ROLL NO AL

OFFICIAL GAZETTE

UNITED STATES PATENT OFFICE

MAY & JUNE
1936

VOLS. 466 & 467

MICRO-PHOTO SERVICE
BUREAU
CLEVELAND 3, OHIO

OFFICIAL GAZETTE

OF THE

UNITED STATES PATENT OFFICE

VOLUME 466

MAY

1936

R608
13

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON: 1936

OFFICIAL GAZETTE

OF THE

UNITED STATES PATENT OFFICE

VOLUME 466

MAY

1936

TR608
13

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON: 1936

R608
13
M34
1936

C0638

CONTENTS

	Page
DECISIONS OF THE COMMISSIONER OF PATENTS, May 5, 12, 19, 26	3, 241, 483, 741
TRADE MARKS PUBLISHED AND REGISTERED, May 5, 12, 19, 26	9, 247, 489, 751
LABELS AND PRINTS REGISTERED, May 5, 12, 19, 26	41, 284, 522, 785
REISSUES, May 5, 12, 19, 26	43, 285, 525, 786
PLANT PATENTS May 5, 12, 19, 26	---, 287, ---, ---
PATENTS, May 5, 12, 19, 26	45, 288, 527, 791
DESIGNS, May 5, 12, 19, 26	223, 457, 716, 961

ANNOUNCEMENTS

	Page
ADVERSE DECISIONS IN INTERFERENCE	1, 246, 739
APPLICATIONS—Condition of pending	2, 240, 482, 740
BRIEFS IN APPEALED CASES	746
BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS, LABELS AND PRINTS	747
CLASSIFICATION OF INVENTION—Changes in	745
DISCLAIMERS—Gaynor, John J	488
Grebe, Alfred H	239
Eisele, Charles W	488
Henderson, Fred E	745
Knight, James L	745
Leo, Herbert T	1
Lewis, Frank B., and Thomas S. Cooke	239
Logan, Jr., John W	239
Jones, Lester L	488
Miller, Howard W	488
McCaulley, John E	239
Morton, Harry E	488
Mouromtseff, Ilia E	745
Polydoroff, Wladimir J	488
Scheibell, Gordon Brown	488
Seward, Robert B	239
Shaeffer, Edward J., and Eugene P. Brown	239
Whelton, John M	239
Willett, Benedict E	488
Zahn, Karl, Kurt Schimmelschmidt, and Heinrich Koch	239
FEES—Payable in advance	239
PATENT SUITS	7, 245, 486, 744
PATENTS—List of Adjudicated	1, 481
TRADE-MARK REGISTRATIONS—Canceled	1
Notice of Cancellation	8, 246, 481, 746
Notice of Opposition	8
U. S. COURT OF CUSTOMS AND PATENT APPEALS—Rules—Amendments	739

TABLE OF CASES REPORTED

	Page
*Ball, In re	244
ª Bissell Carpet Sweeper Co., a corporation, v. Coe, Commissioner of Patents	243
*Crowell, In re	3
*Curtis, In re	5
ª Davies v. Coe, Commissioner of Patents	741
*Davis v. Carrier	483
*Haas, In re	485
*Macready, In re	743
*Seelig and Wheeler, In re	742
ªWine Railway Appliance Company v. Enterprise Railway Equipment Company	241

[Decisions of the United States Court of Appeals of the District of Columbia are indicated by the letter (ª); of the United States Court of Customs and Patent Appeals by a star (*); and of the Supreme Court of the United States by the letter (*).]

ERRATA

Page 239—second column, for Disclaimer "#2,102,747" read #2,012,747 O. G. May 12, 1936.

375763

CARNEGIE LIBRARY OF ATLANTA

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Aberle, H. C., Co., Philadelphia, Pa. Hosiery. Serial Nos. 375,976–7; May 5. Class 39.

Agfa Ansco Corporation, Binghamton, N. Y. Sensitized photographic film. Serial No. 375,921; May 5. Class 26.

Allen, S. L., & Co., Inc., Philadelphia, Pa. Coasting sleds. Serial No. 376,317; May 5. Class 22.

American Oil Company, The, Baltimore, Md. Fan belts, tires and tubes. Serial No. 373,289; May 5. Class 35.

Anglo Oriental Importing & Rug Co. (See Baliozian, Mardick L.)

Anheuser-Busch, Incorporated, St. Louis, Mo. Dough conditioner. Serial No. 375,832; May 5. Class 46.

Apollo Shirt Company, New York, N. Y. Men's shirts. Serial No. 375,743; May 5. Class 39.

Arlington Chemical Company, The, Yonkers, N. Y. Compound to be used for the relief of symptoms derived from hay fever and asthma. Serial No. 375,417; May 5. Class 6.

Arons, Norman H., Chicago, Ill. Men's underwear. Serial No. 373,905; May 5. Class 39.

Aronson-Caplin Company, Inc., New York, N. Y. Women's apparel. Serial No. 347,779; May 5. Class 39.

Associated Distributors, Inc., Chicago, Ill. Lipstick, rouge, face powder, etc. Serial No. 374,811; May 5. Class 6.

Atlantic Steel Company. (See Zavon, Sol L.)

Au-Be Laboratories, Glen Cove, N. Y. Antiseptic for mouth and throat. Serial No. 375,004; May 5. Class 6.

Automatic Pearl Button Co., Muscatine, Iowa. Buttons. Serial No. 375,372; May 5. Class 40.

B. & L. Undergarment Co. Inc., New York, N. Y. Ladies' slips, chemises, and panties. Serial No. 375,118; May 5. Class 39.

Babcock, A. P., Company, Rutherford, N. J., and New York, N. Y. Astringents, astringent cerates, obesity creams, etc. Serial No. 373,293; May 5. Class 6.

Babcock & Wilcox Company, The, Newark, N. J., and New York, N. Y. Power plant apparatus and accessories. Serial No. 375,234; May 5. Class 34.

Baliozian, Mardick L., doing business as Anglo Oriental Importing & Rug Co., New York, N. Y. Textile rugs. Serial No. 371,954; May 5. Class 42.

Barr, E. L., doing business as Barr Packing Company, Sanger, Calif. Fresh grapes, fresh deciduous fruits. Serial No. 372,949; May 5. Class 46.

Bayuk Cigars Incorporated, Philadelphia, Pa. Tobacco products. Serial No. 367,432; May 5. Class 17.

Bee Hat & Cap Co., St. Louis, Mo. Hats and caps. Serial No. 375,836; May 5. Class 39.

Bienaime, Societe Anonyme, Neuilly-sur-Seine, Seine, France. Perfumes, toilet water, face powder, etc. Serial No. 372,078; May 5. Class 6.

Bjelland, Chr., & Co., Inc., New York, N. Y. Meat products. Serial No. 372,820; May 5. Class 46.

Black & Decker Manufacturing Company, The, Towson, Md. Portable motor driven blower. Serial No. 373,510; May 5. Class 21.

Blumberg, A. M., New York, N. Y. Scarfs, neckties, blouses, etc. Serial No. 373,991; May 5. Class 39.

Boston Gear Works, Inc., North Quincy, Mass. Speed reducers (enclosed speed reduction gearing). Serial No. 375,121; May 5. Class 23.

Bowser, S. F., & Company, Inc., Fort Wayne, Ind. Measuring and dispensing unit for oil and gasoline, etc. Serial No. 371,672; May 5. Class 26.

Bozeman Canning Co., Mount Vernon, Wash. Frozen fresh vegetables, canned and packaged. Serial No. 370,243; May 5. Class 46.

Bradley, Milton, Company, Springfield, Mass. Deck of cards. Serial No. 375,493; May 5. Class 22.

Brill Brothers, Inc., New York, N. Y. Suits and overcoats. Serial No. 375,422; May 5. Class 39.

Bulkley, Dunton, & Co., New York, N. Y. Printing paper. Serial No. 375,621; May 5. Class 37.

Bulova Watch Company, Inc., New York, N. Y. Watches. Serial No. 375,539; May 5. Class 27.

C-T-C. Corporation, Jersey City, N. J. Effervescent alkalizer and antacid. Serial Nos. 373,295–6; May 5. Class 6.

Calgon Incorporated, Pittsburgh, Pa. Water treating composition. Serial No. 372,905; May 5. Class 6.

California Pet Foods Company, Sacramento, Calif. Animal and pet foods. Serial No. 375,928; May 5. Class 46.

Campione, Charles, New York, N. Y. Cigars. Serial No. 372,544; May 5. Class 17.

Carioca Mfg. Co. (See Hoyos, Luis G.)

Case & Co., Inc., New York, N. Y. Silk, rayon, and acetate piece goods. Serial No. 375,689; May 5. Class 42.

Celluloid Corporation, Newark, N. J. Handbags. Serial No. 375,625; May 5. Class 3.

Celluloid Corporation, Newark, N. J. Plastic material in the form of sheets, films, etc. Serial No. 375,690; May 5. Class 1.

Certain-teed Products Corporation, New York, N. Y. Asphalt saturated and coated shingles. Serial No. 374,653; May 5. Class 12.

Chesapeake Brands, Inc., Minneapolis, Minn. Sloe gin, grenadine syrup, and alcoholic liqueurs. Serial No. 376,462; May 5. Class 49.

Chesapeake Brands, Inc., Minneapolis, Minn. Whiskey. Serial No. 376,463; May 5. Class 49.

Citrus City Growers Association, Largo, Fla. Fresh citrus fruits. Serial No. 369,686; May 5. Class 46.

Clavieres, Maurice, doing business as Les Successeurs de F. Cazanove, Bordeaux, France. Cordials and liqueurs. Serial No. 376,527; May 5. Class 49.

Consolidated Millinery Company, Chicago, Ill. Ladies' and misses' hats. Serial Nos. 375,931–2; May 5. Class 39.

Cor-El-Ane Laboratories, Inc., Des Moines, Iowa. Bread. Serial No. 371,680; May 5. Class 46.

Craven, Claud C., doing business as C. C. Craven Co., Kansas City, Mo. Piston rings. Serial No. 374,357; May 5. Class 35.

Creme Simon, Anciennement J. Simon & Cie., Societe Anonyme, Lyon, France. Face powder. Serial No. 375,132; May 5. Class 6.

Crofter Hand Woven Harris Tweed Company, Limited, The, Stornoway, Scotland. Cloths and stuffs of wool, worsted or hair. Serial No. 375,133; May 5. Class 42.

David, John, New York, N. Y. Socks, men's union suits, undershirts, etc. Serial No. 375,495; May 5. Class 39.

Davis, A., & Sons, Inc., New York, N. Y. Women's and misses' coats and suits. Serial No. 375,426; May 5. Class 39.

Dealers' Digest Publishing Company, Inc., The, New York, N. Y. Syndicated weekly market letter. Serial No. 374,407; May 5. Class 38.

De Marinis, Paul, Inc., Youngstown, Ohio. Wines. Serial No. 374,000; May 5. Class 47.

Dermay Perfumers, Inc., New York, N. Y. Eau de cologne, skin balm, nail polish, etc. Serial No. 361,670; May 5. Class 6.

Detroit Dental Manufacturing Co., Detroit, Mich. Magnifying and illuminating devices for dental and surgical purposes. Serial No. 374,924; May 5. Class 44.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Rubber erasers. Serial No. 375,572; May 5. Class 37.

Dorman, N., & Co., New York, N. Y. Cheese. Serial No. 375,794; May 5. Class 46.

Dunham, Carrigan & Hayden Co., San Francisco, Calif. Fish lines, hooks, leaders, fishing rods, etc. Serial No. 375,843; May 5. Class 22.

Duplan Silk Corporation, New York, N. Y. Textile fabrics. Serial No. 375,540; May 5. Class 42.

Edwards, E. H., Company, Chicago, Ill. Marshmallows. Serial No. 370,874; May 5. Class 46.

Egg-O-Milk Company, The. (See Obrecht, G. Fred.)

Faber, Guy S., doing business as Voon Products Laboratory, Chicago, Ill. Hair pins. Serial No. 373,335; May 5. Class 40.

Farmers' Cooperative Exchange, Raleigh, N. C. Fertilizers. Serial No. 374,460; May 5. Class 10.

Fez America, Inc., New York, N. Y. Berets. Serial No. 375,289; May 5. Class 39.

Finkelstein, Jacob, & Sons, Woonsocket, R. I. Trench coats, raincoats, sport coats, etc. Serial No. 375,382; May 5. Class 39.

Firth-Sterling Steel Company, McKeesport, Pa. Steel in bar form. Serial No. 375,140; May 5. Class 14.

Fisk-Mellen Laboratories. (See Mellen, William F., Jr.)

Fitzgerald, Gilbert F., doing business as Serv-A-Can Cocktail Co., Milwaukee, Wis. Cocktails. Serial No. 375,758; May 5. Class 49.

Forsberg Manufacturing Co., The, Bridgeport, Conn. Saw blades and frames, and screw drivers. Serial No. 376,124; May 5. Class 23.

Fuji Sake Brewing Co., Ltd. (See Kanda, Shokai, Ltd.)

Gedrich, Jacob, doing business as Nut Products Co., Newark, N. J. Packaged nuts and nutmeats. Serial No. 374,618; May 5. Class 46.

General Mills, Inc., Minneapolis, Minn. Cereal food products. Serial No. 375,639; May 5. Class 46.

General Mills, Inc., Minneapolis, Minn. Flour. Serial No. 375,883; May 5. Class 46.

Gerdts, Gustav F., Bremen, Germany. Steam separators, steam traps, condensate and precipitate separators, etc. Serial No. 371,751; May 5. Class 13.

Gernsback, Hugo, New York, N. Y. Quarterly publication. Serial No. 375,507; May 5. Class 38.

Gibboney, T. F., Co. Inc., Reedsville, Pa., and New York, N. Y. Woolen blankets. Serial No. 375,577; May 5. Class 42.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Gibson, Thos. H., doing business as Tex Products Company, Newark, N. J. Paints, varnishes, varnish stains, etc. Serial No. 375,987; May 5. Class 16.

Gordon, William, West New York, N. J. Distilled dry gin. Serial No. 361,734; May 5. Class 49.

Gordon, William, West New York, N. J. Straight whiskey. Serial No. 361,735; May 5. Class 49.

Gordon, William, West New York, N. J. Cocktail. Serial No. 361,736; May 5. Class 49.

Gordon, William, West New York, N. J. Straight whiskey. Serial No. 361,737; May 5. Class 49.

Gottsegen, Harry J., New York, N. Y. Razor blades. Serial No. 375,938; May 5. Class 23.

Grand View Heights Citrus Association, Terra Bella, Calif. Fresh citrus fruits. Serial No. 375,704; May 5. Class 46.

Grant, George W., doing business as Grant Chemical Co., New York, N. Y. Medicines. Serial No. 372,053; May 5. Class 6.

Gratenstein's, Inc., Brooklyn, N. Y. Corsets, brassières, corselettes, etc. Serial No. 375,545; May 5. Class 39.

Greenberg, Bernard, Co. Inc., Yonkers, N. Y. Caps and cloth hats. Serial No. 373,686; May 5. Class 39.

Hat Corporation of America, Norwalk, Conn. Hats. Serial No. 375,991; May 5. Class 39.

Hearts Adrift Candies. (See Lewis, Edgar P., & Sons, Inc.)

Heyman Distributing Co., Inc., Chicago, Ill. Hosiery. Serial No. 367,717; May 5. Class 39.

Hirsch Distilling Company, Kansas City, Mo. Gin. Serial No. 375,642; May 5. Class 49.

Hiteman Leather Company, Inc., West Winfield, N. Y. Leather. Serial No. 373,961; May 5. Class 1.

Hornibrook, H. G., Minneapolis, Minn. Lubricating oils and greases. Serial No. 373,569; May 5. Class 15.

Horton Manufacturing Company, The, Bristol, Conn. Golf club grips. Serial No. 376,089; May 5. Class 22.

Hoyos, Luis G., doing business as Carioca Mfg. Co., Philadelphia, Pa. Shoe polishes, shoe dressings and shoe cleaners. Serial No. 371,815; May 5. Class 4.

Huyck, F. C., & Sons, Rensselaer and Albany, N. Y. Woolen blankets. Serial No. 374,190; May 5. Class 42.

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Sensitized photographic film. Serial No. 376,172; May 5. Class 26.

Improved Manufacturing Company, Ashland, Ohio. Outer garments. Serial No. 374,716; May 5. Class 39.

Ingersoll-Rand Company, New York, N. Y. Reciprocating compressors. Serial No. 374,834; May 5. Class 23.

International Cellucotton Products Company, Chicago, Ill. Analgesic tablets. Serial No. 375,015; May 5. Class 6.

International Printing Ink Corporation, The, New York, N. Y. Oil colors, artists' colors, pigments and varnishes. Serial No. 375,584; May 5. Class 16.

International Printing Ink Corporation, The, New York, N. Y. Printing ink and pigments for printing ink. Serial No. 375,585; May 5. Class 11.

International Printing Ink Corporation, The, New York, N. Y. Oil colors, artists' colors, pigments, and varnishes. Serial No. 375,586; May 5. Class 16.

International Printing Ink Corporation, The, New York, N. Y. Printing ink and pigments for printing ink. Serial No. 375,587; May 5. Class 11.

International Printing Ink Corporation, The, New York, N. Y. Oil colors, artists' colors, pigments and varnishes. Serial No. 375,588; May 5. Class 16.

International Printing Ink Corporation, The, New York, N. Y. Printing ink and pigments for printing ink. Serial No. 375,589; May 5. Class 11.

International Shoe Co., St. Louis, Mo. Boots and shoes. Serial No. 375,251; May 5. Class 39.

Jamieson, William R., doing business as Lutex Laboratories, El Paso, Tex. Venereal prophylactic. Serial No. 374,241; May 5. Class 6.

Kanda Shokai, Ltd., now by change of name Fuji Sake Brewing Co., Ltd., Honolulu, Hawaii. Sake. Serial No. 367,356; May 5. Class 47.

King Features Syndicate, Inc., New York, N. Y. Newspaper section. Serial No. 374,465; May 5. Class 38.

Kohen, Ligon and Perl, Inc., Dallas, Tex. Frocks, dresses, skirts, etc. Serial No. 374,670; May 5. Class 39.

Kristal, Lorraine, New York, N. Y. Blouses, slacks, skirts, etc. Serial No. 375,444; May 5. Class 39.

Kuebler Brewing Co. Inc., Easton, Pa. Beer. Serial No. 376,352; May 5. Class 48.

Kurlash Company, Inc., The, Rochester, N. Y. Eye beauty and eyebrow brushes. Serial No. 375,646; May 5. Class 29.

Lake Garfield Nurseries Co., Bartow, Fla. Fresh citrus fruits. Serial No. 375,254; May 5. Class 46.

Laros Textile Company, Bethlehem, Pa. Underwear. Serial No. 373,219; May 5. Class 39.

Lawyers Co-Operative Publishing Company, The, Rochester, N. Y. Series of law books. Serial No. 375,256; May 5. Class 38.

Lee, Frank H., Company, The, Danbury, Conn. Men's and boys' felt and straw hats. Serial No. 375,710; May 5. Class 39.

Les Successeurs de F. Cazanova. (See Clavieres, Maurice.)

Levy, Joseph G., New York, N. Y. Wool, cotton, and silk piece goods fabrics. Serial No. 371,221; May 5. Class 42.

Lewis, Edgar P., & Sons, Inc., doing business as Hearts Adrift Candies, Malden, Mass. Chocolates. Serial No. 375,648; May 5. Class 46.

Lopez, Ralph A., New York, N. Y. Cheese. Serial No. 371,352; May 5. Class 46.

Los Angeles Soap Co., Los Angeles, Calif. Dairy cleaner. Serial No. 376,000; May 5. Class 4.

Lovell and Covel Company, Cambridge, Mass. Candy. Serial No. 367,102; May 5. Class 46.

Lowe, Joe, Corporation, New York, N. Y. Frozen confections. Serial No. 375,892; May 5. Class 46.

Lowenfels, Frederick F., & Son, New York, N. Y. Butter. Serial No. 375,215; May 5. Class 46.

Luber-Finer Incorporated, Los Angeles, Calif. Liquid refiners. Serial No. 376,057; May 5. Class 23.

Lutex Laboratories. (See Jamieson, William R.)

Lux Clock Manufacturing Company, Inc., The, Waterbury, Conn. Alarm clocks, and timers for cooking, photographic, etc. purposes. Serial No. 374,626; May 5. Class 27.

Madsen, Minna, Pasadena, Calif. Fluent abrasive compound for skin invigoration. Serial No. 370,621; May 5. Class 6.

Master Merchandising Corporation, New York, N. Y. Cigarette vending machines. Serial No. 375,945; May 5. Class 23.

McDuffie, William C., receiver of Richfield Oil Company of California, Los Angeles, Calif. Petroleum and petroleum products. Serial No. 342,101; May 5. Class 15.

McGinnis, G. R., Louisville, Ky. Whiskey. Serial Nos. 376,481–2; May 5. Class 49.

McLaurin-Jones Co., Brookfield, Mass. Book headbands and headband strip stock from which individual headbands are cut. Serial No. 369,088; May 5. Class 50.

Medusa Portland Cement Company, Cleveland, Ohio. Masonry. Serial No. 375,021; May 5. Class 12.

Mellen, William F., Jr., doing business as Fisk-Mellen Laboratories, Hollywood, Calif. Rectal and vaginal suppositories. Serial No. 374,150; May 5. Class 6.

Menihan Company, The, Rochester, N. Y. Shoes. Serial No. 375,336; May 5. Class 39.

Meridian Grain & Elevator Co., Meridian, Miss. Corn meal. Serial No. 374,792; May 5. Class 46.

Metals Coating Company of America, Philadelphia, Pa. Apparatus for spraying molten metal, component parts thereof, and accessory equipment therefor. Serial Nos. 367,726–7; May 5. Class 23.

Meyer, N. S., Inc., New York, N. Y. Sabres, swords, and sabre chains. Serial No. 372,138; May 5. Class 23.

Meyers, Louis, & Son, Inc., New York, N. Y. Gloves. Serial Nos. 375,155–6; May 5. Class 39.

Meyers, Louis, & Son, Inc., New York, N. Y. Hats and gloves. Serial No. 375,219; May 5. Class 39.

Meyers, Louis, & Son, Inc., New York, N. Y. Hats and gloves. Serial No. 375,260; May 5. Class 39.

Miner's, Inc., New York, N. Y. Cold cream, face powder, lipstick, etc. Serial No. 366,248; May 5. Class 6.

Moviematic Camera Corporation, New York, N. Y. Motion picture cameras and projectors and parts thereof, film magazine cartridges, etc. Serial No. 376,131; May 5. Class 26.

Moyer Manufacturing Company, The, Youngstown, Ohio. Adjustable trousers. Serial No. 375,715; May 5. Class 39.

National Meter Company, Brooklyn, N. Y. Liquid flow meters. Serial No. 376,100; May 5. Class 26.

Niles, Elliott A., doing business as State Envelope Company, Boston, Mass. Envelopes. Serial No. 374,978; May 5. Class 37.

Northern Paper Mills, Green Bay, Wis. Embossed paper napkins. Serial No. 375,970; May 5. Class 37.

Northern Paper Mills, Green Bay, Wis. Embossed paper napkins. Serial No. 376,112; May 5. Class 37.

Nut Products Co. (See Gedrich, Jacob.)

Obrecht, G. Fred, doing business as P. Fred'k Obrecht & Son, and The Egg-O-Milk Company, Baltimore, Md. Supplement to poultry, hog, and dairy foods. Serial No. 374,315; May 5. Class 46.

Old Ben Coal Corporation, Chicago, Ill. Coal. Serial No. 375,518; May 5. Class 1.

Osmose Corporation of America, Buffalo, N. Y. Chemical compositions for impregnating and preserving wood. Serial No. 361,790; May 5. Class 6.

Padfield Public Contact, Inc., Washington, D. C. Trade service coupon or voucher books. Serial No. 375,163; May 5. Class 38.

Panitz, Harry, & Co., Baltimore, Md. Men's outer clothing. Serial No. 375,164; May 5. Class 39.

Parke, Davis, & Company, Detroit, Mich. Vitamin product used as a therapeutic preparation. Serial No. 375,596; May 5. Class 6.

Peerless Confection Co., Chicago, Ill. Candy. Serial No. 375,094; May 5. Class 46.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. Serial No. 374,683; May 5. Class 46.

Pioneer Suspender Company, Philadelphia, Pa. Suspenders, garters, and belts for outer wear. Serial No. 375,344; May 5. Class 39.

Pro-phy-lac-tic Brush Company, Northampton, Mass. Tooth brushes. Serial Nos. 375,682–3; May 5. Class 29.

RCA Manufacturing Company, Inc., Camden, N. J. Radio receiving sets, television receiving sets, kits for radio receiving sets, etc. Serial No. 376,142; May 5. Class 21.

Raybestos-Manhattan, Inc., Passaic, N. J. Brake lining, friction material and machinery packing. Serial No. 375,027; May 5. Class 35.

Red Lands Company, The, Grand Junction, Colo. Fresh deciduous fruit. Serial No. 375,667; May 5. Class 46.

Red Shank Gaff Hook Company, Seattle, Wash. Gaff hooks, nets, and landing gear. Serial No. 375,400; May 5. Class 22.

Reinfeld, Joseph H., Inc., Newark, N. J. Whiskey. Serial No. 375,668; May 5. Class 49.

Richfield Oil Company of California. (See McDuffie, William C.)

Rochester Clothing Co., Inc., New York, N. Y. Overcoats, coats, topcoats, and suits. Serial No. 374,481; May 5. Class 39.

Rosenberg, Marks, & Bros., New York, N. Y. Men's overcoats and top coats. Serial No. 375,606; May 5. Class 39.

Sable Bros. Inc., New York, N. Y. Ladies', misses', and children's hats. Serial No. 374,943; May 5. Class 39.

St. Martin Oyster Co., Houma, La. Canned shrimp. Serial No. 372,858; May 5. Class 46.

St. Paul Welding and Manufacturing Company, The, St. Paul, Minn. Dental laboratory equipment and accessories therefor. Serial No. 350,974; May 5. Class 44.

Saks & Company, New York, N. Y. Shoes. Serial No. 374,731; May 5. Class 39.

Saunders, F. H., doing business as Stockton Veterinary Supply Company, Stockton, Calif. Veterinarian supplies and medicines. Serial No. 375,175; May 5. Class 6.

Schrank, M. C., Company, Bridgeton, N. J. Dresses. Serial No. 375,903; May 5. Class 39.

Science Service, Washington, D. C. Miniature photographic images on strip film or paper. Serial No. 376,069; May 5. Class 26.

Sealed Power Corporation, Muskegon, Mich. Piston rings. Serial No. 374,983; May 5. Class 35.

Sealright Co., Inc., Fulton, N. Y. Bottle closures. Serial No. 375,729; May 5. Class 50.

Seltzer, Perey, New York, N. Y. Slide fasteners. Serial No. 373,395; May 5. Class 13.

Serv-A-Can Cocktail Co. (See Fitzgerald, Gilbert F.)

Shell Oil Company, San Francisco, Calif. Liquid fuel. Serial No. 375,732; May 5. Class 15.

Smith, T. J., & Nephew, Limited, Hull, England. Medicated bandages and dressings. Serial No. 372,862; May 5. Class 6.

Soapless Foam, Limited, London, England. Preparations for producing soapless foam in the bath for toilet purposes, etc. Serial No. 374,342; May 5. Class 6.

Societe Anonyme les Fils de P. Bardinet, Cauderan, near Bordeaux, France. Cordials. Serial No. 376,551; May 5. Class 49.

Soft-Lite Lens Company, Inc., New York, N. Y. Ophthalmic lenses and lens blanks. Serial No. 360,121; May 5. Class 26.

Southern Cement Co., Birmingham, Ala. Hydraulic lime. Serial No. 375,179; May 5. Class 12.

Spellman, E. L., Co., Inc., New York, N. Y. Whiskey. Serial No. 376,501; May 5. Class 49.

Standard Brands Incorporated, New York, N. Y. Canned vegetables. Serial No. 374,486; May 5. Class 46.

Standard Oil Company of New Jersey, Wilmington, Del. Oils and lubricating greases. Serial No. 375,606; May 5. Class 15.

Stark, Howard G., Providence, R. I. Icing. Serial No. 375,734; May 5. Class 46.

State Envelope Company. (See Niles, Elliott A.)

Steckler, Nat P., doing business as Zoe Products, New York, N. Y. Ear drum protectors, athletic suspenders, and sanitary belts, etc. Serial No. 374,634; May 5. Class 44.

Stewart-Warner Corporation, Chicago, Ill. Speedometers. Serial No. 376,146; May 5. Class 26.

Stockton Veterinary Supply Company. (See Saunders, F. H.)

Supreme Distributors, Inc., Phoenix, Ariz. Whiskey. Serial No. 376,553; May 5. Class 49.

Taylor & Sledd, Inc., Richmond, Va. Canned fruits and vegetables. Serial No. 374,495; May 5. Class 46.

Tex Products Company. (See Gibson, Thos. H.)

Textile Corporation of America, New York, N. Y. Rug strips, remnants, and quilt patches of cotton, etc. Serial No. 375,607; May 5. Class 40.

Thrifty Drug Company, Ltd., Los Angeles, Calif. Smoking tobacco. Serial No. 373,578; May 5. Class 17.

Totsy Manufacturing Co., Inc., Springfield, Mass. Doll's clothing. Serial No. 368,715; May 5. Class 22.

Townley Frocks Inc., New York, N. Y. Dresses, skirts, blouses, etc. Serial No. 375,278; May 5. Class 39.

Tri-Cal Laboratories, Brooklyn, N. Y. Preparation for indigestion disorders. Serial No. 375,786; May 5. Class 6.

Universal Milk Company, The, New York, N. Y. Powdered milk. Serial Nos. 374,028–9; May 5. Class 46.

Veeneman, Harry A., & Sons, Incorporated, Chicago, Ill. Whiskey. Serial No. 376,614; Apr. 5. Class 49.

Vernor, James, Company, Detroit, Mich. Beverages and syrups, extracts, and flavors used in making the same. Serial No. 376,554; May 5. Class 45.

Victor Brewing Co., The, Jeannette, Pa. Beer, ale, and porter. Serial No. 376,018; May 5. Class 48.

Vinskavage, Anthony J., Tamaqua, Pa. Preparation for treating the eyes. Serial No. 373,625; May 5. Class 6.

Voca Products Laboratory. (See Faber, Guy S.)

Wanamaker, John, Philadelphia, Philadelphia, Pa. Suits, overcoats, topcoats, etc. Serial No. 375,913; May 5. Class 39.

Wanamaker, John, Philadelphia, Philadelphia, Pa. Ladies' and misses' shoes. Serial No. 375,914; May 5. Class 39.

West, J. Q. A., doing business the West Manufacturing Co., Knoxville, Tenn. Preparation to be used for constipation and relieving of gas. Serial No. 374,698; May 5. Class 6.

Wiegand, Edwin L., Company, Pittsburgh, Pa. Electric heaters, heating units, and heating elements, and parts thereof. Serial No. 366,684; May 5. Class 21.

Williams, Charles W., New York, N. Y. Lactic acid preparation. Serial No. 372,901; May 5. Class 6.

Wilson-Jones Company, Chicago, Ill. Loose-leaf binders. Serial No. 375,612; May 5. Class 37.

Winthrop Chemical Company, Inc., New York, N. Y. Pancreatic enzyme preparation for use as a digestant. Serial No. 376,152; May 5. Class 6.

Wipe-On Corporation, New York, N. Y. Paint enamels. Serial No. 374,540; May 5. Class 16.

Wonder Mix, Inc., Minneapolis, Minn. Maltless, non-alcoholic beverage. Serial No. 375,528; May 5. Class 45.

Woolson Spice Company, The, Toledo, Ohio. Coffee and spices. Serial No. 373,279; May 5. Class 46.

Zavon, Sol L., doing business as Atlantic Steel Company, New York, N. Y. Tool-steel bars. Serial Nos. 375,613–5; May 5. Class 14.

Zoe Products. (See Steckler, Nat P.)

LIST OF REGISTRANTS OF TRADE-MARKS

Adams, Mitchell & Co., Inc., Boston, Mass. Gin. 334,432; May 5; Serial No. 373,403; published Feb. 25, 1936. Class 49.

Advance Aluminum Castings Corp., Chicago, Ill. Cooking utensils composed of aluminum alloy. 334,570; May 5; Serial No. 372,386; published Feb. 25, 1936. Class 13.

Agar Products Inc. (See Reinschild, Frederick C., assignor.)

Agoos Leather Companies, Inc., Boston, Mass. Leather. 334,393; May 5; Serial No. 372,539; published Feb. 11, 1936. Class 1.

Ainsworth, Albert A., Ossining, N. Y. Mounting hinges. 334,483; May 5; Serial No. 372,943; published Feb. 18, 1936. Class 37.

Air-Way Electric Appliance Corporation, Toledo, Ohio. Electrical suction cleaners and parts and accessories thereof. 334,478; May 5; Serial No. 373,013; published Feb. 25, 1936. Class 21.

Altman, B., & Co., New York, N. Y. Dresses. 334,409; May 5; Serial No. 372,073; published Feb. 25, 1936. Class 39.

Altmark, Milton S., New York, N. Y. Dresses for women. 334,579; May 5; Serial No. 369,757; published Feb. 11, 1936. Class 39.

American Cone & Pretzel Company, Philadelphia, Pa. Pretzels. 334,455; May 5; Serial No. 322,951; published Feb. 25, 1936. Class 46.

American Distilling Company, The, Pekin, Ill., and New York, N. Y. Gin and whiskey. 334,469; May 5; Serial No. 373,661; published Feb. 25, 1936. Class 49.

American Enka Corporation, Enka, N. C. Lingerie, negligees, underwear, etc. 334,523; May 5; Serial No. 371,908; published Feb. 18, 1936. Class 39.

American Gypsum Company, The, Port Clinton, Ohio. Mineral wool. 334,556; May 5; Serial No. 372,756; published Feb. 18, 1936. Class 1.

American Writing Paper Company, Inc., Holyoke, Mass. Writing and printing paper. 334,521; May 5; Serial No. 372,266; published Feb. 18, 1936. Class 37.

Arabol Manufacturing Company, The, New York, N. Y. Glue. 334,586; May 5; Serial No. 371,129; published Feb. 11, 1936. Class 5.

Ariz-Sweet Grapefruit Growers, Ltd., Phoenix, Ariz. Fresh citrus fruits. 334,440; May 5; Serial No. 360,198; published Apr. 23, 1935. Class 46.

Atlas Supply Company, Newark, N. J. Kit containing clothes brush and shoe polishing pad. 334,418; May 5; Serial No. 369,472; published Feb. 18, 1936. Class 29.

Automatic Electric Heater Co., Pottstown, Pa. Water heaters. 334,569; May 5; Serial No. 372,387; published Feb. 25, 1936. Class 21.

Backs-Jackson, Anaheim, Calif. Edible delicacy made of parched and popped field corn. 334,416; May 5; Serial No. 372,000; published Feb. 25, 1936. Class 46.

Bacon, Stickney & Co., Inc., Albany, N. Y. Coffee. 334,616; May 5. Class 46.

Bayer Brothers Leather Co., Inc., New York, N. Y., and Newark, N. J. Leather. 334,477; May 5; Serial No. 373,017; published Feb. 18, 1936. Class 1.

Bellows & Company, Inc., New York, N. Y. Scotch whisky. 334,424; May 5; Serial No. 373,587; published Feb. 25, 1936. Class 49.

Biltrite Motor Equipment Co. Inc., New York, N. Y. Oils and greases. 334,476; May 5; Serial No. 373,018; published Feb. 18, 1936. Class 15.

Bingham, Archie C., doing business as The Bingham Poultry Ranch, South Edmeston, N. Y. Fertilizers. 334,422; May 5; Serial No. 368,916; published Feb. 18, 1936. Class 10.

Bloomingdale Bros., Inc., New York, N. Y. Whiskey. 334,457; May 5; Serial No. 373,817; published Feb. 25, 1936. Class 49.

Boddington Laboratories, Inc., doing business as International Biochemists, Huntington Park, Calif. Non-narcotic sedative. 334,525; May 5; Serial No. 373,355; published Feb. 25, 1936. Class 6.

Bonwit Teller, Inc., New York, N. Y. Panties. 334,568; May 5; Serial No. 372,389; published Feb. 18, 1936. Class 39.

Bradford, W. J., Paper Company, Chicago, Ill. Slotted box and pail partitions, candy layer cards, liners, etc. 334,574; May 5; Serial No. 372,309; published Feb. 18, 1936. Class 37.

Bradshaw, William R., New York, N. Y. Raincoats and coats made of fabrics. 334,408; May 5; Serial No. 372,083; published Feb. 11, 1936. Class 39.

Brandt, Jessie, doing business as Globe Auto Glass Company, Chicago, Ill. Plate glass for use in automobile doors and automobile windshields. 334,412; May 5; Serial No. 372,040; published Feb. 25, 1936. Class 33.

Brookshire Coat Co. Inc., New York, N. Y. Wearing apparel. 334,405; May 5; Serial No. 372,129; published Feb. 18, 1936. Class 39.

Brown Durrell Co., New York, N. Y., and Boston, Mass. Panties. 334,482; May 5; Serial No. 372,958; published Feb. 18, 1936. Class 39.

Bubla, Joseph P., New York, N. Y. Shirts, hosiery, and underwear. 334,392; May 5; Serial No. 372,542; published Feb. 11, 1936. Class 39.

Butler Brothers, Chicago, Ill. Adhesive tape. 334,489; May 5; Serial No. 372,821; published Feb. 18, 1936. Class 5.

Cafeteros de Puerto Rico, Ponce, P. R. Ground and bean roasted coffee. 334,603; May 5; Serial No. 370,650; published Feb. 25, 1936. Class 46.

Capital City Products Company, The, Columbus, Ohio. Cheese. 334,509; May 5; Serial No. 373,198; published Feb. 25, 1936. Class 46.

Carborundum Company, The, Niagara Falls, N. Y. Metal coated fabrics. 334,473; May 5; Serial No. 365,511; published Feb. 18, 1936. Class 50.

Central Paper Company, Muskegon, Mich. Paper and envelopes. 334,470; May 5; Serial No. 366,314; published Feb. 11, 1936. Class 37.

Certane Co., Inc., Los Angeles, Calif. Uterine medicinal applicators and diaphragms. 334,499–500; May 5; Serial Nos. 370,247–8; published Feb. 25, 1936. Class 44.

Chicago Rubber Clothing Company, Racine, Wis. Suits, trousers, and slacks. 334,558; May 5; Serial No. 370,987; published Feb. 18, 1936. Class 39.

Cle, Minnie M., doing business as Northwest Farmer, Duluth, Minn. Publication. 334,481; May 5; Serial No. 372,997; published Feb. 18, 1936. Class 38.

Cleveland Cloth Mills, Inc., Shelby, N. C. Textile fabrics. 334,395–6; May 5; Serial Nos. 372,508–9; published Feb. 11, 1936. Class 42.

Clopay Corporation, Cincinnati, Ohio. Paper or fibre garment bags. 334,445; May 5; Serial No. 367,388; published Feb. 25, 1936. Class 2.

Clovene, Inc., New York, N. Y. Creams and coatings for protecting the skin. 334,449; May 5; Serial No. 366,361; published Feb. 25, 1936. Class 6.

Collins, Lee Company, Chelsea, Mass. Salt cod fish. 334,435; May 5; Serial No. 364,713; published Aug. 13, 1935. Class 46.

Columbia Plush & Puff Co., Inc., Brooklyn, N. Y. Powder puffs. 334,411; May 5; Serial No. 372,045; published Feb. 11, 1936. Class 29.

Commonwealth Publishing Company, Chicago, Ill. Weekly income record blank books. 334,401; May 5; Serial No. 359,505; published Feb. 11, 1936. Class 37.

Cone Export and Commission Company, New York, N. Y. Trousers, knickerbockers, outer shirts, etc. 334,539; May 5; Serial No. 371,912; published Feb. 11, 1936. Class 39.

Continental Asbestos & Refining Company, Inc., New York, N. Y. Paint. 334,528; May 5; Serial No. 373,284; published Feb. 25, 1936. Class 16.

Copperstein, Israel, doing business as General Glass & Lumber Company, Cleveland, Ohio. Lumber, sash, doors, and millwork. 334,598; May 5; Serial No. 371,679; published Feb. 18, 1936. Class 12.

Corn Products Refining Company, New York, N. Y. Starch product used as a coagulant in coal wash-water. 334,426; May 5; Serial No. 373,487; published Feb. 25, 1936. Class 6.

Craig, Edwin H., Shippensburg, Pa. Games. 334,428; May 5; Serial No. 373,442; published Feb. 25, 1936. Class 22.

Crompton Company, West Warwick, R. I. Corduroys and velveteens in the piece. 334,593; May 5; Serial No. 371,588; published Feb. 11, 1936. Class 42.

Crusader Oil Corporation, New York, N. Y. Oils and extreme pressure lubricants. 334,552; May 5; Serial No. 372,707; published Feb. 18, 1936. Class 15.

Cumlokt Company, San Francisco, Calif. Fibre or pasteboard merchandise boxes. 334,475; May 5; Serial No. 373,022; published Feb. 25, 1936. Class 2.

Cunningham, Thomas L., New York, N. Y. Liquid insecticide composition. 334,399; May 5; Serial No. 359,620; published Feb. 18, 1936. Class 6.

Cunningham, Thomas L., New York, N. Y. Liquid composition for preventing ignition of matches, etc. 334,400; May 5; Serial No. 359,619; published Feb. 18, 1936. Class 6.

Darrow, Myrtle, doing business as The Darrow Company, Tulsa, Okla. Varnish and varnish extender. 334,524; May 5; Serial No. 373,367; published Feb. 25, 1936. Class 16.

Dennett, Prescott, Washington, D. C. Newspaper articles. 334,602; May 5; Serial No. 370,575; published Feb. 18, 1936. Class 38.

Dix, Henry A., & Sons Corporation, doing business as Women's Uniforms, Inc., New York, N. Y. Ladies' dresses, and misses' and waitresses' uniforms. 334,495; May 5; Serial No. 370,502; published Feb. 11, 1936. Class 39.

Drain-King Corporation, Chicago, Ill. Drain pipe openers. 334,589; May 5; Serial No. 371,417; published Feb. 25, 1936. Class 6.

Dumari Textile Co., Inc., New York, N. Y. Goods in the piece. 334,576–7; May 5; Serial Nos. 369,805–6; published Feb. 11, 1936. Class 42.

Eastman Kodak Company, Rochester, N. Y. Paper and stationery. 334,594; May 5; Serial No. 371,627; published Feb. 11, 1936. Class 37.

Eelo Laboratories. (See Starck, John R.)

Esselen, Gustavus J., Inc., Boston, Mass. Special mixture for repelling rats, mice, and other rodents. 334,517; May 5; Serial No. 373,133; published Feb. 18, 1936. Class 6.

Fairplay Knitting Mills. (See Stoumen, Bernard.)

Farm Bureau Cooperative Association, Columbus, Ohio. Potatoes. 334,519; May 5; Serial No. 373,077; published Feb. 25, 1936. Class 46.

Fashion Frocks, Inc., Cincinnati, Ohio. Raincoats and sportjackets. 334,444; May 5; Serial No. 367,390; published Feb. 18, 1936. Class 39.

Feron, Stephen J., Inc., New York, N. Y. Tennis rackets, squash rackets, badminton rackets, etc. 334,611; May 5. Class 22.

Fisher, Max, assignor to Stoffel & Co., New York, N. Y. Fabrics in the piece. 334,609; May 5. Class 42.

Flock Brewing Co., Williamsport, Pa. Ale. 334,529; May 5; Serial No. 373,253; published Feb. 25, 1936. Class 48.

Folmer Graflex Corporation, The, Rochester, N. Y. Photographic apparatus. 334,436; May 5; Serial No. 363,430; published Feb. 25, 1936. Class 26.

Ford Manufacturing, Inc., Boston, Mass. Ladies' underwear. 334,391; May 5; Serial No. 372,558; published Feb. 11, 1936. Class 39.

Frankfort Distilleries, Incorporated, Louisville, Ky. Whiskey. 334,467–8; May 5; Serial Nos. 373,726–7; published Feb. 25, 1936. Class 49.

Fraser, William M., doing business as Mackintosh & Co., Inverness, Scotland. Scotch whiskey. 334,452; May 5; Serial No. 355,436; published Oct. 30, 1934. Class 49.

Freezer, J., & Son, Inc., New York, N. Y. Men's shirts. 334,536; May 5; Serial No. 372,560; published Feb. 11, 1936. Class 39.

Friedman, Samuel, doing business as Improved Products Manufacturing Company, New York, N. Y. Finger ring guards. 334,497; May 5; Serial No. 370,344; published Feb. 18, 1936. Class 28.

Friendship Calendar Company, New Philadelphia, Ohio. Wall calendars. 334,488; May 5; Serial No. 372,828; published Feb. 18, 1936. Class 38.

Geck Trading & Commission Co., Inc., New York, N. Y. Coffee. 334,620; May 5. Class 46.

General Electric Company, Schenectady, N. Y. Combination machine tools and parts thereof. 334,571–2; May 5; Serial Nos. 372,861–2; published Feb. 25, 1936. Class 23.

General Electric Company, Schenectady, N. Y. Ash trays and cigarette cases. 334,573; May 5; Serial No. 372,359; published Feb. 11, 1936. Class 8.

General Glass & Lumber Company. (See Copperstein, Israel.)

General Office Supply Company, Newark, N. J. Carbon paper and typewriter ribbons. 334,503; May 5; Serial No. 370,238; published Feb. 11, 1936. Class 11.

Germack, John N., Detroit, Mich. Fresh roasted nuts. 334,472; May 5; Serial No. 365,936; published Feb. 25, 1936. Class 46.

Gernsback, Hugo, New York, N. Y. Publication. 334,554; May 5; Serial No. 372,721; published Feb. 18, 1936. Class 38.

Glendale Farms, Wilkes-Barre, Pa. Fresh milk, buttermilk, cream, etc. 334,618; May 5. Class 46.

Globe Auto Glass Company. (See Brandt, Jessie.)

Goldman, Wm. P., & Bros. Inc., New York, N. Y. Coats, suits, and dresses. 334,535; May 5; Serial No. 372,562; published Feb. 25, 1936. Class 39.

Great Lakes Coal & Coke Co., Chicago, Ill. Fuel. 334,584; May 5; Serial No. 371,096; published Jan. 21, 1936. Class 1.

Gross Galesburg Company, Galesburg, Ill. Overalls and work pants, dresses, and coats. 334,431; May 5; Serial No. 373,414; published Feb. 18, 1936. Class 39.

Gum, Inc., Philadelphia, Pa. Chewing gum. 334,498; May 5; Serial No. 370,306; published Feb. 25, 1936. Class 46.

Halstead Products Co., Oakland, Calif. Oil for blending with crankcase lubricants. 334,547; May 5; Serial No. 372,668; published Feb. 18, 1936. Class 15.

Halstead Products Co., Oakland, Calif. Oil. 334,548; May 5; Serial No. 372,669; published Feb. 18, 1936. Class 15.

Hastings & Company, Philadelphia, Pa. Gold leaf, silver leaf, and palladium leaf. 334,471; May 5; Serial No. 366,232; published Feb. 11, 1936. Class 14.

Hickey-Freeman Co., Rochester, N. Y. Men's overcoats, topcoats, and suits. 334,494; May 5; Serial No. 372,771; published Feb. 18, 1936. Class 39.

Hodson Corporation, The, Chicago, Ill. Grease compounds. 334,493; May 5; Serial No. 372,772; published Feb. 18, 1936. Class 15.

Hostess Frocks, Inc., New York, N. Y. Women's dresses. 334,427; May 5; Serial No. 373,448; published Feb. 25, 1936. Class 39.

Hudnut, Richard, New York, N. Y. Cleansing cream, face powder, perfume, etc. 334,516; May 5; Serial No. 373,137; published Feb. 18, 1936. Class 6.

Hutchison, J. C., doing business as J. C. Hutchison & Company, Sanford, Fla., and Newark, N. Y. Fresh vegetables. 334,501–2; May 5; Serial Nos. 373,032–3; published Feb. 25, 1936. Class 46.

Idelizem Publishing Company. (See Zimmer, Ernest L.)

Improved Products Manufacturing Company. (See Friedman, Samuel.)

International Biochemists. (See Boddington Laboratories, Inc.)

International Cellucotton Products Company, Chicago, Ill. Absorbent face cleansing sheets of paper. 334,567; May 5; Serial No. 372,418; published Feb. 11, 1936. Class 37.

International Silver Company, Meriden, Conn. Silver plated flatware. 334,515; May 5; Serial No. 373,138; published Feb. 18, 1936. Class 28.

Irving-Cloud Publishing Co., The, Chicago, Ill. Periodical. 334,504; May 5; Serial No. 370,219; published Dec. 3, 1935. Class 38.

Isaacson Iron Works, Seattle, Wash. Motor, log hauling vehicle. 334,618; May 5. Class 19.

J-Bar Company, The. (See Jacobson, James H.)

Jacobson, James H., doing business as The J-Bar Company, Chicago, Ill. Dowels and devices used in concrete highway and similar constructions. 334,448; May 5; Serial No. 366,942; published Feb. 11, 1936. Class 12.

Kendall Company, The, Walpole, Mass. Dusting and polishing cloths. 334,545; May 5; Serial No. 372,626; published Feb. 11, 1936. Class 29.

Kendall Company, The, Walpole, Mass. Cotton dress fabrics. 334,546; May 5; Serial No. 372,627; published Feb. 11, 1936. Class 42.

Kessler, Alex F., Fur Co., St. Louis, Mo. Clothing. 334,595; May 5; Serial No. 371,643; published Jan. 28, 1936. Class 39.

Klein, L., Inc., Chicago, Ill. Lawn seed. 334,407; May 5; Serial No. 372,102; published Feb. 18, 1936. Class 1.

Koch, Herman, doing business as H. Koch & Sons, San Francisco, Calif. Hand trunks, suitcases, portfolios, etc. 334,607; May 5. Class 3.

Korn, David, & Co., Inc., New York, N. Y. Underwear, slips, step-ins, etc. 334,430; May 5; Serial No. 373,418; published Feb. 25, 1936. Class 39.

Krogman Distilling Co., Inc., Tell City, Ind. Whiskey. 334,465–6; May 5; Serial Nos. 373,736–7; published Feb. 25, 1936. Class 49.

Kuczynski, Witold Y., doing business as Witold Products Company, New York, N. Y. Eye drops, wash, and lotion. 334,442; May 5; Serial No. 373,419; published Feb. 18, 1936. Class 6.

Lakeland Groves Company, Lakeland, Fla. Fresh citrus fruit. 334,527; May 5; Serial No. 373,304; published Feb. 25, 1936. Class 46.

Larus & Brother Company, Richmond, Va. Smoking tobacco. 334,599; May 5; Serial No. 371,697; published Feb. 18, 1936. Class 17.

Lebanon Knitting Mills, Lebanon, Pa. Polo shirts. 334,540; May 5; Serial No. 372,675; published Feb. 18, 1936. Class 39.

Leggie, Walter G., New York, N. Y. Bottled and canned dog shampoo. 334,390; May 5; Serial No. 372,282; published Feb. 25, 1936. Class 6.

Lesser, Charles, doing business as Charles Lesser & Co., New York, N. Y. Rings, diamonds, and jewelry. 334,492; May 5; Serial No. 372,776; published Feb. 18, 1936. Class 28.

Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Men's overcoats. 334,485; May 5; Serial No. 372,881; published Feb. 11, 1936. Class 39.

Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Men's overcoats. 334,486; May 5; Serial No. 372,880; published Feb. 18, 1936. Class 39.

Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Overcoats. 334,487; May 5; Serial No. 372,876; published Feb. 11, 1936. Class 39.

Lewis, Nat, Purses, Inc., New York, N. Y. Purses. 334,600; May 5; Serial No. 371,699; published Feb. 11, 1936. Class 3.

Lichtman, J., & Sons, doing business as Lichtman-Widen Tanning Corporation, Newark, N. J. Leather. 334,612; May 5. Class 1.

Lobl Manufacturing Co., The, Middleboro, Mass. Electric heating pad. 334,555; May 5; Serial No. 372,727; published Feb. 25, 1936. Class 44.

Loewenstein, Hermann, New York, N. Y. Suede calf leather. 334,520; May 5; Serial No. 373,048; published Feb. 18, 1936. Class 1.

Loewith, Julius, Inc., New York, N. Y. Uncolored (natural) raffia and colored raffia. 334,394; May 5; Serial No. 372,519; published Feb. 11, 1936. Class 1.

Logan-Robinson Fertilizer Company, Charleston, S. C. Complete fertilizers and fertilizer materials. 334,578; May 5; Serial No. 369,798; published Feb. 11, 1936. Class 10.

Lorraine Manufacturing Company, Pawtucket, R. I. Neckwear. 334,402; May 5; Serial No. 358,884; published Feb. 25, 1936. Class 39.

Louangel Corporation, New York, N. Y. Shoe polish. 334,508; May 5; Serial No. 373,221; published Feb. 18, 1936. Class 4.

Louangel Corporation, New York, N. Y. Preparation for the care of teeth and gums. 334,534; May 5; Serial No. 373,223; published Feb. 25, 1936. Class 6.

Loveland, William H., Company, The, Binghamton, and New York, N. Y. Astringents, astringent cerates, bleach creams, etc. 334,491; May 5; Serial No. 372,778; published Feb. 18, 1936. Class 6.

Mackintosh & Co. (See Fraser, William M.)

Mackintosh & Mackintosh, Limited. (See Pyramid Trading Co. Inc., assignor.)

Majestic Provision Co., Inc., New York, N. Y. Bacon. 334,474; May 5; Serial No. 365,085; published Nov. 12, 1935. Class 46.

Mansfield, B., doing business as B. Mansfield & Co., Effingham, Ill. Whiskey. 334,464; May 5; Serial No. 373,740; published Feb. 25, 1936. Class 49.

Marathon City Brewing Company, Marathon, Wis. Lager beer. 334,438; May 5; Serial No. 360,947; published Feb. 25, 1936. Class 48.

Margulis & Company, Philadelphia, Pa. Whiskey. 334,433; May 5; Serial No. 373,384; published Feb. 25, 1936. Class 49.

Marshall Field & Company, Chicago, Ill. Cotton, silk, and woolen piece goods. 334,615; May 5. Class 42.

McGregor Milling & Grain Company, McGregor, Tex. Grain of all types. 334,561; May 5; Serial No. 371,066; published Feb. 18, 1936. Class 1.

McGregor Milling & Grain Company, McGregor, Tex. Grain of all types. 334,582–3; May 5; Serial Nos. 371,067–8; published Feb. 18, 1936. Class 1.

Meagher Bros. & Co. Limited, Montreal, Quebec, Canada. Whisky, gin, highland liqueur whisky, etc. 334,610; May 5. Class 49.

Microporite Company, The, Wilmington, Del., and Lewistown, Pa. Building materials. 334,604; May 5; Serial No. 370,666; published Feb. 18, 1936. Class 12.

Mid-Western Distillery Products, Inc., Louisville, Ky. Whiskey. 334,461; May 5; Serial No. 373,834; published Feb. 25, 1936. Class 49.

Mission Dry Corporation, Los Angeles, Calif. Sloe gin, gin, gin highball, etc. 334,425; May 5; Serial No. 373,572; published Feb. 25, 1936. Class 49.

Monroe Co., Inc. (See Stern, Louis D.)

Morvay and Sons, Inc., Bridgeton, N. J. Women's pajamas, dresses, slips, etc. 334,587; May 5; Serial No. 371,170; published Feb. 11, 1936. Class 39.

Myers, Irvy, Coal and Lumber Co., Hawthorne, N. J. Timbers, posts, key strips, etc. 334,601; May 5; Serial No. 371,732; published Feb. 18, 1936. Class 12.
National Federation of Post Office Clerks, Washington, D. C. Cartoons. 334,566; May 5; Serial No. 372,425; published Feb. 18, 1936. Class 38.
National Shirt Shops of Delaware, Inc., New York, N. Y. Shirts, collars, sweaters, etc. 334,406; May 5; Serial No. 372,376; published Feb. 18, 1936. Class 39.
New England Vinegar Works, Inc., The, Somerville, Mass. Apple jelly. 334,544; May 5; Serial No. 372,566; published Feb. 18, 1936. Class 46.
Newport Rolling Mill Company, Inc., The, Newport, Ky. Zinc coated iron and steel sheeting. 334,596; May 5; Serial No. 371,649; published Feb. 11, 1936. Class 14.
Northern Rice Associates, Sacramento, Calif. Dried lima beans and dried fruits and vegetables. 334,443; May 5; Serial No. 368,380; published Feb. 25, 1936. Class 46.
Northwest Farmer. (See Ole, Minnie M.)
O'Bryan Brothers, Chicago, Ill. Ladies' rayon underwear. 334,419; May 5; Serial No. 369,456; published Feb. 11, 1936. Class 39.
Odorono Company, Inc., The, New York, N. Y. Deodorant and preparation for preventing excessive perspiration. 334,559; May 5; Serial No. 370,996; published Feb. 18, 1936. Class 6.
Ola, S. E., Beverage Company, The, Washington, Ga. Maltless beverages and a beverage syrup. 334,451; May 5; Serial No. 356,267; published Nov. 6, 1934. Class 45.
Ormig Corporation, New York, N. Y. Hectographic spirit duplicating machines. 334,417; May 5; Serial No. 369,546; published Feb. 11, 1936. Class 37.
Padre Vineyard Co., Los Angeles, Calif. Brandy. 334,423; May 5; Serial No. 373,613; published Feb. 25, 1936. Class 49.
Paine & Williams Company, The, Cleveland, Ohio. Automobile floor mats and floor coverings. 334,617; May 5. Class 50.
Pallmall Knitting Mills, Philadelphia, Pa. Knitted sweaters. 334,410; May 5; Serial No. 372,063; published Feb. 11, 1936. Class 39.
Paragon Rubber Corporation, New York, N. Y. Dolls. 334,458; May 5; Serial No. 373,970; published Feb. 25, 1936. Class 22.
Pastene, P., & Co. Inc., doing business as Pastene Products Co., New York, N. Y. Canned fruits and vegetables, canned fish, ripe olives, etc. 334,507; May 5; Serial No. 370,063; published Feb. 25, 1936. Class 46.
Pate Oil Company, Milwaukee, Wis. Gasoline, lubricating oils, and greases. 334,505; May 5; Serial No. 370,198; published Feb. 18, 1936. Class 15.
Payn's, B., Son's Tobacco Co., Albany, N. Y. Tobacco. 334,563; May 5; Serial No. 372,484; published Feb. 11, 1936. Class 17.
Peerless Paper Mills, The, Oaks, Pa. Toilet paper and paper towels. 334,588; May 5; Serial No. 371,362; published Feb. 11, 1936. Class 37.
Peluffo, Jose, & Compania Limitada Sociedad Anonima Comercial e Industrial, Buenos Aires, Argentina. Eggs. 334,557; May 5; Serial No. 370,890; published Feb. 18, 1936. Class 46.
Pepperell Manufacturing Company, Boston, Mass. Cotton sheeting, sheets, and pillow cases. 334,514; May 5; Serial No. 373,148; published Feb. 11, 1936. Class 42.
Perfect Circle Company, The, Hagerstown, Ind. Piston rings. 334,513; May 5; Serial No. 373,186; published Feb. 25, 1936. Class 35.
Pinaud Incorporated, New York, N. Y. Shaving cream. 334,512; May 5; Serial No. 373,187; published Feb. 18, 1936. Class 4.
Platter, David G., Coffee Company, Inc., Denison, Tex. Coffee. 334,506; May 5; Serial No. 371,000; published Feb. 25, 1936. Class 46.
Platter Sound Products Corporation, North Vernon, Ind. Unitary electrical apparatus. 334,450; May 5; Serial No. 356,966; published Feb. 12, 1935. Class 21.
Plottel Brothers, New York, N. Y. Waterproofed textile fabrics. 334,415; May 5; Serial No. 372,025; published Feb. 11, 1936. Class 50.
Popular Dry Goods Company, Inc., El Paso, Tex. Coats, vests, trousers, etc. 334,518; May 5; Serial No. 373,092; published Feb. 25, 1936. Class 39.
Press Brothers Dress Corporation, Hummelstown, Pa. Ladies' and children's dresses and smocks and uniforms for women. 334,490; May 5; Serial No. 372,790; published Feb. 11, 1936. Class 39.
Pyramid Trading Co. Inc., New York, N. Y., assignor to Mackintosh & Mackintosh, Limited, Stirling, Scotland. Applejack, whiskey, rum, etc. 334,454; May 5; Serial No. 350,432; published June 19, 1934. Class 49.
Q. D. A. Laboratories. (See Strassner, Michael J.)
Quaker Oats Company, The, Chicago, Ill. Cereal products useful in preventing rancidity and deterioration by applying same to perishable goods and/or the containers therefor. 334,597; May 5; Serial No. 371,650; published Feb. 11, 1936. Class 50.
Quigley Company, Inc., New York, N. Y. Refractory cement. 334,564–5; May 5; Serial Nos. 372,430–1; published Feb. 11, 1936. Class 12.
QuiKlip Company, The, Hartford, Conn. Price marking clips. 334,622; May 5. Class 37.
Ramirez, Victor M., doing business as V. M. Ramirez y Cia, Mayaguez, P. R., and New York, N. Y. Orange liquers. 334,533; May 5; Serial No. 373,226; published Feb. 25, 1936. Class 49.
Ransom, A. C., Corporation, New York, N. Y. Printing and lithographing inks. 334,590; May 5; Serial No. 371,474; published Feb. 11, 1936. Class 11.
Reinschild, Frederick C., assignor to Agar Products Inc., New Rochelle, N. Y. Cookies generally. 334,446; May 5; Serial No. 367,371; published Feb. 25, 1936. Class 46.
Rochester Distilling Company, Inc., Rochester, N. Y. Whiskey, gin, rum, etc. 334,462–3; May 5; Serial Nos. 373,749–50; published Feb. 25, 1936. Class 49.
Safe-O Company, Pittsfield, Mass. Granular anti-slip material for sprinkling on the ground. 334,421; May 5; Serial No. 369,248; published Feb. 11, 1936. Class 1.
Sagner, A., & Sons, Inc., Baltimore, Md. Suits, overcoats, pants, etc. 334,585; May 5; Serial No. 371,126; published Feb. 18, 1936. Class 39.
St. Francis Products Co., San Francisco, Calif. Ice cream powder and milk food powder. 334,537; May 5; Serial No. 371,785; published Feb. 25, 1936. Class 46.
Schmidt, C., & Sons, Inc., Philadelphia, Pa. Beer, porter, ale. 334,456; May 5; Serial No. 373,976; published Feb. 25, 1936. Class 48.
Schreter, A., & Sons Co., Inc., Baltimore, Md. Wash ties. 334,540; May 5; Serial No. 371,977; published Feb. 11, 1936.
Scientific Medicinal Products, Inc., San Francisco, Calif. Preparation for the reduction of weight in wafer form. 334,480; May 5; Serial No. 372,999; published Feb. 25, 1936. Class 6. 1936. Class 39.
Schwartz, Rebecca, doing business as Spot-Lite Dance Frocks, New York, N. Y. Dresses and frocks. 334,575; May 5; Serial No. 369,898; published Feb. 18, 1936. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Creams, astringent lotion, face powder, etc. 334,592; May 5; Serial No. 371,557; published Feb. 18, 1936. Class 6.
Seminole Flavor Company, Chattanooga, Tenn. Maltless beverages and syrups for same. 334,496; May 5; Serial No. 370,366; published Feb. 25, 1936. Class 45.
Shane, C. B., Corporation, Chicago, Ill. Men's overcoats and top coats. 334,538; May 5; Serial No. 371,891; published Feb. 11, 1936. Class 39.
Simmons-Boardman Publishing Co., New York, N. Y. Periodical. 334,414; May 5; Serial No. 372,031; published Feb. 18, 1936. Class 38.
Simmons Hardware Company, St. Louis, Mo. Floor and dust mops. 334,581; May 5; Serial No. 370,780; published Feb. 18, 1936. Class 29.
Skirow Fur Company, Chicago, Ill. Fur skins. 334,420; May 5; Serial No. 369,290; published Feb. 11, 1936. Class 1.
Smith, Paul N., doing business as The Paul N. Smith Seed Co., Center Junction, Iowa. Seed corn. 334,560; May 5; Serial No. 371,004; published Feb. 18, 1936. Class 1.
Spot-Lite Dance Frocks. (See Schwartz, Rebecca.)
Starck, John R., doing business as Eelo Laboratories, New York, N. Y. Lubricating oils and greases. 334,591; May 5; Serial No. 371,507; published Feb. 18, 1936. Class 15.
Ste. Pierre Smirnoff Fls, Incorporated, New York, N. Y. Vodka. 334,530; May 5; Serial No. 373,238; published Feb. 25, 1936. Class 49.
Ste. Pierre Smirnoff Fls, Incorporated, New York, N. Y. Vodka. 334,531–2; May 5; Serial Nos. 373,235–6; published Feb. 25, 1936. Class 49.
Stern, Louis D., doing business as Monroe Co., Inc., Cleveland, Ohio. Liquid asbestos roof cement. 334,403; May 5; Serial No. 372,257; published Feb. 18, 1936. Class 12.
Steuben Glass, Inc., New York, N. Y. Glass polish. 334,621; May 5. Class 4.
Stoumen, Bernard, doing business as Fairplay Knitting Mills, Philadelphia, Pa. Bathing suits, sweaters, and polo shirts. 334,526; May 5; Serial No. 373,321; published Feb. 25, 1936. Class 39.
Strassner, Michael J., doing business as Q. D. A. Laboratories, Paterson, N. J. Motor lubricating oils, motor fuel gasoline, and heater fuel oils. 334,434; May 5; Serial No. 364,896; published Feb. 18, 1936. Class 15.
Strouse-Baer Company, The, Baltimore, Md. Suits and pants for boys and suits and sport dresses, etc. for girls. 334,580; May 5; Serial No. 370,681; published Feb. 11, 1936. Class 39.
Strouse-Baer Company, The, Baltimore, Md. Suits and pants for boys and suits and sport dresses, etc. for girls. 334,605; May 5; Serial No. 370,680; published Feb. 11, 1936. Class 39.
Susquehanna Waist Company, Philadelphia, Pa. Blouses and dresses. 334,511; May 5; Serial No. 373,191; published Feb. 25, 1936. Class 39.
Sweet-Orr & Co., Inc., Wappingers Falls and New York, N. Y. Men's shirts. 334,413; May 5; Serial No. 372,033; published Feb. 18, 1936. Class 39.
Thyrole Chemical Company. (See Weinstock, I. Ralph.)
Time Chocolate Company, Columbus, Ohio. Chocolate fudges, chocolate syrups, and chocolate powders. 334,608; May 5. Class 46.

Titan Co. A/S., Fredrikstad, Norway. Paints, paint pigments, lacquers, etc. 334,437; May 5; Serial No. 363,129; published Feb. 25, 1936. Class 16.
Trimount Coin Machine Company, Boston, Mass. Vending machines. 334,562; May 5; Serial No. 372,694; published Mar. 3, 1936. Class 23.
Union Food Products, Inc., The, Brooklyn, N. Y. Salad dressing, French dressing, Russian dressing, etc. 334,614; May 5. Class 46.
United Feature Syndicate, Inc., New York, N. Y. Comic drawings. 334,541–3; May 5; Serial Nos. 371,987–9; published Feb. 18, 1936. Class 38.
United States Gypsum Company, Chicago, Ill. Asphalt roofing, felt for construction purposes, sheathing, etc. 334,439; May 5; Serial No. 360,258; published Feb. 11, 1936. Class 12.
Van-Dye-Way Corporation, Paterson, N. J. Furs and fur skins. 334,550; May 5; Serial No. 372,696; published Feb. 11, 1936. Class 1.
Walker, Hiram, & Sons, Inc., Peoria, Ill. Whiskey. 334,453; May 5; Serial No. 352,567; published Oct. 2, 1934. Class 49.
Weinstock, I. Ralph, doing business as Thyrole Chemical Company, Philadelphia, Pa. Dentifrice. 334,522; May 5; Serial No. 372,260; published Feb. 25, 1936. Class 6.
Wells Fargo Company of Arizona, The, Nogales, Ariz. Fresh limes. 334,551; May 5; Serial No. 372,699; published Feb. 25, 1936. Class 46.
West, Henry J., Terre Haute, Ind. Whiskey. 334,459; May 5; Serial No. 373,855; published Feb. 25, 1936. Class 49.
Western Clock Company, Peru, Ill. Clocks and watches. 334,484; May 5; Serial No. 372,898; published Feb. 18, 1936. Class 27.
West Virginia Pulp & Paper Company, New York, N. Y. Paper. 334,397–8; May 5; Serial Nos. 359,885–6; published Feb. 18, 1936. Class 37.
West Virginia Pulp & Paper Company, New York, N. Y. Paper coated on one side. 334,441; May 5; Serial No. 359,839; published Feb. 18, 1936. Class 37.
West Virginia Pulp & Paper Company, New York, N. Y. Paper, Printing. 334,442; May 5; Serial No. 359,837; published Feb. 18, 1936. Class 37.
Wilbur-Suchard Chocolate Company, Lititz, Pa. Chocolate, chocolate fruit and nut bars, and chocolate flavored syrup. 334,404; May 5; Serial No. 372,227; published Feb. 25, 1936. Class 46.
Williams, R. C., & Company, Inc., New York, N. Y. Whiskey and gin. 334,606; May 5. Class 49.
Winchester Dried Fruit Co., San Jose, Calif. Dried prunes, apricots, peaches, etc. 334,619; May 5. Class 46.
Witold Products Company. (See Kuczynski, Witold V.)
Wolff, Dr. George Fred, & Asso., Inc., Chicago, Ill. Antiseptic hair growing preparation in ointment form. 334,510; May 5; Serial No. 373,192; published Feb. 18, 1936. Class 6.
Women, Inc., Chicago, Ill. Magazine. 334,447; May 5; Serial No. 367,012; published Feb. 18, 1936. Class 38.
Women's Uniforms, Inc. (See Dix, Henry A., & Sons Corporation.)
Wood & Hyde Company, Gloversville, N. Y. Leather. 334,553; May 5; Serial No. 372,714; published Feb. 11, 1936. Class 1.
Zenith Radio Corporation, Chicago, Ill. Prime-mover-driven electric generator combinations. 334,479; May 5; Serial No. 373,010; published Feb. 25, 1936. Class 21.
Zimmer, Ernest L., doing business as Idelizem Publishing Company, Minneapolis, Minn. Puzzle. 334,460; May 5; Serial No. 373,761; published Feb. 25, 1936. Class 22.

LIST OF REGISTRANTS OF LABELS

Bird & Son, Inc., East Walpole, Mass. Graceful Arch. For Cartons. 47,447; May 5.
Bradley, Milton, Company, Springfield, Mass. Lotto. For an Indoor Game. 47,448; May 5.
Bradley, Milton, Company, Springfield, Mass. Fibber McGee—A Hilarious Party Game. For an Indoor Game. 47,449; May 5.
Bradley, Milton, Company, Springfield, Mass. Tiddledy Winks. For an Indoor Game. 47,450; May 5.
Bradley, Milton, Company, Springfield, Mass. Senior Combination Board—Plays Fourteen Games. For an Indoor Game. 47,451; May 5.
Canada Cycle & Motor Company, Limited, Weston, Canada. C. C. M. Matched Set. For Skates, Shoes, and Boots. 47,452–3; May 5.
Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. W. L. Douglas "America's Best Known Shoe". For Shoes. 47,454; May 5.
Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Hialeah Sandal. For Sandals. 47,455; May 5.
Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Earles Beautiful Shoes. For Shoes. 47,456; May 5.
Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. The Last Word Sportster. For Shoes. 47,457; May 5.
Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Spotlight Sandals. For Sandals. 47,458; May 5.
Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Morwalk Shoes. For Shoes. 47,459; May 5.
Coast Fishing Co., Wilmington, Calif. King Solomon. For Canned Pilchards. 47,460; May 5.
Coast Fishing Co., Wilmington, Calif. Balto. For Canned Dog Food. 47,461; May 5.
Dearborn Chemical Company, Chicago, Ill. Plumite. For a Solvent for Cleaning Drain Pipes and Plumbing Fixtures. 47,462; May 5.
Home Foundry Mfg. Co., Chicago, Ill. G-Men. For Casting Sets. 47,463; May 5.
Johnson, S. C., & Son, Inc., Racine, Wis. Johnson's Paste Wood Filler. For a Paste Wood Filler. 47,464; May 5.
Kemp, E. F., Inc., Somerville, Mass. Kemp's Dunkies. For Molasses Pop Corn. 47,465; May 5.
Markwell Mfg. Co. Inc., New York, N. Y. Standard Size Staples. For Staples. 47,466; May 5.
Mayo Bros. Laboratories, Bell, Calif. Mayo Bros. For Dentifrices. 47,467; May 5.
Nu-Nail Company, Chicago, Ill. Nu-Nails. For Artificial Finger Nails. 47,468; May 5.
Powers, Walter P., Chicago, Ill. Old Yorkshire. For Maryland Straight Rye Whiskey. 47,469; May 5.
Powers, Walter P., Chicago, Ill. Ramsay's. For Blended Scotch Type Whisky. 47,470; May 5.
Standard Bleachery and Printing Co., The, Carlton Hill, N. J. Swanshrunk. For Bleaches, Dyes, and Finishes. 47,471; May 5.
Stewart & Ashby Coffee Co., Chicago, Ill. Stewarts Private Blend. For Coffee. 47,472; May 5.
Worcester Paper Box Manufacturing Co., Worcester, Mass. Best Wear Comfort Footwear. For Footwear. 47,473; May 5.

LIST OF REGISTRANTS OF PRINTS

Cream of Wheat Corporation, The, Minneapolis, Minn. How Much Do You Really Know About Your Baby? For Wheat Breakfast Food. 15,683; May 5.
Kolynos Company, The, New Haven, Conn. 1177E. For Dental Cream. 15,684; May 5.
Nunn-Bush Shoe Company, Milwaukee, Wis. Young Men Take Their Hats Off to This Shoe. For Shoes. 15,685; May 5.
Nunn-Bush Shoe Company, Milwaukee, Wis. Unusual Value $5 to $6. For Shoes. 15,686; May 5.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Fuel. Great Lakes Coal & Coke Co. 334,584; May 5; Serial No. 371,096; published Jan. 21, 1936.
Fur skins. Skirow Fur Company. 334,420; May 5; Serial No. 369,290; published Feb. 11, 1936.
Furs and fur skins. Van-Dye-Way Corporation. 334,550; May 5; Serial No. 372,696; published Feb. 11, 1936.
Grain of all types. McGregor Milling & Grain Company. 334,561; May 5; Serial No. 371,066; published Feb. 18, 1936.
Grain of all types. McGregor Milling & Grain Company. 334,582–3; May 5; Serial Nos. 371,067–8; published Feb. 18, 1936.
Granular anti-slip material. Safe-O Company. 334,421; May 5; Serial No. 369,248; published Feb. 11, 1936.
Leather. Agoos Leather Companies. 334,393; May 5; Serial No. 372,539; published Feb. 11, 1936.
Leather. Bayer Brothers Leather Co. 334,477; May 5; Serial No. 373,017; published Feb. 18, 1936.
Leather. J. Lichtman & Sons. 334,612; May 5.
Leather. Wood & Hyde Company. 334,553; May 5; Serial No. 372,714; published Feb. 11, 1936.

Leather, Suede calf. H. Loewenstein. 334,520; May 5; Serial No. 373,048; published Feb. 18, 1936.
Raffia and colored raffia, Uncolored (natural). Julius Loewith, Inc. 334,394; May 5; Serial No. 372,519; published Feb. 11, 1936.
Seed corn. P. N. Smith. 334,560; May 5; Serial No. 371,094; published Feb. 18, 1936.
Seed, Lawn. L. Klein, Inc. 334,407; May 5; Serial No. 372,102; published Feb. 18, 1936.
Wool, Mineral. American Gypsum Company. 334,556; May 5; Serial No. 372,756; published Feb. 18, 1936.

CLASS 2

Bags, Paper or fibre garment. Clopay Corporation. 334,445; May 5; Serial No. 367,388; published Feb. 25, 1936.
Boxes, Fibre or pasteboard merchandise. Cumlokt Company. 334,475; May 5; Serial No. 373,022; published Feb. 25, 1936.

CLASS 3

Purses. Nat Lewis Purses, Inc. 334,600; May 5; Serial No. 371,699; published Feb. 11, 1936.
Trunks, suitcases, portfolios, etc., Hand. H. Koch. 334,607; May 5.

CLASS 4

Polish, Glass. Steuben Glass, Inc. 334,621; May 5.
Shaving cream. Pinaud Incorporated. 334,512; May 5; Serial No. 373,187; published Feb. 18, 1936.
Shoe polish. Louangel Corporation. 334,508; May 5; Serial No. 373,221; published Feb. 18, 1936.

CLASS 5

Adhesive tape. Butler Brothers. 334,489; May 5; Serial No. 372,821; published Feb. 18, 1936.
Glue. Arabol Manufacturing Company. 334,586; May 5; Serial No. 371,129; published Feb. 11, 1936.

CLASS 6

Antiseptic hair growing preparation. Dr. George Fred Wolff & Asso., Inc. 334,510; May 5; Serial No. 373,192; published Feb. 18, 1936.
Astringents, astringent cerates, bleach creams, etc. William H. Loveland Company. 334,491; May 5; Serial No. 372,778; published Feb. 18, 1936.
Cream, face powder, perfume, etc., Cleansing. Richard Hudnut. 334,516; May 5; Serial No. 373,137; published Feb. 18, 1936.
Creams and coatings for protecting the skin. Clevene, Inc. 334,449; May 5; Serial No. 366,361; published Feb. 25, 1936.
Creams, astringent lotion, face powder, etc. Sears, Roebuck and Co. 334,592; May 5; Serial No. 371,557; published Feb. 18, 1936.
Dentifrice. I. R. Weinstock. 334,522; May 5; Serial No. 372,260; published Feb. 25, 1936.
Deodorant and preparation for preventing excessive perspiration. Odorono Company. 334,559; May 5; Serial No. 370,996; published Feb. 18, 1936.
Drain pipe openers. Drain-King Corporation. 334,589; May 5; Serial No. 371,417; published Feb. 25, 1936.
Drops, wash, and lotion, Eye. W. V. Kuczynski. 334,429; May 5; Serial No. 373,419; published Feb. 18, 1936.
Insecticide composition, Liquid. T. L. Cunningham. 334,399; May 5; Serial No. 359,620; published Feb. 18, 1936.
Liquid composition for preventing ignition of matches, etc. T. L. Cunningham. 334,400; May 5; Serial No. 359,619; published Feb. 18, 1936.
Mixture for repelling rats, mice, and other rodents, Special. Gustavus J. Esselen, Inc. 334,517; May 5; Serial No. 373,133; published Feb. 18, 1936.
Preparation for the care of teeth and gums. Louangel Corporation. 334,534; May 5; Serial No. 373,223; published Feb. 25, 1936.
Preparation for the reduction of weight, in wafer form. Scientific Medicinal Products, Inc. 334,480; May 5; Serial No. 372,999; published Feb. 25, 1936.
Sedative tablet, Non-narcotic. Boddington Laboratories, Inc. 334,525; May 5; Serial No. 373,355; published Feb. 25, 1936.
Shampoo, Bottled and canned dog. W. G. Legge. 334,390; May 5; Serial No. 372,282; published Feb. 25, 1936.
Starch product used as a coagulant in coal wash-water. Corn Products Refining Company. 334,426; May 5; Serial No. 373,487; published Feb. 25, 1936.

CLASS 8

Ash trays and cigarette cases. General Electric Company. 334,573; May 5; Serial No. 372,359; published Feb. 11, 1936.

CLASS 10

Fertilizers. A. C. Bingham. 334,422; May 5; Serial No. 368,916; published Feb. 18, 1936.
Fertilizers and fertilizer materials, Complete. Logan-Robinson Fertilizer Company. 334,578; May 5; Serial No. 369,798; published Feb. 11, 1936.

CLASS 11

Carbon paper and typewriter ribbons. General Office Supply Company. 334,503; May 5; Serial No. 370,238; published Feb. 11, 1936.
Inks, Printing and lithographing. A. C. Ransom Corporation. 334,590; May 5; Serial No. 371,474; published Feb. 11, 1936.

CLASS 12

Building materials. Microporite Company. 334,604; May 5; Serial No. 370,666; published Feb. 18, 1936.
Cement, Liquid asbestos roof. L. D. Stern. 334,403; May 5; Serial No. 372,257; published Feb. 18, 1936.
Cement, Refractory. Quigley Company. 334,564–5; May 5; Serial Nos. 372,430–1; published Feb. 11, 1936.
Dowels and devices used in concrete highway and similar constructions. J. H. Jacobson. 334,448; May 5; Serial No. 366,942; published Feb. 11, 1936.
Lumber, sash, doors, and millwork. I. Copperstein. 334,598; May 5; Serial No. 371,679; published Feb. 18, 1936.
Roofing, felt for construction purposes, sheathing, etc., Asphalt. United States Gypsum Company. 334,439; May 5; Serial No. 360,258; published Feb. 11, 1936.
Timbers, posts, key strips, etc. Irvy Myers Coal and Lumber Co. 334,601; May 5; Serial No. 371,732; published Feb. 18, 1936.

CLASS 13

Utensils composed of aluminum alloy, Cooking. Advance Aluminum Casting Corp. 334,570; May 5; Serial No. 372,386; published Feb. 25, 1936.

CLASS 14

Gold leaf, silver leaf, and palladium leaf. Hastings & Company. 334,471; May 5; Serial No. 366,232; published Feb. 11, 1936.
Sheeting, Zinc coated iron and steel. Newport Rolling Mill Company. 334,596; May 5; Serial No. 371,649; published Feb. 11, 1936.

CLASS 15

Gasoline, lubricating oils, and greases. Pate Oil Company. 334,505; May 5; Serial No. 370,198; published Feb. 18, 1936.
Grease compounds. Hodson Corporation. 334,493; May 5; Serial No. 372,772; published Feb. 18, 1936.
Oil. Halstead Products Co. 334,548; May 5; Serial No. 372,669; published Feb. 18, 1936.
Oil for blending with crankcase lubricants. Halstead Products Co. 334,547; May 5; Serial No. 372,668; published Feb. 18, 1936.
Oils and extreme pressure lubricants. Crusader Oil Corporation. 334,552; May 5; Serial No. 372,707; published Feb. 18, 1936.
Oils and gasoline. M. J. Strassner. 334,434; May 5; Serial No. 364,896; published Feb. 18, 1936.
Oils and greases. Blitrite Motor Equipment Co. Inc. 334,476; May 5; Serial No. 373,018; published Feb. 18, 1936.
Oils and greases, Lubricating. J. R. Starck. 334,591; May 5; Serial No. 371,507; published Feb. 18, 1936.

CLASS 16

Paint. Continental Asbestos & Refining Company. 334,528; May 5; Serial No. 373,284; published Feb. 25, 1936.
Paints, paint pigments, lacquers, etc. Tatan Co. A/S. 334,437; May 5; Serial No. 363,129; published Feb. 25, 1936.
Varnish and varnish extender. M. Darrow. 334,524; May 5; Serial No. 373,367; published Feb. 25, 1936.

CLASS 17

Tobacco. B. Payn's Son's Tobacco Co. 334,563; May 5; Serial No. 372,484; published Feb. 11, 1936.
Tobacco, Smoking. Larus & Brothers Company. 334,599; May 5; Serial No. 371,697; published Feb. 18, 1936.

CLASS 19

Vehicle, Motor, log hauling. Isaacson Iron Works. 334,618; May 5.

CLASS 21

Electric generator combinations, Prime-mover-driven. Zenith Radio Corporation. 334,479; May 5; Serial No. 373,010; published Feb. 25, 1936.
Electrical apparatus, Unitary. Platter Sound Products Corporation. 334,450; May 5; Serial No. 356,966; published Feb. 12, 1935.
Electrical suction cleaners and parts and accessories thereof. Air-Way Electric Appliance Corporation. 334,478; May 5; Serial No. 373,013; published Feb. 25, 1936.
Heaters, Water. Automatic Electric Heater Co. 334,569; May 5; Serial No. 372,387; published Feb. 25, 1936.

CLASS 22

Dolls. Paragon Rubber Corporation. 334,458; May 5; Serial No. 373,970; published Feb. 25, 1936.
Games. E. H. Craig. 334,428; May 5; Serial No. 373,442; published Feb. 25, 1936.
Puzzle. E. L. Zimmer. 334,460; May 5; Serial No. 373,761; published Feb. 25, 1936.
Tennis rackets, squash rackets, badminton rackets, etc. S. J. Feron, Inc. 334,611; May 5.

CLASS 23

Tools and parts thereof, Combination machine. General Electric Company. 334,571–2; May 5; Serial Nos. 372,361–2; published Feb. 25, 1936.
Vending machines. Trimount Coin Machine Company. 334,562; May 5; Serial No. 372,694; published Mar. 3, 1936.

CLASS 26

Photographic apparatus. Folmer Graflex Corporation. 334,436; May 5; Serial No. 363,430; published Feb. 25, 1936.

CLASS 27

Clocks and watches. Western Clock Company. 334,484; May 5; Serial No. 372,898; published Feb. 18, 1936.

CLASS 28

Ring guards, Finger. S. Friedman. 334,497; May 5; Serial No. 370,344; published Feb. 18, 1936.
Rings, diamonds, and jewelry. C. Lesser. 334,492; May 5; Serial No. 372,776; published Feb. 18, 1936.
Silver plated flatware. International Silver Company. 334,515; May 5; Serial No. 373,138; published Feb. 18, 1936.

CLASS 29

Cloths, Dusting and polishing. Kendall Company. 334,545; May 5; Serial No. 372,626; published Feb. 11, 1936.
Kit containing clothes brush and shoe polishing pad. Atlas Supply Company. 334,418; May 5; Serial No. 369,472; published Feb. 18, 1936.
Mops, Floor and dust. Simmons Hardware Company. 334,581; May 5; Serial No. 370,780; published Feb. 18, 1936.
Powder puffs. Columbia Plush & Puff Co. 334,411; May 5; Serial No. 372,045; published Feb. 11, 1936.

CLASS 33

Glass for use in automobile doors and automobile windshields, Plate. J. Brandt. 334,412; May 5; Serial No. 372,040; published Feb. 25, 1936.

CLASS 35

Piston rings. Perfect Circle Company. 334,513; May 5; Serial No. 373,186; published Feb. 25, 1936.

CLASS 37

Blank books, Weekly income record. Commonwealth Publishing Company. 334,401; May 5; Serial No. 359,505; published Feb. 11, 1936.
Clips, Price marking. QuiKlip Company. 334,622; May 5.
Hectographic spirit duplicating machines. Ormig Corporation. 334,417; May 5; Serial No. 369,546; published Feb. 11, 1936.
Mounting hinges. A. A. Ainsworth. 334,483; May 5; Serial No. 372,943; published Feb. 18, 1936.
Paper, West Virginia Pulp & Paper Company. 334,397–8; May 5; Serial Nos. 359,835–6; published Feb. 18, 1936.
Paper and envelopes. Central Paper Company. 334,470; May 5; Serial No. 366,314; published Feb. 11, 1936.
Paper and paper towels, Toilet. Peerless Paper Mills. 334,588; May 5; Serial No. 371,362; published Feb. 11, 1936.
Paper and stationery. Eastman Kodak Company. 334,594; May 5; Serial No. 371,627; published Feb. 11, 1936.
Paper coated on one side. West Virginia Pulp & Paper Company. 334,441; May 5; Serial No. 359,839; published Feb. 18, 1936.
Paper, Printing. West Virginia Pulp & Paper Company. 334,442; May 5; Serial No. 359,837; published Feb. 18, 1936.
Paper, Writing and printing. American Writing Paper Company. 334,521; May 5; Serial No. 372,266; published Feb. 18, 1936.
Partitions, candy layer cards, liners, etc., Slotted box and pad. W. J. Bradford Paper Company. 334,574; May 5; Serial No. 372,309; published Feb. 18, 1936.
Sheets made of paper, Absorbent face cleansing. International Cellucotton Products Company. 334,567; May 5; Serial No. 372,418; published Feb. 11, 1936.

CLASS 38

Calendars, Wall. Friendship Calendar Company. 334,488; May 5; Serial No. 372,828; published Feb. 18, 1936.
Cartoons. National Federation of Post Office Clerks. 334,566; May 5; Serial No. 372,425; published Feb. 18, 1936.
Drawings, Comic. United Feature Syndicate, Inc. 334,541–8; May 5; Serial Nos. 371,987–9; published Feb. 18, 1936.
Magazine. Women, Inc. 334,447; May 5; Serial No. 367,012; published Feb. 18, 1936.
Newspaper articles. P. Dennett. 334,602; May 5; Serial No. 370,575; published Feb. 18, 1936.
Periodical. Irving-Cloud Publishing Co. 334,504; May 5; Serial No. 370,219; published Dec. 3, 1935.
Periodical. Simmons-Boardman Publishing Co. 334,414; May 5; Serial No. 372,031; published Feb. 18, 1936.
Publication. H. Gernsback. 334,554; May 5; Serial No. 372,721; published Feb. 18, 1936.
Publication. M. M. Ole. 334,481; May 5; Serial No. 372,987; published Feb. 18, 1936.

CLASS 39

Apparel, Wearing. Brookshire Coat Co. 334,405; May 5; Serial No. 372,129; published Feb. 18, 1936.
Blouses and dresses. Susquehanna Waist Company. 334,511; May 5; Serial No. 373,191; published Feb. 25, 1936.
Clothing. Alex F. Kessler Fur Co. 334,595; May 5; Serial No. 371,643; published Jan. 28, 1936.
Coats, suits, and dresses. Wm. P. Goldman & Bros. Inc. 334,535; May 5; Serial No. 372,562; published Feb. 25, 1936.
Coats, vests, trousers, etc. Popular Dry Goods Company. 334,518; May 5; Serial No. 373,092; published Feb. 25, 1936.
Dresses. B. Altman & Co. 334,409; May 5; Serial No. 372,073; published Feb. 25, 1936.
Dresses and frocks. R. Schwartz. 334,575; May 5; Serial No. 369,898; published Feb. 18, 1936.
Dresses, and misses' and waitresses' uniforms, Ladies'.
Dresses, and misses' and waitresses uniforms, Ladies'. Henry A. Dix & Sons Corporation. 334,496; May 5; Serial No. 370,502; published Feb. 11, 1936.
Dresses and smocks and uniforms for women, Ladies' and children's. Press Brothers Dress Corporation. 334,490; May 5; Serial No. 372,790; published Feb. 11, 1936.
Dresses for women. M. S. Altmark. 334,579; May 5; Serial No. 369,757; published Feb. 11, 1936.
Dresses, Women's. Hostess Frocks, Inc. 334,427; May 5; Serial No. 373,448; published Feb. 25, 1936.
Lingerie, negligees, underwear, etc. American Enka Corporation. 334,523; May 5; Serial No. 371,998; published Feb. 18, 1936.
Neckwear. Lorraine Manufacturing Company. 334,402; May 5; Serial No. 358,884; published Feb. 25, 1936.
Overalls and work pants, dresses, and coats. Gross Galesburg Company. 334,431; May 5; Serial No. 373,414; published Feb. 18, 1936.
Overcoats. Levy Bros. & Adler Rochester, Incorporated. 334,487; May 5; Serial No. 372,876; published Feb. 11, 1936.
Overcoats and top coats, Men's. C. B. Shane Corporation. 334,538; May 5; Serial No. 371,891; published Feb. 11, 1936.
Overcoats, Men's. Levy Bros. & Adler Rochester, Incorporated. 334,485; May 5; Serial No. 372,881; published Feb. 11, 1936.
Overcoats, Men's. Levy Bros. & Adler Rochester, Incorporated. 334,486; May 5; Serial No. 372,880; published Feb. 18, 1936.
Overcoats, topcoats, and suits, Men's. Hickey-Freeman Co. 334,494; May 5; Serial No. 372,771; published Feb. 18, 1936.
Pajamas, dresses, slips, etc., Women's. Morvay and Sons, Inc. 334,587; May 5; Serial No. 371,170; published Feb. 11, 1936.
Panties. Bonwit Teller, Inc. 334,568; May 5; Serial No. 372,389; published Feb. 18, 1936.
Panties. Brown Durrell Co. 334,482; May 5; Serial No. 372,958; published Feb. 18, 1936.
Raincoats and coats made of fabrics. W. R. Bradshaw. 334,408; May 5; Serial No. 372,083; published Feb. 11, 1936.
Raincoats and sportjackets. Fashion Frocks, Inc. 334,444; May 5; Serial No. 367,390; published Feb. 18, 1936.
Shirts, collars, sweaters, etc. National Shirt Shops of Delaware, Inc. 334,406; May 5; Serial No. 372,376; published Feb. 18, 1936.
Shirts, hosiery, and underwear. J. P. Bubla. 334,392; May 5; Serial No. 372,542; published Feb. 11, 1936.
Shirts, Men's. J. Freezer & Son, Inc. 334,536; May 5; Serial No. 372,560; published Feb. 11, 1936.
Shirts, Men's. Sweet-Orr & Co. 334,413; May 5; Serial No. 372,033; published Feb. 18, 1936.
Shirts, Polo. Lebanon Knitting Mills. 334,549; May 5; Serial No. 372,675; published Feb. 18, 1936.
Suits and pants for boys and suits and sport dresses, etc., for girls. Strouse-Baer Company. 334,580; May 5; Serial No. 370,681; published Feb. 11, 1936.
Suits and pants for boys and suits and sport dresses, etc., for girls. Strouse-Baer Company. 334,605; May 5; Serial No. 370,680; published Feb. 11, 1936.
Suits, overcoats, pants, etc. A. Sanger & Sons, Inc. 334,585; May 5; Serial No. 371,126; published Feb. 18, 1936.
Suits, sweaters, and polo shirts, Bathing. B. Stoumen. 334,528; May 5; Serial No. 373,321; published Feb. 25, 1936.
Suits, trousers, slacks. Chicago Rubber Clothing Company. 334,558; May 5; Serial No. 370,987; published Feb. 18, 1936.
Sweaters, Knitted. Pallmall Knitting Mills. 334,410; May 5; Serial No. 372,063; published Feb. 11, 1936.
Ties, Wash. A. Schreter & Sons Co. 334,540; May 5; Serial No. 371,977; published Feb. 11, 1936.
Trousers, knickerbockers, outer shirts, etc. Cone Export and Commission Company. 334,539; May 5; Serial No. 371,912; published Feb. 11, 1936.
Underwear, Ladies'. Ford Manufacturing, Inc. 334,391; May 5; Serial No. 372,558; published Feb. 11, 1936.

Underwear, Ladies' rayon. O'Bryan Brothers. 334,419; May 5; Serial No. 369,456; published Feb. 11, 1936.
Underwear, slips, step-ins, etc. D. Korn & Co. 334,430; May 5; Serial No. 373,418; published Feb. 25, 1936.

CLASS 42

Corduroys and velveteens in the piece. Crompton Company. 334,593; May 5; Serial No. 371,588; published Feb. 11, 1936.
Cotton dress goods. Kendall Company. 334,546; May 5; Serial No. 372,627; published Feb. 11, 1936.
Cotton, silk, and woolen piece goods. Marshall Field & Company. 334,615; May 5.
Fabrics in the piece. M. Fisher. 334,609; May 5.
Goods in the piece. Dumari Textile Co. 334,576–7; May 5; Serial Nos. 369,805–6; published Feb. 11, 1936.
Sheeting, sheets and pillow cases, Cotton. Pepperell Manufacturing Company. 334,514; May 5; Serial No. 373,148; published Feb. 11, 1936.
Textile fabrics. Cleveland Cloth Mills, Inc. 334,395–6; May 5; Serial Nos. 372,508–9; published Feb. 11, 1936.

CLASS 44

Heating pad, Electric. Lobl Manufacturing Co. 334,555; May 5; Serial No. 372,727; published Feb. 25, 1936.
Medicinal applicators and diaphragms, Uterine. Certane Co. 334,499–500; May 5; Serial Nos. 370,247–8; published Feb. 25, 1936.

CLASS 45

Beverages, and a beverage syrup, Maltless. S. E. Ola Beverage Company. 334,451; May 5; Serial No. 356,267; published Nov. 6, 1934.
Beverages and syrups for same, Maltless. Seminole Flavor Company. 334,496; May 5; Serial No. 370,366; published Feb. 25, 1936.

CLASS 46

Bacon. Majestic Provision Co. 334,474; May 5; Serial No. 365,085; published Nov. 12, 1935.
Beans and dried fruits and vegetables, Dried lima. Northern Rice Associates. 334,443; May 5; Serial No. 368,380; published Feb. 25, 1936.
Canned fruits and vegetables, canned fish, ripe olives, etc. P. Pastene & Co. Inc. 334,507; May 5; Serial No. 370,063; published Feb. 25, 1936.
Cheese. Capital City Products Company. 334,509; May 5; Serial No. 373,198; published Feb. 25, 1936.
Chocolate, chocolate fruit and nut bars, and chocolate flavored syrup. Wilbur-Suchard Chocolate Company. 334,404; May 5; Serial No. 372,227; published Feb. 25, 1936.
Chocolate fudges, chocolate syrups, and chocolate powders. Time Chocolate Company. 334,608; May 5.
Coffee. Bacon, Stickney & Co. 334,616; May 5.
Coffee. Geck Trading & Commission Co. 334,620; May 5.
Coffee. David G. Platter Coffee Company. 334,506; May 5; Serial No. 371,000; published Feb. 25, 1936.
Coffee, Ground and bean roasted. Cafeteros de Puerto Rico. 334,603; May 5; Serial No. 370,650; published Feb. 25, 1936.
Cookies generally. F. C. Reinschild. 334,446; May 5; Serial No. 367,371; published Feb. 25, 1936.
Edible delicacy made of parched and popped field corn. Backs-Jackson. 334,416; May 5; Serial No. 372,000; published Feb. 25, 1936.
Eggs. Jose Peluffo & Compania Limitada Sociedad Anonima Comercial e Industrial. 334,557; May 5; Serial No. 370,890; published Feb. 18, 1936.
Fish, Salt cod. Collins, Lee Company. 334435; May 5; Serial No. 364713; published Aug. 13, 1935.
Fruit, Fresh citrus. Lakeland Groves Company. 334,527; May 5; Serial No. 373,304; published Feb. 25, 1936.
Fruits, Fresh citrus. Ariz-Sweet Grapefruit Growers, Ltd. 334,440; May 5; Serial No. 360,198; published Apr. 23, 1935.
Gum, Chewing. Gum, Inc. 334,498; May 5; Serial No. 370,306; published Feb. 25, 1936.
Ice cream powder and milk food powder. St. Francis Products Co. 334,537; May 5; Serial No. 371,785; published Feb. 25, 1936.
Jelly, Apple. New England Vinegar Works, Inc. 334,544; May 5; Serial No. 372,566; published Feb. 18, 1936.
Limes, Fresh. Wells Fargo Company of Arizona. 334,551; May 5; Serial No. 372,699; published Feb. 25, 1936.
Milk, buttermilk, cream, etc., Fresh. Glendale Farms. 334,613; May 5.
Nuts, Fresh roasted. J. N. Germack. 334,472; May 5; Serial No. 365,936; published Feb. 25, 1936.
Potatoes. Farm Bureau Cooperative Association. 334,519; May 5; Serial No. 373,077; published Feb. 25, 1936.
Pretzels. American Cone & Pretzel Company. 334,455; May 5; Serial No. 322,951; published Feb. 25, 1936.
Prunes, apricots, peaches, etc., Dried. Winchester Dried Fruit Co. 334,619; May 5.
Salad dressing, French dressing, Russian dressing, etc. Union Food Products, Inc. 334,614; May 5.
Vegetables, Fresh. J. C. Hutchison. 334,501–2; May 5; Serial Nos. 373,032–3; published Feb. 25, 1936.

CLASS 48

Ale. Flock Brewing Co. 334,529; May 5; Serial No. 373,253; published Feb. 25, 1936.
Beer, Lager. Marathon City Brewing Company. 334,438; May 5; Serial No. 360,947; published Feb. 25, 1936.
Beer, porter, ale. C. Schmidt & Sons, Inc. 334,456; May 5; Serial No. 373,976; published Feb. 25, 1936.

CLASS 49

Applejack, whiskey, rum, etc. Pyramid Trading Co. Inc. 334,454; May 5; Serial No. 350,432; published June 19, 1934.
Brandy. Padre Vineyard Co. 334,423; May 5; Serial No. 373,613; published Feb. 25, 1936.
Gin. Adams, Mitchell & Co. 334,432; May 5; Serial No. 373,403; published Feb. 25, 1936.
Gin and whiskey. American Distilling Company. 334,469; May 5; Serial No. 373,661; published Feb. 25, 1936.
Liquers, Orange. V. M. Ramirez. 334,533; May 5; Serial No. 373,226; published Feb. 25, 1936.
Sloe gin, gin, gin highball, etc. Mission Dry Corporation. 334,425; May 5; Serial No. 373,672; published Feb. 25, 1936.
Vodka. Ste. Pierre Smirnoff Fls. Incorporated. 334,530; May 5; Serial No. 373,238; published Feb. 25, 1936.
Vodka. Ste. Pierre Smirnoff Fls. Incorporated. 334,531–2; May 5; Serial Nos. 373,235–6; published Feb. 25, 1936.
Whiskey. Bloomingdale Bros., Inc. 334,457; May 5; Serial No. 373,817; published Feb. 25, 1936.
Whiskey. Frankfort Distilleries, Incorporated. 334,467–8; May 5; Serial Nos. 373,726–7; published Feb. 25, 1936.
Whiskey. Krogman Distilling Co. 334,465–6; May 5; Serial Nos. 373,736–7; published Feb. 25, 1936.
Whiskey. B. Mansfield. 334,464; May 5; Serial No. 373,740; published Feb. 25, 1936.
Whiskey. Marulis & Company. 334,433; May 5; Serial No. 373,384; published Feb. 25, 1936.
Whiskey. Mid-Western Distillery Products, Inc. 334,461; May 5; Serial No. 373,834; published Feb. 25, 1936.
Whiskey. Hiram Walker & Sons, Inc. 334,453; May 5; Serial No. 352,567; published Oct. 2, 1934.
Whiskey. H. J. West. 334,459; May 5; Serial No. 373,855; published Feb. 25, 1936.
Whiskey and gin. R. C. Williams & Company. 334,606; May 5.
Whiskey, gin, rum, etc. Rochester Distilling Company. 334,462–3; May 5; Serial Nos. 373,749–50; published Feb. 25, 1936.
Whiskey, Scotch. W. M. Fraser. 334,452; May 5; Serial No. 355,436; published Oct. 30, 1934.
Whisky, gin, highland liqueur whisky, etc. Meagher Bros. & Co. Limited. 334,610; May 5.
Whisky, Scotch. Bellow & Company. 334,424; May 5; Serial No. 373,587; published Feb. 25, 1936.

CLASS 50

Cereal products useful in preventing rancidity and deterioration by applying same to perishable goods and/or the containers therefor. Quaker Oats Company. 334,597; May 5; Serial No. 371,650; published Feb. 11, 1936.
Floor mats and floor coverings, Automobile. Paine & Williams Company. 334,617; May 5.
Metal coated fabrics. Carborundum Company. 334,473; May 5; Serial No. 365,511; published Feb. 18, 1936.
Textile fabrics, Waterproofed. Plottel Brothers. 334,415; May 5; Serial No. 372,025; published Feb. 11, 1936.

LIST OF LABELS

Ballo. For Canned Dog Food. Coast Fishing Co. 47,461; May 5.
Best Wear Comfort Footwear. For Footwear. Worcester Paper Box Manufacturing Co. 47,473; May 5.
C. C. M. Matched Set. For Skates, Shoes, and Boots. Canada Cycle & Motor Company. 47,452–3; May 5.
Earles Beautiful Shoes. For Shoes. M. B. Claff & Sons, Inc. 47,456; May 5.
Fibber McGee—A Hilarious Party Game. For an Indoor Game. Milton Bradley Company. 47,449; May 5.
G-Men. For Casting Sets. Home Foundry Mfg. Co. 47,468; May 5.
Graceful Arch. For Cartons. Bird & Son, Inc. 47,447; May 5.
Hialeah Sandal. For Sandals. M. B. Claff & Sons, Inc. 47,455; May 5.
Johnson's Paste Wood Filler. For a Paste Wood Filler. S. C. Johnson & Son, Inc. 47,464; May 5.
Kemp's Dunkies. For Molasses Pop Corn. E. F. Kemp, Inc. 47,465; May 5.
King Solomon. For Canned Pilchards. Coast Fishing Co. 47,460; May 5.
Lotto. For an Indoor Game. Milton Bradley Company. 47,448; May 5.

Mayo Bros. For Dentifrices. Mayo Bros. Laboratories. 47,467; May 5.
Morwalk Shoes. For Shoes. M. B. Claff & Sons, Inc. 47,459; May 5.
Nu-Nails. For Artificial Finger Nails. Nu-Nail Company. 47,468; May 5.
Old Yorkshire. For Maryland Straight Rye Whiskey. W. P. Powers. 47,469; May 5.
Plumite. For a Solvent for Cleaning Drain Pipes and Plumbing Fixtures. Dearborn Chemical Company. 47,462; May 5.
Ramsay's. For Blended Scotch Type Whisky. W. P. Powers. 47,470; May 5.
Senior Combination Board—Plays Fourteen Games. For an Indoor Game. Milton Bradley Company. 47,451; May 5.
Spotlight Sandals. For Sandals. M. B. Claff & Sons, Inc. 47,458; May 5.
Standard Size Staples. For Staples. Markwell Mfg. Co. Inc. 47,466; May 5.
Stewarts Private Blend. For Coffee. Stewart & Ashby Coffee Co. 47,472; May 5.
Swanshrunk. For Bleaches, Dyes, and Finishes. Standard Bleachery and Printing Co. 47,471; May 5.
The Last Word Sportster. For Shoes. M. B. Claff & Sons, Inc. 47,457; May 5.
Tiddledy Winks. For an Indoor Game. Milton Bradley Co. 47,450; May 5.
W. L. Douglas "America's Best Known Shoe". For Shoes M. B. Claff & Sons, Inc. 47,454; May 5.

LIST OF PRINTS

1177E. For Dental Cream. Kolynos Company. 15,684; May 5.
How Much Do You Really Know About Your Baby? For Wheat Breakfast Food. Cream of Wheat Corporation. 15,683; May 5.
Unusual Value $5 to $6. For Shoes. Nunn-Bush Shoe Company. 15,686; May 5.
Young Men Take Their Hats Off to This Shoe. For Shoes. Nunn-Bush Shoe Company. 15,685; May 5.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 5TH DAY OF MAY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Campbell, Francis E. (See Marshall, James H., assignor.)
Coleman, Thomas A., Carbondale, Pa. Gas burner. 19,959; May 5.
Friedrich, Walter, Troisdorf, Germany. Manufacturing nitrous oxide. 19,953; May 5.
Girard Manufacturing Company, The. (See Smith, Anthony N., assignor.)
Holmes, Morris P., Claremont, N. H., assignor, by mesne assignments, to Sullivan Machinery Company. Explosionproof mining apparatus. 19,954; May 5.
Marshall, James H., assignor to F. E. Campbell, Hamlet, N. C. Hat brim protector. 19,955; May 5.
Rieke Metal Products Corporation. (See Rieke, Theodore W., assignor.)
Rieke, Theodore W., Auburn, Ind., assignor to Rieke Metal Products Corporation. Fitting for containers. 19,956; May 5.
Smith, Anthony N., assignor, by mesne assignments, to The Girard Manufacturing Company, Girard, Pa. Transformer. 19,957; May 5.
Sullivan Machinery Company. (See Holmes, Morris P., assignor.)
Wood, Henry A. Wise, assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Quick change splicing device. 19,958; May 5.
Wood Newspaper Machinery Corporation. (See Wood, Henry A. Wise., assignor.)

LIST OF DESIGN PATENTEES

Aibel, Samuel H., New York, N. Y. Knitted pile fabric. 99,493; May 5.
Aibel, Samuel H., New York, N. Y. Knitted pile fabric. 99,494; May 5.
American Tap-Bush Company. (See Rice, Frank E., assignor.)
Andrews, Jerome E., Andover, Mass. Shoe. 99,495; May 5.
Arrow Manufacturing Company. (See Guttman, John, assignor.)
Baer & Wilde Co., The. (See Howard, Viola T., assignor.)
Barker Bros. Incorporated. (See Pumphrey, Marshall C., assignor.)
Birch, William T., Chicago, Ill. Valve. 99,538; May 5.
Bodine, Walton M., and W. C. Marshall, Kansas City, Mo. Display rack. 99,539; May 5.
Bowen, William F., North Attleboro, Mass., assignor to Evans Case Company. Combined cigarette case and lighter or the like. 99,496; May 5.
Bradley, Everett, Haverhill, Mass. Shoe. 99,497; May 5.
Busch, J., Inc. (See Ellerstein, Bernard, assignor.)
Central Glass Works. (See Hutchison, James A., assignor.)
Chenoweth, Raymond A., Arlington, Mass. Shoe. 99,540; May 5.
Cleverly, William, West New York, N. J. Textile fabric or similar article. 99,498; May 5.
Creed, Bennett C., Hinsdale, Ill. Laundry bag. 99,499; May 5.
Dean, Arthur F., Winnetka, assignor to Stewart-Warner Corporation, Chicago, Ill. Grease gun rack. 99,541; May 5.
Dean, Arthur F., Winnetka, assignor to Stewart-Warner Corporation, Chicago, Ill. Grease gun rack. 99,542; May 5.
Dean, Arthur F., Winnetka, assignor to Stewart-Warner Corporation, Chicago, Ill. Grease gun rack. 99,559, May 5.
Devore, Robert W., Chicago, Ill. Combined air conditioning and circulating fan. 99,500; May 5.
Devore, Robert W., Chicago, Ill. Combined air conditioning and circulating. 99,501; May 5.
Downs, Marwood A., assignor to Ontario Manufacturing Company, Muncie, Ind. Spoon or other article of flatware. 99,502; May 5.
Ellerstein, Bernard, assignor to J. Busch, Inc., New York, N. Y. Fork or other article of flatware. 99,503; May 5.
Estate Stove Company, The. (See Kahn, Bertrand B., assignor.)
Evans Case Company. (See Bowen, William F., assignor.)
Evans Case Company. (See Reilly, Alfred F., assignor.)
General Motors Corporation. (See Reynolds, Carl, Jr., assignor.)
Geroux, Harvey, Los Angeles, Calif. Mold for lamb patties or the like. 99,543; May 5.
Githens, Otto W., and G. Kende, assignors to Universal Camera Corporation, New York, N. Y. Camera or similar article. 99,544; May 5.
Goldberg, Edward S., Philadelphia, Pa. Glider. 99,504; May 5.
Goodkind, Leo, Woodmere, N. Y. Shoe. 99,505; May 5.
Goodman, Robert, and C. Nabelle, New York, N. Y. Match cover. 99,506; May 5.
Greuter, Emil, Zurich, Switzerland. Display stand for food or similar article. 99,560; May 5.
Guttman, John, Brooklyn, N. Y., assignor to Arrow Manufacturing Company, Inc., Hoboken, N. J. Display container for jewelry or similar articles. 99,545; May 5.
Halsam Products Company. (See Paulson, Nils I., assignor.)
Hettrick Manufacturing Company, The. (See Smith, Milton B., assignor.)
Hickok Manufacturing Company. (See Manning, Daniel T., assignor.)
Hickok Manufacturing Company. (See Mix, Edwin S., assignor.)
Honeyman, William A., San Anselmo, Calif. Collection box for sales tax. 99,561; May 5.
Howard, Viola T., Sayleaville, R. I., assignor to The Baer & Wilde Co., Inc. Cuff link. 99,507; May 5.
Hudspeth, George T., Dallas, Tex. Gasoline dispensing pump. 99,546; May 5.
Hunt, Landren B., et al. (See Sterling, Marion A., assignor.)
Hutchison, James A., Chicago, Ill., assignor to Central Glass Works, Wheeling, W. Va. Sham pilsener tumbler or similar article. 99,508; May 5.
Imperial Desk Company. (See Talbert, Benjamin H., assignor.)
Jacobs, Sol J., assignor to Libby, McNeill & Libby, Chicago, Ill. Liquid dispenser. 99,509; May 5.
Jandus, Herbert S., and B. M. Short, Detroit, Mich. Bumper or similar article. 99,547; May 5.
Johnson, Gustave A., Weymouth, assignor to New England Bedding Company, Medford, Mass. Combination back and arm rest for a couch or similar article of furniture. 99,562; May 5.
Kahn, Bertrand B., Cincinnati, assignor to The Estate Stove Company, Hamilton, Ohio. Heater. 99,510; May 5.
Kende, George. (See Githens, O. W., and Kende.)
Kimball, Ranch S., Salt Lake City, Utah. Advertising sign. 99,548; May 5.
Klein, Bernard G., Chicago, Ill. Decorative waterproof covering for cleaner cans and soap flake boxes. 99,549; May 5.
Laurie, William S., Flushing, N. Y. Buckle. 99,511; May 5.
LeClercq, Raymond, Los Angeles, Calif. Battery box. 99,512; May 5.
LeClercq, Raymond, Los Angeles, Calif. Battery box. 99,513; May 5.
LeClercq, Raymond, Los Angeles, Calif. Battery box. 99,514; May 5.
Lesti, Geno, Cleveland, Ohio. Can opener. 99,515; May 5.
Libby, McNeill & Libby. (See Jacobs, Sol J., assignor.)
Lowenfels, Albert, White Plains, N. Y. Butter dish. 99,516; May 5.
Manning, Daniel T., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt for personal wear. 99,517; May 5.
Marshall, Walter C. (See Bodine, W. M., and Marshall, assignors.)
Meyer, Samuel J., New York, N. Y. Shoe. 99,518; May 5.
Meyers, Wallace E., New York, N. Y. Glove. 99,566; May 5.
Mix, Edwin S., assignor to Hickok Manufacturing Company, Rochester, N. Y. Initial or other character bearing holder. 99,519; May 5.
Moores, Arnold R., et al. (See Sterling, Marion A., assignor.)

Nabelle, Charles. (See Goodman, R., and Nabelle.)
New England Bedding Company. (See Johnson, Gustave A., assignor.)
Onondaga Silk Company. (See Vogelman, Philip A., assignor.)
Ontario Manufacturing Company. (See Downs, Marwood A., assignor.)
Paulson, Nils I., assignor to Halsam Products Company, Chicago, Ill. Toy building log. 99,550; May 5.
Pedlar, Sylvia S., New York, N. Y. Nightgown. 99,551; May 5.
Pumphrey, Marshall C., assignor to Barker Bros. Incorporated, Los Angeles, Calif. Bedstead. 99,520; May 5.
Reilly, Alfred F., North Attleboro, Mass., assignor to Evans Case Company. Flashlight or the like. 99,521; May 5.
Reynolds, Carl, Jr., assignor to General Motors Corporation, Detroit, Mich. Storage battery case. 99,552; May 5.
Rice, Frank E., assignor to American Tap-Bush Company, Detroit, Mich. Tap or similar article. 99,522; May 5.
Richardson Company, The. (See Rieser, Oliver O., assignor.)
Richmond School Furniture Co. (See Spencer, William F., 3rd., assignor.)
Rieser, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Storage battery case. 99,523; May 5.
Rosenfeld, Lawrence, New York, N. Y. Lamp. 99,524; May 5.
Schmitt, William H., St. Paul, Minn. Hair curler. 99,563; May 5.
Schridde, Helen L., Philadelphia, Pa. Paper file. 99,525; May 5.
Seeburg, Noel M., Chicago, Ill., W. N. Woodruff, and J. A. Shelley, Houston, Tex. Parking meter. 99,553; May 5.
Shelley, James A. (See Seeburg, N. M., Woodruff, and Shelley.)
Short, Bladen M. (See Jandus, H. S., and Short.)
Slaymaker Lock Co., The. (See Slaymaker, Samuel C., assignor.)
Slaymaker, Samuel C., assignor to The Slaymaker Lock Co., Lancaster, Pa. Padlock. 99,554; May 5.
Smith, Maurice A., Jeannette, Pa. Combined baking and serving dish or similar article. 99,555; May 5.
Smith, Milton B., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Glider frame. 99,526; May 5.
Smith, Milton B., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Armchair. 99,556; May 5.
Smith, Milton B., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Chair. 99,557; May 5.
Sollmann, Carl P., Montclair, N. J. Toy wagon or similar article. 99,527; May 5.
Spánel, Abraham N., Rochester, N. Y. Baby pants. 99,528; May 5.
Spánel, Abraham N., Rochester, N. Y. Latex pants. 99,529; May 5.
Spencer, William F., 3rd., assignor to Richmond School Furniture Co., Muncie, Ind. Chair. 99,530; May 5.
Stein, Sara, Brooklyn, N. Y. Brassière vest. 99,534; May 5.
Sterling, Marion A., assignor of one-third to A. R. Mooers and one-third to L. B. Hunt, Kansas City, Mo. Beverage container. 99,531; May 5.
Stewart-Warner Corporation. (See Dean, Arthur F., assignor.)
Stone, Karl M., Merrick, N. Y. Shoe. 99,532; May 5.
Straus, Mitteldorfer, Richmond, Va. Dish or similar article. 99,533; May 5.
Straus, Mitteldorfer, Richmond, Va. Dish or similar article. 99,558; May 5.
Talbert, Benjamin H., assignor to Imperial Desk Company, Evansville, Ind. Desk. 99,564; May 5.
Talbert, Benjamin H., assignor to Imperial Desk Company, Evansville, Ind. Table. 99,565; May 5.
Universal Camera Corporation. (See Githens, O. W., and Kende, assignors.)
Vogelman, Philip A., assignor to Onondaga Silk Company, Inc., New York, N. Y. Textile fabric. 99,535; May 5.
Wales, Burton L., Abington, Mass. Shoe or similar article. 99,536; May 5.
Weinrub, Israel, New York, N. Y. Curtain fabric. 99,537; May 5.
Woodruff, William N. (See Seeburg, N. M., Woodruff, and Shelley.)

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 5TH DAY OF MAY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aalborg, Christian, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit controlling apparatus. 2,039,376; May 5.
Abbott, Edward J., assignor to Abbott Machine Company, Wilton, N. H. Drying fibrous masses. 2,039,285; May 5.
Abbott Machine Company. (See Abbott, Edward J., assignor.)
Adair, Clark W., Imperial, Calif. Oscillating clothes washer. 2,039,508; May 5.
Adams, Elmer W., Hammond, Ind., and G. W. Flint, assignors to Standard Oil Company, Chicago, Ill. Hard water soluble oil. 2,039,377; May 5.
Adams, Royal E., assignor to E. Pederson, Los Angeles, Calif., as trustee. Electric brake mechanism for auto trucks and trailers. 2,039,509; May 5.
Adams, Thomas E., Derby, N. Y. Hoist. 2,039,870; May 5.
Adler, Benjamin, Whitestone, N. Y., assignor to Radio Corporation of America. Synchronizing system. 2,039,869; May 5.
Adler, Herman G. (See Darnell, R. C., and Adler.)
Ainsworth Manufacturing Company. (See Potter, Albert T., assignor.)
Air Reduction Company, Inc. (See Ost, W. R., and Hughey, assignors.)
Air-Zone Stoker Company. (See MacNerland, William, assignor.)
Albers, Heinrich, assignor to Schloemann Aktiengesellschaft, Dusseldorf, Germany. Hydraulic press for extruding metal rods or tubes. 2,039,947; May 5.
Alden, Milton. Brockton, Mass. Vacuum tube socket. 2,039,871; May 5.
Aldine Corporation, The. (See Wahl, John C., assignor.)
Aldrich, Charles H., Elizabeth, N. J., assignor, by mesne assignments, to The American Metal Company, Limited, New York, N. Y. Stool to support molds for casting metal. 2,039,872; May 5.
Allis-Chalmers Manufacturing Company. (See Strehlow, Walter F., assignor.)
Alther, Joseph G., assignor to Universal Oil Products Company, Chicago, Ill. Conversion of hydrocarbon oils. 2,039,879; May 5.
Amco Incorporated. (See Geer, Paul L., assignor.)
American Can Company. (See Nordquist, R. E. J., and Le Frank, assignors.)
American Can Company. (See Rooney, Walter E., assignor.)
American Can Company. (See Young, John M., assignor.)
American Chain Company. (See Williams, Charles G., assignor.)
American Enka Corporation. (See Bouhuys, Aleidus G., asignor.)
American Laundry Machinery Company, The. (See Vetorino, Frank, assignor.)
American Lecithin Company. (See Rewald, Bruno A., assignor.)
American Magnesium Metals Corporation. (See Hansgirg, Fritz, assignor.)
American Metal Company, Ltd., The. (See Aldrich, Charles H., assignor.)
American Sales Book Company. (See Larkin, Charles W., assignor.)
American Seating Company. (See Morgan, Erving B., assignor.)
American Seating Company. (See Morgan, E. B., and Nuberg, assignors.)
American Stove Company. (See Meacham, Benjamin E., assignor.)
American Tar Products Co. (See Rhodes, Edmund O., assignor.)
American Telephone and Telegraph Company. (See Green, E. I., and Tidd, assignors.)
American Telephone and Telegraph Company. (See Henderson, Oliver, assignor.)
American Telephone and Telegraph Company. (See Radcliff, J. P., and Edwards, assignors.)
American Valve & Enameling Corporation. (See Wulf, Charles A., assignor.)
Anchor Cap & Closure Corporation. (See Von Till, Louis A., assignor.)
Andersen, Andrew C., and B. H. Bowlus, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Coach latch. 2,039,873; May 5.
Anderson, Charles J., Jr., Jamestown, N. Y. Power transmission. 2,039,378; May 5.
Anderson, Howard P., Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Marine stoker. 2,039,286; May 5.
Anderson, Howard P., Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Blast feed stoker. 2,039,380; May 5.
Anderson, Jesse I., assignor to J. I. Holcomb Mfg. Co., Indianapolis, Ind. Double end mop type brush. 2,039,510; May 5.
Andrews, Charles W. (See Petersen, R. S., and Andrews.)
Andrews, Charles W., Chicago, Ill., and R. S. Petersen, San Antonio, Tex., assignors to Brassert-Tidewater Development Corporation, Chicago, Ill. Coking liquid hydrocarbons. 2,039,763; May 5.
Anthracite Devices Corporation. (See Johnson, A. J., and Mulcey, assignors.)
Anthracite Heat Appliance Corporation. (See Johnson, Allen J., assignor.)
Armour and Company. (See Ralston, A. W., and Christensen, assignors.)
Arnold, Pearl C., West Hanover, assignor, by mesne assignments, to Barbour Welting Company, Brockton, Mass. Felting and shoemaking therewith. 2,039,287; May 5.
Aro Equipment Corporation. (See Carter, John F., assignor.)
Associated Telephone Utilities Company. (See Collins, R. D., Reid, and Bourne, assignors.)
Atlantic Refining Company, The. (See Geniesse, J. C., and Reuter, assignors.)
Atlantic Refining Company, The. (See Peterkin, Albert G., Jr., assignor.)
Austin, Herbert. Bromsgrove, England. Change speed gear. 2,039,288; May 5.
Autographic Register Company. (See Borchers, William G., assignor.)
Automatic Burner Corporation. (See Schroeder, O. C., and Perry, assignor.)
Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Fruit and vegetable washer. 2,039,276; May 5.
Ayars Machine Company. (See Ayars, Charles H., assignor.)
Ayers, George W., Jr. (See Hyman, J., and Ayers.)
Ayers, George W., Jr., Chicago, Ill., assignor, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del. Treating hydrocarbon motor fuels and products resulting therefrom. 2,039,576; May 5.
Azzarello, August E. (See Biazzi, Salvatore, assignor.)
Babcock & Wilcox Company, The. (See Trainer, James E., assignor.)
Backstay Welt Company. (See Bisbop, Walter, assignor.)
Bacon, Nicholas, Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Reduction of viscosity of cellulose nitrate. 2,039,381; May 5.
Bade, Ervin O. (See Miller, A. D., and Bade.)
Baehr, Henry, Wisner, Nebr. Dough machine attachment. 2,039,277; May 5.
Bailey, Albert R., San Bernardino, Calif. Lubricator. 2,039,511; May 5.
Baker, Howard H., Buffalo, N. Y. Dehydrating compositions. 2,039,512; May 5.
Baker, William H., Des Moines, Iowa. Traction wheel units. 2,039,513; May 5.
Balduf, Bruno E., assignor to United States Gypsum Company, Chicago, Ill. Building construction and clip means therefor. 2,039,382; May 5.
Ball, Donald A. (See Mills, T. J., Quick, and Ball.)
Barbour Welting Company. (See Arnold, Pearl C., assignor.)
Barbour Welting Company. (See Vizard, William C., assignor.)
Barron, Anderson Company. (See Freda, V., Staffier, and Sunderland, assignors.)
Barth, John, Cleveland, Ohio, assignor, by mesne assignments, to The Robar Company. Receptacle. 2,039,764; May 5.
Batcheller, Clements, Glens Falls, N. Y. Forming sheet products. 2,039,619; May 5.
Battegay, Martin, Mulhouse, France, assignor to The Calco Chemical Company, Inc., Bound Brook, N. J. Preparation of the ether hydrochlorides of pseudourea. 2,039,514; May 5.
Bauer, David M. (See Birdsell, D. C., and Bauer.)
Bayer, Leo J., St. Louis, Mo. Boiler cleaner. 2,039,874; May 5.
Beacom, Robert. (See Hoisington, C. H., and Beacom.)
Bear, Joseph S., assignor of one-third to E. Schreiber, Detroit, Mich. Towel holder. 2,039,620; May 5.
Beauchemin, Alphonse O., New York, N. Y. Rotary pump. 2,039,698; May 5.
Beaumont Birch Company. (See Weniger, Joseph K., assignor.)
Beetem, Frank G., assignor to The Electric Storage Battery Company, Philadelphia, Pa. Electrical signaling device. 2,039,765; May 5.

Belinke, Guy E., assignor to Reed Roller Bit Company, Houston, Tex. Apparatus for pumping deep wells. 2,039,621; May 5.

Bell & Howell Company, The. (See Howell, Albert S., assignor.)

Bell Telephone Laboratories, Incorporated. (See Blount, Nelson, assignor.)

Bell Telephone Laboratories, Incorporated. (See Burton, Everett T., assignor.)

Bell Telephone Laboratories, Incorporated. (See Burwell, John A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Cesareo, Orfeo, assignor.)

Bell Telephone Laboratories, Incorporated. (See Dimond, Thomas L., assignor.)

Bell Telephone Laboratories, Incorporated. (See Ferguson, James G., assignor.)

Bell Telephone Laboratories, Incorporated. (See Gleason, D. H., and Redmond, assignors.)

Bell Telephone Laboratories, Incorporated. (See Massonneau, Robert F., assignor.)

Bell Telephone Laboratories, Incorporated. (See Mendenhall, Hallam E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Stokely, Ray L., assignor.)

Beloit Iron Works. (See Darby, James K., assignor.)

Benda, Louis, Frankfort-on-the-Main, and O. Sievers, Frankfort-on-the-Main, Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Compounds of the acridinium series and preparing them. 2,039,577; May 5.

Bendix Aviation Corporation. (See Koch, Paul W., assignor.)

Bennett, Morris H., Prospect, assignor to Scovill Manufacturing Company, Waterbury, Conn. Condenser. 2,039,622; May 5.

Bennett, Morris H., Prospect, assignor to Scoville Manufacturing Company, Waterbury, Conn. Condenser. 2,039,623; May 5.

Bennington, Earl T., Cleveland Heights, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio. Automatic dispatch and discharge system. 2,039,473; May 5.

Benson, Carl N., Jenkintown, Pa., assignor to S K F Industries, Inc., Philadelphia, Pa. Tension pulley for tape drives in textile machinery. 2,039,875; May 5.

Bergeron, Rodolphe, St. Paulin, assignor of one-half to J. McMurray, St. Alexis des Monts, Quebec, Canada. Inflated mattress. 2,039,289; May 5.

Berl, Ernst, Pittsburgh, Pa. Production of highly acetylated cellulose acetates. 2,039,290; May 5.

Berning, Otto, & Co. (See Kliefit, Heinz, assignor.)

Besinger, Ollie L., Chicago, Ill. Boiler. 2,039,515; May 5.

Best, Millard W., Hamilton, Ontario, Canada. Combined air circulator and draft regulator for hot air furnaces. 2,039,948; May 5.

Biazzi, Salvatore, assignor of one-half to A. E. Azzarello, San Jose, Calif. Adjustable finger bar for shear machines. 2,039,699; May 5.

Bickel, Clifford A., assignor to The Monarch Machine Tool Company, Sidney, Ohio. Automatic lathe. 2,039,876; May 5.

Bigelow, Bryant, Boston, Mass. Liquid dispensing device. 2,039,624; May 5.

Billings, Edmund, Weston, and H. H. Offutt, Winchester, assignors to Godfrey L. Cabot, Inc., Boston, Mass. Granules of agglomerative powders. 2,039,766; May 5.

Bilodeau, Frank, Montreal, Quebec, Canada. Insole. 2,039,767; May 5.

Bird, Benjamin F., Highland Park, Ill. Vegetable hydrating apparatus. 2,039,768; May 5.

Bird, Benjamin F., Kenilworth, Ill. Apparatus for hydrating. 2,039,769; May 5.

Birdsell, David C., Enfield, and D. M. Bauer, Norristown, Pa. Display device. 2,039,770; May 5.

Bishop, Frank, Los Angeles, Calif. Forming rakes, forks, and the like. 2,039,771; May 5.

Bishop, Walter, Detroit, Mich., assignor to Backstay Welt Company, Union City, Ind. Finishing strip. 2,039,877; May 5.

Black, Harry L., assignor of one-half to A. R. Fletcher, Toronto, Ontario, Canada. Apparatus for indicating a nonoperative condition of vehicle lights. 2,039,516; May 5.

Black, William A., Montclair, N. J., assignor to Fairchild Aerial Camera Corporation, Woodside, N. Y. Focal plane shutter. 2,039,517; May 5.

Blanchard, Lloyd H., Barre, Mass. Cleaning and massage device for dental purposes. 2,039,278; May 5.

Blanchette, Emma B. (See Wayne, Thomas E., assignor.)

Blaw-Knox Company. (See Chandler, Willard P., Jr., assignor.)

Blount, Eugene B. A., Athens, Ga. Polishing wheel. 2,039,578; May 5.

Blount, Nelson, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 2,039,625; May 5.

Blumenstock, Louis, Brooklyn, N. Y. Shirt envelope. 2,039,383; May 5.

Blumenstock, Louis, Brooklyn, N. Y. Shirt envelope. 2,039,384; May 5.

Bock, Louis H. (See Powers, D. H., and Bock.)

Bolender, Augustus B., Muncie, Ind., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Hardness tester. 2,039,579; May 5.

Bombrun, Mathieu J. A., Paris, France. Rolling device for films. 2,039,949; May 5.

Bonhomme, Jacques R., Montreal, Quebec, Canada. Container and closure therefor. 2,039,385; May 5.

Borchers, William G., assignor to Autographic Register Company, Hoboken, N. J. Manifolding machine. 2,039,700; May 5.

Borders, Bee, Springfield, Vt. Bowling alley and repairing same. 2,039,580; May 5.

Borg-Warner Corporation. (See Bolender, Augustus B., assignor.)

Borst, Andrew J., Jr., Buffalo, N. Y. Rubber products and producing the same. 2,039,386; May 5.

Bosch, Robert, Aktiengesellschaft. (See Klingler, Emil, assignor.)

Bouhuys, Aleidus G., assignor to American Enka Corporation, Enka, N. C. Treatment of artificial silk filaments. 2,039,279; May 5.

Bourne, Stanley E. (See Collins, R. D., Reid, and Bourne.)

Bowen, S. R., Company. (See Phipps, John T., assignor.)

Bowlus, Benjamin H. (See Andersen, A. C., and Bowlus.)

Boykow, Johann M., Berlin-Lichterfelde, Germany. Apparatus for finding the course along any definite great circle. 2,039,878; May 5.

Bradley, Milton, Company. (See Clark, Edward O., Jr., assignor.)

Braselton, Chester H., New York, N. Y., assignor to Sirian Lamp Company, Newark, N. J. Electric radiation device. 2,039,772; May 5.

Braselton, Chester H., New York, N. Y., assignor to Sirian Lamp Company, Newark, N. J. Incandescent electric lamp. 2,039,773; May 5.

Brassert, H. A., & Company. (See Seaver, J. J., Dougan, and Wetherbee, assignors.)

Brassert-Tidewater Development Corporation. (See Andrews, C. W., and Petersen, assignors.)

Brassert-Tidewater Development Corporation. (See Petersen, R. S., and Andrews, assignors.)

Breth, Walter J., assignor to The General Tire & Rubber Company, Akron, Ohio. Bead wrapping machine. 2,039,627; May 5.

Brett, Stanley R., London, England. Pedal actuated means for pianos for operating simultaneously two keys. 2,039,518; May 5.

Briggs Manufacturing Company. (See Tjaarda, John, assignor.)

Bright, Incorporated. (See Bright, Martin C., assignor.)

Bright, Martin C., assignor to Bright, Incorporated, Indianapolis, Ind. Miner's separating apparatus. 2,039,291; May 5.

Britton, Edgar C. (See Putnam, M. E., Britton, and Perkins.)

Brogden, Ernest M., Pomona, Calif., assignor to Brogdex Company, Winter Haven, Fla. Apparatus for treating fruit and the like. 2,039,280; May 5.

Brogdex Company. (See Brogden, Ernest M., assignor.)

Brooks, Raymond K., Unionville, Conn., assignor to Chas. W. House & Sons. Polishing roll. 2,039,677; May 5.

Brown, Charles S., and T. A. Delaney, Syracuse, N. Y. Fence construction. 2,039,879; May 5.

Brown Company. (See Burke, E., and Sherman, assignors.)

Brown, David, Chicago, Ill. Doorbell switch. 2,039,581; May 5.

Brown, Grant R., Sunbury, Pa. Egg breaker. 2,039,678; May 5.

Brown, Joseph F., assignor of one-half to H. M. Stanley, New York, N. Y. Propeller device. 2,039,628; May 5.

Brown and Sharpe Manufacturing Company. (See Rich, Charles A., assignor.)

Bruestle, Armin O. (See Stenger, E. P., and Bruestle.)

Brunette, Joseph W., Detroit, Mich. Curb and fender locator. 2,039,474; May 5.

Bruson, Herman A., Elkins Park, assignor to Röhm & Haas Company, Philadelphia, Pa. Phenolic morpholines. 2,040,039; May 5.

Bryan, Henry B., and A. D. Capehart, Oxford, N. C. Filter. 2,039,281; May 5.

Bryson, Charles G., assignor to Erie Restaurant Equipment Company, Erie, Pa. Door structure. 2,039,774; May 5.

Brunt & Company. (See Watkins, James R., assignor.)

Bruson, Herman A., Elkins Park, assignor to Röhm & Haas Company, Philadelphia, Pa. Morpholino-metho polyhydric phenols. 2,040,040; May 5.

Budd, Edward G., Manufacturing Company. (See Ledwinka, Joseph, assignor.)

Budd, Edward G., Manufacturing Company. (See Tarbox, John P., assignor.)

Bull, Francis A., Milwaukee, Wis. Amalgam filling for teeth. 2,039,880; May 5.

Bulldog Electric Products Company. (See Frank, Harrison J. L., assignor.)

Burdick, Charles L., London, England. Hygroscopic apparatus. 2,039,292; May 5.

Burgess, C. F., Laboratories, Inc. (See Jack, William A., 3d, assignor.)

Burgess, Edward W., assignor to A. O. Smith Corporation, Milwaukee, Wis. Metal sealing cap for road parting strips. 2,039,775; May 5.

Burke, Edmund, Portland, and J. C. Sherman, Gorham, Me., assignors to Brown Company, Berlin, N. H. Multiple conduit section. 2,039,387; May 5.

Burke, John F., assignor, by mesne assignments, to Da-Burk Holding Corporation, Miami, Fla. Vending machine. 2,039,282; May 5.

Burke, Ralph, Springfield, assignor to The Ohio Steel Foundry Company, Lima, Ohio. Return bend fitting. 2,039,388; May 5.

Burton, Everett T., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telegraph repeater. 2,039,629; May 5.

Burwell, John A., Jackson Heights, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective switch. 2,039,630; May 5.

Busch, Emil, Aktiengesellschaft, Optische Industrie, firm. (See Ursinus, Otto, assignor.)

Bush, Rankin J., Jeannette, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake controlling means. 2,039,701; May 5.

Buskard, Samuel G., Richmond Hill, N. Y. Stoker. 2,039,389; May 5.

Byers, Frederick D., Cullercoats, assignor of one-half to C. Crofton and Company (Engineers) Limited, Newcastle-on-Tyne, England. Oscillatory gear. 2,039,679; May 5.

Byers, Frederick D., Cullercoats, assignor of one-half to C. Crofton and Company, (Engineers) Limited, Wallsend-on-Tyne, England. Percussive tool. 2,039,680; May 5.

Cabot, Godfrey L., Inc. (See Billings, E., and Offutt, assignors.)

Calahan, William W. (See Neats, C. P., and Calahan.)

Calco Chemical Company, The. (See Battegay, Martin, assignor.)

Calkins, Raymond M., Deerfield, and J. W. Swank, Chicago, Ill. Building construction. 2,039,293; May 5.

Callaghan, George H., et al. (See Fricker, Carl J., assignor.)

Cambridge Rubber Co. (See Dunbar, Ernest W., assignor.)

Campbell, Clarence L., Bourbonnais, Ill. Weeder. 2,039,702; May 5.

Campbell, John C., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Automatic manual control subordinator for tracer controlled machines. 2,039,294; May 5.

Campbell, John W., Los Angeles, Calif. Flexuously compacted conductors. 2,039,475; May 5.

Cannity, Ernest, assignor to The James Hunter Machine Company, North Adams, Mass. Fulling mill. 2,039,882; May 5.

Capehart, Ashbourne D. (See Bryan, H. B., and Capehart.)

Carleton, Paul W., Pennsgrove, and E. L. Mattison, Carney's Point, N. J., assignors to E. I. Du Pont de Nemours & Company, Wilmington, Del. Preparation of monoalkyl-naphthylamines. 2,039,390; May 5.

Carleton, Paul W., Pennsgrove, and E. L. Mattison, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Partial dealkylation of dialkyl aromatic amines. 2,039,391; May 5.

Carlson, Ellsworth E., Saratoga Springs, assignor to Van Raalte Company, New York, N. Y. Making shaped hosiery. 2,039,283; May 5.

Carroll, Cleveland L., Owosso, Mich. Boat propelling mechanism. 2,039,392; May 5.

Carter, John F., assignor to The Aro Equipment Corporation, Bryan, Ohio. Power unit for individual lubricant guns. 2,039,881; May 5.

Carter, Philip S., Port Jefferson, N. Y., assignor to Radio Corporation of America. Antenna heating. 2,039,295; May 5.

Caton, Maurice L., White Plains, assignor to The Patent and Licensing Corporation, New York, N. Y. Weatherproofing shingles or like articles. 2,039,776; May 5.

Cesareo, Orfeo, Washington Township, Bergen County, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Test circuit. 2,039,631; May 5.

Chadkin, Jason A., Brooklyn, N. Y., assignor to Radio Corporation of America. Radio receiver control. 2,039,777; May 5.

Champlin, Franklin J., Dalton, Mass., assignor to General Electric Company. Contact making voltmeter. 2,039,632; May 5.

Chance, Wilbur E., Chicago, Ill. Motor car control. 2,039,582; May 5.

Chandler, Willard P., Jr., assignor to Blaw-Knox Company, Pittsburgh, Pa. Apparatus for effecting intimate contact between liquids and gases. 2,039,950; May 5.

Charch, William H., and C. E. Coleman, Buffalo, assignors to Du Pont Cellophane Company, Inc., New York, N. Y. Casting method and apparatus therefor. 2,039,883; May 5.

Chase, Kenneth, East Walpole, assignor to George Frost Company, Boston, Mass. Suspenders. 2,039,884; May 5.

Chatfield, Henry, Mount Vernon, N. Y. Combined mouth and nose guard. 2,039,681; May 5.

Cheatham Electric Switching Device Co. (See Quilliam, Samuel T., assignor.)

Chemical Construction Corporation. (See Hechenbleikner, Ingenuin, assignor.)

Chevillot, Alfred, Gargan Livry, France, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure braking apparatus. 2,039,703; May 5.

Chicago Tubing and Braiding Company. (See Debenedetti, Rodolfo, assignor.)

Chojnacki, Anthony, assignor of one-half to Joe Golenberg, Cleveland, Ohio. Vegetable grater. 2,039,778; May 5.

Christensen, Carl W. (See Ralston, A. W., and Christensen.)

Chunn, Con L., Phoenix, Ariz. Single dial all wave receiver. 2,039,885; May 5.

Cincinnati Milling Machine Co., The. (See Campbell, John C., assignor.)

Cincinnati Milling Machine Company, The. (See Romaine, M., and Roehm, assignors.)

Cincinnati Mine Machinery Company, The. (See Stenger, E. P., and Bruestle, assignors.)

Clardon Corporation. (See Eckstein, George R., assignor.)

Clark, Edward O., Jr., Longmeadow, assignor to Milton Bradley Company, Springfield, Mass. Combination crayon package and display container. 2,040,041; May 5.

Clark, Luther I., Hewlett, N. Y. Golf ball practice device. 2,039,633; May 5.

Clarke, Charles A., New York, and V. Wright, Queens Village; said Wright assignor to A. H. Roren, New York, N. Y. Beverage container. 2,039,704; May 5.

Clarke, Harris G. and H. C., Vicksburg, Miss. Convertible sent for motor vehicles. 2,039,682; May 5.

Clarke, Hugh C. (See Clarke, Harris G. and H. C.)

Clauberg, Herman P. (See Zuckerman, A. M., and Clauberg.)

Clay, Murray G., New York, N. Y., assignor to Radio Corporation of America. Heterodyne receiver radiation suppressor. 2,039,634; May 5.

Cleveland Crane & Engineering Company, The. (See Bennington, Earl T., assignor.)

Cocks, Ambrose W., assignor of one-half to M. H. Schaffer, Des Moines, Iowa. Press chamber controlling means. 2,039,951; May 5.

Cohn, Aaron, Philadelphia, Pa. Duct. 2,039,886; May 5.

Coleman, Clarence E. (See Charch, W. H., and Coleman.)

Collegiate Mfg. Co. (See Smutny, Theodore J., assignor.)

Colletti, Joseph J., Saranac Lake, N. Y. Waterproof purse. 2,039,887; May 5.

Collins, Harold F., assignor to H. D. Colman, Rockford, Ill. Sliding door. 2,039,296; May 5.

Collins, Ralph D., W. M. Reid, and S. E. Bourne, Los Angeles, Calif., assignors to Associated Telephone Utilities Company, Chicago, Ill. Pay station coin collecting system. 2,039,519; May 5.

Colman, Howard D. (See Collins Harold F., assignor.)

Colman, Howard D. (See Drake, George F., assignor.)

Continental Car-na-var Corporation. (See Smalley, Dave E., assignor.)

Coolidge, Joseph R., Brookline, and J. H. McCready, Newton, Mass., said McCready assignor to said Coolidge. Impregnating wood. 2,039,393; May 5.

Cooper, Ellis W., Los Angeles, Calif., assignor to James R. Kearney Corporation, St. Louis, Mo. Apparatus for connecting wires. 2,039,635; May 5.

Copelin, Leonard S., Los Angeles, Calif. Core drill. 2,039,520; May 5.

Cote, Charles H., assignor to J. F. Simpson, Orange, Mass. Holder. 2,039,779; May 5.

Cotter, George L., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake and door interlock device. 2,039,705; May 5.

Cottrell, C. B., & Sons Company. (See Eckhard, William K., assignor.)

Craig, Harley J. (See Wickersham, H. P., and Craig.)

Cramer, Stanley S., Haddon Heights, assignor to Radio Condenser Company, Camden, N. J. Helical gear and making the same. 2,039,706; May 5.

Cramer, Stanley S., Haddon Heights, assignor to Radio Condenser Company, Camden, N. J. Making a helical gear. 2,039,707; May 5.

Crane Co. (See Dopp, C. A., and Fennema, assignors.)

Crofton, Charles, and Company (Engineers) Limited. (See Byers, Frederick D., assignor.)

Crouch, Harold W., and E. C. Jewett, assignors to Eastman Kodak Company, Rochester, N. Y. Coloring of cellulosic solutions. 2,039,708; May 5.

Crowe, Thomas B. (See Mills, L. D., and Crowe.)

Crumrine, Chester W., assignor to Eastman Kodak Company, Rochester, N. Y. Adjustable lens mount. 2,039,709; May 5.

Cummins Perforator Company. (See Swanson, Hjalmar A., assignor.)

Cunnington, George R., assignor to The General Tire & Rubber Company, Akron, Ohio. Tractor lug. 2,039,521; May 5.

Curtis, Harry A., Knoxville, Tenn., assignor to Tennessee Valley Authority, Wilson Dam, Ala. Separating phosphorus. 2,039,297; May 5.

Curtiss Aerocar Company. (See Robinson, Harold H., assignor.)

Cutting, Fulton, Buffalo, N. Y. Radio receiver. 2,039,888; May 5.

Da-Bork Holding Corporation. (See Burke, John F., assignor.)

Daimler-Benz Aktiengesellschaft. (See Wagner, Max, assignor.)
Dalton, Emma C., Nashville, Tenn. Christmas tree ornament. 2,039,394; May 5.
Dalton, Henry G., London, and J. W. Smith, Richmond, assignors to Turner & Newall Limited, Rochdale, England. Coin freed vending machine. 2,039,395; May 5.
Dalynip Pouree Corp. (See Paul, Leon R., assignor.)
Darby, James E., Dayton, Ohio, assignor to Beloit Iron Works, Beloit, Wis. Paper making machinery. 2,039,780; May 5.
Darnell, Rex C., and H. G. Adler, assignors to Handy Governor Corporation, Detroit, Mich. Governor. 2,039,396; May 5.
Darol Rubber Company. (See Raiche, Paul A., assignor.)
Davidson, Glenn, Bloomington, Ill. Cigarette mouthpiece. 2,039,298; May 5.
Davis, S. H. (See Jackson, Clarence C., assignor.)
Dayton Synthetic Chemicals, Inc. (See Thomas, Charles A., assignor.)
Dean, Doris B. (executrix). (See Dean, William E., Jr.)
Dean, William E., Jr., deceased, Hamilton, Ontario, Canada, by D. B. Dean, executrix, Chautauqua, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,039,710; May 5.
De Banfre, William L., Lincoln, Nebr. Method and apparatus for cooling and drying moist gases. 2,039,889; May 5.
Debenedetti, Rodolfo, Turin, Italy, assignor to Chicago Tubing and Braiding Company, Maywood, Ill. Flexible metal tube. 2,039,781; May 5.
De Coster, Henri, Paris, France. Burner. 2,039,890; May 5.
DeHaas, Ira L., Hillsboro, Ohio. Traffic marker. 2,039,683; May 5.
De Land, John D. R., Anaheim, Calif. Orchard protective system. 2,039,522; May 5.
Delaney, Thomas A. (See Brown, C. S., and Delaney.)
DeLaval Separator Company, The. (See Hapgood, Cyrus H., assignor.)
DeLaval Separator Company, The. (See Jansson, Ernst T., assignor.)
DeLong Hook and Eye Company, The. (See Jurgensen, August P., assignor.)
DeLong Hook and Eye Company, The. (See O'Brien, James A., assignor.)
De Marco, Andrew, Des Moines, Iowa. Fruit jar holder. 2,039,891; May 5.
Desiter Concentrator Company, The. (See Weber, Don A., assignor.)
Detroit Lubricator Company. (See Norris, Harry B., assignor.)
Diamond Match Company, The. (See Nolan, John R., assignor.)
Dieterich, Francis L., Los Angeles, Calif. Pump construction. 2,039,583; May 5.
Dillon, Lyle, Los Angeles, and C. E. Swift, Glendale, assignors to Union Oil Company of California, Los Angeles, Calif. Dewaxing oil. 2,039,636; May 5.
Dimond, Thomas L., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric discharge device. 2,039,637; May 5.
Dixon, Paul H., Springfield, Ill. Drawing instrument. 2,039,584; May 5.
Dognin-Société Anonyme. (See Isaac, Augustin, assignor.)
Donnelly, John H., Elmhurst, N. Y. Closure. 2,039,952; May 5.
Donovan, John F. (See Fagan, J. T., Donovan, and Malloy.)
Dopp, Carl A., and R. Fennema, assignors to Crane Co., Chicago, Ill. Lubricated cock. 2,039,523; May 5.
Dostal, Joseph L., Flint, Mich., assignor to Eaton-Erb Foundry Company. Forming tappets. 2,039,397; May 5.
Doty, Howard R., Glenside, Pa. Game apparatus. 2,039,782; May 5.
Dougan, Charles E. (See Seaver, J. J., Dougan, and Wetherbee.)
Dougherty, Augustus P., Warren, and W. H. Stevens, Niles, Ohio. Ice can grid. 2,039,299; May 5.
Dow Chemical Company, The. (See Mills, Lindley E., assignor.)
Dow Chemical Company, The. (See Putnam, M. E., Britton, and Perkins, assignors.)
Dowlnsky, Samuel, New York, N. Y. Steam generator for forming and pressing devices. 2,039,892; May 5.
Drake, George F., assignor to H. D. Colman, Rockford, Ill. Control for air conditioning systems. 2,039,300; May 5.
Draper Manufacturing Company, The. (See Lees, H. W., and Grosser, assignors.)
Dreyfus, Henry, London, England. Production of artificial materials. 2,039,301; May 5.
Dreyfus, Henry, London, England. Artificial silk and other artificial products. 2,039,302; May 5.
Dreyfus, Henry, London, England. Manufacture of artificial materials. 2,039,303; May 5.
Dreyfus, Henry, London, England. Manufacture of acidylated aromatic amines. 2,039,304; May 5.
Dreyfus, Henry, London, England. Manufacture of acidylated aromatic amines. 2,039,305; May 5.
Dreyfus, Henry, London, England. Manufacture and treatment of artificial silk and the like. 2,039,306; May 5.
Dreyfus, Henry, London, England. Manufacture of artificial filaments, threads, ribbons, films, and other artificial products. 2,039,307; May 5.
Druge, Daniel O. and O. C., Oakland, Calif. Air inflator mechanism. 2,039,638; May 5.
Druge, Otto C. (See Druge, Daniel O. and O. C.)
Dual Parking Meter Company. (See Magee, Carl C., assignor.)
Dudley, William R., Rockford, Ill. Servicing device. 2,039,684; May 5.
Dunbar, Ernest W., Hudson, assignor to Cambridge Rubber Co., Cambridge, Mass. Snapless overshoe. 2,039,476; May 5.
Du Pont Cellophane Company. (See Church, W. H., and Coleman, assignors.)
Du Pont, E. I., de Nemours & Co. (See Bacon, Nicholas, assignor.)
Du Pont, E. I., de Nemours & Company. (See Carleton, P. W., and Mattison, assignors.)
Du Pont, E. I., de Nemours & Company. (See Larson, Alfred T., assignor.)
Dye, Edward R., Bozeman, Mont. Prestressed beam and method of manufacture. 2,039,398; May 5.
Eagle Glove & Garment Company. (See Lanmott, William A., assignor.)
Eastman Kodak Company. (See Crouch, H. W., and Jewett, assignors.)
Eastman Kodak Company. (See Crumrine, Chester W., assignor.)
Eastman Kodak Company. (See Fuller, Albert B., assignor.)
Eastman Kodak Company. (See Mannes, L. D., and Godowsky, assignors.)
Eastman Kodak Company. (See Nagel, August, assignor.)
Eastman Kodak Company. (See Sheppard, Samuel E., assignor.)
Eastman Kodak Company. (See Smith, Henry B., assignor.)
Eastman Kodak Company. (See Tuttle, Fordyce E., assignor.)
Eastman Kodak Company. (See Wittel, Otto, assignor.)
Eaton-Erb Foundry Company. (See Dostal, Joseph L., assignor.)
Ebeling, William B., Brooklyn, N. Y. Sanitary cabinet for house pets. 2,039,783; May 5.
Eckelmann, Alfred, and E. Koch, Frankfort-on-the-Main-Hoechst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Agents rendering textile materials fast to creasing. 2,039,524; May 5.
Eckert, Emil. (See Ficker, J., and Eckert.)
Eckhard, William K., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Sheet feed retarding mechanism for printing presses. 2,039,784; May 5.
Eckhard, William K., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Sheet feed retarding mechanism for printing presses. 2,039,785; May 5.
Eckstein, George R., assignor to Clardon Corporation, Buffalo, N. Y. Dirt indicator for lubricating oil. 2,040,042; May 5.
Eddy, George G., Manistee, and C. D. Van Patten, Flint, Mich.; said Van Patten, assignor to said Eddy. Planing boat. 2,039,585; May 5.
Eddy, George G., Manistee, and C. D. Van Patten, Flint, Mich.; said Van Patten, assignor to said Eddy. Planing boat. 2,039,586; May 5.
Eden, William H. (See Kister, Harry, assignor.)
Edgar, Mary A., Portland, Oreg. Egg boiling device. 2,039,477; May 5.
Edwards, Herbert C., assignor to Packard Motor Company, Detroit, Mich. Internal combustion engine. 2,039,525; May 5.
Edwards, Paul G. (See Radcliff, J. P., and Edwards.)
Ehrlich, Albert H., St. Joseph, Mo. Refrigerator display case. 2,039,685; May 5.
Einstein, Sol, Cincinnati, Ohio, assignor, by mesne assignments, to The Heald Machine Company, Worcester, Mass. Grinding machine and method. 2,039,711; May 5.
Electric and Musical Industries Limited. (See Osborne, Charles P., assignor.)
Electric Storage Battery Company, The. (See Beetem, Frank G., assignor.)
Emanueli, Luigi, Milan, Italy, assignor to Società Italiana Pirelli. Fluid filled electric cable system. 2,039,587; May 5.
Englis, John, Manhasset, N. Y. Vessel. 2,039,399; May 5.
Ensten, Louis H., Cleveland, Ohio. Knitted headwear. 2,039,478; May 5.
Equitable Paper Bag Co. (See Poppe, George W., assignor.)
Erie Restaurant Equipment Company. (See Bryson, Charles G., assignor.)
Ernst, Walter, Mount Gilead, Ohio, assignor, by mesne assignments, to The Hydraulic Press Corporation, Inc., Wilmington, Del. Control means for hydraulic press operating circuits. 2,039,893; May 5.
Evans, William P., Swinton, England. Extracting water from webs of pulp or paper. 2,039,308; May 5.
Fagan, John T., Cleveland Heights, J. F. Donovan, East Cleveland, and F. J. Malloy, University Heights, Ohio, assignors to General Electric Company. Electric lamp and mounting therefor. 2,039,953; May 5.
Fagley, Gilbert H., Pittsfield, Mass., assignor to General Electric Company. Bearing support. 2,039,400; May 5.

Failor, Charles W., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Signaling system. 2,039,639; May 5.
Fairchild Aerial Camera Corporation. (See Black, William A., assignor.)
Farch, Mogens N., Shaker Heights, assignor to The W. S. Tyler Company, Cleveland, Ohio. Elevator signal system. 2,039,479; May 5.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,039,712; May 5.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Empty and load brake. 2,039,713; May 5.
Fennell, Charles H., San Marino, and J. M. Main, Los Angeles, Calif. Automatic control apparatus. 2,039,526; May 5.
Fennema, Richard. (See Dopp, C. A., and Fennema.)
Ferguson, Arthur P., assignor to Lyon Cover Company, Detroit, Mich. Spare tire cover. 2,039,786; May 5.
Ferguson, James G., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching system. 2,039,640; May 5.
Fichtner, Edwin C., San Francisco, Calif. Immersion heater. 2,039,641; May 5.
Ficker, Johannes, and E. Eckert, Munich, Germany. Pencil sharpener. 2,039,687; May 5.
Field and Flint Co. (See Flint, Perley G., assignor.)
Finklestein, William. (See Freeman, Samuel, assignor.)
Fitzgerald, John R., Harlingen, Tex. Tomato grading and sizing machine. 2,039,688; May 5.
Fletcher, Arthur R. (See Black, Harry L., assignor.)
Flint, George W. (See Adams, E. W., and Flint.)
Flint, Hyland C., Grosse Pointe, Mich. Ironing table. 2,039,642; May 5.
Flint, Perley G., assignor to Field and Flint Co., Brockton, Mass. Shoe. 2,040,043; May 5.
Floeter, Frederick S., assignor to Wickes Bros., Saginaw, Mich. Broaching machine. 2,039,480; May 5.
Flowers, Russell H., Holland, assignor of one-fourth to F. N. Lewis, Burkesville, and one-fourth to C. Lewis, Waterview, Ky. Plow. 2,040,044; May 5.
Fogelström, Niels O., Kastrup, Denmark. Coupling for hoses, pipes, and the like. 2,039,787; May 5.
Foges, Georg, Prague, Czechoslovakia. Automatic sealing device. 2,039,401; May 5.
Forsberg, Erik A., Stockholm, Sweden, assignor, by mesne asignments, to Servel, Inc., New York, N. Y. Refrigeration. 2,039,588; May 5.
Foulds, Vena L., et al. (executrix). (See Saal, Henry G.)
Frank, Harrison J. L., assignor to Bulldog Electric Products Company, Detroit, Mich. Switching device. 2,039,589; May 5.
Franklin Oil Heating Inc. (See Gilmore, J. G., and Huston, assignors.)
Freda, Vincent, Brookline, J. Staffier, Medford, and L. Sunderland, Brookline, assignors to Barron, Anderson Company, Boston, Mass. Garment pressing machine. 2,039,788; May 5.
Freeborn, James E., assignor to Freeborn Power Converters Limited, London, England. Friction clutch. 2,039,590; May 5.
Freeborn Power Converters Limited. (See Freeborn, James E., assignor.)
Freeman, Samuel, assignor to W. Finkelstein, New York, N. Y. Hair curling device and curling the hair. 2,039,789; May 5.
French, Charles A., Riverside, Ill. Method and apparatus for burning oil. 2,039,790; May 5.
French, Laurence E., Sebastopol, Calif. Oil burner pumping unit. 2,039,309; May 5.
Frey, Ralph W., Mt. Rainier, Md., and W. C. Smith, Clarendon, Va., assignors to H. A. Wallace, Secretary of Agriculture of the United States of America. Refining of natural oleoresin. 2,039,481; May 5.
Fricker, Carl J., New York, assignor of thirty per cent to G. H. Callaghan, New York, N. Y., and ten per cent to D. R. Moore, Avon Park, Fla. Heel and hose protector. 2,039,954; May 5.
Frost, George, Company. (See Chase, Kenneth, assignor.)
Fuller, Albert B., assignor to Eastman Kodak Company, Rochester, N. Y. Electromagnetic clutch. 2,039,714; May 5.
Furey, John. (See Juba H., and Furey.)
Furman, Frank J., Vestal, assignor to International Business Machines Corporation, New York, N. Y. Printing mechanism. 2,039,791; May 5.
Gagnier, George E., assignor of one-half to B. C. Place, Detroit, Mich. Trim panel. 2,039,686; May 5.
Gailor, Chester F., New York, N. Y. Container opener. 2,039,643; May 5.
Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Platform scale. 2,039,527; May 5.
Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Scale. 2,039,528; May 5.
Gardner, Clark E., Osage, Iowa. Watering tube device for packaged plants, shrubs, etc. 2,039,986; May 5.
Gardner-Richardson Company, The. (See Swan, Joseph H., 3d, assignor.)
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Drilling apparatus. 2,039,310; May 5.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Rock drill. 2,039,311; May 5.
Gaskell, Joseph, and J. B. Watt, St. Helens, assignor to Pilkington Brothers Limited, Liverpool, England. Apparatus for cutting flat glass. 2,039,402; May 5.
Gasoline Antioxidant Company. (See Ayers, George W., assignor.)
Gasoline Antioxidant Company. (See Hyman, J., and Aners, assignors.)
Gasoline Products Company. (See Hampton, Arthur C., assignor.)
Gaylord Bros., Inc. (See Locke, Joseph, assignor.)
Geer, Paul L., Bellevue, assignor to Amco Incorporated, Pittsburgh, Pa. Method of and apparatus for melting glass. 2,039,955; May 5.
General Aniline Works, Inc. (See Eckelmann, A., and Koch, assignors.)
General Aniline Works, Inc. (See Kunz, M. A., Koeberle, and Kochendoerfer, assignors.)
General Aniline Works, Inc. (See Münz, F., and Keller, assignors.)
General Aniline Works, Inc. (See Wahl, O., Teupel, and Schmidt, assignors.)
General Electric Company. (See Champlin, Franklin J., assignor.)
General Electric Company. (See Fagan, J. T., Donovan, and Malloy, assignors.)
General Electric Company. (See Fagley, Gilbert H., assignor.)
General Electric Company. (See Kearsley, William K., assignor.)
General Electric Company. (See Obermaier, Carl F., assignor.)
General Electric Company. (See Oosterhuis, E., and Zecher, assignors.)
General Electric Company. (See Watts, Noble H., assignor.)
General Motors Corporation. (See Padgett, Joseph E., assignor.)
General Plate Company. (See Spencer, John A., assignor.)
General Tire & Rubber Company, The. (See Breth, Walter J., assignor.)
General Tire & Rubber Company, The. (See Cunnington, George R., assignor.)
Geniesse, John C., Ridley Park, and R. Reuter, assignors to The Atlantic Refining Company, Philadelphia, Pa. Improving motor fuels. 2,039,894; May 5.
Gentle, William M., et al. (See Ziegler, George J., assignor.)
Gerhard, Ernst, Berlin-Charlottenburg, Germany, assignor to N. V. Machinerieen-en Apparaten Fabrieken "Meaf", Utrecht, Netherlands. Radio receiver for ultra short waves. 2,039,897; May 5.
Gillette, Lillian H., Ossining, N. Y. Automobile ventilation. 2,039,403; May 5.
Gilmore, Jackson G., and M. D. Huston, assignors to Franklin Oil Heating Inc., Columbus, Ohio. Air distributor for oil burners. 2,039,591; May 5.
Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Railway car construction. 2,040,045; May 5.
Gleason, Daniel H., Mountain Lakes, and F. J. Redmond, Arlington, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Selective switch. 2,039,644; May 5.
Godowsky, Leopold, Jr. (See Mannes, L. D., and Godowsky.)
Goldman, Harry, Chicago, Ill. Umbrella. 2,039,987; May 5.
Goldman, Joshua H., Boston, Mass. Reenforced carded web. 2,039,312; May 5.
Golenberg, Joe. (See Chojnacki, Anthony, assignor.)
Gosling, Kenneth C. (See Sinclair, P. S., and Gosling.)
Göth, Hans E. A. (See Oman, E., and Göth.)
Graham, Maurice H., St. Louis Park, Minn. Automatic toaster. 2,039,956; May 5.
Graham, Oliver B. (See White, C., and Graham.)
Graves, Walker C., Jr., San Francisco, Calif. Radio antenna unit. 2,039,988; May 5.
Gray Processes Corporation, The. (See Hill, Joseph B., assignor.)
Green, Earl F., Gettysburg, Pa. Hydraulic jack. 2,039,895; May 5.
Green, Earl F., Gettysburg, Pa. Hydraulic vehicle jack. 2,039,896; May 5.
Green, Estill I., East Orange, N. J., and W. H. Tidd, White Plains, N. Y., assignors to American Telephone and Telegraph Company. Remote metering system. 2,039,404; May 5.
Green, Estill I., East Orange, N. J., and W. H. Tidd, White Plains, N. Y., assignors to American Telephone and Telegraph Company. Remote metering system. 2,039,405; May 5.
Greenafelder, Elmer L., Baltimore, Md. Method of and apparatus for operating intelligence systems. 2,039,406; May 5.
Gressner, Alexander, Habana, Cuba. Sulphonation of oils and greases. 2,039,989; May 5.
Grinsted, William H., Bromley, and J. E. Tees, assignors to Siemens Brothers & Company Limited, London, England. Telephone system. 2,039,592; May 5.
Groesbeck, Walter D., Ballston, Va. Garment supporter. 2,040,046; May 5.
Grohn, Henry P., Chicago, Ill., assignor to McClave-Brooks Company, Scranton, Pa. Interlocking control for change gears. 2,039,407; May 5.

Gross, Howard H. (See Manley, R. E., and Gross.)
Grosser, Walter C. (See Lees, H. W., and Grosser.)
Groves, Earl C., Jetmore, Kans. Extension table. 2,039,482; May 5.
Grundy, William H., Company. (See Petersen, George E., assignor.)
Guinzburg, Roland H., Flushing, assignor to I. B. Kleinert Rubber Company, New York, N. Y. Rubber products. 2,039,529; May 5.
Gustafsson, Nils G. A., assignor to Svenska Ackumulator Aktiebolaget Jungner, Stockholm, Sweden. Carburetor for internal combustion motors. 2,039,990; May 5.
Gyr, Joseph, assignor to firm of Society of Chemical Industry in Basle, Basel, Switzerland. Azo-dyestuffs for dyeing leather. 2,039,898; May 5.
Haas, Louis W., Chicago, Ill., assignor to The W. E. Long Co. Apparatus for protecting sliced bread against mold. 2,039,813; May 5.
Hass, Otto, Pieterlen, Switzerland. Typewriter. 2,039,991; May 5.
Haines Hosiery Mills, Inc. (See Haines, J., and Paget, assignors.)
Haines, Joseph, Jr., Meadowbrook, and H. F. Paget, assignors to Haines Hosiery Mills, Inc., Philadelphia, Pa. Needle bar retracting mechanism for flat knitting machines. 2,040,047; May 5.
Hall, Arthur, assignor to Yaxley Manufacturing Company, Indianapolis, Ind. Electric switch device. 2,039,957; May 5.
Halmagyi, John. (See Langer, Nicholas, assignor.)
Hammer-Bray Company. (See Leonard, Joseph E., assignor.)
Hampton, Arthur C., Belleville, assignor to Gasoline Products Company, Inc., Newark, N. J. Treating hydrocarbon oil. 2,040,048; May 5.
Handy Governor Corporation. (See Darnell, R. C., and Adler, assignors.)
Hane, Carl O. (See Lundell, J. M., and Hane.)
Hane, Carl O., Minneapolis, Minn., assignor to Storm Manufacturing Co. Inc. Clamping device for cylinder boring machines. 2,039,715; May 5.
Hansgirg, Fritz, Badenthein, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa. Production of metallic magnesium. 2,039,483; May 5.
Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Milking-machine pulsator. 2,039,958; May 5.
Harder, Joseph W., assignor of two-fifths to Philip H. Marsh, Sioux City, Iowa. Drain cleaning device. 2,039,792; May 5.
Hargrave, James W., Mertzon, Tex. Handle connecter. 2,039,899; May 5.
Hargrave, James W., Mertzon, Tex. Handle connecter. 2,039,900; May 5.
Harold, John J., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y. Ink fountain for printing presses. 2,039,992; May 5.
Harris, Benjamin R., and M. C. Reynolds, Chicago, Ill. Egg material. 2,039,409; May 5.
Harris, Carl C., Orange, Mass. Slidable clip. 2,039,410; May 5.
Harris, William R., and H. D. Reese, Detroit, Mich., assignors to Intertype Corporation, Brooklyn, N. Y. Automatic quadding and centering device. 2,039,993; May 5.
Hartley, Arthur C., Finsbury Circus, London, England. Separation of gases from liquids. 2,039,411; May 5.
Hartzell Industries, Inc. (See Hartzell, Robert N., assignor.)
Hartzell, Robert N., assignor to Hartzell Industries Inc., Piqua, Ohio. Veneering. 2,039,284; May 5.
Harvey, Frank, Covington, Ky., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electrical distribution system. 2,039,793; May 5.
Harz, Hermann, Berlin, Germany, assignor to Radio Patents Corporation, New York, N. Y. Electrical system. 2,039,814; May 5.
Harz, Karl, Ridgewood, N. J. Adjustable lamp support. 2,039,408; May 5.
Hatch, Dora E. (administratrix). (See Hatch, Theron E.)
Hatch, Theron E.; Upper Arlington, Ohio, D. E. Hatch, administratrix of said T. E. Hatch, deceased, assignor to C. B. Kimmel. Finger protector for cigarette smokers. 2,039,530; May 5.
Hawkins, Paul. (See Ressetter, Charles F., assignor.)
Hawley, Frank J., Brooklyn, N. Y. Dental, medical, and hospital anesthesia apparatus. 2,039,901; May 5.
Hayden, Edward S., St. James, Minn. Basket ball practice ring. 2,039,794; May 5.
Hazel-Atlas Glass Company. (See Stenhouse, David, assignor.)
Heald Machine Company, The. (See Einstein, Sol, assignor.)
Healy, Frank, Sandwich, Ontario, Canada. Faucet. 2,039,902; May 5.
Hechenbleikner, Ingenuin, assignor to Chemical Construction Corporation, Charlotte, N. C. Treatment of sulphur bearing ores. 2,039,645; May 5.
Heineman, Arthur S., Los Angeles, Calif. Carton. 2,039,315; May 5.
Heise, Wilhelm, Munich-Pasing, Germany. Mechanical production of shading plates. 2,039,412; May 5.
Hemphill Company. (See Lawson, John, assignor.)
Hemphill Company. (See Lawson, John and R. H., assignors.)
Henderson, Oliver, Cleveland Heights, Ohio, assignor to American Telephone and Telegraph Company. Telephone line. 2,039,413; May 5.
Henzelmann, Karl O. R., Glashutte, Germany. Calculating machine. 2,039,795; May 5.
Heppenstall, Thomas A., Cheshire, England, assignor to H. H. Robertson Company, Pittsburgh, Pa. Ventilator. 2,039,484; May 5.
Hercules Motors Corporation. (See Treiber, Otis D., assignor.)
Herker, Kurt H. W., Berlin, Germany. Escalator. 2,039,994; May 5.
Herring, Jacob H., Hueytown, Ala. Electrical apparatus and contacts therefor. 2,039,995; May 5.
Hessel, Albert C., assignor to W. F. Hessel Company, Inc., New York, N. Y. Electrical and other connecters. 2,039,996; May 5.
Hessel, W. F., Company. (See Hessel, Albert C., assignor.)
Heston, Allen L., Columbiana, assignor to The National Rubber Machinery Company, Akron, Ohio. Telescopic tire building drum. 2,039,581; May 5.
Heston, Allen L., assignor to National Rubber Machinery Company, Akron, Ohio. Tire building apparatus. 2,039,582; May 5.
Hibbard, Thomas E., Lodi, Calif. Pole guy assembly. 2,039,533; May 5.
Hickok Manufacturing Company. (See Mix, Edwin S., assignor.)
Hild, Fred C., Chicago, Ill. Floor machine. 2,039,903; May 5.
Hildebrandt, Friedrich, Hohen Neuendorf, near Berlin, and E. Schwenk, New York, N. Y., assignors to Schering-Kahlbaum A. G., Berlin, Germany. Producing follicle hormone hydrates. 2,039,414; May 5.
Hill, Joseph B., Philadelphia, Pa., assignor to The Gray Processes Corporation, Newark, N. J. Refining of mineral oil distillates. 2,039,904; May 5.
Hiller, Nicolai H., Carbondale, Pa., assignor, by mesne assignments, to Worthington Pump and Machinery Corporation, Harrison, N. J. Chilling apparatus. 2,039,796; May 5.
Hind, Lewis, Grass Valley, Calif. Measuring instrument. 2,039,997; May 5.
Hoague-Sprague Corporation. (See Knowlton, Cutler D., assignor.)
Hobart Manufacturing Company, The. (See Ogsbury, James S., assignor.)
Hochwalt, Carroll A. (See Thomas, C. A., and Hochwalt.)
Hoe, R. & Co. (See Harold, John J., assignor.)
Hoe, R. & Co. (See Mills, T. J., Quick, and Ball, assignors.)
Hoe, R., & Co. (See Zuckerman, A. M., and Clauberg, assignors.)
Hoffer, Max, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Practically tasteless quinine compound and process for the manufacture of same. 2,039,415; May 5.
Hoffmann-La Roche Inc. (See Hoffer, Max, assignor.)
Hoffmann-La Roche Inc. (See Reichstein, Tadeus, assignor.)
Hoisington, Cyrus H., and R. Beacom, assignors to National Acme Company, Cleveland, Ohio. Eccentric cutting attachment for metal working spindle machines. 2,039,646; May 5.
Holcomb, J. I., Mfg. Co. (See Anderson, Jesse I., assignor.)
Hollis, Grady W., Lillie, La. Seed planter. 2,039,485; May 5.
Hollister, William C., Chicago, Ill., assignor to Visible-Night-and-Day Street-Name Signs, Incorporated. Sign. 2,039,998; May 5.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Cutter chain. 2,039,416; May 5.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Cutter chain. 2,039,417; May 5.
Holmes, Walter C., Indianapolis, Ind. Process of and apparatus for continuous blending, for a predetermined quality, of liquids having different specific gravities. 2,039,534; May 5.
Holyfield, Earl F., Stillwater, Okla. Refrigeration compressor. 2,039,999; May 5.
Hookless Fastener Company. (See Norton, Samuel H., assignor.)
Hoover, Joseph C., Detroit, Mich. Circuit analyser. 2,039,905; May 5.
Horton, Erwin C. (See Hueber, H., and Horton.)
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner blade. 2,039,716; May 5.
House, Chas. W., & Sons. (See Brooks, Raymond K., assignor.)
House, Frank R., Baldwin Harbor, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Airway beacon. 2,039,647; May 5.
Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Strip feed mechanism. 2,039,906; May 5.
Howland-Shearman, Charles H., Hamden, Conn. Method for working substances. 2,039,841; May 5.
Howland-Shearman, Charles H., Hamden, Conn. Machine tool. 2,039,842; May 5.
Howland-Shearman, Charles H., Hamden, Conn. Work supporting table. 2,039,843; May 5.

Howland-Shearman, Charles H., Hamden, Conn. Power transmitting machinery. 2,039,844; May 5.
Howland-Shearman, Charles H., Hamden, Conn. Synchronizing flywheel and gear drives. 2,039,845; May 5.
Howland-Shearman, Charles H., Hamden, Conn. Clutch. 2,039,846; May 5.
Howland-Shearman, Charles H., Hamden, Conn. Work head. 2,039,847; May 5.
Howland-Shearman, Charles H., Hamden, Conn. Causing cold flow in substances. 2,039,840; May 5.
Howland-Shearman, Charles H., Hamden, Conn. Adjustable micrometer crank. 2,039,848; May 5.
Howland-Shearman, Charles H., Hamden, Conn. Tool head. 2,039,849; May 5.
Hubbuch, Theodore N., and W. G. O'Toole, Louisville, Ky. Heat transfer coil. 2,039,593; May 5.
Hueber, Henry, Buffalo, and E. C. Horton, Hamburg, assignors to Trico Products Corporation, Buffalo, N. Y. Horn system. 2,039,717; May 5.
Huff, Lyman C., assignor to Universal Oil Products Company, Chicago, Ill. Hydrocarbon oil conversion. 2,039,797; May 5.
Hughes-Mitchell Processes, Incorporated. (See Mitchell, Thomas A., assignor.)
Hughey, Howard G. (See Ost, W. R., and Hughey.)
Hunt, C. Howard, Pen Company. (See Lukens, Hiram S., assignor.)
Hunter, Hester W., Geneva, Ill. Cleaning device. 2,039,594; May 5.
Hunter, James, Machine Company, The. (See Cannity, Ernest, assignor.)
Huston, Milton D. (See Gilmore, J. G., and Huston.)
Hutchins Car Roofing Company. (See Thompson, William D., assignor.)
Hutchinson, Floyd M., Tiskilwa, Ill. Dental matrix. 2,039,418; May 5.
Hutton, Horatio W., East Croydon, England. Dispension of synthetic resins in liquids. 2,040,000; May 5.
Hydraulic Press Corporation, The. (See Ernst, Walter, assignor.)
Hyman, Julius, and G. W. Ayers, Jr., Chicago, Ill., assignors, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del. Treating hydrocarbon motor fuels. 2,039,595; May 5.
I. G. Farbenindustrie Aktiengesellschaft. (See Meder, G., and Schad, assignors.)
Imperial Brass Manufacturing Company, The. (See McIntosh, Robert D., assignor.)
Industrikemiska Aktiebolaget. (See Öman, E., and Göth, assignors.)
Ingersoll, George B. (See Tatter, John W., assignor.)
Ingersoll-Rand Company. (See Terry, Edward F., assignor.)
Ingersoll-Rand Company. (See Woodard, George H., assignor.)
International Business Machines Corporation. (See Furman, Frank J., assignor.)
International Business Machines Corporation. (See Kolm, Ulrich, assignor.)
International Business Machines Corporation. (See Page, Ralph E., assignor.)
International Business Machines Corporation. (See Palmer, Ralph L., assignor.)
International Harvester Company. (See Johnston, Edward A., assignor.)
Intertype Corporation. (See Harris, W. R., and Reese, assignors.)
Ipatieff, Vladimir, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,039,798; May 5.
Ipatieff, Vladimir, assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbons. 2,039,799; May 5.
Irgens, Finn T., Wauwatosa, assignor to Outboard Motors Corporation, Milwaukee, Wis. Lower unit for outboard motors. 2,039,535; May 5.
Isaac, Augustin, Lyon, assignor to Dognin-Société Anonyme, Villeurbanne, France. Tulle and lace comprising multiple elastic threads. 2,039,419; May 5.
Isett, John W., Hinsdale, Ill. Constructing, repairing, and widening concrete roads. 2,039,420; May 5.
Iversen, Lorenz, assignor to Mesta Machine Company, Pittsburgh, Pa. Rolling mill. 2,039,959; May 5.
Ives, Herbert E., Montclair, N. J., assignor to The Perser Corporation, New York, N. Y. Camera for making parallax panoramagrams. 2,039,648; May 5.
Jack, William A., 3d, assignor to C. F. Burgess Laboratories, Inc., Madison, Wis. Silencer. 2,039,800; May 5.
Jackson, Clarence C., Whittier, Calif., assignor to S. H. Davis, Omaha, Nebr. Sleeve former. 2,039,596; May 5.
Jacobs, F. L., Company. (See Jacobs, Rex C., assignor.)
Jacobs, Rex C., Detroit, Mich. Door check. 2,039,961; May 5.
Jacobs, Rex C., assignor to F. L. Jacobs Company, Detroit, Mich. Automobile door check. 2,039,960; May 5.
James Manufacturing Company. (See Shodron, John G., assignor.)
Jansson, Ernst T., Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Process and apparatus for milking. 2,039,421; May 5.
Jefferson, Charles J., Springfield, assignor to J. Stevens Arms Company, Chicopee, Mass. Firearm sight construction. 2,039,907; May 5.
Jewett, Earold C. (See Crouch, H. W., and Jewett.)
Johanson, Anton W., Florence, Ala. Caliper gauge. 2,039,718; May 5.
Johnson, Allen J., Delaware County, assignor, by mesne assignments, to Anthracite Heat Appliance Corporation, Dover, Del. Automatic heat machine. 2,039,422; May 5.
Johnson, Allen J., Primos, and P. A. Mulcey, Philadelphia, Pa., assignors, by mesne assignments, to Anthracite Devices Corporation. Combustion heater. 2,039,423; May 5.
Johnson, Warner D., St. Louis Park, Minn. Composition building element. 2,039,536; May 5.
Johnston, Edward A., Chicago, Ill., assignor to International Harvester Company. Power lift for tractors. 2,039,316; May 5.
Johnston, Edward A., Chicago, Ill., assignor to International Harvester Company. Hydraulic power lift. 2,039,801; May 5.
Jokubaitis, Damians J., Detroit, Mich. Vegetable cutting machine. 2,039,962; May 5.
Jones, Alfred, assignor to W. M. Still & Sons Limited, London, England. Apparatus for the distillation of dry cleaning liquid. 2,039,963; May 5.
Jones, Edward G., Hutchinson, Kans. Sole patch. 2,040,001; May 5.
Jones, Samuel G., Norfolk, Va. Universal joint. 2,040,002; May 5.
Jorgensen, Arnold T., Jerome, Idaho. Butter mold. 2,040,003; May 5.
Juba, Harold, and J. Furey, Nyack, N. Y. Sanitary container. 2,039,424; May 5.
Juhlin, Jalmar, Milwaukee, Wis. Parachute toy. 2,039,597; May 5.
Junkin, John C., assignor of one-fourth to W. R. Wuest and one-fourth to J. H. Wuest, Louisville, Ky. Safety guard mechanism for power driven presses and other machines. 2,039,964; May 5.
Jurgensen, August P., Atlantic City, N. J., assignor to The De Long Hook and Eye Company. Machine for making sanitary napkins. 2,039,425; May 5.
Kaemmerlen, Charles F., and E. J. Willis, Morehead City, N. C. Windshield wiper. 2,039,598; May 5.
Kablisch, Gustav. (See Reiners, W., and Kahlisch.)
Kahn, Julius, and D. K. MacLeod, assignors to Truscon Steel Company, Youngstown, Ohio. Sound excluding window. 2,040,049; May 5.
Kasanof, David R., et al. (executor). (See Kasanof, Maurice M.)
Kasanof, Maurice M., deceased, Bronx, N. Y., D. R. Kasanof and A. Kriegel, executors. Treatment of fabrics. 2,039,649; May 5.
Kauffman, Walter L., 2d, assignor to Lovell Manufacturing Company, Erie, Pa. Wringer. 2,039,803; May 5.
Kaufmann, Hans, Munster, Germany. Quinine compound and making the same. 2,039,802; May 5.
Kearney, James R., Corporation. (See Cooper, Ellis W., assignor.)
Kearsley, William K., Schenectady, N. Y., assignor to General Electric Company. X-ray system. 2,039,908; May 5.
Keller, Karl. (See Münz, F., and Keller.)
Kelley, John C., Westmount, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 2,039,650; May 5.
Kelsay, Carrie, Columbia, Ky. Kitchen utensil. 2,040,004; May 5.
Kem, Huxley D., and J. R. Marshall, Jr., Medford, Oreg. Printing press. 2,039,909; May 5.
Kennedy, Joseph E., and J. V. Pyle, assignors to Nellie Kennedy, New York, N. Y. Boiler furnace. 2,039,537; May 5.
Kennedy, Nellie. (See Kennedy, J. E., and Pyle, assignors.)
Kerr, Samuel L., Philadelphia, Pa. Apparatus for controlling prime movers. 2,039,426; May 5.
Keystone Index Card Company. (See Thomas, Frederick, assignor.)
Klütt, Heinz, Dusseldorf, assignor to Otto Berning & Co., Schwelm, Germany. Photographic camera. 2,040,018; May 5.
Kilgore Mfg. Company, The. (See Richenbacher, Robert J., assignor.)
Kimmel, C. B. (See Hatch, Theron E., assignor.)
Kinsbach, Frank, Houston, Tex. Milling cutter. 2,039,427; May 5.
Kirsch Company. (See Kirsch, Guy W., assignor.)
Kirsch, Guy W., assignor to Kirsch Company, Sturgis, Mich. Support for venetian blinds. 2,039,538; May 5.
Kister, Harry, assignor of one-half to W. H. Eden, Philadelphia, Pa. Toy vehicle. 2,040,005; May 5.
Kleinert, I. B., Rubber Company. (See Guinzburg, Roland H., assignor.)
Kliesrath, Victor W., South Bend, Ind., assignor to The Steel Wheel Corporation, Chicago, Ill. Vehicle. 2,039,317; May 5.
Kliesrath, Victor W., South Bend, Ind., assignor to The Steel Wheel Corporation, Chicago, Ill. Motor vehicle. 2,039,318; May 5.
Kline, Theodore S., and K. Rogers, Sacramento, Calif. Cylinder block reamer. 2,039,719; May 5.

Klump, Emil, Zuffenhausen, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Preparing refractories and refractory masses so produced. 2,040,051; May 5.

Klump, Laurence E., Stockton, Calif. Attaching strip for advertising matter. 2,039,804; May 5.

Klute, Samuel, assignor to The Malleable Steel Range Manufacturing Co., South Bend, Ind. Stove construction. 2,039,539; May 5.

Knight, Robert J., Inglewood, Calif. Beach umbrella table. 2,039,806; May 5.

Knowlton, Cutler D., Beverly, assignor to Hoague-Sprague Corporation, Lynn, Mass. Blank-making machine. 2,039,819; May 5.

Koch, Ernst. (See Eckelmann, A., and Koch.)

Koch, Paul W., Brooklyn, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Reactionless valve. 2,039,599; May 5.

Kochendoerfer, Gerd. (See Kunz, M. A., Koeberle, and Kochendoerfer.)

Koeberle, Karl. (See Kunz, M. A., Koeberle, and Kochendoerfer.)

Kölm, Ulrich, Berlin, Germany, assignor to International Business Machines Corporation, New York, N. Y. Punching machine. 2,039,806; May 5.

König, Jossef, Budapest, Hungary. Apparatus for producing vibrating light effects. 2,040,006; May 5.

Kraeuter, Arthur A., South Orange, N. J., assignor to The Kroydon Company. Golf club joint. 2,039,320; May 5.

Kreidel, Hans, Wiesbaden, Germany. Central lubricating device. 2,040,007; May 5.

Kriedel, Hans, Wiesbaden, Germany. Coupling-head. 2,040,008; May 5.

Kreichbaum, John P., Minneapolis, Minn. Fuel oil burner control system. 2,039,910; May 5.

Kriegel, Abraham, et al (executor). (See Kasanof, Maurice M.)

Kristoffersen, Olaf, Oslo, Norway. Separation of the individual fibers in fibrous material. 2,039,807; May 5.

Kroydon Company, The. (See Kraeuter, Arthur A., assignor.)

Kuna, Max A., Mannheim, and K. Koeberle, and G. Kochendoerfer, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc, New York, N. Y. Pyridino vat dyestuffs, and preparing them. 2,039,809; May 5.

Küppenbender, Heinz, assignor to Zeiss Ikon Aktiengesellschaft Dresden, Dresden, Germany. Combined photographic camera and distance meter. 2,040,050; May 5.

Kushel, Harold, Brooklyn, N. Y. Adhesive paper and making the same. 2,039,808; May 5.

LaBoiteaux, Eugene M., Washington, D. C. Tabulating machine. 2,039,810; May 5.

Lalli, John, Newark, N. J. Nonrefillable bottle. 2,039,811; May 5.

Lambert, Chandley W., Cleveland, Ohio. Automatic variable pitch propeller. 2,039,720; May 5.

Lammott, William A., assignor to Eagle Glove & Garment Company, Muncie, Ind. Glove. 2,040,052; May 5.

Lane, Lee B., New York, N. Y. Safety razor. 2,040,009; May 5.

Lang, Adam. (See Stonecipher, Oscar J., assignor.)

Langer, Nicholas, New York, N. Y., assignor of sixty-six and two-thirds per cent to J. Halmagyi, Budapest, Hungary. Electrical musical instrument. 2,039,651; May 5.

Larkin, Charles W., Brooklyn, N. Y., assignor, by mesne assignments, to American Sales Book Company, Inc. Web supply carrier for typewriting machines. 2,039,721; May 5.

Larson, Alfred T., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of organic acids. 2,039,722; May 5.

Lattimer-Stevens Company, The. (See Stevens, Charles W., assignor.)

Lauretti, Placentino, assignor to C. A. Wardecker, Carlisle, Pa. Buffing tool for shoe shanks and soles. 2,039,723; May 5.

Lawson, Axel A., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Punching and marking machine. 2,039,321; May 5.

Lawson, John, Pawtucket, assignor to Hemphill Company, Central Falls, R. I. Jacquard strip. 2,039,724; May 5.

Lawson, John, Bristol, and R. H. Lawson, assignors to Hemphill Company, Pawtucket, R. I. Jacquard strip. 2,039,725; May 5.

Lawson, Robert H. (See Lawson, John and R. H.)

Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Pneumatic tire. 2,039,726; May 5.

Ledwinka, Joseph, assignor to Edward G. Budd Mfg. Co., Philadelphia, Pa. Rail car wheel. 2,039,727; May 5.

Lee, Frank H., Danbury, Conn. Manufacture of fur or felt hats. 2,039,911; May 5.

Lees, Harry W., Shaker Heights, and W. C. Grosser, assignors to The Draper Manufacturing Company, Cleveland, Ohio. Barrel gauge construction. 2,039,965; May 5.

Lee-Tex Rubber Products Corporation. (See Miller, Layard D., assignor.)

Le Frank, John D. (See Nordquist, R. E. J., and Le Frank.)

Leib, August, and H. Scharlau, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Signaling system. 2,039,812; May 5.

Leighton, John W., Port Huron, Mich. King bolt assembly for motor vehicles. 2,039,912; May 5.

Lekometros, Markos, Oakland, Calif. Barbecuing apparatus. 2,039,541; May 5.

Lell, Jacob, Heidenheim-on-the-Brens, Germany. Synchronous alternating current machine for low and for variable speed. 2,039,322; May 5.

Lenning, Alvar. (See Munters, C. G., and Lenning.)

Leonard, Joseph E., Berkeley, assignor to Hammer-Bray Company, Oakland, Calif. Concealed manifold for gas stoves. 2,039,652; May 5.

Lessin, Maurice E., Bronx, assignor to Parfums Corday, Inc., New York, N. Y. Lip stick. 2,039,323; May 5.

Levin, Nathan, et al. (See Riggs, Clyde A., assignor.)

Lewis, Clarence, et al. (See Flowers, Russell H., assignor.)

Lewis, Fred N., et al. (See Flowers, Russell H., assignor.)

Lewis, Morgan J., Philadelphia, Pa. Testing apparatus. 2,039,428; May 5.

Lifton, Samuel H., Brooklyn, N. Y. Brief case. 2,039,913; May 5.

Lincoln, Walter E., Belvidere, Ill. Egg crate filler. 2,039,486; May 5.

Lindemuth, Lewis B., Albany, N. Y., assignor, by mesne assignments, to The Nitralloy Corporation. Nitriding. 2,039,487; May 5.

Lindquist, David E., assignor to Mueller Brass Co., Port Huron, Mich. Fitting. 2,039,542; May 5.

Link Belt Company. (See Philips, William E., assignor.)

Lippert, Henry E., Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company, Incorporated. Locomotive stoker. 2,039,324; May 5.

Lippert, Henry E., Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company, Incorporated. Fire door and stoker structure. 2,039,325; May 5.

Locke, Joseph, assignor to Gaylord Bros., Inc., Syracuse, N. Y. Card printing machine. 2,039,600; May 5.

Lockhart, Marshall L., Des Moines, and E. E. Postel, Cleghorn, Iowa. Selector. 2,039,966; May 5.

Loening, Grover, Mill Neck, assignor to Grover Loening Aircraft Company, Inc., Garden City, N. Y. Retractible landing gear. 2,039,813; May 5.

Loening, Grover, Aircraft Company. (See Loening, Grover, assignor.)

Lombros, Xenophon G. (See Silaj, Thomas S., assignor.)

London, Bernard, New York, N. Y. Building construction. 2,039,601; May 5.

Long, W. E., Co., The. (See Haas, Louis W., assignor.)

Loomis, Crawford C., Ilion, N. Y., assignor to Remington Arms Company, Inc., Firearm. 2,039,814; May 5.

Lotang, Hermanus F. J., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Manufacture of acetone. 2,039,543; May 5.

Lovell Manufacturing Company. (See Kauffman, Walter L., 2d, assignor.)

Lowe, Thomas W., Columbus, Ohio. Manufacturing pipe caps. 2,039,967; May 5.

Lowe, Thomas W., Columbus, Ohio. Manufacturing pipe bends. 2,039,968; May 5.

Luebbe, Raphael B., assignor to The Stacey Bros. Gas Construction Company, Cincinnati, Ohio. Gas holder shell and fabricating the same. 2,039,602; May 5.

Lukens, Hiram S., Philadelphia, Pa., assignor to C. Howard Hunt Pen Company, Camden, N. J. Pen. 2,039,326; May 5.

Lukens, Hiram S., Philadelphia, Pa., assignor to C. Howard Hunt Pen Company, Camden, N. J. Pen point. 2,039,327; May 5.

Lukens, Hiram S., Philadelphia, Pa., assignor to C. Howard Hunt Pen Company, Camden, N. J. Gold plating. 2,039,328; May 5.

Lundell, John M., and C. O. Hane, assignor to Storm Manufacturing Co., Inc., Minneapolis, Minn. Boring machine. 2,039,728; May 5.

Lupfer, James A., Tulsa, Okla. Rotary pump. 2,039,815; May 5.

Lupfer, James A., Tulsa, Okla. Well drilling apparatus. 2,039,816; May 5.

Lydon, Timothy, New York, N. Y. Oven and the like with heat circulating means therefor. 2,039,429; May 5.

Lynch, George G., Wilmington, N. C. Railway car side door. 2,039,430; May 5.

Lynn, Ewing K., East McKeesport, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Self-lapping brake valve. 2,039,729; May 5.

Lyon Cover Company. (See Fergueson, Arthur P., assignor.)

Lytle, Arthur R., Flushing, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Alloy. 2,040,053; May 5.

Lytle, Arthur R., Niagara Falls, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Lead bronze composition. 2,040,054; May 5.

Lytle, Arthur R., Niagara Falls, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Copper base composition. 2,040,055; May 5.

MacLeod, Donald K. (See Kahn, J., and MacLeod.)

MacMillan, Bruce S., East Windsor, Ontario, Canada. Barrel. 2,039,817; May 5.

MacMullin, Robert B., Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Manufacture of the oxide and the chloride of magnesium. 2,039,658; May 5.

MacNerland, William, assignor to Air-Zone Stoker Company, Chicago, Ill. Stoking device. 2,039,431; May 5.

Magee, Carl C., assignor to Dual Parking Meter Company, Oklahoma City, Okla. Parking meter. 2,039,544; May 5.

Maguire, Garnet A., St. John, New Brunswick, Canada. Pipe construction. 2,040,019; May 5.

Maier, Albert F. (See Snyder, A. D., and Maier.)

Maier, Charles G., Berkeley, Calif., assignor, by mesne assignments, to The Mountain Copper Company, Ltd. Production of hot reducing gases. 2,039,603; May 5.

Main, John M. (See Fennell, C. H., and Main.)

Malleable Steel Range Manufacturing Co., The. (See Klute, Samuel, assignor.)

Malloy, Frank J. (See Fagan, J. T., Donovan, and Malloy.)

Manley, Robert E., Beacon, assignor to The Texas Company, New York, N. Y. Dewaxing hydrocarbon oil. 2,040,056; May 5.

Manley, Robert E., and H. H. Gross, Beacon, assignors to The Texas Company, New York, N. Y. Manufacture of lubricating oil. 2,040,057; May 5.

Mannes, Leopold D., and L. Godowsky, Jr., assignors to Eastman Kodak Company, Rochester, N. Y. Color-forming developer. 2,039,730; May 5.

Margate Hosiery Mills Incorporated. (See Riggs, Clyde A., assignor.)

Marsh, Philip H. (See Harder, Joseph W., assignor.)

Marshall, Joseph R., Jr. (See Kem, H. D., and Marshall, Jr.)

Martin Band Instrument Co., The. (See Moore, Aston L., assignor.)

Martin, Carlisle, Pershing, Okla. Toy. 2,039,731; May 5.

Marx, Louis, New York, N. Y. Sparking gyroscope. 2,039,819; May 5.

Maschinenfabrik Augsburg-Nurnberg A. G. (See Pielstick, Gustav, assignor.)

Massonneau, Robert F., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,039,654; May 5.

Mathiesen Alkali Works, Inc., The. (See MacMullin, Robert B., assignor.)

Mattikow, Morris. (See Thurman, B. H., Thomas, and Mattikow.)

Mattison, Edwin L. (See Carleton, P. W., and Mattison.)

McAllister, Clarence I. (See Snyder, Harold E., assignor.)

McBane, Walter W., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Reduction indicator for rolling mills. 2,039,914; May 5.

McCallum, Jean, Ferguson, Mo., assignor to Titanium Pigment Company, Inc., New York, N. Y. Making sulphates of barium and calcium. 2,039,432; May 5.

McCann, Ronald A., Swinevale, and H. S. Young, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,039,820; May 5.

McClave-Brooks Company. (See Grohn, Henry P., assignor.)

McCormack, Harry E., St. Louis, Mo. Link sausage heater. 2,039,545; May 5.

McCoy, Glen R., Wayland, Iowa. Reeling machine. 2,039,915; May 5.

McCready, John H. (See Coolidge, J. R., and McCready.)

McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,039,732; May 5.

McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electropneumatic brake. 2,039,733; May 5.

McDonald, John P., Austin, Tex. Forming stones of plastic material and supplying the stones with indicia. 2,039,488; May 5.

McGerry, James J., East Grand Rapids, assignor to McKelly-Ward Corporation, Grand Rapids, Mich. Combination speculum surgical instrument. 2,039,546; May 5.

McIlvain, Earl E. (See Steele, R. N., and McIlvain.)

McIntosh, Robert D., River Forest, assignor to The Imperial Brass Manufacturing Company, Chicago, Ill. Game device. 2,039,969; May 5.

McIntosh, William F., Charlestown, Mass. Electrical receptacle. 2,039,916; May 5.

McKee Glass Company. (See Poglein, Louis, assignor.)

McKee, Ralph H., Jersey City, N. J. Purification of carbon dioxide. 2,039,330; May 5.

McKeefrey, Elvira C., assignor to The Model Brassiere Co., Inc., Brooklyn, N. Y. Garment. 2,039,821; May 5.

McKelly-Ward Corporation. (See McGerry, James J., assignor.)

McKenna, Philip M., Unity Township, Westmoreland County, Pa., assignor to Vanadium-Alloys Steel Company, Latrobe, Pa. Hard composition of matter. 2,039,822; May 5.

McLaughlin, Allen, Ferndale, Mich. Window ventilation apparatus. 2,039,970; May 5.

McMahon, Bernard, Malvern, Victoria, Australia. Repair and anchorage of telegraph poles and the like. 2,040,010; May 5.

McMurray, Joseph. (See Bergeron, Rodolphe, assignor.)

McNabb, William J., Detroit, Mich. Vehicle seat mounting. 2,039,818; May 5.

McNeill, Howard, Philadelphia, Pa. Lock strike. 2,039,433; May 5.

Meacham, Benjamin E., Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo. Gas range or similar appliance. 2,040,011; May 5.

Meder, Georg, Munster (Taunus), and K. Schad, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Composition of matter containing luminous substances. 2,039,734; May 5.

Meinhardt, John W., assignor to St. Louis Basket & Box Corporation, St. Louis, Mo. Basket. 2,039,971; May 5.

Mendel, William, Beverly, and J. Titone, assignors to Neddich Cel-Lus-Tra Corporation, Burlington, N. J. Locksitch knit fabric. 2,040,058; May 5.

Mendenhall, Hallam E., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Outgassing and purifying electrically conductive bodies. 2,039,655; May 5.

Merco Centrifugal Separator Co. Ltd. (See Peltzer, Albert J., Jr., assignor.)

Merrill Company, The. (See Mills, L. D., and Crowe, assignors.)

Merritt, Matthew M., Middleton, assignor to The Tanning Process Company, Boston, Mass. Drying sheet material. 2,039,329; May 5.

Mesinger, William F., Flushing, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Method and apparatus for dispensing gas material. 2,040,059; May 5.

Messick, Kirwan Y., Clarendon, Va. Transportation unit. 2,039,489; May 5.

Mesta Machine Company. (See Iversen, Lorens, assignor.)

Michel, Harold, Brooklyn, N. Y. Attaching a handle to a stem or the like. 2,039,917; May 5.

Middleton, Lealie H., LaCrosse, Wis., assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation. Electrical indicating instrument. 2,040,060; May 5.

Mikelson, Arthur, Detroit, Mich. Apparatus for peeling vegetables. 2,039,490; May 5.

Mikulic, Milos N., Independence, assignor of one-third to E. H. Munford and one-third to H. D. Pinkerton, Kansas City, Mo. Electric generator and heating and cooling means. 2,039,547; May 5.

Miller, Aubrey D., Fort Wayne, and E. O. Bade, Waynedale, Ind. Signal for motor vehicles. 2,039,604; May 5.

Miller, Elliot A., New York, N. Y. Combination storage device. 2,039,823; May 5.

Miller, Layard D., assignor to Lee-Tex Rubber Products Corporation, Chicago, Ill. Rubber toy. 2,039,918; May 5.

Miller, Oscar W., Appleton, Wis. Car-mover. 2,039,919; May 5.

Mills, Hubert E. (See Perkins, E. H., and Mills.)

Mills, Lindley E., assignor to The Dow Chemical Company, Midland, Mich. Alkaline earth metal salts of 2,4,5-trichlorophenol. 2,039,434; May 5.

Mills, Louis D., and T. B. Crowe, Palo Alto, assignors to The Merrill Company, San Francisco, Calif. Precipitation of cyanide solutions. 2,039,656; May 5.

Mills, Thomas J., C. G. Quick, and D. A. Ball, London, England, assignors, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y. Inking mechanism for use in printing machines. 2,039,435; May 5.

Mitchell, Thomas A., assignor to Hughes-Mitchell Processes, Incorporated, Denver, Colo. Treating a zinc bearing ore material. 2,039,331; May 5.

Mix, Edwin S., assignor to Hickok Manufacturing Company, Rochester, N. Y. Character bearing article. 2,040,012; May 5.

Model Brassiere Co. (See McKeefrey, Elvira C., assignor.)

Monarch Machine Tool Company, The. (See Bickel, Clifford A., assignor.)

Monsanto Petroleum Chemicals, Inc. (See Thomas, Charles A., assignor.)

Monsanto Petroleum Chemicals, Inc. (See Thomas, C. A., and Hochwalt, assignors.)

Moore, Aston L., South Bend, assignor of one-half to The Martin Band Instrument Co., Elkhart, Ind. Sound reproduction device. 2,039,436; May 5.

Moore, David P., et al. (See Fricker, Carl J., assignor.)

Moore Enameling and Manufacturing Company, The. (See Moore, Walter B., assignor.)

Moore, Jack H., assignor to The Procter & Gamble Company, Cincinnati, Ohio. Dispensing carton. 2,039,437; May 5.

Moore, John R., Tyler, Tex. Signaling apparatus. 2,039,920; May 5.

Moore, Marguerite E., New York, N. Y. Window shade fitting. 2,039,972; May 5.

Moore, Richard D., Birmingham, Ala. Tube cap. 2,040,013; May 5.

Moore, Walter B., assignor to The Moore Enameling and Manufacturing Company, West Lafayette, Ohio. Decorating enameled ware. 2,039,548; May 5.

Morgan, Archibald J., assignor to John A. Roebling's Sons Company, Trenton, N. J. Wire rope machine. 2,039,438; May 5.

Morgan, Erving B., assignor to American Seating Company, Grand Rapids, Mich. Clamp. 2,039,973; May 5.
Morgan, Erving H., and M. Nuberg, assignors to American Seating Company, Grand Rapids, Mich. Sheet metal tubing. 2,039,824; May 5.
Morin, Henry L., Holyoke, Mass. Wringer. 2,039,439; May 5.
Morral, John, Marion, assignor of one-half to W. W. and S. E. Morral, Morral, Ohio. Labeling machine. 2,039,825; May 5.
Morral, Samuel E., et al. (See Morral, John, assignor.)
Morral, William W., et al. (See Morral, John, assignor.)
Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon gases. 2,039,440; May 5.
Morrell, Jacque C., assignor to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon gases. 2,039,441; May 5.
Morrill, Wayne J., Fort Wayne, Ind. Game. 2,039,332; May 5.
Morton, Benjamin A., New York, N. Y. Ventilating device. 2,039,826; May 5.
Moseley, Francis L., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Antihunting positional control. 2,040,014; May 5.
Moto Meter Gauge & Equipment Corporation. (See Middleton, Leslie H., assignor.)
Mountain Copper Company, The. (See Maier, Charles G., assignor.)
Mucher, John J., Brooklyn, N. Y. Resistance unit. 2,039,974; May 5.
Mueller Brass Co. (See Lindquist, David E., assignor.)
Mulcey, Paul A. (See Johnson, A. J., and Mulcey.)
Mulford, Marion R., Lebanon, Ohio. Process and device for the handling of planted seeds. 2,039,442; May 5.
Munford, E. H., et al. (See Mikulic, Milos N., assignor.)
Munters, Carl G., and A. Lenning, assignors to Platen-Munters Refrigerating System, Aktiebolag, Stockholm, Sweden. Refrigeration. 2,039,736; May 5.
Münz, Ferdinand, Frankfort-on-the-Main, and K. Keller, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Quaternary ammonium compounds. 2,040,061; May 5.
Murdock, Sidney A., assignor, by mesne assignments, to Syncro Sound, Inc., Los Angeles, Calif. Synchronized talking picture system. 2,039,735; May 5.
Murphy, George E., Averill Park, N. Y. World time chart. 2,039,921; May 5.
Musham, Harry A., Chicago, Ill. Protractor. 2,039,333; May 5.
N. V. Machinerieen-en Apparaten Fabrieken "Meaf". (See Gerhard, Ernst, assignor.)
Nagel, August, Stuttgart-Nord, Germany, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic camera. 2,039,737; May 5.
Nagy, James A., assignor of forty-five per cent to F. G. Richardson, Detroit, Mich. Refrigerator. 2,039,334; May 5.
Nall, Torney O., Chicago, Ill. Method and apparatus for folding sheets. 2,039,335; May 5.
National Acme Company. (See Holsington, C. H., and Beacom, assignors.)
National Rubber Machinery Company. (See Heston, Allen L., assignor.)
Neats, Clarence P., East Orange, and W. W. Calahan, South Orange, N. J. Lap tray. 2,039,922; May 5.
Neidich Cel-Lus-Tra Corporation. (See Mendel, W., and Titone, assignors.)
New Haven Clock Company, The. (See Whitehead, Richard H., assignor.)
Nicholson, Frank H., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electric control system. 2,039,827; May 5.
Nicholson, Frank H., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway switch controlling apparatus. 2,039,828; May 5.
Niesen, Jacob P., Racine, Wis. Fused wall receptacle. 2,039,336; May 5.
Nieto, Carl G., Detroit, Mich. Door signal device. 2,039,975; May 5.
Nitralloy Corporation, The. (See Lindemuth, Lewis B., assignor.)
Nolan, John R., Larchmont, N. Y., assignor to The Diamond Match Company, Wilmington, Del. Match packet and making the same. 2,039,491; May 5.
Nolan, William P., New York, N. Y. Arterial blood pressure measuring device. 2,039,337; May 5.
Nordquist, Ronald E. J., and J. D. Le Frank, Maplewood, N. J., assignors to American Can Company, New York, N. Y. Vacuum closing machine. 2,039,338; May 5.
Norris, Harry B., assignor to Detroit Lubricator Company, Detroit, Mich. Carburetor. 2,039,549; May 5.
Northrop, Frank E., Bristol, Conn., assignor to Veeder-Root Incorporated. Counter. 2,040,027; May 5.
Norton, Fred E., Kennebunk, Maine. Switch box. 2,039,550; May 5.
Norton, Samuel H., Meadville, Pa., assignor to Hookless Fastener Company. Separable fastener. 2,039,976; May 5.
Nuberg, Matthys. (See Morgan, E. B., and Nuberg.)
Obermaier, Carl F., York, Pa., assignor to General Electric Company. Insulation. 2,039,977; May 5.
O'Brien, James A., Rosemont, Pa., assignor to The De Long Hook and Eye Company. Fastener tape. 2,039,829; May 5.
O'Brien, William J., Chicago, Ill., assignor to Radio Corporation of America. Superheterodyne receiver. 2,039,823; May 5.
O'Connor, George K., Evanston, assignor to Smoot Engineering Corporation, Chicago, Ill. Air-operated regulator. 2,039,924; May 5.
Offutt, Harold H. (See Billings, E., and Offutt.)
Ogden, John J., Memphis, Tenn. Surgical knife. 2,039,443; May 5.
Ogsbury, James S., Dayton, assignor, by mesne assignments, to The Hobart Manufacturing Company, Troy, Ohio. Thermostat for scales. 2,039,339; May 5.
Ohio Brass Company, The. (See Taylor, John J., assignor.)
Ohio Steel Foundry Company, The. (See Burke, Ralph, assignor.)
Oil Well Manufacturing Corporation. (See White, C., and Graham, assignors.)
Olving, Bror G., Hamden, Conn., assignor to Products Protection Corporation. Electric condenser construction. 2,039,340; May 5.
Öman, Erik, Stocksund, and H. E. A. Göth, Stockholm, assignors to Industrikemiska Aktiebolaget, Stockholm, Sweden. Concentrating lyes obtained in the cellulose industry. 2,039,444; May 5.
Onondaga Pottery Company. (See Parmelee, Clifford H., assignor.)
Oosterhuis, Ekko, and G. Zecher, Eindhoven, Netherlands, assignors to General Electric Company. Electric discharge lamp. 2,039,978; May 5.
Osborne, Charles P., Hillingdon, assignor to Electric and Musical Industries Limited, Hayes, England. Supersonic heterodyne receiver. 2,039,657; May 5.
Ost, William R., Verona, and H. G. Hughey, Irvington, N. J., assignors to Air Reduction Company, Incorporated, New York, N. Y. Welding torch apparatus. 2,040,062; May 5.
O'Toole, William G. (See Hubbuch, T. N., and O'Toole.)
Outboard Motors Corporation. (See Irgens, Finn T., assignor.)
Ovaitt, Nelson C., Philadelphia, Pa. Pay roll check machine. 2,039,925; May 5.
Owens, Freeman H., New York, N. Y. Holder for edibles. 2,039,830; May 5.
Packard Motor Car Company. (See Edwards, Herbert C., assignor.)
Padgett, Joseph E., Toledo, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Direct action shock absorber. 2,040,063; May 5.
Page, Ralph E., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Card feed with slitter. 2,039,831; May 5.
Paget, Harold F. (See Haines, J., and Paget.)
Palmer, Ralph L., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Record verifying machine. 2,039,832; May 5.
Paquette, Roland J., Woodstock, Ontario, Canada, assignor to Scott & Williams, Incorporated, New York, N. Y. Dial timing mechanism for circular knitting machines. 2,040,021; May 5.
Paradise, William F., Atchison, Kans. Ice pick. 2,039,926; May 5.
Parfums Corday, Inc. (See Lessin, Maurice E., assignor.)
Parish, Scott, Cleveland, Ohio. Projector or camera shutter mechanism. 2,039,341; May 5.
Parker, William B., Manchester, Tenn. Valve device. 2,040,015; May 5.
Parker, William B., Manchester, Tenn. Carburetor. 2,040,020; May 5.
Parmelee, Clifford H., assignor to Onondaga Pottery Company, Syracuse, N. Y. Tunnel kiln. 2,039,445; May 5.
Patent and Licensing Corporation, The. (See Caton, Maurice L., assignor.)
Paul, Leon R., Brooklyn, assignor to Dalynip Pourer Corp., New York, N. Y. Liquid dispensing device for bottles. 2,039,658; May 5.
Paulus, Max G., and A. E. Thompson, Casper, Wyo., assignors to Standard Oil Company, Whiting, Ind. Distillation of hydrocarbon oils. 2,039,979; May 5.
Payne, Clarence Q., Shippan Point, Stamford, Conn. Method and apparatus for roasting and heat treating ores and minerals. 2,039,833; May 5.
Pecknold, Cecil E., Vancouver, British Columbia, Canada. Sanitary girdle. 2,039,446; May 5.
Pederson, Edwin, trustee. (See Adams, Royal E., assignor.)
Peltser, Albert, Jr., Palo Alto, assignor to Merco Centrifugal Separator Co. Ltd., San Francisco, Calif. Starch manufacturing process. 2,039,605; May 5.
Perkins, Edward H., and H. E. Mills, Midland, assignors, by mesne assignments, to Whitehead & Kales Company, River Rouge, Mich. Semitrailer. 2,039,492; May 5.
Perkins, Ralph P. (See Putnam, M. E., Britton, and Perkins.)
Perry, Stanley. (See Schroeder, O. C., and Perry.)
Perser Corporation, The. (See Ives, Herbert E., assignor.)
Peterkin, Albert G., Jr., Bryn Mawr, assignor to The Atlantic Refining Company, Philadelphia, Pa. Treating hydrocarbon oils. 2,040,064; May 5.

Petersen, George E., assignor to W. H. Grundy Company, Inc., Bristol, Pa. Apparatus for treating wool or other material. 2,039,834; May 5.
Petersen, Roy S. (See Andrews, C. W., and Petersen.)
Petersen, Roy S., San Antonio, Tex., and C. W. Andrews, assignors to Brassert-Tidewater Development Corporation, Chicago, Ill. Coking hydrocarbons. 2,039,835; May 5.
Philips, William E., Chicago, Ill., assignor to Link Belt Company, Building levees. 2,040,022; May 5.
Phipps, John T., Los Angeles, assignor to S. R. Bowen Company, Huntington Beach, Calif. Rotary bit. 2,039,551; May 5.
Pleistick, Gustav, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany. Spring element. 2,039,342; May 5.
Pilkington Brothers Limited. (See Gaskell, J., and Watt, assignors.)
Pinkerton, H. D., et al. (See Mikulic, Nilos N., assignor.)
Pittsburgh Tube Company. (See Spillman, Charles O., assignor.)
Pixley, Milton A., Columbus, Ohio. Closure. 2,039,447; May 5.
Place, Bion C. (See Gagnier, George E., assignor.)
Platen-Munters Refrigerating System. (See Munters, C. G., and Lenning, assignors.)
Poglein, Louis, assignor to McKee Glass Company, Jeannette, Pa. Glass annealing nesting rack. 2,039,927; May 5.
Polson, Adolph. (See Weiss, H., and Polson.)
Pope Machinery Corporation. (See Watt, George T., assignor.)
Ponovich, Nicholas, Teaneck, N. J., assignor of one-third to J. A. Taferner and one-third to L. J. Schlitzer, New York, N. Y. Artificial eye for dolls. 2,039,928; May 5.
Poppe, George W., assignor to Equitable Paper Bag Co., Inc., Brooklyn, N. Y. Machine and process for making bags. 2,039,980; May 5.
Porcelli, Alfonso, Hollis, N. Y. Elevator safety device. 2,039,606; May 5.
Postel, Edward E. (See Lockhart, M. L., and Postel.)
Potter, Albert T., Detroit, Mich., assignor to Ainsworth Manufacturing Company. Windshield frame. 2,039,836; May 5.
Powers, Donald H., Moorestown, N. J., and L. H. Bock, Bristol, assignors to Röhm & Haas Company, Philadelphia, Pa. Mercerizing. 2,040,065; May 5.
Powers, Milton A., assignor to The Timken Silent Automatic Company, Detroit, Mich. Liquid fuel burning apparatus. 2,039,607; May 5.
Procter & Gamble Company, The. (See Moore, Jack H., assignor.)
Products Protection Corporation. (See Olving, Bror G., assignor.)
Prokul, Michael, Maplewood, N. J. Two-seal inner tube. 2,039,343; May 5.
Puch, John D., Baltimore, Md. Metallurgical furnace 2,039,738; May 5.
Putnam, Mark E., M. C. Britton, and R. P. Perkins, assignors to The Dow Chemical Company, Midland, Mich. Making tertiary alkyl phenols. 2,039,344; May 5.
Pyle, John V. (See Kennedy, J. E., and Pyle.)
Pym, Arthur F., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping shoe uppers. 2,039,448; May 5.
Quick, Cecil G. (See Mills, T. J., Quick, and Ball.)
Quilliam, Samuel T., Manchester, England, assignor to Cheatham Electric Switching Device Co., Incorporated, Louisville, Ky. Sealing means for electric switch ground boxes. 2,039,498; May 5.
Radcliff, John P., Bloomfield, and P. G. Edwards, Verona, N. J., assignors to American Telephone and Telegraph Company. Gas-filled discharge tube system. 2,039,449; May 5.
Radio Condenser Company. (See Cramer, Stanley S., assignor.)
Radio Corporation of America. (See Adler, Benjamin, assignor.)
Radio Corporation of America. (See Carter, Philip S., assignor.)
Radio Corporation of America. (See Chadkin, Jason A., assignor.)
Radio Corporation of America. (See Clay, Murray G., assignor.)
Radio Corporation of America. (See O'Brien, William J., assignor.)
Radio Corporation of America. (See Robinson, Harris A., assignor.)
Radio Corporation of America. (See Schade, Otto H., assignor.)
Radio Corporation of America. (See Stevens, C. E., and Taber, assignors.)
Radio Corporation of America. (See Taber, William T., assignor.)
Radio Corporation of America. (See Travis, Charles, assignor.)
Radio Corporation of America. (See Yolles, Jacob, assignor.)
Radio Patents Corporation. (See Harz, Hermann, assignor.)
Raiche, Paul A., Providence, R. I., assignor to Davol Rubber Company. Stripping apparatus. 2,039,626; May 5.
Ralston, Anderson W., and C. W. Christensen, assignors to Armour and Company, Chicago, Ill. Insulating and dielectric material for electrical apparatus. 2,039,837; May 5.
Ranger, Richard H., Newark, N. J. Electrical musical instrument. 2,039,659; May 5.
Ravenscroft, Edward A., Glencoe, Ill. Bottle mouth. 2,039,345; May 5.
Raymond Bag Company, The. (See Sharkey, William E., assignor.)
Reams, George H., assignor, by mesne assignments, to Winchester Repeating Arms Company, New Haven, Conn. Laundry machine. 2,039,660; May 5.
Redmond, Frederic J. (See Gleason, D. H., and Redmond.)
Reed, Lyman C., assignor to Reed Unit-Fans, Inc., New Orleans, La. Window ventilator. 2,039,846; May 5.
Reed Roller Bit Company. (See Behnke, Guy E., assignor.)
Reed Unit-Fans, Inc. (See Reed, Lyman C., assignor.)
Reese, Harry D. (See Harris, W. R., and Reese.)
Refining, Inc. (See Thurman, B. H., Thomas, and Mattikow, assignors.)
Reichstein, Tadeus, Zurich, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J. Manufacture of 2-keto-levo-gulonic acid and product thereof. 2,039,929; May 5.
Reid, William M. (See Collins, R. D., Reid, and Bourne.)
Reider, Louis. (See Wolf, M., and Reider.)
Reiners, Wilhelm, and G. Kahlisch, assignors to W. Schlafhorst & Company, Gladbach-Rheydt, Germany. Winding machine with mechanical charging of bobbins. 2,040,023; May 5.
Rembert, Ernest W., Plainfield, assignor of three-fourths to Tide Water Oil Company, Bayonne, N. J. Treating hydrocarbon oils. 2,039,981; May 5.
Remington Arms Company. (See Loomis, Crawford C., assignor.)
Renault, Louis. (See Salves, Léon, assignor.)
Resinox Corporation. (See Sturken, O., and Woodruff, assignors.)
Reuter, Raymond. (See Geniesse, J. C., and Reuter.)
Rewald, Bruno A., Hamburg, Germany, assignor, by mesne assignments, to American Lecithin Company, Cleveland, Ohio. Production of a lecithin nutrient material. 2,039,739; May 5.
Reynolds, Marvin C. (See Harris, B. R., and Reynolds.)
Reynolds, W. H., Company. (See Reynolds, William H.)
Reynolds, William H., assignor of three-eighths to J. B. Sheehan and three-eighths to H. G. Veeder, doing business together with said W. H. Reynolds, Schenectady, under firm name of W. H. Reynolds Company, Albany, N. Y. Target. 2,039,552; May 5.
Rhodes, Edmund O., Pittsburgh, Pa., assignor to American Tar Products Co., Inc. Treating road surfaces. 2,039,450; May 5.
Rich, Charles A., Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Machine for fashioning articles successively from bar stock. 2,039,347; May 5.
Richard, Leroy L., Visalia, Calif. Convertible table. 2,039,348; May 5.
Richards, Carroll H., Stow, Mass. Power transmission mechanism. 2,039,451; May 5.
Richards, Henry L., Washington, D. C. Vacuum cleaner dust bag. 2,039,741; May 5.
Richards-Wilcox Manufacturing Company. (See Tamsitt, Joseph C., assignor.)
Richardson, Frederick G. (See Nagy, James A., assignor.)
Rickenbacher, Robert J., Columbus, assignor to The Kilgore Mfg. Company, Westerville, Ohio. Machine gun. 2,039,930; May 5.
Riggs, Clyde A., assignor of one-fourth to N. Levin, Trenton, N. J., and three-tenths to Margate Hosiery Mills Incorporated, Chattanooga, Tenn. Hosiery. 2,039,931; May 5.
Riggs, Clyde A., Chattanooga, Tenn., assignor of one-fourth to N. Levin, Trenton, N. J., and three-tenths to Margate Hosiery Mills Incorporated, Chattanooga, Tenn. Making hosiery. 2,039,932; May 5.
Rittenour, John D., New Kensington, Pa. Film operated switch mechanism. 2,039,661; May 5.
Robar Company, The. (See Barth, John, assignor.)
Roberts, George, Ann Arbor, Mich. Container. 2,040,024; May 5.
Roberts, Philip H., Medford, Mass. Automatic valve control. 2,039,662; May 5.
Robertson, H. H., Company. (See Heppenstall, Thomas A., assignor.)
Robinson, Harold H., assignor to Curtiss Aerocar Company, Inc., Coral Gables, Fla. Tank trailer. 2,039,452; May 5.
Robinson, Harris A., Philadelphia, Pa., assignor to Radio Corporation of America. Receiver manual and automatic gain control circuits. 2,039,663; May 5.
Robson, George, assignor to The Union Steel Corporation (of South Africa) Limited, Johannesburg, Union of South Africa. Bottom-casting hollow ingots. 2,039,453; May 5.
Roebling's, John A., Sons Company. (See Morgan, Archibald J., assignor.)
Roehm, Erwin G. (See Romaine, M., and Roehm.)

Roehrl, Bruno C., Binghamton, N. Y. Emergency-brake and gear-shift control. 2,039,553; May 5.
Rogers, Kay. (See Kline, T. S., and Rogers.)
Rogers, Louis J., Albion, Pa. Vehicle wheel for dual demountable rims. 2,039,554; May 5.
Röhm & Haas Company. (See Bruson, Herman A., assignor.)
Röhm & Haas Company. (See Powers, D. H., and Bock, assignors.)
Romaine, Millard, Cincinnati, and E. G. Roehm, Norwood, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Planetary milling machine. 2,039,349; May 5.
Rooney, Walter E., Bellingham, Wash., assignor to American Can Company, New York, N. Y. Fish-canning machine. 2,039,350; May 5.
Roren, Albert H. (See Clarke, C. A., and Wright, assignors.)
Rosenstein, Ludwig, San Francisco, Calif. Forming tetrathionate solutions. 2,039,555; May 5.
Ross, Laurie E., Portland, Oreg. Game. 2,039,352; May 5.
Rossetter, Charles F., Eagle Rock, assignor to P. Hawkins, Hollywood, Calif. Drive device. 2,039,664; May 5.
Rossetter, Charles F., Eagle Rock, assignor to P. Hawkins, Hollywood, Calif. Reversing transmission. 2,039,665; May 5.
Rossmann, Rudolf, Gauting, near Munich, Germany, assignor to the firm Tefag Textil-Finanz A.-G., Zurich, Switzerland. Weaving of fabrics. 2,039,454; May 5.
Rupert Diecasting & Stamping Corporation. (See Rupert, Richard, assignor.)
Rupert, Richard, assignor to Rupert Diecasting & Stamping Corporation, Kansas City, Mo. Automatic faucet. 2,039,933; May 5.
Ruse, Harry R., Baltimore, Md. Beverage cooler. 2,039,556; May 5.
Russell, Vesper C., Red Boiling Springs, Tenn. Churn. 2,039,934; May 5.
Ruzicka, Anton, Chicago, Ill. Land and water vehicle. 2,039,608; May 5.
S K F Industries, Inc. (See Benson, Carl N., assignor.)
Saal, Alice M., et al., executrix. (See Saal, Henry G.)
Saal, Henry G., deceased, McHenry, Ill.; A. M. Saal and V. L. Foulds, executrices of the estate. Automatic release device for phonograph records. 2,039,557; May 5.
Sacks, Eli, and C. Steinborn, Brooklyn, N. Y. Safety delivery container. 2,039,935; May 5.
St. Louis Basket & Box Corporation. (See Meinhardt, John W., assignor.)
Salves, Léon, assignor to L. Renault, Billancourt, France. Window for vehicle doors. 2,039,455; May 5.
Sammarone, Amato N., Akron, Ohio. Electric motor unit. 2,039,456; May 5.
Sanders, John M., assignor to Sanders Manufacturing Company, Incorporated, Atlanta, Ga. Rotisserie. 2,040,016; May 5.
Sanders Manufacturing Company Incorporated. (See Sanders, John M., assignor.)
Sanderson, Ray R., Orrville, Ohio. Drill bit. 2,039,494; May 5.
Santurello, Peter, Columbus, Ohio. Hair-waving apparatus. 2,039,558; May 5.
Sapp, John, Republic, Pa. Football game and apparatus. 2,039,740; May 5.
Saudicoeur, Louis J., Villeurbanne, France. Compressed air circuit breaker with movable piston. 2,039,838; May 5.
Savich, Gavro, East Akron, Ohio. Spinning toy. 2,039,609; May 5.
Schad, Konrad. (See Meder, G., and Schad.)
Schade, Otto H., West Orange, N. J., assignor to Radio Corporation of America. Volume control for reflex circuits. 2,039,666; May 5.
Schaffer, Mathew H. (See Cocks, Ambrose W., assignor.)
Schaller, Warren G., New York, N. Y. Molding and movable base receptacle. 2,039,982; May 5.
Scharlau, Hans. (See Leib, A., and Scharlau.)
Schering-Kahlbaum A. G. (See Hildebrandt, F., and Schwenk, assignors.)
Schinkez, Albert. (See Smith, E. R., and Schinkez.)
Schinzel, Charles, Troppau, Czechoslovakia. Manufacture of sound records. 2,039,742; May 5.
Schlafhorst, W., & Company. (See Reiners, W., and Kahlisch, assignors.)
Schlirf, Robert P., St. Paul, Minn. Vehicle construction. 2,039,983; May 5.
Schlitzer, Leo J., et al. (See Popovich, Nicholas, assignor.)
Schloemann Aktiengesellschaft. (See Albers, Heinrich, assignors.)
Schlosser, Theon J., Ilmo, Mo. Speed governor. 2,039,495; May 5.
Schmeiser, Theodore G., Fresno, Calif. Grouser for tractors. 2,039,496; May 5.
Schmidt, Karl. (See Wahl, O., Teupel, and Schmidt.)
Schober, Carl, South Pasadena, Calif. Cutting machine. 2,039,457; May 5.
Scholtes, Josef. (See Stöppel, Maximilian, assignor.)
Schreiber, Evelyn. (See Bear, Joseph S., assignor.)
Schroeder, Oscar C., Chicago, Ill. Oil combustion apparatus. 2,039,937; May 5.
Schroeder, Oscar C., and S. Perry, said Perry assignor to Automatic Burner Corporation, Chicago, Ill. Oil combustion apparatus. 2,039,936; May 5.
Schulte, Josef, assignor to Vereinigte Leichmetallwerke Gesellschaft mit beschränkter Haftung, Bonn-on-the-Rhine, Germany. Aluminum alloys. 2,039,458; May 5.
Schultz, Frederick W., Wichita, Kans. Sandblast nozzle. 2,039,938; May 5.
Schwarze Electric Company. (See Von Voigtlander, Frederick, assignor.)
Schwenk, Erwin. (See Hildebrandt, F., and Schwenk.)
Scott & Williams, Incorporated. (See Paquette, Roland J., assignor.)
Scovill Manufacturing Company. (See Bennett, Morris H., assignor.)
Seaver, Jay J., C. E. Dougan, and H. L. Wetherbee, assignors to H. A. Brassert & Company, Chicago, Ill. Gas washer. 2,039,540; May 5.
Segal, Hyman R., New York, N. Y. Cigarette case. 2,039,559; May 5.
Segal, Hyman R., New York, N. Y. Cosmetic holding device. 2,039,560; May 5.
Seguy, Jean D., assignor to Universal Oil Products Company, Chicago, Ill. Treating hydrocarbons. 2,039,459; May 5.
Seidel, Arnold, Berlin-Charlottenburg, Germany. Vaporizer for internal combustion engines. 2,039,353; May 5.
Seibel, Rudolf, Dusseldorf-Oberkassel, Germany. Beer clarifier. 2,039,839; May 5.
Seidel, Arnold, Berlin-Charlottenburg, Germany. Heavy oil carburetor. 2,039,354; May 5.
Seneca Falls Machine Company. (See Smith, E. R., and Schinkez, assignors.)
Servel, Inc. (See Forsberg, Erik A., assignor.)
Shafer, Julius E., Chicago, Ill. Car wheel journal bearing. 2,039,351; May 5.
Shahu, Ram S., Fatehgarh, British India. Combined luggage carrier and seat. 2,039,939; May 5.
Sharkey, William E., assignor to The Raymond Bag Company, Middletown, Ohio. Bag supporting device. 2,039,561; May 5.
Sheehan, John R., et al. (See Reynolds, William H., assignor.)
Shell Development Company. (See Lorang, Hermanus F. J., assignor.)
Shenk, George B. (guardian). (See Ziegler, George J.)
Sheppard, Samuel E., assignor to Eastman Kodak Company, Rochester, N. Y. Infusible molded product. 2,039,743; May 5.
Sherman, John C. (See Burke, E., and Sherman.)
Shodron, John G., assignor to James Manufacturing Company, Fort Atkinson, Wis. Round ended building. 2,039,562; May 5.
Siemens Brothers & Company Limited. (See Grinsted, W. H., and Tees, assignor.)
Sievers, Otto. (See Benda, L., and Sievers.)
Silaj, Thomas S., assignor of one-half to X. G. Lambros, Detroit, Mich. Combination shrimp cleaner and culinary implement. 2,039,850; May 5.
Silverman, Daniel, Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric power system. 2,039,851; May 5.
Simonds, Herbert R., Oakwood, assignor to Simonds Worden White Company, Dayton, Ohio. Method and apparatus for testing grinding wheels and the like. 2,039,563; May 5.
Simonds Worden White Company. (See Simonds, Herbert R., assignor.)
Simons, Robert J., Springfield, Mass. Brush hanger. 2,039,497; May 5.
Simpson, J. F. (See Cote, Charles H., assignor.)
Sims, Edwin W. (See Spralling, Jacob L., assignor.)
Sinclair Company, The. (See Sinclair, P. S., and Gosling, assignors.)
Sinclair, Peter S., and K. C. Gosling, assignors to The Sinclair Company, Holyoke, Mass. Dandy roll. 2,039,610; May 5.
Sirian Lamp Company. (See Braselton, Chester H., assignor.)
Slye, Edward A., Burnside, assignor to Veeder-Root Incorporated, Hartford, Conn. Predetermined count mechanism. 2,040,025; May 5.
Smalley, Dave E., assignor to Continental Car-Na-Var Corporation, Brazil, Ind. Rug scrubbing brush. 2,039,356; May 5.
Smith, A. O., Corporation. (See Burgess, Edward W., assignor.)
Smith, A. O., Corporation. (See Tiedemann, Julius B., assignor.)
Smith, Edwin R., and A. Schinkez, assignors to Seneca Falls Machine Company, Seneca Falls, N. Y. Work handling mechanism for machine tools. 2,040,028; May 5.
Smith, Elmer H., assignor to Smith Welding Equipment Corporation, Minneapolis, Minn. Beer dispensing apparatus. 2,039,564; May 5.
Smith, Harold K., Oak Park, Ill., assignor to The Symington Company, Rochester, N. Y. Side frame and journal box. 2,039,357; May 5.
Smith, Henry B., assignor to Eastman Kodak Company, Rochester, N. Y. Cellulose organic ester composition containing an alpha-substituted phenylethyl alcohol. 2,039,744; May 5.
Smith, James W. (See Dalton, H. G., and Smith.)

Smith, Joseph W., Stanaford, W. Va. Car lock for mine cars. 2,039,984; May 5.
Smith, Morris, Chester, Mont. Rack or body for wagons and trucks. 2,039,667; May 5.
Smith, Robert J., Baltimore, Md. Motorbus construction. 2,039,460; May 5.
Smith Welding Equipment Corporation. (See Smith, Elmer H., assignor.)
Smith, Wiley C. (See Frey, R. W., and Smith.)
Smoot Engineering Corporation. (See O'Connor, George K., assignor.)
Smullin, Edmond O., Clay Center, Kans. Musical instrument. 2,039,985; May 5.
Smutny, Theodore J., assignor to Collegiate Mfg. Co., Inc., New York, N. Y. Combination beach robe and rug. 2,040,029; May 5.
Snyder, Aulden D., Cleveland, and A. F. Maier, Cleveland Heights, Ohio. Material fusing and projecting apparatus. 2,040,030; May 5.
Snyder, Harold E., assignor to C. I. McAllister, Massillon, Ohio. Lapping method and apparatus. 2,039,852; May 5.
Società Italiana Pirelli. (See Emanueli, Luigi, assignor.)
Society of Chemical Industry in Basle. (See Gyr, Joseph, assignor.)
Sparling, Jacob L., Bay City, Mich., assignor of one-half to E. W. Sims, Chicago, Ill. Slip-on band for V-belts. 2,039,461; May 5.
Spaunburg, Harvey L., Bristol, Conn., assignor to Veeder-Root Incorporated, Counter. 2,040,026; May 5.
Spaunburg, Harvey L., Bristol, Conn., assignor to Veeder-Root Incorporated, Counter. 2,040,031; May 5.
Speik, Frederick A., South Pasadena, Calif. Mop and making same. 2,039,565; May 5.
Spencer, John A., Newtonville, Mass., assignor to General Plate Company, Attleboro, Mass. Thermally operated valve. 2,039,358; May 5.
Sperry Gyroscope Company. (See House, Frank R., assignor.)
Sperry Gyroscope Company. (See Moseley, Francis L., assignor.)
Spillman, Charles O., Beaver, assignor to Pittsburgh Tube Company, Pittsburgh, Pa. Butt-weld pipe. 2,039,746; May 5.
Stacey Bros Gas Construction Company, The. (See Luebbe, Raphael B., assignor.)
Stacey, Ernest W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Foxing cementing machine. 2,039,359; May 5.
Staffer, John. (See Freda, V., Staffer, and Sunderland.)
Staley, J. Wayne, Mount Pulaski, Ill. Warning signal for vehicles. 2,039,360; May 5.
Standard Car Truck Company. (See Webb, Edwin W., assignor.)
Standard Oil Company. (See Adams, E. W., and Flint, assignors.)
Standard Oil Company. (See Paulus, M. G., and Thompson, assignors.)
Standard Sanitary Manufacturing Company. (See Tafel, Theodore, Jr., assignor.)
Standard Stoker Company, The. (See Anderson, Howard P., assignor.)
Standard Stoker Company, The. (See Lippert, Henry E., assignor.)
Stanley, Henry M. (See Brown, Joseph F., assignor.)
Stapling Machines Co. (See Stivers, Earl R., assignor.)
Steel Wheel Corporation, The. (See Kliesrath, Victor W., assignor.)
Steele, Ray N., and E. E. McIlvain; said McIlvain, assignor to Said Steele, Cedar Rapids, Iowa. Piston. 2,040,032; May 5.
Steinberg, Bernhard, assignor to Toledo Hospital, Toledo, Ohio. Preventive inoculation, more particularly for peritonitis. 2,039,940; May 5.
Steinborn, Curt. (See Sacks, E., and Steinborn.)
Stenger, Edwin P., and A. O. Bruestle, assignors to The Cincinnati Mine Machinery Company, Cincinnati, Ohio. Bit block. 2,039,747; May 5.
Stenhouse, David, Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Method of and apparatus for melting glass by electricity. 2,039,853; May 5.
Stevens, Charles W., assignor to The Lattimer-Stevens Company, Columbus, Ohio. Hanger structure for meters. 2,039,748; May 5.
Stevens, Clifford E., Glen Ridge, and W. T. Taber, Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electroacoustic device. 2,039,854; May 5.
Stevens, J., Arms Company. (See Jefferson, Charles J., assignor.)
Stevens, William H. (See Dougherty, A. P., and Stevens.)
Still, Andrew L., Los Angeles, Calif. Process and apparatus for cracking oil. 2,039,611; May 5.
Still, W. M., & Sons Limited. (See Jones, Alfred, assignor.)
Stivers, Earl R., Rockaway, N. J., assignor to Stapling Machines Co. Partition for compartment boxes or crates. 2,039,612; May 5.
Stokely, Ray L., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,039,668; May 5.
Stone, Nathaniel B., Washington, D. C. Chuck. 2,039,855; May 5.
Stonecipher, Oscar J., Taylorville, Ill., assignor of one-half to A. Lang, Indianapolis, Ind. Clamping wires and wire clamp. 2,039,462; May 5.
Stöppel, Maximilian, Lippstadt, assignor to Josef Scholtes, Dusseldorf, Germany. Apparatus for cutting foods and the like. 2,040,017; May 5.
Storm Manufacturing Co. Inc. (See Hane, Carl O., assignor.)
Storm Manufacturing Co. (See Lundell, J. M., and Hane, assignors.)
Storsand, Bjorn R., San Francisco, Calif. Ore jig. 2,039,613; May 5.
Strattner, Frederick. (See Wagner, W. C., and Strattner.)
Strehlow, Walter F., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Steering mechanism for motor vehicles. 2,039,749; May 5.
Sturken, Oswald Leonia, N. J., and J. C. Woodruff, Terre Haute, Ind., assignors to Resinox Corporation, New York, N. Y. Production of plastic material from protein. 2,040,033; May 5.
Sullivan, Joseph M., Jackson Heights, N. Y. Combination screen and awning. 2,039,745; May 5.
Sullivan Machinery Company. (See Gartin, Elmer G., assignor.)
Sullivan Machinery Company. (See Holmes, Morris P., assignor.)
Sunderland, Louis. (See Freda, V., Staffer, and Sunderland.)
Svenska Ackumulator Aktiebolaget Junguer. (See Gustafsson, Nils G. A., assignor.)
Swan, Joseph H., 3d, assignor to The Gardner-Richardson Company, Middletown, Ohio. Paper manufacture. 2,039,361; May 5.
Swank, James W. (See Calkins, B. M., and Swank.)
Swanson, Hjalmar A., assignor to Cummins Perforator Company, Chicago, Ill. Check signing and indorsing mechanism. 2,039,566; May 5.
Swift, Claude E. (See Dillon, L., and Swift.)
Swift, George W., Jr., Inc. (See Swift, George W., Jr., assignor.)
Swift, George W., assignor to G. W. Swift, Jr., Inc., Bordentown, N. J. Corrugated paperboard machine. 2,039,750; May 5.
Sylvania Industrial Corporation. (See Wickmann, Paul A., assignor.)
Symington Company, The. (See Smith, Harold K., assignor.)
Syncro Sound, Inc. (See Murdock, Sidney A., assignor.)
Taber, William T. (See Stevens, C. E., and Taber.)
Taber, William T., Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electroacoustic device. 2,039,856; May 5.
Ta'Bois, Percival L., London, assignor of one-half to I. Tuckett, Cowes, Isle of Wight, England. Automatic calendar. 2,039,567; May 5.
Tade, Leroy A., Claremont, Calif. Trailer hitch coupling. 2,039,689; May 5.
Tafel, Theodore, Jr., Ben Avon, Pa., assignor to Standard Sanitary Manufacturing Company. Dish-supporting rack. 2,039,362; May 5.
Taferner, Joseph A., et al. (See Popovich, Nicholas, assignor.)
Tallerdy, Willard B., Bridgeport, Conn. Air brake system and bleeder valve therefor. 2,039,751; May 5.
Tamsitt, Joseph C., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill. Elevator signal apparatus. 2,039,568; May 5.
Tanning Process Company, The. (See Merritt, Matthew M., assignor.)
Tarbox, John P., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Railway vehicle tire. 2,039,498; May 5.
Tatter, John W., Detroit, assignor of one-half to G. B. Ingersoll, Dearborn, Mich. Clutch. 2,040,034; May 5.
Taylor, John J., Barberton, assignor to The Ohio Brass Company, Mansfield, Ohio. Strain yoke for electrical conductors. 2,039,499; May 5.
Taylor, John J., Wadsworth, assignor to The Ohio Brass Company, Mansfield, Ohio. Assembling insulators. 2,039,500; May 5.
Taylor, John J., Wadsworth, assignor to The Ohio Brass Company, Mansfield, Ohio. Trunnion clamp for conductors. 2,039,501; May 5.
Tees, James E. (See Grinsted, W. H., and Tees.)
Tefag Textil-Finanz A.-G. (See Rossmann, Rudolf, assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Leib, A., and Scharlau, assignors.)
Tennessee Valley Authority. (See Curtis, Harry A., assignor.)
Tenney, William G., Chicago, Ill. Battery terminal. 2,039,669; May 5.
Ternstedt Manufacturing Company. (See Andersen, A. C., and Bowlus, assignors.
Terry, Edward F., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Locking device. 2,039,941; May 5.
Teupel, Ernst. (See Wahl, O., Teupel, and Schmidt.)
Texas Company, The. (See Manley, Robert E., assignor.)
Texas Company, The. (See Manley, R. E., and Gross, assignors.
Thomas, Arthur W. (See Thurman, B. H., Thomas, and Mattikow.)

Thomas, Charles A., assignor, by mesne assignments, to Monsanto Petroleum Chemicals, Inc., Dayton, Ohio. Prepared resin. 2,039,363; May 5.

Thomas, Charles A., assignor, by mesne assignments, to Monsanto Petroleum Chemicals, Inc., Dayton, Ohio. Protective coating material. 2,039,365; May 5.

Thomas, Charles A., assignor to Dayton Synthetic Chemicals, Inc., Dayton, Ohio. Coating composition. 2,039,366; May 5.

Thomas, Charles A., assignor to Monsanto Petroleum Chemicals, Inc., Dayton, Ohio. Prepared resin. 2,039,367; May 5.

Thomas, Charles A., and C. A. Hochwalt, assignors, by mesne assignments, to Monsanto Petroleum Chemicals, Inc., Dayton, Ohio. Protective coating. 2,039,364; May 5.

Thomas, Frederick, assignor to Keystone Index Card Company, Philadelphia, Pa. Filing card or loose leaf. 2,039,752; May 5.

Thompson, Andrew E. (See Paulus, M. G., and Thompson.)

Thompson, George H., Oldham, England. Yarn and fabric. 2,039,569; May 5.

Thompson, William D., assignor to Hutchins Car Roofing Company, Detroit, Mich. Car roof for hopper cars. 2,039,502; May 5.

Thornton, Elliot I., Slaton, Tex. Pump. 2,039,570; May 5.

Thurman, Benjamin H., Bronxville, A. W. Thomas, New York, and M. Mattikow, Brooklyn, N. Y., assignors, by mesne assignments, to Refining, Inc., Reno, Nev. Oil-proofing material and product thereof. 2,039,753; May 5.

Tidd, Warren H. (See Green, E. I., and Tidd.)

Tide Water Oil Company. (See Rembert, Ernest W., assignor.)

Tiedemann, Julius B., assignor to A. O. Smith Corporation, Milwaukee, Wis. Machine drive. 2,039,754; May 5.

Tiedemann, Julius B., assignor to A. O. Smith Corporation, Milwaukee, Wis. Machine and work positioning mechanism. 2,039,755; May 5.

Tilton, Fred N., Hartford, Conn. Screw. 2,039,368; May 5.

Timken Silent Automatic Company, The. (See Powers, Milton A., assignor.

Tinnerman, Albert H., Cleveland, Ohio. Stove construction. 2,039,614; May 5.

Titanium Pigment Company. (See McCallum, Jean, assignor.)

Titone, Joseph. (See Mendel, W., and Titone.)

Tjaarda, John, Birmingham, assignor to Briggs Manufacturing Company, Detroit, Mich. Instrument panel. 2,039,503; May 5.

Toledo Hospital. (See Steinberg, Bernhard, assignor.

Tornberg, Isidor, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web splicing device. 2,039,463; May 5.

Tout, Otis B., San Diego, Calif. Clothesline canopy. 2,039,504; May 5.

Trainer, James E., Barberton, Ohio, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Fin tube manufacture. 2,039,660; May 5.

Travani, Celso, Milford, Mass. Clamping device. 2,039,369; May 5.

Travis, Charles, Philadelphia, Pa., assignor to Radio Corporation of America. Automatic volume control receiver. 2,039,615; May 5.

Treiber, Otis D., assignor to Hercules Motors Corporation, Canton, Ohio. Internal combustion engine and fuel pump apparatus therefor. 2,039,942; May 5.

Trico Products Corporation. (See Horton, Erwin C., assignor.)

Trico Products Corporation. (See Hueber, H., and Horton, assignors.)

Trott, Rolland S., Denver, Colo. Clutch control mechanism. 2,040,035; May 5.

Troup, Lloyd V., Saginaw, Mich. Apparatus for lowering and handling burial vaults. 2,039,464; May 5.

Trumbull Electric Manufacturing Company, The. (See Harvey, Frank, assignor.

Truscon Steel Company. (See Kahn, J., and MacLeod, assignors.)

Tschermak-Seysenegg, Armin, Prague, Czechoslovakia, assignor to the firm Carl Zeiss, Jena, Germany. Spectroscopic monochromator. 2,039,355; May 5.

Tuckett, Ivor. (See Ta'Bois, Percival L., assignor.)

Turner & Newall Limited. (See Dalton, H. G., and Smith, assignors.)

Tuttle, Fordyce E., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic printing apparatus. 2,039,691; May 5.

Tyler, W. S., Company, The. (See Farch, Mogens N., assignor.)

Union Carbide and Carbon Corporation. (See Lytle, Arthur R., assignor.)

Union Carbide and Carbon Corporation. (See Mesinger, William F., assignor.)

Union Metal Products Company. (See Gilpin, Garth G., assignor.)

Union Oil Company of California. (See Dillon, L., and Swift, assignors.)

Union Steel Corporation (of South Africa) Limited, The. (See Robson, George, assignor.)

Union Switch & Signal Company, The. (See Fallor, Charles W., assignor.)

Union Switch & Signal Company, The. (See McCann, R. A., and Young, assignors.)

Union Switch & Signal Company. (See Nicholson, Frank H., assignor.)

Union Switch & Signal Company, The. (See Wallace, Herbert A., assignor.)

United Engineering & Foundry Company. (See McBane, Walter W., assignor.)

United Shoe Machinery Corporation. (See Lawson, Axel A., assignor.)

United Shoe Machinery Corporation. (See Pym, Arthur F., assignor.)

United Shoe Machinery Corporation. (See Stacey, Ernest W., assignor.)

United States Gypsum Company. (See Balduf, Bruno E., assignor.)

Universal Oil Products Company. (See Alther, Joseph G., assignor.)

Universal Oil Products Company. (See Huff, Lyman C., assignor.)

Universal Oil Products Company. (See Ipatieff, Vladimir, assignor.)

Universal Oil Products Company. (See Morrell, Jacque C., assignor.)

Universal Oil Products Company. (See Seguy, Jean D., assignor.)

Ursinus, Otto, assignor to firm Emil Busch, Aktiengesellschaft, Optische Industrie, Rathenow, Germany. Comparison macroscope. 2,040,066; May 5.

Vanadium-Alloys Steel Company. (See McKenna, Philip M., assignor.)

Van Patten, Charles D. (See Eddy, G. G., and Van Patten.)

Van Raalte Company. (See Carlson, Ellsworth E., assignor.)

Van Tongeren, Hermannus, Heemstede, Netherlands. Dust collector. 2,039,692; May 5.

Vaughn, John L., Cicero, Ill., assignor, by mesne assignments, to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Automatic phonograph. 2,039,756; May 5.

Veeder, Harold G., et al. (See Reynolds, William H., assignor.)

Veeder-Root Incorporated. (See Northrop, Frank E., assignor.)

Veeder-Root Incorporated. (See Slye, Edward A., assignor.)

Veeder-Root Incorporated. (See Spaunburg, Harvey L., assignor.)

Vereinigte Leichmetallwerke Gesellschaft mit beschränkter Haftung. (See Schulte, Josef, assignor.)

Verschelden, Alphonso T., St. Mary's, Kans. Wire stretcher. 2,039,698; May 5.

Vetorino, Frank, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Welding machine. 2,039,857; May 5.

Vetorino, Frank, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Spot welding apparatus. 2,039,858; May 5.

Vetrano, Leon J., Houston, Tex. Valve mechanism. 2,039,465; May 5.

Victor Adding Machine Company. (See Garbell, Max, assignor.)

Visible Night-and-Day Street-Name Signs, Incorporated. (See Hollister, William C., assignor.)

Visard, William C., assignor, by mesne assignments, to Barbour Welting Company, Brockton, Mass. Welting and shoemaking therewith. 2,039,370; May 5.

Vollmer, Wallace P., Wilton, Conn. Finger protector. 2,039,505; May 5.

Von Till, Louis A., Brooklyn, assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y. Molded cap. 2,039,757; May 5.

Von Voigtlander, Frederick, assignor to Schwarze Electric Company, Adrian, Mich. Diaphragm horn. 2,039,694; May 5.

Wagner, Max, Stuttgart, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Untertürkheim, Germany. Springing arrangement for the wheels of vehicles. 2,039,670; May 5.

Wagner, Max, Stuttgart, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Untertürkheim, Germany. Wheel axle suspension. 2,039,671; May 5.

Wagner, Walter C., Ardmore, and F. Strattner, Manoa, Pa. Testing or proving gas or fluid meters. 2,039,506; May 5.

Wahl, John C., Chicago, Ill., assignor to The Aldine Corporation. Pencil. 2,039,466; May 5.

Wahl, Ottmar, Leverkusen-I. G. Werk, E. Teupel, Leverkusen-Wiesdorf, and K. Schmidt, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyestuffs of the triarylmethane series. 2,039,571; May 5.

Wallace, Henry A., Secretary of Agriculture of the United States of America. (See Frey, R. W., and Smith, assignors.)

Wallace, Herbert A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,039,616; May 5.

Walsh, James F., Nashville, Tenn. Conduit cleaning device. 2,039,467; May 5.

Wardecker, Charles A. (See Lauretti, Placentino, assignor.)

Waterous, Charles A., Brantford, Ontario, Canada. Magazine grinder. 2,039,572; May 5.

Watkins, James E., Niles Center, assignor to Brunt & Company, Chicago, Ill. Container. 2,039,659; May 5.

Watrous, Earl G., Chicago, Ill., L. K. Watrous, executrix of said Earl G. Watrous, deceased. Plumbing apparatus. 2,040,067; May 5.

Watrous, Lillian K. (executrix). (See Watrous, Earl G.)

Watt, George T., Bradford, assignor to Pope Machinery Corporation, Haverhill, Mass. Controlling and lubricating mechanism. 2,039,695; May 5.

Watt, James B. (See Gaskell, J., and Watt.)

Watts, Noble H., Bridgeport, Conn., assignor to General Electric Company. Vacuum cleaner. 2,039,860; May 5.

Watts, Noble H., Bridgeport, Conn., assignor to General Electric Company. Vacuum cleaner. 2,039,861; May 5.

Watts, Noble H., Bridgeport, Conn., assignor to General Electric Company. Vacuum cleaner. 2,039,862; May 5.

Wayne, Thomas E., assignor, by mesne assignments, to Emma B. Blanchette, St. Paul, Minn. Extendible garment support. 2,039,758; May 5.

Webb, Edwin W., assignor to Standard Car Truck Company, Chicago, Ill. Rubber snubber spring. 2,039,759; May 5.

Weber, Don A., assignor to The Deister Concentrator Company, Fort Wayne, Ind. Apparatus for feeding liquid. 2,039,573; May 5.

Weeks, William, Chicago, Ill. Rotary explosive engine. 2,040,036; May 5.

Weiss, Herman, Pelham Manor, and A. Polson, Beechhurst, N. Y. Check device for fire doors. 2,039,468; May 5.

Wenderoth, Osmund L., Baltimore, Md. Container handle. 2,039,574; May 5.

Weniger, Joseph K., assignor to Beaumont Birch Company, Philadelphia, Pa. Container door and charging hole cover. 2,039,761; May 5.

Western Electric Company. (See Kelly, John C., assignor.)

Westinghouse Air Brake Company, The. (See Bush, Rankin J., assignor.)

Westinghouse Air Brake Company, The. (See Chevillot, Alfred, assignor.)

Westinghouse Air Brake Company, The. (See Cotter, George L., assignor.)

Westinghouse Air Brake Company, The. (See Dean, William E., Jr., assignor.)

Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)

Westinghouse Air Brake Company, The. (See Lynn, Ewing K., assignor.)

Westinghouse Air Brake Company, The. (See McCune, Joseph C., assignor.)

Westinghouse Electric & Manufacturing Company. (See Aalborg, Christian, assignor.)

Westinghouse Electric & Manufacturing Company. (See Silverman, Daniel, assignor.)

Wetherbee, Harry L. (See Seaver, J. J., Dougan, and Wetherbee.)

White, Clarence, Walnut Park, and O. B. Graham, assignors to Oil Well Manufacturing Corporation, Los Angeles, Calif. Liner pulling device. 2,039,371; May 5.

Whitehead & Kales Company. (See Perkins, E. H., and Mills, assignors.)

Whitehead, Richard H., assignor to The New Haven Clock Company, New Haven, Conn. Watch construction. 2,039,672; May 5.

Wickersham, Harry P., and H. J. Craig, Los Angeles, Calif. Locked safety joint. 2,039,948; May 5.

Wickersham, Harry P., Huntington Park, Calif., and H. J. Craig, Houston, Tex. Locked drilling safety joint. 2,039,945; May 5.

Wickes Bros. (See Floeter, Frederick S., assignor.)

Wickmann, Paul A., Berlin-Halensee, Germany, assignor of one-fourth to Sylvania Industrial Corporation, New York, N. Y. Insulator. 2,039,372; May 5.

Wiegand, Albert P. (See Wiegand, Edwin L., and A. P.)

Wiegand, Edwin L. and A. P., Pittsburgh, Pa. Forming electrical resistor heating elements. 2,039,760; May 5.

Williams, Allison B., Yazoo City, Miss. Method of and apparatus for evaluating electrical service. 2,039,863; May 5.

Williams, Charles G., Fairfield, Conn., assignor, by mesne assignments, to American Chain Company, Inc., New York, N. Y. Safety guard for highways. 2,039,617; May 5.

Williams, James R., Quincy, Ill. Brooder. 2,039,673; May 5.

Williams, John C., Oakland, Calif. Method of and device for deep sea dredging. 2,039,944; May 5.

Williams Oil-O-Matic Heating Corporation. (See Zellhoefer, Glenn F., assignor.)

Williams, Philip A., Fresno, Calif. Cotton seed delinting machine. 2,039,865; May 5.

Williams, Walter W., Bloomington, Ill. Lubricating system. 2,039,469; May 5.

Willis, Elijah J. (See Kaemmerlen, C. F., and Willis.)

Wilson, Douglas A., Peoria, Ill. Ice depot. 2,039,864; May 5.

Wily, James H., Bethlehem, Pa. Pocket scale. 2,040,037; May 5.

Winchester Repeating Arms Company. (See Reama, George H., assignor.)

Winkelmann, Henry F., Nebraska City, Nebr. Roof flashing. 2,039,674; May 5.

Winterkorn, Albert, Columbus, Ohio. Razor guard. 2,039,575; May 5.

Winthrop Chemical Company. (See Benda, L., and Sievers, assignors.)

Wisbrun, Walter, Dusseldorf, Germany. Foot arch support. 2,039,[illegible] May 5.

Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Footage indicator for photographic apparatus. 2,039,[illegible] May 5.

Wittmann, Marie, New York, N. Y. Nipple for nursing bottles. 2,039,373 [illegible] May 5.

Wolf, Conrad, et al. (See Ziegler, George J., assignor.)

Wolf, Morris, New York, and L. Reider, Yonkers, N. Y. Dress[illegible]t garment. 2,039,946; May 5.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web roll electrical [illegible] control. 2,039,470; May 5.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web roll electrical [illegible] control. 2,039,471; May 5.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Printing press tension device. 2,039,472; May 5.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web roll tab. 2,039,696; May 5.

Wood Newspaper Machinery Corporation. (See Tornberg, Isidor, assignor.)

Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)

Woodard, George H., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Regulating means for refrigerating systems. 2,039,762; May 5.

Woodruff, John C. (See Sturken, O., and Woodruff.)

Woodward, Elmer E., assignor to Woodward Governor Company, Rockford, Ill. Diesel engine governor. 2,039,507; May 5.

Woodward Governor Company. (See Woodward, Elmer E., assignor.)

Worthington Pump and Machinery Corporation. (See Hiller, Nicolai H., assignor.)

Wright, Victor. (See Clarke, C. A., and Wright.)

Wuest, John H., et al. (See Junkin, John C., assignor.)

Wuest, Walter R., et al. (See Junkin, John C., assignor.)

Wulf, Charles A., assignor to American Valve & Enameling Corporation, Indianapolis, Ind. Welding method and apparatus. 2,040,068; May 5.

Wurlitzer, Rudolph, Manufacturing Company, The. (See Vaughn, John L., assignor.)

Yaxley Manufacturing Company. (See Hall, Arthur, assignor.)

Yolles, Jacob, Brooklyn, N. Y., assignor to Radio Corporation of America. Automatic control circuits. 2,039,618; May 5.

Young, Henry S. (See McCann, R. A., and Young.)

Young, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Container. 2,039,374; May 5.

Zap Development Corporation. (See Zaparka, Edward F., assignor.)

Zaparka, Edward F., New York, N. Y., assignor to Zap Development Corporation, Wilmington, N. C. Aircraft. 2,039,676; May 5.

Zecher, Gustav. (See Oosterhuis, E., and Zecher.)

Zeiss, Firm Carl. (See Tschermak-Seysenegg, Armin, assignor.)

Zeiss Ikon Aktiengesellschaft Dresden. (See Küppenbender, Heinz, assignor.)

Zellhoefer, Glenn F., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Air conditioning apparatus. 2,039,375; May 5.

Zetmeir, Emil A., Topeka, Kans. Door hanger. 2,039,866; May 5.

Ziegler, George J., assignor of one-half to C. Wolf and one-fourth to W. M. Gentle, Los Angeles, Calif.; G. B. Shenk, guardian of said C. Wolf, infirm. Apparatus for preparing soil for seeding. 2,040,068; May 5.

Zuckerman, Adolph M., New York, N. Y., and H. P. Clauberg, Hasbrouck Heights, N. J., assignors, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y. Inking mechanism for printing machines. 2,039,867; May 5.

Zukowski, Sylvester, Duluth, Minn. Shoe press heating device. 2,039,868; May 5.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 5TH DAY OF MAY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Fitting for containers. T. W. Rieke. 19,956; May 5.
Gas burner. T. A. Coleman. 19,959; May 5.
Hat brim protector. J. H. Marshall. 19,955; May 5.
Mining apparatus, Explosionproof. M. P. Holmes. 19,954; May 5.
Oxide, Manufacturing nitrous. W. Friedrich. 19,953; May 5.
Splicing device, Quick change. H. A. W. Wood. 19,958; May 5.
Transformer. A. N. Smith. 19,957; May 5.

LIST OF DESIGN INVENTIONS

Armchair. M. B. Smith. 99,556; May 5.
Back and arm rest for a couch or similar article of furniture, Combination. G. A. Johnson. 99,562; May 5.
Bag, Laundry. B. C. Creed. 99,499; May 5.
Bedstead. M. C. Pumphrey. 99,520; May 5.
Belt for personal wear. D. T. Manning. 99,517; May 5.
Box, Battery. R. LeClercq. 99,512–4; May 5.
Box for sales tax, Collection. W. A. Honeyman. 99,561; May 5.
Brassière vest. S. Stein. 99,534; May 5.
Buckle. W. S. Laurie. 99,511; May 5.
Bumper or similar article. H. S. Jandus and B. M. Short. 99,547; May 5.
Camera or similar article. O. W. Githens and G. Kende. 99,544; May 5.
Can opener. G. Lesti. 99,515; May 5.
Case and lighter or the like, Combined cigarette. W. F. Bowen. 99,496; May 5.
Case, Storage battery. C. Reynolds, Jr. 99,552; May 5.
Case, Storage battery. O. O. Rieser. 99,523; May 5.
Chair. M. B. Smith. 99,557; May 5.
Chair. W. F. Spencer, 3d. 99,530; May 5.
Container, Beverage. M. A. Sterling. 99,531; May 5.
Container for jewelry or similar articles, Display. J. Guttman. 99,545; May 5.
Cover, Match. R. Goodman and C. Nabelle. 99,506; May 5.
Covering for cleanser cans and soap flake boxes, Decorative waterproof. B. G. Klein. 99,549; May 5.
Cuff link. V. T. Howard. 99,507; May 5.
Desk. B. H. Talbert. 99,564; May 5.
Dish, Butter. A. Lowenfels. 99,516; May 5.
Dish or similar article. M. Straus. 99,533; May 5.
Dish or similar article. M. Straus. 99,558; May 5.
Dish or similar article, Combined baking and serving. M. A. Smith. 99,555; May 5.
Dispenser, Liquid. S. J. Jacobs. 99,509; May 5.
Fabric, Curtain. I. Weinrub. 99,537; May 5.
Fabric, Knitted pile. S. H. Aibel. 99,493–4; May 5.
Fabric or similar article, Textile. W. Clevedy. 99,498; May 5.
Fabric, Textile. P. A. Vogelman. 99,535; May 5.
Fan, Combined air conditioning and circulating. R. W. Devore. 99,500–1; May 5.
File, Paper. H. L. Schridde. 99,525; May 5.
Flashlight or the like. A. F. Reilly. 99,521; May 5.
Fork or other article of flatware. B. Ellerstein. 99,503; May 5.
Frame, Glider. M. B. Smith. 99,526; May 5.
Glider. E. S. Goldberg. 99,504; May 5.
Glove. W. E. Meyers. 99,566; May 5.
Hair curler. W. H. Schmitt. 99,563; May 5.
Heater. B. B. Kahn. 99,510; May 5.
Holder, Initial or other character bearing. E. S. Mix. 99,519; May 5.
Lamp. L. Rosenfeld. 99,524; May 5.
Meter, Parking. N. M. Seeburg, W. N. Woodruff, and J. A. Shelley. 99,553; May 5.
Mold for lamb patties or the like. H. Geroux. 99,543; May 5.
Nightgown. S. S. Pedlar. 99,551; May 5.
Padlock. S. C. Slaymaker. 99,554; May 5.
Pants, Baby. A. N. Spánel. 99,528; May 5.
Pants, Latex. A. N. Spánel. 99,529; May 5.
Pump, Gasoline dispensing. G. T. Hudspeth. 99,546; May 5.
Rack, Display. W. M. Bodine and W. C. Marshall. 99,539; May 5.
Rack, Grease gun. A. F. Dean. 99,541–2; May 5.
Rack, Grease gun. A. F. Dean. 99,559; May 5.
Shoe. J. E. Andrews. 99,495; May 5.
Shoe. E. Bradley. 99,497; May 5.
Shoe. R. A. Chenoweth. 99,540; May 5.
Shoe. L. Goodkind. 99,505; May 5.
Shoe. S. J. Meyer. 99,518; May 5.
Shoe. K. M. Stone. 99,532; May 5.
Shoe or similar article. B. L. Wales. 99,536; May 5.
Sign, Advertising. R. S. Kimball. 99,548; May 5.
Spoon or other article of flatware. M. A. Downs. 99,502; May 5.
Stand for food or similar article, Display. E. Greuter. 99,560; May 5.
Table. B. H. Talbert. 99,565; May 5.
Tap or similar article. F. E. Rice. 99,522; May 5.
Toy building log. N. I. Paulson. 99,550; May 5.
Toy wagon or similar article. C. P. Sollmann. 99,527; May 5.
Tumbler or similar article, Sham pilsener. J. A. Hutchison. 99,508; May 5.
Valve. W. T. Birch. 99,588; May 5.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 5TH DAY OF MAY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acetone, Manufacture of. H. F. J. Lorang. 2,039,543; May 5.
Acids, Preparation of organic. A. T. Larson. 2,039,722; May 5.
Acoustic device. N. Blount. 2,039,625; May 5.
Adjustable lamp support. K. Harz. 2,039,408; May 5.
Agents rendering textile materials fast to creasing. A. Eckelmann and E. Koch. 2,039,524; May 5.
Air circulator and draft regulator for hot air furnaces, Combined. M. W. Best. 2,039,948; May 5.
Air conditioning apparatus. G. F. Zellhoefer. 2,039,875; May 5.
Aircraft. E. F. Zaparka. 2,039,676; May 5.
Air distributor for oil burners. J. G. Gilmore and M. D. Huston. 2,039,591; May 5.
Air inflator mechanism. D., O. and O. C. Druge. 2,039,638; May 5.
Air-operated regulator. G. K. O'Connor. 2,039,924; May 5.
Alloy. A. R. Lytle. 2,040,053; May 5.
Aluminum alloys. J. Schulte. 2,039,458; May 5.
Amalgam filling for teeth. F. A. Bull. 2,039,880; May 5.
Amines, Manufacture of acidylated aromatic. H. Dreyfus. 2,039,304–5; May 5.
Amines, Partial dealkylation of dialkyl aromatic. P. W. Carleton and E. L. Mattison. 2,039,891; May 5.
Ammonium compounds, Quaternary. M. Münz and K. Keller. 2,040,061; May 5.
Anesthesia apparatus, Dental, medical, and hospital. F. J. Hawley. 2,039,901; May 5.
Antenna heating. P. S. Carter. 2,039,295; May 5.
Antihunting positional control. F. L. Moseley. 2,040,014; May 5.
Apparatus for finding the course along any definite great circle. J. M. Boykow. 2,039,878; May 5.
Apparatus for preparing soil for seeding. G. J. Ziegler. 2,040,068; May 5.
Automobile ventilation. L. H. Gillette. 2,039,403; May 5.
Azo-dyestuffs for dyeing leather. J. Gyr. 2,039,898; May 5.
Bag: *See*—
Vacuum cleaner dust bag.
Bag supporting device. W. E. Sharkey. 2,039,561; May 5.
Ball practice device, Golf. L. I. Clark. 2,039,633; May 5.
Band for V-belts, Slip-on. J. L. Sparling. 2,039,461; May 5.
Barbecuing apparatus. M. Lekometros. 2,039,541; May 5.
Barrel. B. S. MacMillan. 2,039,817; May 5.
Barrel gauge construction. H. W. Lees and W. C. Grosser. 2,039,965; May 5.
Base receptacle, Molding and movable. W. G. Schaller. 2,039,982; May 5.
Basket. J. W. Meinhardt. 2,039,971; May 5.
Basket ball practice ring. E. S. Hayden. 2,039,794; May 5.
Battery terminal. W. G. Tenney. 2,039,669; May 5.
Beach umbrella table. R. J. Knight. 2,039,805; May 5.
Beacon, Airway. F. R. House. 2,039,647; May 5.
Bead wrapping machine. W. J. Breth. 2,039,627; May 5.
Beam and method of manufacture, Prestressed. E. R. Dye. 2,039,398; May 5.
Bearing: *See*—
Journal bearing.
Bearing support. G. H. Fagley. 2,039,400; May 5.
Beer clarifier. R. Seibel. 2,039,839; May 5.
Beer dispensing apparatus. E. H. Smith. 2,039,564; May 5.
Beverage container. C. A. Clarke and V. Wright. 2,039,704; May 5.
Beverage cooler. H. R. Ruse. 2,039,556; May 5.
Bit: *See*—
Drill bit. Rotary bit.
Bit block. E. P. Stenger and A. O. Bruestle. 2,039,747; May 5.
Blank-making machine. C. D. Knowlton. 2,039,319; May 5.
Blending, for a predetermined quality, of liquids having different specific gravities, Process of and apparatus for continuous. W. C. Holmes. 2,039,534; May 5.
Block: *See*—
Bit block.
Blood pressure measuring device, Arterial. W. P. Nolan. 2,039,337; May 5.
Boat, Planing. G. C. Eddy and C. D. Van Patten. 2,039,585–6; May 5.
Boat propelling mechanism. C. L. Carroll. 2,039,392; May 5.
Boiler. O. L. Besinger. 2,039,515; May 5.
Boiler cleaner. L. J. Bayer. 2,039,874; May 5.
Boiler furnace. J. E. Kennedy and J. V. Pyle. 2,039,537; May 5.
Bolt assembly for motor vehicles, King. J. W. Leighton. 2,039,912; May 5.
Boring machine. J. M. Lundell and C. O. Hane. 2,039,728; May 5.
Bottle mouth. E. A. Ravenscroft. 2,039,345; May 5.
Bottle, Nonrefillable. J. Lalli. 2,039,811; May 5.
Bowling alley and repairing same. B. Borders. 2,039,580; May 5.
Box: *See*—
Side frame and journal Switch box.
box.
Brake: *See*—
Electropneumatic brake. Fluid pressure brake.
Empty and load brake.
Brake and door interlock device. G. L. Cotter. 2,039,705; May 5.
Brake controlling means. R. J. Bush. 2,039,701; May 5.
Brake mechanism for auto trucks and trailers, Electric. R. E. Adams. 2,039,509; May 5.
Brake system and bleeder valve therefor, Air. W. B. Tallerdy. 2,039,751; May 5.
Braking apparatus, Fluid pressure. A. Chevillot. 2,039,703; May 5.
Bread against mold, Apparatus for protecting sliced. L. W. Haas. 2,039,313; May 5.
Brief case. S. H. Lifton. 2,039,913; May 5.
Broaching machine. F. S. Floeter. 2,039,480; May 5.
Brooder. J. R. Williams. 2,039,673; May 5.
Brush, Double end mop type. J. I. Anderson. 2,039,510; May 5.
Brush hanger. R. J. Simons. 2,039,497; May 5.
Brush, Rug scrubbing. D. E. Smalley. 2,039,356; May 5.
Building construction. R. M. Calkins and J. W. Swank. 2,039,293; May 5.
Building construction. B. London. 2,039,601; May 5.
Building construction and clip means therefor. B. E. Balduf. 2,039,382; May 5.
Building element, Composition. W. D. Johnson. 2,039,536; May 5.
Building, Round ended. J. G. Shodron. 2,039,562; May 5.
Burner. H. de Coster. 2,039,890; May 5.
Burner control system, Dual oil. J. P. Kriechbaum. 2,039,910; May 5.
Burner pumping unit, Oil. L. E. French. 2,039,309; May 5.
Butt-weld pipe. C. O. Spillman. 2,039,746; May 5.
Butter mold. A. T. Jorgensen. 2,040,003; May 5.
Cabinet for house pets, Sanitary. W. B. Ebeling. 2,039,783; May 5.
Cable system, Fluid filled electric. L. Emanuell. 2,039,587; May 5.
Calculating machine. K. O. R. Henzelmann. 2,039,795; May 5.
Calendar, Automatic. P. L. Ta'Bois. 2,039,567; May 5.
Caliper gauge. A. W. Johanson. 2,039,718; May 5.
Camera and distance meter, Combined photographic. H. Küppenbender. 2,040,050; May 5.
Camera for making parallax panoramagrams. H. E. Ives. 2,039,648; May 5.
Camera, Photographic. H. Kilfitt. 2,040,018; May 5.
Camera, Photographic. A. Nagel. 2,039,737; May 5.
Canopy, Clothesline. O. B. Tout. 2,039,504; May 5.
Cap for road parting strips, Metal sealing. E. W. Burgess. 2,039,775; May 5.
Cap, Molded. L. A. Von Till. 2,039,757; May 5.
Cap, Tube. R. D. Moore. 2,040,013; May 5.
Caps, Manufacturing pipe. T. W. Lowe. 2,039,967; May 5.
Car construction, Railway. G. G. Gilpin. 2,040,045; May 5.
Car-mover. O. W. Miller. 2,039,919; May 5.
Carbon dioxide, Purification of. R. H. McKee. 2,039,330; May 5.
Carburetor. H. B. Norris. 2,039,549; May 5.
Carburetor. W. B. Parker. 2,040,020; May 5.
Carburetor for internal combustion motors. N. G. A. Gustafsson. 2,039,990; May 5.
Carburetor, Heavy oil. A. Seidel. 2,039,354; May 5.
Card feed with slitter. R. E. Page. 2,039,831; May 5.
Card printing machine. J. Locke. 2,039,600; May 5.
Carrier and sent, Combined luggage. R. S. Shahu. 2,039,939; May 5.
Carton. A. S. Heineman. 2,039,315; May 5.

Carton, Dispensing. J. H. Moore. 2,039,437; May 5.
Case: *See*—
Brief case. Refrigerator display case.
Cigarette case.
Casting method and apparatus therefor. W. H. Charch and C. E. Coleman. 2,039,883; May 5.
Cellulose acetates, Production of highly acetylated. E. Berl. 2,039,290; May 5.
Cellulose organic ester composition containing an alkyl substituted phenylethyl alcohol. H. B. Smith. 2,039,744; May 5.
Chain: *See*—
Cutter chain.
Change speed gear. H. Austin. 2,039,288; May 5.
Character bearing article. E. S. Mix. 2,040,012; May 5.
Chart, World time. G. E. Murphy. 2,039,921; May 5.
Check device for fire doors. H. Weiss and A. Polson. 2,039,468; May 5.
Check signing and endorsing mechanism. H. A. Swanson. 2,039,566; May 5.
Chilling apparatus. N. H. Hiller. 2,039,796; May 5.
Chuck. N. B. Stone. 2,039,855; May 5.
Churn. V. C. Russell. 2,039,934; May 5.
Cigarette case. H. R. Segal. 2,039,559; May 5.
Cigarette mouthpiece. G. Davidson. 2,039,298; May 5.
Circuit analyzer. J. C. Hoover. 2,039,905; May 5.
Circuit breaker with movable piston, Compressed air. L. J. Saudicoeur. 2,039,838; May 5.
Circuit controlling apparatus. C. Aalborg. 2,039,376; May 5.
Circuit, Test. O. Cesareo. 2,039,631; May 5.
Circuits, Automatic control. J. Yolles. 2,039,618; May 5.
Circuits, Receiver manual and automatic gain control. H. A. Robinson. 2,039,663; May 5.
Clamp. E. B. Morgan. 2,039,973; May 5.
Clamp for conductors, Trunnion. J. J. Taylor. 2,039,501; May 5.
Clamping device. C. Travani. 2,039,369; May 5.
Clamping device for cylinder boring machines. C. O. Hane. 2,039,715; May 5.
Cleaner: *See*—
Boiler cleaner. Vacuum cleaner.
Cleaner blade, Windshield. E. C. Horton. 2,039,716; May 5.
Cleaning and massage device for dental purposes. L. H. Blanchard. 2,039,278; May 5.
Cleaning device. H. W. Hunter. 2,039,594; May 5.
Clip: *See*—
Slidable clip.
Closure. J. H. Donnelly. 2,039,952; May 5.
Closure. M. A. Pixley. 2,039,447; May 5.
Clutch: *See*—
Electromagnetic clutch. Friction clutch.
Clutch. C. H. Howland-Shearman. 2,039,846; May 5.
Clutch. J. W. Tatter. 2,040,034; May 5.
Clutch control mechanism. R. S. Trott. 2,040,035; May 5.
Coach latch. A. C. Andersen and B. H. Bowlus. 2,039,873; May 5.
Coating composition. C. A. Thomas. 2,039,366; May 5.
Coating material, Protective. C. A. Thomas. 2,039,365; May 5.
Coating, Protective. C. A. Thomas and C. A. Hochwalt. 2,039,364; May 5.
Cock, Lubricated. C. A. Dopp and R. Fennema. 2,039,523; May 5.
Coil, Heat transfer. T. N. Hubbuch and W. G. O'Toole. 2,039,593; May 5.
Coin collecting system, Pay station. R. D. Collins, W. M. Reid, and S. E. Bourne. 2,039,519; May 5.
Color-forming developer. L. D. Mannes and L. Godowsky, Jr. 2,039,730; May 5.
Coloring of cellulosic solutions. H. W. Crouch and E. C. Jewett. 2,039,708; May 5.
Combustion heater. A. J. Johnson and P. A. Mulcey. 2,039,423; May 5.
Composition of matter containing luminous substances. G. Meder and K. Schad. 2,039,734; May 5.
Compounds of the acridinium series and preparing them. L. Benda and O. Sievers. 2,039,577; May 5.
Condenser. M. H. Bennett. 2,039,622–3; May 5.
Condenser construction, Electric. B. G. Olving. 2,039,340; May 5.
Conductor, Flexuously compacted. J. W. Campbell. 2,039,475; May 5.
Conduit cleaning device. J. F. Walsh. 2,039,467; May 5.
Conduit section, Multiple. E. Burke and J. C. Sherman. 2,039,387; May 5.
Connecter: *See*—
Handle connecter.
Contact between liquids and gases, Apparatus for effecting intimate. W. P. Chandler, Jr. 2,039,950; May 5.
Container: *See*—
Beverage container. Safety delivery container.
Sanitary container.
Container. G. Roberts. 2,040,024; May 5.
Container. J. R. Watkins. 2,039,859; May 5.
Container. J. M. Young. 2,039,374; May 5.
Container and closure therefor. J. R. Bonhomme. 2,039,385; May 5.
Container handle. O. L. Wenderoth. 2,039,574; May 5.
Control apparatus, Automatic. C. H. Fennell and J. M. Main. 2,039,526; May 5.
Control, Emergency-brake and gear-shift. R. C. Roehrl. 2,039,553; May 5.
Control for air conditioning systems. G. F. Drake. 2,039,300; May 5.
Control for change gears, Interlocking. H. P. Grohn. 2,039,407; May 5.
Control means for hydraulic press operating circuits. W. Ernst. 2,039,893; May 5.
Control subordinator for tracer controlled machines, Automatic manual. J. C. Campbell. 2,039,294; May 5.
Controlling and lubricating mechanism. G. T. Watt. 2,039,695; May 5.
Convertible table. L. L. Richard. 2,039,348; May 5.
Cooler: *See*—
Beverage cooler.
Copper base composition. A. R. Lytle. 2,040,055; May 5.
Core drill. L. S. Copelin. 2,039,520; May 5.
Cosmetic holding device. H. R. Segal. 2,039,560; May 5.
Cotton seed delinting machine. P. A. Williams. 2,039,865; May 5.
Count mechanism, Predetermined. E. A. Slye. 2,040,025; May 5.
Counter. F. E. Northrop. 2,040,027; May 5.
Counter. H. L. Spaunburg. 2,040,026; May 5.
Counter. H. L. Spaunburg. 2,040,031; May 5.
Coupling: *See*—
Trailer hitch coupling.
Coupling for hoses, pipes, and the like. N. O. Fogelström. 2,039,787; May 5.
Coupling-head. H. Kreidel. 2,040,006; May 5.
Cover: *See*—
Spare tire cover.
Crayon package and display container, Combination. E. O. Clark, Jr. 2,040,041; May 5.
Curb and fender locator. J. W. Brunette. 2,039,474; May 5.
Current machine for low and for variable speed, Synchronous alternating. J. Lell. 2,039,322; May 5.
Cutter: *See*—
Milling cutter.
Cutter chain. M. P. Holmes. 2,039,416–17; May 5.
Cutting attachment for metal working spindle machines, Eccentric. C. H. Hoisington and R. Beecom. 2,039,646; May 5.
Cutting machine. C. Schober. 2,039,457; May 5.
Cyanide solutions, Precipitation of. L. D. Mills and T. B. Crowe. 2,039,656; May 5.
Cylinder block reamer. T. S. Kline and K. Rogers. 2,039,719; May 5.
Dehydrating compositions. H. H. Baker. 2,039,512; May 5.
Dental matrix. F. M. Hutchinson. 2,039,418; May 5.
Depot, Ice. D. A. Wilson. 2,039,864; May 5.
Dial timing mechanism for circular knitting machines. R. J. Paquette. 2,040,021; May 5.
Dirt indicator for lubricating oil. G. R. Eckstein. 2,040,042; May 5.
Discharge tube system, Gas-filled. J. P. Radcliff and P. G. Edwards. 2,039,449; May 5.
Dish-supporting rack. T. Tafel, Jr. 2,039,362; May 5.
Dispatch and discharge system, Automatic. E. T. Bennington. 2,039,473; May 5.
Display device. D. C. Birdsell and D. M. Bauer. 2,039,770; May 5.
Door and charging hole cover, Container. J. K. Wenliger. 2,039,761; May 5.
Door and stoker structure, Fire. H. E. Lippert. 2,039,325; May 5.
Doorbell switch. D. Brown. 2,039,581; May 5.
Door check. R. C. Jacobs. 2,039,961; May 5.
Door check, Automobile. R. C. Jacobs. 2,039,960; May 5.
Door hanger. E. A. Zetmeir. 2,039,866; May 5.
Door, Railway car side. G. G. Lynch. 2,039,430; May 5.
Door, Sliding. H. F. Collins. 2,039,296; May 5.
Door structure. C. G. Bryson. 2,039,774; May 5.
Dough machine attachment. H. Baehr. 2,039,277; May 5.
Drain cleaning device. J. W. Harder. 2,039,792; May 5.
Drawing instrument. P. H. Dixon. 2,039,584; May 5.
Drill: *See*—
Core drill. Rock drill.
Drill bit. R. R. Sanderson. 2,039,494; May 5.
Drilling apparatus. E. G. Gartin. 2,039,310; May 5.
Drive device. C. F. Rossetter. 2,039,664; May 5.
Drives, Synchronizing, flywheel and gear. C. H. Howland-Shearman. 2,039,845; May 5.
Duct. A. Cohn. 2,039,886; May 5.
Dust collector. H. van Tongeren. 2,039,692; May 5.
Dyestuffs, and preparing them, Pyridino vat. M. A. Kunz, K. Koeberle, and G. Köchendoerfer. 2,039,809; May 5.
Dyestuffs of the triarylmethane series. O. Wahl, E. Teupel, and K. Schmidt. 2,039,571; May 5.
Egg boiling device. M. A. Edgar. 2,039,477; May 5.
Egg breaker. G. T. Brown. 2,039,678; May 5.
Egg material. B. R. Harris and M. C. Reynolds. 2,039,409; May 5.
Electric control system. F. H. Nicholson. 2,039,827; May 5.
Electric discharge device. T. L. Dimond. 2,039,687; May 5.
Electric discharge lamp. E. Oosterhuis and G. Zecher. 2,039,978; May 5.
Electric radiation device. C. H. Braselton. 2,039,772; May 5.
Electrical and other connecters. A. C. Hessel. 2,039,996; May 5.

Electrical apparatus and contacts therefor. J. H. Herring. 2,039,995; May 5.
Electrical distribution system. F. Harvey. 2,039,793; May 5.
Electrical indicating instrument. L. H. Middleton. 2,040,060; May 5.
Electrical receptacle. W. F. McIntosh. 2,039,916; May 5.
Electrical service, Method of and apparatus for evaluating. A. R. Williams. 2,039,863; May 5.
Electrical signaling device. F. G. Beetem. 2,039,765; May 5.
Electrical speed control, Web roll. H. A. W. Wood. 2,039,470–1; May 5.
Electrical system. H. Harz. 2,039,314; May 5.
Electrically conductive bodies, Outgassing and purifying. H. E. Mendenhall. 2,039,655; May 5.
Electroacoustic device. C. E. Stevens and W. T. Taber. 2,039,854; May 5.
Electroacoustic device. W. T. Taber. 2,039,856; May 5.
Electromagnetic clutch. A. B. Fuller. 2,039,714; May 5.
Electropneumatic brake. J. C. McCune. 2,039,733; May 5.
Elevator safety device. A. Porcelli. 2,039,606; May 5.
Elevator signal apparatus. J. C. Tamsitt. 2,039,568; May 5.
Elevator signal system. M. N. Farch. 2,039,479; May 5.
Empty and load brake. C. C. Farmer. 2,039,713; May 5.
Engine: *See*—
Internal combustion engine. Rotary explosive engine.
Engine and fuel pump apparatus therefor, Internal combustion. O. D. Treiber. 2,039,942; May 5.
Envelope, Shirt. L. Blumenstock. 2,039,383–4; May 5.
Escalator. K. H. W. Herker. 2,039,994; May 5.
Ether hydrochlorides of pseudourea, Preparation of the. M. Battegay. 2,039,514; May 5.
Extension table. E. C. Groves. 2,039,482; May 5.
Eye for dolls, Artificial. N. Pepovich. 2,039,928; May 5.
Fabric: *See*—
Lockstitch knit fabric.
Fabrics, Treatment of. M. M. Kasanof. 2,039,649; May 5.
Fabrics, Weaving of. R. Rossmann. 2,039,454; May 5.
Fastener: *See*—
Separable fastener.
Faucet. F. Healy. 2,039,902; May 5.
Faucet, Automatic. R. Rupert. 2,039,933; May 5.
Fence construction. C. S. Brown and T. A. Delaney. 2,039,879; May 5.
Fibers in fibrous material, Separation of the individual. O. Kristoffersen. 2,039,807; May 5.
Fibrous masses, Drying. E. J. Abbott. 2,039,285; May 5.
Filaments, threads, ribbons, films, and other artificial products, Manufacture of artificial. H. Dreyfus. 2,039,307; May 5.
Filing card or loose leaf. F. Thomas. 2,039,752; May 5.
Filler, Egg crate. W. E. Lincoln. 2,039,486; May 5.
Films, Rolling device for. M. J. A. Bombrun. 2,039,949; May 5.
Filter. H. B. Bryan and A. D. Capehart. 2,039,281; May 5.
Finger bar for shear machines, Adjustable. S. Biazzi. 2,039,699; May 5.
Finger protector. W. P. Vollmer. 2,039,505; May 5.
Firearm. C. C. Loomis. 2,039,814; May 5.
Firearm sight construction. C. J. Jefferson. 2,039,907; May 5.
Fish-canning machine. W. E. Rooney. 2,039,350; May 5.
Fitting. D. E. Lindquist. 2,039,542; May 5.
Fitting, Return bend. R. Burke. 2,039,388; May 5.
Flexible metal tube. R. Debenedetti. 2,039,781; May 5.
Floor machine. F. C. Hild. 2,039,903; May 5.
Flow in substances, Causing cold. C. H. Howland-Shearman. 2,039,840; May 5.
Fluid pressure brake. W. E. Dean, Jr. 2,039,710; May 5.
Fluid pressure brake. C. C. Farmer. 2,039,712; May 5.
Fluid pressure brake. J. C. McCune. 2,039,732; May 5.
Foods and the like, Apparatus for cutting. M. Stöppel. 2,040,017; May 5.
Foot arch support. W. Wisbrun. 2,039,675; May 5.
Footage indicator for photographic apparatus. O. Wittel. 2,039,697; May 5.
Football game and apparatus. J. Sapp. 2,039,740; May 5.
Foxing cementing machine. E. W. Stacey. 2,039,359; May 5.
Frame: *See*—
Windshield frame.
Friction clutch. J. E. Freeborn. 2,039,590; May 5.
Fruit and the like, Apparatus for treating. E. M. Brogden. 2,039,280; May 5.
Fruit and vegetable washer. C. H. Ayars. 2,039,276; May 5.
Fruit jar holder. A. De Marco. 2,039,891; May 5.
Fuel burning apparatus, Liquid. M. A. Powers. 2,039,607; May 5.
Fuels and products resulting therefrom, Treating hydrocarbon motor. G. W. Ayers, Jr. 2,039,576; May 5.
Fuels, Improving motor. J. C. Geniesse and R. Reuter. 2,039,894; May 5.
Fuels, Treating hydrocarbon motor. J. Hyman and G. W. Ayers, Jr. 2,039,595; May 5.
Fulling mill. E. Cannity. 2,039,882; May 5.
Furnace: *See*—
Boiler furnace. Metallurgical furnace.
Fused wall receptacle. J. P. Niesen. 2,039,336; May 5.
Game. W. J. Morrill. 2,039,332; May 5.
Game. L. E. Ross. 2,039,352; May 5.
Game apparatus. H. R. Doty. 2,039,782; May 5.
Game device. R. D. McIntosh. 2,039,969; May 5.
Garment. E. C. McKeefrey. 2,039,821; May 5.
Garment, Drop seat. M. Wolf and L. Reider. 2,039,946; May 5.
Garment pressing machine. V. Freda, J. Staffier, and L. Sunderland. 2,039,788; May 5.
Garment support, Extendible. T. E. Wayne. 2,039,758; May 5.
Gas holder shell and fabricating the same. R. B. Luebbe. 2,039,602; May 5.
Gas material, Method and apparatus for dispensing. W. F. Mesinger. 2,040,059; May 5.
Gas washer. J. J. Seaver, C. E. Dougan, and H. L. Wetherbee. 2,039,540; May 5.
Gases from liquids, Separation of. A. C. Hartley. 2,039,411; May 5.
Gases, Method and apparatus for cooling and drying moist. W. L. De Baufre. 2,039,889; May 5.
Gases, Production of hot reducing. C. G. Maier. 2,039,603; May 5.
Gases, Treatment of hydrocarbon. J. C. Morrell. 2,039,440–1; May 5.
Gauge: *See*—
Caliper gauge.
Gear: *See*—
Change speed gear. Oscillatory gear.
Retractable landing gear.
Gear and making the same, Helical. S. S. Cramer. 2,039,706; May 5.
Gear, Making a helical. S. S. Cramer. 2,039,707; May 5.
Generator and heating and cooling means, Electric. M. N. Mikulic. 2,039,547; May 5.
Girdle, Sanitary. C. E. Pecknold. 2,039,446; May 5.
Glass annealing nesting rack. L. Poglein. 2,039,927; May 5.
Glass, Apparatus for cutting flat. J. Gaskell and J. B. Watt. 2,039,402; May 5.
Glass by electricity, Method of and apparatus for melting. D. Stenhouse. 2,039,853; May 5.
Glass, Method of and appartus for melting. P. L. Geer. 2,039,955; May 5.
Glove. W. A. Lammott. 2,040,052; May 5.
Gold plating. H. S. Lukens. 2,039,328; May 5.
Golf club joint. A. A. Krasuter. 2,039,320; May 5.
Governor. R. C. Darnell and H. G. Adler. 2,039,396; May 5.
Governor, Diesel engine. E. E. Woodward. 2,039,507; May 5.
Governor, Speed. T. J. Schlosser. 2,039,495; May 5.
Granules of agglomerative powders. E. Billings and H. H. Offutt. 2,039,766; May 5.
Grater, Vegetable. A. Chojnacki. 2,039,778; May 5.
Grinder, Magazine. C. A. Waterous. 2,039,572; May 5.
Grinding machine and method. S. Einstein. 2,039,711; May 5.
Grouser for tractors. T. G. Schmeiser. 2,039,496; May 5.
Guard, Combined mouth and nose. H. Chatfield. 2,039,681; May 5.
Guard for highways, Safety. C. G. Williams. 2,039,617; May 5.
Guard mechanism for power driven presses and other machines, Safety. J. C. Junkin. 2,039,964; May 5.
Guard, Razor. A. Winterkorn. 2,039,575; May 5.
Gun, Machine. R. J. Rickenbacher. 2,039,930; May 5.
Gyroscope, Sparking. L. Marx. 2,039,819; May 5.
Hair curling device and curling the hair. S. Freeman. 2,039,789; May 5.
Hair-waving apparatus. P. Santurelio. 2,039,558; May 5.
Handle: *See*—
Container handle.
Handle connecter. J. W. Hargrave. 2,039,899–900; May 5.
Handle to a stem or the like, Attaching a. H. Michel. 2,039,917; May 5.
Hanger: *See*—
Brush hanger. Door hanger.
Hanger structure for meters. C. W. Stevens. 2,039,748; May 5.
Hard composition of matter. P. M. McKenna. 2,039,822; May 5.
Hardness tester. A. B. Bolender. 2,039,579; May 5.
Hats, Manufacture of fur or felt. F. H. Lee. 2,039,911; May 5.
Headware, Knitted. L. H. Ensten. 2,039,478; May 5.
Heat machine, Automatic. A. J. Johnson. 2,039,422; May 5.
Heater: *See*—
Combustion heater. Link sausage heater.
Immersion heater.
Heating elements, Forming electrical resistor. E. L. and A. P. Wiegand. 2,039,760; May 5.
Heel and hose protector. C. J. Fricker. 2,039,954; May 5.
Heel, Polishing. E. B. A. Blount. 2,039,578; May 5.
Heterodyne receiver radiation suppressor. M. G. Clay. 2,039,634; May 5.
Heterodyne receiver, Supersonic. C. P. Osborne. 2,039,657; May 5.

Hoist. T. E. Adams. 2,039,870; May 5.
Holder: *See*—
Fruit jar holder. Towel holder.
Holder. C. H. Cote. 2,039,779; May 5.
Holder for edibles. F. H. Owens. 2,039,830; May 5.
Hormone hydrates, Producing follicle. F. Hildebrandt and E. Schwenk. 2,039,414; May 5.
Horn, Diaphragm. F. Von Voigtlander. 2,039,694; May 5.
Horn system. H. Heuber and E. C. Horton. 2,039,717; May 5.
Hosiery. C. A. Riggs. 2,039,931; May 5.
Hosiery, Making. C. A. Riggs. 2,039,932; May 5.
Hosiery, Making shaped. E. E. Carlson. 2,039,283; May 5.
Hydrating, Apparatus for. B. F. Bird. 2,039,769; May 5.
Hydraulic jack. E. F. Green. 2,039,895; May 5.
Hydrocarbons, Coking. R. S. Petersen and C. W. Andrews. 2,039,835; May 5.
Hydrocarbons, Coking liquid. C. W. Andrews and R. S. Petersen. 2,039,763; May 5.
Hydrocarbons, Treating. J. D. Seguy. 2,039,459; May 5.
Hydrocarbons, Treatment of. V. Ipatieff. 2,039,799; May 5.
Hygroscopic apparatus. C. L. Burdick. 2,039,292; May 5.
Ice can grid. A. P. Dougherty and W. H. Stevens. 2,039,290; May 5.
Immersion heater. E. C. Fichtner. 2,039,641; May 5.
Incandescent electric lamp. C. H. Braselton. 2,039,773; May 5.
Ingots, Bottom-casting hollow. G. Robson. 2,039,453; May 5.
Ink fountain for printing presses. J. J. Harold. 2,039,992; May 5.
Inking mechanism for printing machines. A. M. Zuckerman and H. P. Clauberg. 2,039,867; May 5.
Inking mechanism for use in printing machines. T. J. Mills, C. G. Quick, and D. A. Ball. 2,039,435; May 5.
Inoculation, more particularly for peritonitis, Preventive. B. Steinberg. 2,039,940; May 5.
Insole. F. Bilodeau. 2,039,767; May 5.
Instrument panel. J. Tjaarda. 2,039,503; May 5.
Insulating and dielectric material for electrical apparatus. A. W. Ralston and C. W. Christensen. 2,039,837; May 5.
Insulation. C. F. Obermaier. 2,039,977; May 5.
Insulator. P. A. Wickmann. 2,039,872; May 5.
Insulators, Assembling. J. J. Taylor. 2,039,500; May 5.
Intelligence systems, Method of and apparatus for operating. E. L. Greensfelder. 2,039,406; May 5.
Internal combustion engine. H. C. Edwards. 2,039,525; May 5.
Ironing table. H. C. Flint. 2,039,642; May 5.
Jack: *See*—
Hydraulic jack. Vehicle jack.
Jacquard strip. J. Lawson. 2,039,724; May 5.
Jacquard strip. J. and R. H. Lawson. 2,039,725; May 5.
Jig, Ore. B. R. Storsand. 2,039,613; May 5.
Joint: *See*—
Golf club joint. Safety joint.
Locked safety joint. Universal joint.
Journal bearing, Car wheel. J. E. Shafer. 2,039,351; May 5.
Kiln, Tunnel. C. H. Parmelee. 2,039,445; May 5.
Knife, Surgical. J. J. Ogden. 2,039,443; May 5.
Labeling machine. J. Morral. 2,039,825; May 5.
Lamp: *See*—
Electric discharge lamp. Incandescent electric lamp.
Lamp and mounting therefor, Electric. J. T. Fagan, J. F. Donovan, and F. J. Malloy. 2,039,953; May 5.
Lapping method and apparatus. H. E. Snyder. 2,039,852; May 5.
Latch: *See*—
Coach latch.
Lathe, Automatic. C. A. Bickel. 2,039,876; May 5.
Laundry machine. G. H. Reama. 2,039,660; May 5.
Lead bronze composition. A. R. Lytle. 2,040,054; May 5.
Lecithin nutrient material, Production of a. B. A. Rewald. 2,039,739; May 5.
Lens mount, Adjustable. C. W. Crumrine. 2,039,709; May 5.
Levees, Building. W. E. Phillips. 2,040,022; May 5.
Light effects, Apparatus for producing vibrating. J. König. 2,040,006; May 5.
Lights, Apparatus for indicating a nonoperative condition of vehicle. H. L. Black. 2,039,516; May 5.
Liner pulling device. C. White and O. B. Graham. 2,039,371; May 5.
Link sausage heater. H. E. McCormack. 2,039,545; May 5.
Lip stick. M. E. Lessin. 2,039,323; May 5.
Liquid, Apparatus for feeding. D. A. Weber. 2,039,573; May 5.
Liquid, Apparatus for the distillation of dry cleaning. A. Jones. 2,039,963; May 5.
Liquid dispensing device. B. Bigelow. 2,039,624; May 5.
Liquid dispensing device for bottles. L. R. Paul. 2,039,658; May 5.
Lock for mine cars, Car. J. W. Smith. 2,039,984; May 5.
Lockstitch knit fabric. W. Mendel and J. Titone. 2,040,058; May 5.
Lock strike. H. McNeill. 2,039,433; May 5.
Locked safety joint. H. P. Wickersham and H. J. Craig. 2,039,943; May 5.
Locking device. E. F. Terry. 2,039,941; May 5.
Lower unit for outboard motors. F. T. Irgens. 2,039,535; May 5.
Lubricating device, Central. H. Kreidel. 2,040,007; May 5.
Lubricating system. W. W. Williams. 2,039,469; May 5.
Lubricator. A. R. Bailey. 2,039,511; May 5.
Lug, Tractor. G. R. Cunnington. 2,039,521; May 5.
Lyes obtained in the cellulose industry, Concentrating. E. Öman and H. E. A. Göth. 2,039,444; May 5.
Machine and process for making bags. G. W. Poppe. 2,039,980; May 5.
Machine and work positioning mechanism. J. B. Tiedemann. 2,039,755; May 5.
Machine drive. J. B. Tiedemann. 2,039,754; May 5.
Machine for fashioning articles successively from bar stock. C. A. Rich. 2,039,347; May 5.
Machine for making sanitary napkins. A. P. Jurgensen. 2,039,425; May 5.
Machine for shaping shoe uppers. A. F. Pym. 2,039,448; May 5.
Machine tool. C. H. Howland-Shearman. 2,039,842; May 5.
Magnesium, Production of metallic. F. Hansgirg. 2,039,483; May 5.
Manifold for gas stoves, Concealed. J. E. Leonard. 2,039,652; May 5.
Manifolding machine. W. G. Borchers. 2,039,700; May 5.
Marker, Traffic. I. L. De Haas. 2,039,683; May 5.
Match packet and making the same. J. R. Nolan. 2,039,491; May 5.
Material fusing and projecting apparatus. A. D. Snyder and A. F. Maier. 2,040,030; May 5.
Materials, Manufacture of artificial. H. Dreyfus. 2,039,303; May 5.
Materials, Production of artificial. H. Dreyfus. 2,039,301; May 5.
Mattress, Inflated. R. Bergeron. 2,039,289; May 5.
Measuring instrument. L. Hind. 2,039,997; May 5.
Mercerizing. D. H. Powers and L. H. Bock. 2,040,065; May 5.
Metallurgical furnace. J. D. Pugh. 2,039,738; May 5.
Meter: *See*—
Parking meter.
Metering system, Remote. E. I. Green and W. H. Tidd. 2,039,404; May 5.
Metering system, Remote. E. I. Green and W. H. Tidd. 2,039,405; May 5.
Meters, Testing or proving gas or fluid. W. C. Wagner and F. Strattner. 2,039,506; May 5.
Micrometer crank, Adjustable. C. H. Howland-Shearman. 2,039,848; May 5.
Microscope, Comparison. O. Ursinus. 2,040,066; May 5.
Milking, Process and apparatus for. E. T. Jansson. 2,039,421; May 5.
Mill: *See*—
Fulling mill. Rolling mill.
Milling cutter. F. Kinsbach. 2,039,427; May 5.
Milling machine, Planetary. M. Romaine and E. G. Roehm. 2,039,349; May 5.
Miner's separating apparatus. M. C. Bright. 2,039,291; May 5.
Molded product, Infusible. S. E. Sheppard. 2,039,743; May 5.
Monoalkyl-naphthylamines, Preparation of. P. W. Carleton and E. L. Mattison. 2,039,390; May 5.
Mop and making same. F. A. Speik. 2,039,565; May 5.
Morpholines, Phenolic. H. A. Bruson. 2,040,039; May 5.
Motor car control. W. E. Chance. 2,039,582; May 5.
Motor unit, Electric. A. N. Sammarone. 2,039,456; May 5.
Motorbus construction. R. J. Smith. 2,039,460; May 5.
Mounting, Vehicle seat. W. J. McNabb. 2,039,818; May 5.
Musical instrument. E. O. Smullin. 2,039,985; May 5.
Musical instrument, Electrical. N. Langer. 2,039,651; May 5.
Musical instrument, Electrical. R. H. Ranger. 2,039,659; May 5.
Needle bar retracting mechanism for flat knitting machines. J. Haines, Jr., and H. F. Paget. 2,040,047; May 5.
Nipple for nursing bottles. M. Wittmann. 2,039,373; May 5.
Nitriding, Method of. L. B. Lindemuth. 2,039,487; May 5.
Nozzle, Sandblast. F. W. Schultz. 2,039,938; May 5.
Oil combustion apparatus. O. C. Schroeder. 2,039,937; May 5.
Oil combustion apparatus. O. C. Schroeder and S. Perry. 2,039,936; May 5.
Oil conversion, Hydrocarbon. L. C. Huff. 2,039,797; May 5.
Oil, Dewaxing. L. Dillon and C. E. Swift. 2,039,636; May 5.
Oil, Dewaxing hydrocarbon. R. E. Manley. 2,040,056; May 5.
Oil distillates, Refining of mineral. J. B. Hill. 2,039,904; May 5.
Oil, Hard water soluble. E. W. Adams and G. W. Flint. 2,039,377; May 5.
Oil, Manufacture of lubricating. R. E. Manley and H. H. Gross. 2,040,057; May 5.
Oil, Method and apparatus for burning. C. A. French. 2,039,790; May 5.
Oil, Process and apparatus for cracking. A. L. Still. 2,039,611; May 5.
Oil-proofing material and product thereof. B. H. Thurman, A. W. Thomas, and M. Mattikow. 2,039,753; May 5.

Oil, Treating hydrocarbon. A. C. Hampton. 2,040,048; May 5.
Oils and greases, Sulphonation of. A. Gressner. 2,039,989; May 5.
Oils, Conversion of hydrocarbon. J. G. Alther. 2,039,379; May 5.
Oils, Distillation of hydrocarbon. M. G. Paulus and A. E. Thompson. 2,039,979; May 5.
Oils, Treating hydrocarbon. A. G. Peterkin, Jr. 2,040,064; May 5.
Oils, Treating hydrocarbon. E. W. Rembert. 2,039,981; May 5.
Oils, Treatment of hydrocarbon. V. Ipatieff. 2,039,798; May 5.
Oleoresin, Refining of natural. R. W. Frey and W. C. Smith. 2,039,481; May 5.
Opener, Container. C. F. Gallor. 2,039,643; May 5.
Orchard protective system. J. D. R. De Land. 2,039,522; May 5.
Ore material, Treating a zinc bearing. T. A. Mitchell. 2,039,331; May 5.
Ores and minerals, Method and apparatus for roasting and heat treating. C. Q. Payne. 2,039,833; May 5.
Ores, Treatment of sulphur bearing. I. Hechenbleikner. 2,039,645; May 5.
Ornament, Christmas tree. E. C. Dalton. 2,039,394; May 5.
Oscillating clothes washer. C. W. Adair. 2,039,508; May 5.
Oscillatory gear. F. D. Byers. 2,039,679; May 5.
Oven and the like with heat circulating means therefor. T. Lydon. 2,039,429; May 5.
Overshoe, Snapless. E. W. Dunbar. 2,039,476; May 5.
Oxide and the chloride of magnesium, Manufacture of the. R. B. MacMullin. 2,039,653; May 5.
Paper and making the same, Adhesive. H. Kushel. 2,039,808; May 5.
Paperboard machine, Corrugated. G. W. Swift. 2,039,750; May 5.
Paper making machinery. J. K. Darby. 2,039,780; May 5.
Paper manufacture. J. H. Swan, 3d. 2,039,361; May 5.
Parking meter. C. C. Magee. 2,039,544; May 5.
Partition for compartment boxes or crates. E. R. Stivers. 2,039,612; May 5.
Patch, Sole. E. G. Jones. 2,040,001; May 5.
Pay roll check machine. N. C. Ovaitt. 2,039,925; May 5.
Pedal actuated means for pianos for operating simultaneously two keys. S. R. Brett. 2,039,518; May 5.
Pen. H. S. Lukens. 2,039,326; May 5.
Pen point. H. S. Lukens. 2,039,327; May 5.
Pencil. J. C. Wahl. 2,039,466; May 5.
Percussive tool. F. D. Byers. 2,039,680; May 5.
Phenols, Making tertiary alkyl. M. E. Putnam, E. C. Britton, and R. P. Perkins. 2,039,344; May 5.
Phenols, Morpholino-metho polyhydric. H. A. Bruson. 2,040,040; May 5.
Phonograph, Automatic. J. L. Vaughn. 2,039,756; May 5.
Phosphorus, Separating. H. A. Curtis. 2,039,297; May 5.
Photographic printing apparatus. F. E. Tuttle. 2,039,691; May 5.
Pick, Ice. W. F. Paradise. 2,039,926; May 5.
Picture system, Synchronized talking. S. A. Murdock. 2,039,735; May 5.
Pipe: *See*—
Butt-weld pipe.
Pipe bends, Manufacturing. T. W. Lowe. 2,039,968; May 5.
Pipe construction. G. A. Maguire. 2,040,019; May 5.
Piston. R. N. Steele and E. E. McIlvain. 2,040,032; May 25.
Pitch propeller, Automatic variable. C. W. Lambert. 2,039,720; May 5.
Planter, Seed. G. W. Hollis. 2,039,485; May 5.
Plastic material from protein, Production of. O. Sturken and J. C. Woodruff. 2,040,033; May 5.
Plow. R. H. Flowers. 2,040,044; May 5.
Plumbing apparatus. E. G. Watrous. 2,040,067; May 5.
Pole guy assembly. T. E. Hibbard. 2,039,533; May 5.
Poles and the like, Repair and anchorage of telegraph. B. McMahon. 2,040,010; May 5.
Polishing roll. R. K. Brooks. 2,039,677; May 5.
Power lift for tractors. E. A. Johnston. 2,039,316; May 5.
Power lift, Hydraulic. E. A. Johnston. 2,039,801; May 5.
Power system, Electric. D. Silverman. 2,039,851; May 5.
Power transmission. C. J. Anderson, Jr. 2,039,378; May 5.
Power transmission mechanism. C. H. Richards. 2,039,451; May 5.
Power transmitting machinery. C. H. Howland-Shearman. 2,039,844; May 5.
Power unit for individual lubricant guns. J. F. Carter. 2,039,881; May 5.
Press: *See*—
Printing press.
Press chamber controlling means. A. W. Cocks. 2,039,951; May 5.
Press for extruding metal rods or tubes, Hydraulic. H. Albers. 2,039,947; May 5.
Prime movers, Apparatus for controlling. S. L. Kerr. 2,039,426; May 5.

Printing mechanism. F. J. Furman. 2,039,791; May 5.
Printing press. H. D. Kem and J. R. Marshall, Jr. 2,039,909; May 5.
Projector or camera shutter mechanism. S. Parish. 2,039,341; May 5.
Propeller device. J. F. Brown. 2,039,628; May 5.
Protector: *See*—
Finger protector. Heel and hose protector.
Protector for cigarette smokers, Finger. T. E. Hatch. 2,039,530; May 5.
Protractor. H. A. Musham. 2,039,333; May 5.
Pulley for tape drives in textile machinery, Tension. C. N. Benson. 2,039,875; May 5.
Pulsator, Milking-machine. C. H. Hapgood. 2,039,958; May 5.
Pump: *See*—
Rotary pump.
Pump. E. I. Thornton. 2,039,570; May 5.
Pump construction. F. L. Dieterich. 2,039,583; May 5.
Punching and marking machine. A. A. Lawson. 2,039,321; May 5.
Punching machine. U. Kölm. 2,039,806; May 5.
Purse, Waterproof. J. J. Colletti. 2,039,887; May 5.
Quadding and centering device, Automatic. W. R. Harris and H. D. Reese. 2,039,993; May 5.
Quinine compound and making the same. H. Kaufmann. 2,039,802; May 5.
Quinine compound and manufacture of same, Practically tasteless. M. Hoffer. 2,039,415; May 5.
Rack: *See*—
Dish-supporting rack.
Rack or body for wagons and trucks. M. Smith. 2,039,667; May 5.
Radio antenna unit. W. C. Graves, Jr. 2,039,988; May 5.
Radio receiver. F. Cutting. 2,039,888; May 5.
Radio receiver control. J. A. Chadkin. 2,039,777; May 5.
Radio receiver for ultra short waves. E. Gerhard. 2,039,897; May 5.
Rail car wheel. J. Ledwinka. 2,039,727; May 5.
Rakes, forks, and the like, Forming. F. Bishop. 2,039,771; May 5.
Range or similar appliance, Gas. B. E. Meacham. 2,040,011; May 5.
Razor, Safety. L. B. Lane. 2,040,009; May 5.
Reactionless valve. P. W. Koch. 2,039,599; May 5.
Receptacle: *See*—
Electrical receptacle. Fused wall receptacle.
Receptacle. J. Barth. 2,039,764; May 5.
Record verifying machine. R. L. Palmer. 2,039,832; May 5.
Reduction indicator for rolling mills. W. W. McBane. 2,039,914; May 5.
Reeling machine. G. R. McCoy. 2,039,915; May 5.
Refractories and refractory masses so produced, Preparing. E. Klingler. 2,040,051; May 5.
Refrigeration. E. A. Forsberg. 2,039,588; May 5.
Refrigeration. C. G. Munters and A. Lenning. 2,039,736; May 5.
Refrigeration compressor. E. F. Holyfield. 2,039,999; May 5.
Refrigerator. J. A. Nagy. 2,039,334; May 5.
Refrigerator display case. A. H. Ehrlich. 2,039,685; May 5.
Regulating means for refrigerating systems. G. H. Woodard. 2,039,762; May 5.
Regulator: *See*—
Air-operated regulator.
Release device for phonograph records, Automatic. H. G. and A. M. Saal, and V. L. Foulds. 2,039,557; May 5.
Resin, Prepared. C. A. Thomas. 2,039,363; May 5.
Resin, Prepared. C. A. Thomas. 2,039,367; May 5.
Resins in liquids, Dispersion of synthetic. H. W. Hutton. 2,040,000; May 5.
Resistance unit. J. J. Mucher. 2,039,974; May 5.
Retractable landing gear. G. Loening. 2,039,813; May 5.
Ring: *See*—
Basket ball practice ring.
Road surfaces, Treating. E. O. Rhodes. 2,039,450; May 5.
Roads, Constructing, repairing, and widening concrete. J. W. Isett. 2,039,420; May 5.
Robe and rug, Combination beach. T. J. Smutny. 2,040,029; May 5.
Rock drill. E. G. Gartin. 2,039,311; May 5.
Roll, Dandy. P. S. Sinclair and K. C. Gosling. 2,039,610; May 5.
Rolling mill. L. Iversen. 2,039,959; May 5.
Roof flashing. H. F. Winkelmann. 2,039,674; May 5.
Roof for hopper cars, Car. W. D. Thompson. 2,039,502; May 5.
Rope machine, Wire. A. J. Morgan. 2,039,438; May 5.
Rotary bit. J. T. Phipps. 2,039,551; May 5.
Rotary explosive engine. W. Weeks. 2,040,036; May 5.
Rotary pump. A. O. Beauchemin. 2,039,698; May 5.
Rotary pump. J. A. Lupfer. 2,039,815; May 5.
Rotisserie. J. M. Sanders. 2,040,016; May 5.
Rubber products. R. H. Guinzburg. 2,039,529; May 5.
Rubber products and producing the same. A. J. Borst, Jr. 2,039,386; May 5.
Rubber snubber spring. E. W. Webb. 2,039,759; May 5.
Rubber toy. L. D. Miller. 2,039,918; May 5.
Safety delivery container. E. Sacks and C. Steinborn. 2,039,935; May 5.

Safety joint, Locked drilling. H. P. Wickersham and H. J. Craig. 2,039,945; May 5.
Salts of 2,4,5-trichlorophenol, Alkaline earth metal. L. E. Mills. 2,039,434; May 5.
Sanitary container. H. Juba and J. Furey. 2,039,424; May 5.
Scale. M. Garbell. 2,039,528; May 5.
Scale, Platform. M. Garbell. 2,039,527; May 5.
Scale, Pocket. J. H. Wily. 2,040,037; May 5.
Screen and awning. Combination. J. M. Sullivan. 2,039,745; May 5.
Screw. F. N. Tilton. 2,039,368; May 5.
Sea dredging, Method of and device for deep. J. C. Williams. 2,039,944; May 5.
Sealing device, Automatic. G. Foges. 2,039,401; May 5.
Sealing means for electric switch ground boxes. S. T. Quilliam. 2,039,493; May 5.
Seat for motor vehicles, Convertible. H. G. and H. C. Clarke. 2,039,682; May 5.
Seeds, Process and device for the handling of planted. M. R. Mulford. 2,039,442; May 5.
Selective switch. J. A. Burwell. 2,039,630; May 5.
Selective switch. D. H. Gleason and F. J. Redmond. 2,039,644; May 5.
Selector. M. L. Lockhart and E. E. Postel. 2,039,966; May 5.
Self-lapping brake valve. E. K. Lynn. 2,039,729; May 5.
Semitrailer. E. H. Perkins and H. E. Mills. 2,039,492; May 5.
Separable fastener. S. H. Norton. 2,039,976; May 5.
Servicing device. W. R. Dudley. 2,039,684; May 5.
Shade fitting, Window. M. E. Moore. 2,039,972; May 5.
Shading plates, Mechanical production of. W. Heise. 2,039,412; May 5.
Sharpener, Pencil. J. Ficker and E. Eckert. 2,039,687; May 5.
Sheet feed retarding mechanism for printing presses. W. K. Eckhard. 2,039,784–5; May 5.
Sheet material, Drying. M. M. Merritt. 2,039,329; May 5.
Sheet products, Forming. C. Batcheller. 2,039,619; May 5.
Sheets, Method and apparatus for folding. T. O. Nall. 2,039,335; May 5.
Shingles or like articles, Weatherproofing. M. L. Caton. 2,039,776; May 5.
Shock absorber, Direct action. J. E. Padgett. 2,040,063; May 5.
Shoe. P. G. Flint. 2,040,043; May 5.
Shoe press heating device. S. Zukowski. 2,039,868; May 5.
Shrimp cleaner and culinary implement, Combination. T. S. Silaj. 2,039,850; May 5.
Shutter, Focal plane. W. A. Black. 2,039,517; May 5.
Side frame and journal box. H. K. Smith. 2,039,357; May 5.
Sign. W. C. Hollister. 2,039,998; May 5.
Signal device, Door. C. G. Nieto. 2,039,975; May 5.
Signal for motor vehicles. A. D. Miller and E. O. Bade. 2,039,604; May 5.
Signal for vehicles, Warning. J. W. Staley. 2,039,360; May 5.
Signaling apparatus. J. R. Moore. 2,039,920; May 5.
Signaling system. C. W. Fallor. 2,039,639; May 5.
Signaling system. A. Leib and H. Scharlau. 2,039,812; May 5.
Silencer. W. A. Jack, 3d. 2,039,800; May 5.
Silk and other artificial products, Artificial. H. Dreyfus. 2,039,302; May 5.
Silk filaments, Treatment of artificial. A. G. Boubnis. 2,039,279; May 5.
Silk, Manufacture and treatment of artificial, and the like. H. Dreyfus. 2,039,306; May 5.
Sleeve former. C. C. Jackson. 2,039,596; May 5.
Slidable clip. C. C. Harris. 2,039,410; May 5.
Socket, Vacuum tube. M. Alden. 2,039,871; May 5.
Sound records, Manufacture of. C. Schinzel. 2,039,742; May 5.
Sound reproduction device. A. L. Moore. 2,039,436; May 5.
Spare tire cover. A. P. Ferguson. 2,039,786; May 5.
Spectroscopic monochromator. A. Tschermak-Seysenegg. 2,039,355; May 5.
Spot welding apparatus. F. Vetorino. 2,039,858; May 5.
Spring: *See*—
Rubber snubber spring.
Spring element. G. Pielstick. 2,039,342; May 5.
Springing arrangement for the wheels of vehicles. M. Wagner. 2,039,670; May 5.
Starch manufacturing process. A. Peltzer, Jr. 2,039,605; May 5.
Steam generator for forming and pressing devices. S. Dowinsky. 2,039,892; May 5.
Steering mechanism for motor vehicles. W. F. Strehlow. 2,039,749; May 5.
Stoker. S. G. Buskard. 2,039,389; May 5.
Stoker, Blast feed. H. P. Anderson. 2,039,380; May 5.
Stoker, Locomotive. H. E. Lippert. 2,039,324; May 5.
Stoker, Marine. H. P. Anderson. 2,039,286; May 5.
Stoking device. W. MacNerland. 2,039,431; May 5.
Stones of plastic material and supplying the stones with indicia, Forming. J. P. McDanald. 2,039,488; May 5.
Stool to support molds for casting metal. C. H. Aldrich. 2,039,872; May 5
Storage device, Combination. E. A. Miller. 2,039,823; May 5.
Stove construction. S. Klute. 2,039,539; May 5.
Stove construction. A. H. Timerman. 2,039,614; May 5.
Stretcher, Wire. A. T. Verschelden. 2,039,693; May 5.
Strip feed mechanism. A. S. Howell. 2,039,906; May 5.
Strip, Finishing. W. Bishop. 2,039,877; May 5.
Strip for advertising matter, Attaching. L. E. Klump. 2,039,804; May 5.
Stripping apparatus. P. A. Raiche. 2,039,626; May 5.
Substances, Method for working. C. H. Howland-Shearman. 2,039,841; May 5.
Sulphates of barium and calcium, Making. J. McCallum. 2,039,432; May 5.
Superheterodyne receiver. W. J. O'Brien. 2,039,923; May 5.
Support: *See*—
Adjustable lamp support. Foot arch support.
Bearing support. Garment support.
Support for Venetian blinds. G. W. Kirsch. 2,039,538; May 5.
Supporter, Garment. W. D. Groesbeck. 2,040,046; May 5.
Surgical instrument, Combination speculum. J. J. McGerry. 2,039,546; May 5.
Suspenders. K. Chase. 2,039,884; May 5.
Switch: *See*—
Doorbell switch. Selective switch.
Switch box. F. E. Norton. 2,039,550; May 5.
Switch controlling apparatus, Railway. F. H. Nicholson. 2,039,828; May 5.
Switch device, Electric. A. Hall. 2,039,957; May 5.
Switch mechanism, Film opreated. J. D. Ritenour. 2,039,661; May 5.
Switching device. H. J. L. Frank. 2,039,589; May 5.
Switching system. J. G. Ferguson. 2,039,640; May 5.
Synchronizing system. B. Adler. 2,039,869; May 5.
Tab, Web roll. H. A. W. Wood. 2,039,696; May 5.
Tabulating machine. E. M. La Boiteaux. 2,039,810; May 5.
Table: *See*—
Beach umbrella table. Ironing table.
Convertible table. Work supporting table.
Extension table.
Tank trailer. H. H. Robinson. 2,039,452; May 5.
Tape, Fastener. J. A. O'Brien. 2,039,829; May 5.
Tappets, Forming. J. L. Dostal. 2,039,397; May 5.
Target. W. H. Reynolds. 2,039,552; May 5.
Telegraph repeater. E. T. Burton. 2,039,629; May 5.
Telephone line. O. Henderson. 2,039,413; May 5.
Telephone system. W. H. Grinsted and J. E. Tees. 2,039,592; May 5.
Telephone system. J. C. Kelly. 2,039,650; May 5.
Telephone system. R. F. Massonneau. 2,039,654; May 5.
Telephone system. R. L. Stokely. 2,039,668; May 5.
Tension device, Printing press. H. A. W. Wood. 2,039,472; May 5.
Testing apparatus. M. J. Lewis. 2,039,428; May 5.
Tetrathionate solutions, Forming. L. Rosenstein. 2,039,555; May 5.
Thermally operated valve. J. A. Spencer. 2,039,358; May 5.
Thermostat for scales. J. S. Ogsbury. 2,039,339; May 5.
Tire building apparatus. A. L. Heston. 2,039,532; May 5.
Tire building drum, Telescopic. A. L. Heston. 2,039,531; May 5.
Tire, Pneumatic. J. Ledwinka. 2,039,726; May 5.
Tire, Railway vehicle. J. P. Tarbox. 2,039,498; May 5.
Toaster, Automatic. M. H. Graham. 2,039,956; May 5.
Tomato grading and sizing machine. J. R. Fitzgerald. 2,039,688; May 5.
Tool: *See*—
Machine tool. Percussive tool.
Tool for shoe shanks and soles, Buffing. P. Lauretti. 2,039,723; May 5.
Tool head. C. H. Howland-Shearman. 2,039,849; May 5.
Torch apparatus, Welding. W. R. Ost and H. G. Hughey. 2,040,062; May 5.
Towel holder. J. S. Bear. 2,039,620; May 5.
Toy. C. Martin. 2,039,731; May 5.
Toy, Parachute. J. Juhlin. 2,039,597; May 5.
Toy, Spinning. G. Savich. 2,039,609; May 5.
Toy vehicle. H. Kister. 2,040,005; May 5.
Traction wheel unit. W. H. Baker. 2,039,513; May 5.
Traffic controlling apparatus, Railway. R. A. McCann and H. S. Young. 2,039,820; May 5.
Traffic controlling apparatus, Railway. H. A. Wallace. 2,039,616; May 5.
Trailer hitch coupling. L. A. Tade. 2,039,689; May 5.
Transmission, Reversing. C. F. Rossetter. 2,039,665; May 5.
Transportation unit. K. Y. Messick. 2,039,489; May 5.
Tray, Lap. C. P. Neats and W. W. Calahan. 2,039,922; May 5.
Trim panel. G. E. Gagnier. 2,039,686; May 5.
Tube: *See*—
Flexible metal tube. Two-seal inner tube.
Tube manufacture, Fin. J. E. Trainer. 2,039,690; May 5.
Tubing, Sheet metal. E. B. Morgan and M. Nuberg. 2,039,824; May 5.

Tulle and lace comprising multiple elastic threads. A. Isaac. 2,039,419; May 5.
2-keto-levo-gulonic acid and product thereof, Manufacture of. T. Reichstein. 2,039,929; May 5.
Two-seal inner tube. M. Prokul. 2,039,343; May 5.
Typewriter. O. Haas. 2,039,991; May 5.
Umbrella. H. Goldman. 2,039,987; May 5.
Universal joint. S. G. Jones. 2,040,002; May 5.
Utensil, Kitchen. C. Kelsay. 2,040,004; May 5.
Vacuum cleaner. N. H. Watts. 2,039,860–2; May 5.
Vacuum cleaner dust bag. H. I. Richards. 2,039,741; May 5.
Vacuum closing machine. R. E. J. Nordquist and J. D. Le Frank. 2,039,338; May 5.
Valve: *See*—
Reactionless valve. Thermally operated valve.
Self-tapping brake valve.
Valve control, Automatic. P. H. Roberts. 2,039,662; May 5.
Valve device. W. B. Parker. 2,040,015; May 5.
Valve mechanism. L. J. Vetrano. 2,039,465; May 5.
Vaporizer for internal combustion engines. A. Seidel. 2,039,353; May 5.
Vaults, Apparatus for lowering and handling burial. L. V. Troup. 2,039,464; May 5.
Vegetable cutting machine. D. J. Jokubaitis. 2,039,962; May 5.
Vegetable hydrating apparatus. B. F. Bird. 2,039,768; May 5.
Vegetables, Apparatus for peeling. A. Mikelson. 2,039,490; May 5.
Vehicle. V. W. Kliesrath. 2,039,317; May 5.
Vehicle construction. R. P. Schlirf. 2,039,983; May 5.
Vehicle jack, Hydraulic. E. F. Green. 2,039,896; May 5.
Vehicle, Land and water. A. Ruzicka. 2,039,608; May 5.
Vehicle, Motor. V. W. Kliesrath. 2,039,318; May 5.
Vending machine. J. F. Burke. 2,039,282; May 5.
Vending machine, Coin freed. H. G. Dalton and J. W. Smith. 2,039,395; May 5.
Veneering. R. N. Hartzell. 2,039,284; May 5.
Ventilating device. B. A. Morton. 2,039,826; May 5.
Ventilator: *See*—
Window ventilator.
Ventilator. T. A. Heppenstall. 2,039,484; May 5.
Vessel. J. Englis. 2,039,399; May 5.
Viscosity of cellulose nitrate, Reduction of. N. Bacon. 2,039,381; May 5.
Voltmeter, Contact making. F. J. Champlin. 2,039,632; May 5.
Volume control for reflex. circuits. O. H. Schade. 2,039,666; May 5.
Volume control receiver, Automatic. C. Travis. 2,039,615; May 5.
Ware, Decorating enameled. W. B. Moore. 2,039,548; May 5.
Washer: *See*—
Gas washer. Oscillating clothes washer.
Watch construction. R. H. Whitehead. 2,039,672; May 5.
Water from webs of pulp or paper, Extracting. W. P. Evans. 2,039,308; May 5.
Watering tube device for packaged plants, shrubs, etc. C. E. Gardner. 2,039,986; May 5.
Wave receiver, Single dial all. C. L. Chunn. 2,039,885; May 5.
Web, Reenforced carded. J. H. Goldman. 2,039,312; May 5.
Web splicing device. I. Tornberg. 2,039,463; May 5.
Web supply carrier for typewriting machines. C. W. Larkin. 2,039,721; May 5.
Weeder. C. L. Campbell. 2,039,702; May 5.
Welding machine. F. Vetorino. 2,039,857; May 5.
Welding method and apparatus. C. A. Wulf. 2,040,038; May 5.
Well drilling apparatus. J. A. Lupfer. 2,039,816; May 5
Wells, Apparatus for pumping deep. G. E. Behnke. 2,039,621; May 5.
Welting and shoemaking therewith. P. C. Arnold. 2,039,287; May 5.
Welting and shoemaking therewith. W. C. Vizard. 2,039,370; May 5.
Wheel: *See*—
Rail car wheel.
Wheel axle suspension. M. Wagner. 2,039,671; May 5.
Wheel for dual demountable rims, Vehicle. L. J. Rogers. 2,039,554; May 5.
Wheels and the like, Method and apparatus for testing grinding. H. R. Simonds. 2,039,563; May 5.
Windshield frame. A. T. Potter. 2,039,836; May 5.
Winding machine with mechanical charging of bobbins. W. Reiners and G. Kahlisch. 2,040,023; May 5.
Window for vehicle doors. L. Salves. 2,039,455; May 5.
Window, Sound excluding. J. Kahn and D. K. MacLeod. 2,040,049; May 5.
Window ventilation apparatus. A. McLaughlin. 2,039,970; May 5.
Window ventilator. L. C. Reed. 2,039,346; May 5.
Wiper, Windshield. C. F. Kaemmerlem and E. J. Willis. 2,039,598; May 5.
Wires and wire clamp, Clamping. O. J. Stonecipher. 2,039,462; May 5.
Wires, Apparatus for connecting. E. W. Cooper. 2,039,635; May 5.
Wood, Impregnating. J. R. Coolidge and J. H. McCready. 2,039,393; May 5.
Wool or other material, Apparatus for treating. G. E. Petersen. 2,039,884; May 5.
Work handling mechanism for machine tools. E. R. Smith and A. Schinkez. 2,040,028; May 5.
Work head. C. H. Howland-Shearman. 2,039,847; May 5.
Work supporting table. C. H. Howland-Shearman. 2,039,843; May 5.
Wringer. W. L. Kauffman, 2d. 2,039,803; May 5.
Wringer. H. L. Morin. 2,039,439; May 5.
X-ray system. W. K. Kearsley. 2,039,908; May 5.
Yarn and fabric. G. H. Thompson. 2,039,569; May 5.
Yoke for electrical conductors, Strain. J. J. Taylor. 2,039,499; May 5.

CLASSIFICATION OF PATENTS

ISSUED MAY 5, 1936

NOTE.—First number=class, second number=subclass, third number=patent number

2— 20: 2,039,505
42: 2,039,821
78: 2,039,946
89: 2,040,029
169: 2,040,052
192: 2,039,911
201: 2,039,478
265: 2,039,829
4— 13: 2,040,067
255: 2,039,467
257: 2,039,792
5— 348: 2,039,289
8— 5: 2,040,061
20: 2,040,065
9— 1: 2,039,608
12— 4: 2,039,448
17: 2,039,321
38: 2,039,868
80: 2,039,359
87: 2,039,695
142: 2,039,287
2,039,370
13— 6: 2,039,853
15— 8: 2,039,860
16: 2,039,861
2,039,862
180: 2,039,356
2,039,903
188: 2,039,278
229: 2,039,510
230: 2,039,677
231: 2,039,594
245: 2,039,716
16— 82: 2,039,960
85: 2,039,961
101: 2,039,866
131: 2,039,774
17— 4: 2,039,350
7: 2,039,850
18— 2: 2,039,626
15: 2,039,283
48: 2,039,743
53: 2,039,529
54: 2,039,279
2,039,301
2,039,306
57: 2,039,706
59: 2,039,386
2,039,500
61: 2,039,488
19— 55: 2,039,865
82: 2,039,807
20— 4: 2,039,864
20: 2,039,296
22: 2,039,430
99: 2,040,010
21— 12: 2,039,393
22— 139: 2,039,872
141: 2,039,453
213: 2,039,397
23— 43: 2,039,444
91: 2,039,653
122: 2,039,432
150: 2,039,330
158: R. 19,953
223: 2,039,297
24— 11: 2,039,410
73: 2,039,394
2,039,620
205: 2,039,976
25— 142: 2,039,445
155: 2,039,619
26— 21: 2,039,882
55: 2,039,649
29— 33: 2,039,754
2,039,755
44: 2,039,347
57: 2,039,646
88.2: 2,039,371
105: 2,039,427
148.2: 2,039,602
157.6: 2,039,967
2,039,968
159. 2,039,707
180: 2,039,824
30— 9: 2,039,443
69: 2,040,009
30— 79: 2,039,575
31— 45: 2,040,003
58: 2,039,421
61: 2,039,958
32— 32: 2,039,880
63: 2,039,418
33— 1: 2,039,333
30: 2,039,584
47: 2,039,907
76: 2,039,402
148: 2,039,718
172: 2,039,697
34— 19: 2,039,429
26: 2,039,265
30: 2,039,834
40: 2,039,329
36— 7.3: 2,039,476
8.5: 2,040,043
22: 2,039,767
25: 2,040,001
70: 2,039,954
71: 2,039,675
37— 56: 2,039,944
40— 33: 2,039,770
34: 2,040,006
107: 2,039,567
129: 2,039,804
135: 2,039,998
140: 2,040,012
41— 26: 2,039,548
42— 57: 2,039,930
69: 2,039,814
44— 9: 2,039,576
2,039,595
45— 138: 2,039,686
46— 50: 2,039,819
51: 2,039,731
59: 2,039,609
86: 2,039,597
87: 2,039,918
141: 2,039,373
168: 2,039,928
47— 26: 2,039,522
37: 2,039,442
38: 2,039,986
48— 196: 2,039,603
49— 45: 2,039,927
54: 2,039,955
51— 11: 2,039,938
26: 2,039,852
103: 2,039,711
197: 2,039,723
209: 2,039,578
53— 1: 2,039,477
2: 2,040,004
5: 2,039,541
58— 127: 2,039,672
60— 52: 2,039,893
62: 2,039,951
61— 30: 2,040,022
62— 1: 2,039,684
2,039,736
2,040,059
5: 2,039,588
91.5: 2,039,334
2,039,395
2,039,917
103: 2,039,685
126: 2,039,796
152: 2,039,762
157: 2,039,299
175.5: 2,039,889
64— 17: 2,040,002
66— 9: 2,039,932
28: 2,040,021
82: 2,040,047
156: 2,039,724
2,039,725
2,039,735
172: 2,039,931
176: 2,040,058
178: 2,039,293
68— 10: 2,039,642
15: 2,039,508
2,039,660
32: 2,039,439
2,039,803
70— 52: 2,039,433
91: 2,039,873
72— 16: 2,039,601
118: 2,039,382
73— 44: 2,039,337
51: 2,039,506
2,039,832
2,040,042
120: 2,039,965
74— 10: 2,039,622
200: 2,039,298
230.17: 2,039,461
242.12: 2,039,875
300: 2,040,016
337: 2,039,451
376: 2,039,665
389: 2,039,664
421: 2,039,845
445: 2,039,706
483: 2,039,407
600: 2,039,848
75— 7: 2,039,645
2,039,833
28: 2,039,331
67: 2,039,483
107: 2,039,656
136: 2,039,822
142: 2,039,458
156: 2,040,053
158: 2,040,054
2,040,055
76— 111: 2,039,771
77— 2: 2,039,715
2,039,719
2,039,728
80— 32: 2,039,914
38: 2,039,959
81— 3.3: 2,039,891
82— 2: 2,039,480
2,039,876
2,040,028
83— 62: 2,039,926
75: 2,039,572
91: 2,040,030
84— 1: 2,039,651
2,039,659
267: 2,039,965
426: 2,039,518
85— 46: 2,039,368
87— 2: 2,039,481
9: 2,039,377
12: 2,039,989
88— 2.3: 2,039,878
14: 2,039,355
18.4: 2,039,906
18.7: 2,039,949
19.3: 2,039,341
24: 2,039,691
39: 2,040,066
57: 2,039,709
93: 2,039,474
90— 13.5: 2,039,294
19: 2,039,349
91— 68: 2,039,284
2,039,361
2,039,753
2,039,776
2,039,808
92— 44: 2,039,780
48: 2,039,610
52: 2,039,308
93— 2: 2,039,491
35: 2,039,980
36: 2,039,319
94— 1.5: 2,039,683
4: 2,039,420
18: 2,039,775
23: 2,039,450
95— 5: 2,039,412
18: 2,039,648
31: 2,039,517
2,040,018
40: 2,039,737
44: 2,040,050
88: 2,039,730
96— 24: 2,039,419
97— 50: 2,039,316
97— 50: 2,039,801
109: 2,040,044
169: 2,039,702
215: 2,040,068
98— 2: 2,039,403
84: 2,039,484
88: 2,039,826
2,040,049
94: 2,039,346
2,039,970
99— 15: 2,039,739
196: 2,039,409
234: 2,039,313
101— 93: 2,039,791
123: 2,039,909
235: 2,039,566
287: 2,039,500
351: 2,039,867
366: 2,039,435
2,039,992
103— 87: 2,039,698
96: 2,039,915
175: 2,039,570
179: 2,039,621
202: 2,039,583
218: 2,039,309
104— 149: 2,039,473
105— 215: 2,039,489
409: 2,040,045
106— 17: 2,039,837
40: 2,039,302
2,039,303
2,039,307
2,039,744
108— 5: 2,039,502
26: 2,039,674
110— 29: 2,039,423
45: 2,039,389
2,039,422
101: 2,039,286
2,039,324
2,039,325
2,039,380
104: 2,039,431
2,039,890
116: 2,039,761
113— 1: 2,039,338
59: 2,040,062
114— 66.5: 2,039,585
2,039,586
70: 2,039,399
115— 17: 2,039,535
21: 2,039,392
116— 142: 2,039,694
117— 2: 2,039,569
50: 2,039,438
119— 15: 2,039,783
16: 2,039,562
120— 18: 2,039,466
93: 2,039,687
109: 2,039,326
2,039,327
121— 5: 2,039,310
7: 2,039,941
9: 2,039,311
41: 2,039,924
122— 4: 2,039,892
172: 2,039,515
303: 2,039,537
392: 2,039,874
123— 16: 2,040,036
117: 2,039,396
145: 2,039,525
169: 2,040,051
196: 2,039,942
126— 1: 2,039,539
39: 2,039,614
2,039,652
93: 2,039,673
127— 69: 2,039,605
128— 9: 2,039,546
146: 2,039,681
289: 2,039,446
129— 1: 2,039,752
131— 52: 2,039,298
132— 33: 2,039,558
2,039,789
132— 79: 2,039,323
134— 18: 2,039,524
26: 2,039,364
2,039,365
2,039,366
2,039,734
2,040,000
58: 2,039,769
135— 5: 2,039,504
33: 2,039,987
137— 152: 2,040,015
138— 47: 2,040,019
70: 2,039,781
75: 2,039,886
77: 2,039,387
139— 192: 2,039,454
140— 113: 2,039,635
141— 9: 2,039,362
146— 2: 2,039,678
98: 2,039,457
116: 2,039,962
177: 2,039,778
184: 2,040,017
197: 2,039,276
202: 2,039,280
148— 16: 2,039,487
150— 1.6: 2,039,913
42: 2,039,887
54: 2,039,786
152— 22: 2,039,343
154— 9: 2,039,531
2,039,627
10: 2,039,532
14: 2,039,745
29: 2,039,425
30: 2,039,750
44: 2,039,372
45.9: 2,039,536
46: 2,039,312
2,039,401
155— 7: 2,039,682
9: 2,039,818
184: 2,039,877
156— 17: 2,039,538
158— 4: 2,039,607
2,039,936
2,039,937
28: 2,039,910
53: 2,039,790
92: 2,039,591
116: R. 19,959
117.1: 2,040,011
164— 61: 2,039,831
86: 2,039,842
2,039,843
2,039,847
113: 2,039,906
118: 2,039,849
125: 2,039,840
2,039,841
167— 78: 2,039,940
170— 162: 2,039,720
163: 2,039,628
171— 34: 2,039,863
95: 2,040,060
97: 2,039,851
119: R. 19,957
2,039,314
252: 2,039,547
172— 36: R. 19,954
2,039,526
120: 2,039,322
2,039,456
239: 2,040,014
293: 2,039,869
173— 244: 2,039,977
251: 2,039,499
259: 2,039,569
264: 2,039,587
273: 2,039,462
328: 2,039,871
334: 2,039,916
363: 2,039,996
367: 2,039,475
175— 41: 2,039,340
41.5: 2,039,623
176— 1: 2,039,978
176— 16: 2,039,772
38: 2,039,773
177— 7: 2,039,717
311: 2,039,516
2,039,765
336: 2,039,479
2,039,568
337: 2,039,360
339: 2,039,604
2,039,975
751: 2,039,404
2,039,405
352: 2,039,647
353: 2,039,966
178— 70: 2,039,629
179— 6.3: 2,039,631
7.1: 2,039,654
18: 2,039,640
26: 2,039,650
27: 2,039,668
27.54: 2,039,630
2,039,644
35: 2,039,413
51: 2,039,592
100.2: 2,039,742
100.3: 2,039,436
103: 2,039,625
115.5: 2,039,854
2,039,856
180— 1: 2,039,460
54: 2,039,318
64: 2,040,035
65: 2,039,513
70: 2,039,317
2,039,378
90: 2,039,503
181— 42: 2,039,800
183— 51: 2,039,741
83: 2,039,692
114.5: 2,039,411
184— 28: 2,040,007
76: 2,039,511
187— 82: 2,039,606
188— 3: 2,039,509
62: 2,039,984
88: 2,040,063
195: 2,039,713
189— 1: 2,039,293
31.5: 2,039,533
37: 2,039,398
49: 2,039,468
56: 2,039,447
192— 3: 2,039,582
4: 2,039,553
29: 2,039,846
46: 2,039,844
68: 2,040,034
69: 2,039,500
84: 2,039,714
134: 2,039,964
138: 2,039,598
194— 16: 2,039,519
84: 2,039,544
196— 10: 2,039,440
2,039,441
13: 2,040,057
15: 2,039,963
17: 2,040,056
48: 2,039,797
2,039,835
2,040,048
2,040,064
49: 2,039,459
50: 2,039,894
58: 2,039,379
61: 2,039,611
67: 2,039,981
96: 2,039,904
106: 2,039,979
197— 6.1: 2,039,406
22: 2,039,991
133: 2,039,721
198— 16: 2,039,994
199— 50: 2,039,993
200— 4: 2,039,581
37: 2,039,920
52: 2,039,661

200— 83: 2,039,376
104: 2,039,632
115.5: 2,039,336
133: 2,039,589
148: 2,039,838
166: 2,039,967
2,039,995
201— 67: 2,039,760
2,039,974
202— 5: 2,039,763
204— 9: 2,039,555
12: 2,039,328
24: 2,039,636
205— 12: 2,039,746
206— 7: 2,039,383
41.4: 2,039,559
44: 2,040,041
56: 2,039,560
57: 2,039,530
207— 16: 2,039,947
208— 38: 2,040,005
209— 84: 2,039,688
453: 2,039,291
457: 2,039,613
210— 1: 2,039,839
149: 2,039,573
178: 2,039,281
211— 65: 2,039,497
99: 2,039,758
215— 22: 2,039,811
31: 2,039,345
43: 2,039,757
65: 2,039,385
79: 2,039,658
216— 58: 2,039,825
217— 7: 2,039,612
28: 2,039,486
219— 4: 2,039,857
2,039,858
8: 2,039,690
10: 2,040,038
19: 2,039,545
2,039,956
41: 2,039,641
220— 1: 2,039,374
39: R. 19,956
56: 2,039,764

220— 61: 2,040,024
94: 2,039,574
221— 23: 2,039,643
47.3: 2,039,881
60: 2,039,952
2,040,013
96: 2,039,534
101: 2,039,662
114: 2,039,624
130: 2,039,485
223— 58: 2,039,788
63: 2,039,596
84: R. 19,955
224— 29: 2,039,939
225— 9: 2,039,564
18: 2,039,704
41: 2,039,902
229— 5.7: 2,039,424
6: 2,039,859
17: 2,039,437
34: 2,039,315
51: 2,039,830
52: 2,039,971
87: 2,039,384
230— 49: 2,039,999
232— 41: 2,039,935
235— 60: 2,039,925
79: 2,039,795
88: 2,039,921
132: 2,040,025
2,040,026
2,040,027
144: 2,039,810
2,040,031
236— 11: 2,039,948
74: 2,039,300
80: 2,039,358
240— 41: 2,039,953
241— 12: 2,040,046
19: 2,039,884
242— 35.5: 2,040,023
58: R. 19,958
2,039,463
2,039,470
2,039,471
2,039,696
75: 2,039,472

242— 114: 2,039,915
244— 2: 2,039,813
14: 2,039,676
246— 3: 2,039,616
29: 2,039,828
39: 2,039,820
63: 2,039,639
247— 3: 2,039,793
2,039,982
21: 2,039,550
248— 38: 2,039,779
63: 2,039,501
101: 2,039,561
122: 2,039,408
268: 2,039,972
250— 11: 2,039,812
20: 2,039,615
2,039,618
2,039,634
2,039,657
2,039,663
2,039,666
2,039,777
2,039,897
2,039,905
2,039,923
27: 2,039,449
2,039,888
27.5: 2,039,637
2,039,655
33: 2,039,295
2,039,988
34: 2,039,908
40: 2,039,885
251— 68: 2,039,465
93: 2,039,523
132: 2,039,933
252— 25: 2,039,512
254— 2: 2,039,895
2,039,896
38: 2,039,919
136: 2,039,464
161: 2,039,693
168: 2,039,870
255— 19: 2,039,816
28: 2,039,943
2,039,945

255— 42: 2,039,679
2,039,680
63: 2,039,494
71: 2,039,551
72: 2,039,520
256— 13.1: 2,039,617
68: 2,039,879
257— 137: 2,039,375
205: 2,039,556
256: 2,039,593
259— 1: 2,039,277
113: 2,039,934
260— 2: 2,039,363
2,039,367
2,040,033
2,039,898
14: 2,039,577
26: 2,039,415
2,039,802
28: 2,040,039
2,040,040
40: 2,039,809
67: 2,039,571
101: 2,039,290
112: 2,039,929
116: 2,039,722
124: 2,039,304
2,039,305
125: 2,039,514
128: 2,039,390
2,039,391
134: 2,039,543
148: 2,039,381
154: 2,039,344
2,039,414
2,039,434
156: 2,039,790
168: 2,039,798
261— 18: 2,039,353
2,039,354
2,039,990
49: 2,039,549
2,040,020
75: 2,039,950
112: 2,039,540
262— 33: 2,039,416
2,039,417

262— 33: 2,039,747
264— 3: 2,039,495
2,039,507
265— 12: 2,039,579
14: 2,039,563
24: 2,039,428
27: 2,039,997
53: 2,040,037
68: 2,039,527
2,039,528
69: 2,039,339
266— 13: 2,039,738
267— 1: 2,039,342
19: 2,039,983
20: 2,039,670
2,039,671
33: 2,039,759
270— 40: 2,039,335
271— 2.1: 2,039,700
46: 2,039,784
2,039,785
54: 2,039,699
273— 1.5: 2,039,794
35: 2,039,633
51: 2,039,580
80: 2,039,320
94: 2,039,332
102: 2,039,352
2,039,552
2,039,782
141: 2,039,740
143: 2,039,969
274— 10: 2,039,557
2,039,756
277— 3: 2,039,599
20: 2,039,638
279— 79: 2,039,855
280— 5: 2,039,452
33.15: 2,039,689
87: 2,039,749
285— 3: 2,039,748
20: 2,039,388
91: 2,040,008
177: 2,039,787
210: 2,039,542
286— 9: 2,039,493
287— 53: 2,039,917

287— 58: 2,039,973
100: 2,039,912
290— 4: 2,039,426
295— 31: 2,039,498
2,039,726
2,039,727
36: 2,039,351
296— 1: 2,039,492
3: 2,039,667
9: 2,039,369
44: 2,039,455
84: 2,039,836
297— 1: 2,039,292
299— 25: 2,039,769
62: 2,039,768
300— 21: 2,039,565
301— 12: 2,039,554
44: 2,039,496
2,039,521
303— 6.1: 2,039,705
15: 2,039,733
20: 2,039,827
21: 2,039,701
23: 2,039,710
46: 2,039,712
54: 2,039,729
64: 2,039,732
74: 2,039,708
80: 2,039,751
306— 30: 2,039,899
35: 2,039,900
308— 2: 2,039,400
45: 2,039,357
168: 2,039,469
309— 16: 2,040,032
311— 2: 2,039,805
25: 2,039,922
39: 2,039,348
60: 2,039,482
312— 1: 2,039,490
2,039,901
80: 2,039,282
144: 2,039,823

U. S. GOVERNMENT PRINTING OFFICE: 1936

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Alma Trailer Company. (See Redman, William H.)

American Foundry Equipment Company, The, Mishawaka, Ind. Abrasive blast apparatus. Serial No. 370,287; May 12. Class 23.

Anchor Cap & Closure Corporation, Long Island City, N. Y. Metal caps or closures. Serial No. 369,291; May 12. Class 50.

Ansbacher Siegle Corporation, Brooklyn, N. Y. Agricultural insecticidal and fungicidal material. Serial No. 376,325; May 12. Class 6.

Apple Products, Inc., Wenatchee, Wash. Apple juice. Serial No. 376,850; May 12. Class 45.

Arata Bros., Portland, Oreg. Wines. Serial No. 376,627; May 12. Class 47.

Atwater, Harry A., Kansas City, Mo. Educational and amusement game. Serial No. 375,313; May 12. Class 22.

B. V. D. Company, Inc., The, Baltimore, Md. Sport shirts. Serial No. 375,980; May 12. Class 39.

B. Y's Laboratories, Inc., Hollywood and Los Angeles, Calif. Colloidal silver mercury and prophylactic preparations, etc. Serial No. 375,413; May 12. Class 6.

Baker Furniture Factories, Inc., Grand Rapids, Mich. Sofas, stools, love seats, etc. Serial No. 375,419; May 12. Class 32.

Bally Manufacturing Company, Chicago, Ill. Coin operated simulated race game. Serial No. 376,457; May 12. Class 22.

Bear Creek Company, The, Merced, Calif. Fig brandy. Serial No. 374,046; May 12. Class 49.

Bentley-Gray Dry Goods Company, doing business as Nobby Knitting Mills, Tampa, Fla. Polo shirts, bathing suits and trunks, and sweaters. Serial No. 373,990; May 12. Class 39.

Berkshire Knitting Mills, Wyomissing, Reading, Pa. Hosiery. Serial No. 374,119; May 12. Class 39.

B-ettes Company, Inc., Du Bois, Pa. Hygienic tampons. Serial No. 375,535; May 12. Class 44.

Biscegiia Brothers Corp., Philadelphia, Pa. Wine. Serial No. 374,813; May 12. Class 47.

Biscezlia Brothers Corp., Philadelphia, Pa. Wines. Serial No. 375,839; May 12. Class 47.

Bloomingdale Bros., Inc., New York, N. Y. Whiskey, gin, and rum. Serial No. 376,891; May 12. Class 49.

Boker, H., & Co., Inc., New York, N. Y. Articles of cutlery. Serial No. 375,491; May 12. Class 23.

Brock Candy Company, Chattanooga, Tenn. Candy. Serial No. 375,841; May 12. Class 46.

Brown, Floyd, doing business as Cumberland Chemical Company, Nashville, Tenn. Ointment for athletic feet, poison oak, etc. Serial No. 363,997; May 12. Class 6.

Bulldog Electric Products Company, Detroit, Mich. Electrical switches and electrical contact sets. Serial No. 373,775; May 12. Class 21.

Bunte Brothers, Chicago, Ill. Candy. Serial No. 363,267; May 12. Class 46.

Canadian Fur Trappers Corporation, New York, N. Y. Fur coats and fur trimmed coats. Serial No. 374,511; May 12. Class 39.

Capitol Wine & Spirit Corporation, New York, N. Y. Whiskey. Serial No. 376,375; May 12. Class 49.

Capitol Wine & Spirit Corporation, New York, N. Y. Whiskey. Serial No. 376,895; May 12. Class 49.

Carson, Albert, doing business as Duocraft Co., New York, N. Y. Handbags, pocket books, purses, etc. Serial No. 373,776; May 12. Class 3.

Cash Economy Wholesale Grocery Co., doing business as Keco Milling Co. and U-Tote-Em Stores, McKenzie, Tenn. Coffee, wheat flour, and corn meal. Serial No. 371,962; May 12. Class 46.

Castilian Products Corp., Los Angeles, Calif. Cleansing creams, tissue creams, liquid powder base, etc. Serial No. 375,239; May 12. Class 6.

Celanese Corporation of America, New York, N. Y. Yarns. Serial No. 376,425; May 12. Class 43.

Celanese Corporation of America, New York, N. Y. Yarns. Serial No. 376,895; May 12. Class 43.

Chicago Musical Instrument Company, Chicago, Ill. Accordions. Serial No. 375,976; May 12. Class 36.

Chrisman Supply Co., Inc., Fayetteville, N. Y. Cleaning compound. Serial No. 374,351; May 12. Class 4.

Compagnie Fermiere De L'Etablissement Thermal De Vichy, Paris, France. Natural mineral waters. Serial No. 373,911; May 12. Class 45.

Corrao, Antonio, New York, N. Y. Olive oil. Serial No. 366,607; May 12. Class 46.

Crescent Cable Co., doing business as Crescent Automotive Cables, Pawtucket, R. I. Automobile harness, automobile battery cable leads, automobile hi-tension ignition cable, etc. Serial No. 373,598; May 12. Class 21.

Cumberland Chemical Company. (See Brown, Floyd.)

Danberg Furs, Inc., New York, N. Y. Ladies' fur coats. Serial No. 374,323; May 12. Class 39.

Derby Oil Company, Wichita, Kans. Gasoline. Serial No. 375,379; May 12. Class 15.

Dolly Dimple Laboratories, Atlanta, Ga. Hair pomade. Serial No. 376,197; May 12. Class 6.

Du Bois Soap Co., The, Cincinnati, Ohio. Liquid soaps and oil soaps. Serial No. 355,184; May 12. Class 4.

Duncan, Donald F., Inc., Chicago, Ill. Shuttlecocks. Serial No. 374,408; May 12. Class 22.

Duocraft Co. (See Carson, Albert.)

E. and T. Fairbanks and Company, St. Johnsbury, Vt. Weighing machines and parts thereof. Serial No. 373,372; May 12. Class 26.

Eastman Features, Inc., New York, N. Y. Horoscopes. Serial Nos. 375,933–4 May 12. Class 38.

Eastman Kodak Company, Rochester, N. Y. Photographic printing machines. Serial No. 376,429; May 12. Class 26.

Eff Laboratories, Inc., Cleveland, Ohio. Concentrates and preparations rich in vitamin activity. Serial No. 371,591; May 12. Class 6.

Enterprise Manufacturing Company, The, Akron, Ohio. Hooks, snelled hooks, flies, etc. Serial No. 376,467; May 12. Class 22.

Fashion Park Manufacturing Corporation, Rochester, N. Y. Men's suits. Serial Nos. 375,287–8; May 12. Class 39.

Feron, Stephen J., Inc., New York, N. Y. Tennis rackets, squash rackets, badminton rackets, etc. Serial No. 376,839; May 12. Class 22.

Findler & Wibel, Inc., New York, N. Y. Blotting paper and pencils. Serial No. 373,778; May 12. Class 37.

Fumol Corporation, New York, N. Y. Insecticides, germicides, and disinfectants. Serial No. 362,254; May 12. Class 6.

Gaire, Paul G., New York, N. Y. Permanent wave machines. Serial No. 375,142; May 12. Class 44.

General Chemical Company, New York, N. Y. Chemical detergents. Serial No. 375,504; May 12. Class 4.

Gimbel Brothers, Inc., New York, N. Y. Men's and boys' underwear. Serial No. 375,384; May 12. Class 39.

Glenn Confections, Inc., Buffalo, N. Y. Chewing gum. Serial No. 375,760; May 12. Class 46.

Goodrich, B. F., Company, The, New York, N. Y., and Akron, Ohio. Sheet packing. Serial No. 375,081; May 12. Class 35.

Gordon & Ferguson Company, St. Paul, Minn. Coats. Serial No. 376,274; May 12. Class 39.

Green, Elbert C., doing business as Sal-Be-Men Laboratories, Tampa, Fla. Preparation for use in the treatment of parasitical itch, etc. Serial No. 376,169; May 12. Class 6.

Hawley, Adelaide J., doing business as Marie West Products, Los Angeles, Calif. Mouth wash for tobacco users who want to stop smoking. Serial No. 374,116; May 12. Class 6.

Heger Products Company, St. Paul, Minn. Dog foods. Serial No. 376,123; May 12. Class 46.

Hettrick Manufacturing Company, The, Toledo, Ohio. Cotton piece goods. Serial No. 373,734; May 12. Class 42.

Hettrick Manufacturing Company, The, Toledo, Ohio. Metal furniture. Serial No. 375,212; May 12. Class 32.

Hilton, James H., St. Louis, Mo. Whiskey. Serial No. 376,244; May 12. Class 49.

Hoadley, Walter, doing business as Hoadley Drug Company, Brooklyn, N. Y. Healing ointment. Serial No. 375,245; May 12. Class 6.

Hostettler, Harold R., doing business as Swan-Reed Company, Cleveland, Ohio. Medicinal preparation. Serial No. 376,279; May 12. Class 6.

Imperial Brass Manufacturing Company, The, Chicago, Ill. Bending tools, pinch-off tools, tube cutters, etc. Serial No. 373,035; May 12. Class 23.

Imperial Brass Manufacturing Company, The, Chicago, Ill. Rubber and rubber covered hose. Serial Nos. 373,036–7; May 12. Class 35.

Imperial Brass Manufacturing Company, The, Chicago, Ill. Bending tools, pinch-off tools, tube cutters, etc. Serial No. 373,039; May 12. Class 23.

Industrial Cigar Company, Pittsburgh, Pa., and Barnesville, Ohio. Stogies. Serial No. 371,772; May 12. Class 17.

International Business Machines Corporation, New York, N. Y. Periodical publication. Serial No. 365,845; May 12. Class 38.

International Business Machines Corporation, New York, N. Y. Periodical publications. Serial No. 365,947; May 12. Class 38.

International Business Machines Corporation, New York, N. Y. Writing machines. Serial No. 376,389; May 12. Class 23.

Isaacs, L. C., & Company, Inc., Baltimore, Md. Riding breeches, jodhpurs, and riding coats and vests. Serial No. 376,501; May 12. Class 39.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Jackson-Wheeler Metals Service, Inc., Brooklyn, N. Y. Machinery bushings and bearings. Serial No. 376,347; May 12. Class 23.

Johnson, S. T., Company, Oakland, Calif. Fluid fuel furnace. Serial No. 368,037; May 12. Class 34.

Kaylene Limited, London, England. Medicinal preparation. Serial No. 375,511; May 12. Class 6.

Keco Milling Co. (See Cash Economy Wholesale Grocery Co.)

Kidder Oil Company, La Crosse, Wis. Motor lubricating oils. Serial Nos. 373,175–6; May 12. Class 15.

Kohn, Julius, New York, N. Y. Pyrophoric lighters, flint for lighters and wicks for lighters. Serial No. 375,590; May 12. Class 34.

Koisterol, Incorporated, Detroit, Mich. Antiseptic germicidal solution for external use. Serial No. 375,443; May 12. Class 6.

Koppel Industrial Car and Equipment Company, Koppel, Pa. Apparatus for casting concrete structures. Serial No. 376,433; May 12. Class 23.

Kurlash Company, Inc., The, Rochester, N. Y. Eye beauty pencils. Serial No. 375,645; May 12. Class 6.

Lavena Corporation, The, Chicago, Ill. Beauty preparation. Serial No. 373,880; May 12. Class 6.

Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Topcoats. Serial Nos. 375,996–7; May 12. Class 39.

Liberty Watch Case Co., Inc., New York, N. Y. Watches. Serial No. 375,332; May 12. Class 27.

Link-Belt Company, Chicago, Ill. Machinery, apparatus and parts thereof for treating and handling sewage and sludge. Serial No. 374,888; May 12. Class 23.

London & Company, Inc., Elizabeth, N. J. Gin and whiskey. Serial No. 376,364; May 12. Class 49.

Love, Joseph, Inc., New York, N. Y. Knitted wear for children. Serial No. 374,372; May 12. Class 39.

Lupomatic Tumbling Machine Co., Inc., New York, N. Y. Tumbling barrels, slicing machines, frazing tools, etc. Serial No. 375,552; May 12. Class 23.

Mallott-Johnson Co., Chicago, Ill. Carbonated alcoholic cider. Serial No. 375,259; May 12. Class 47.

Manley Rubber Products Co., Inc., New York, N. Y. Prophylactic rubber articles. Serial No. 370,385; May 12. Class 44.

Marinello Corporation, New York, N. Y. Hair dyes, hair brighteners, shampoo tints, etc. Serial No. 375,893; May 12. Class 6.

Marinovich, Jack G., Watsonville, Calif. Fresh vegetables. Serial No. 376,092; May 12. Class 46.

Marshall-Wells Company, Duluth, Minn. Laundry washing machines and wringers. Serial No. 376,220; May 12. Class 24.

Mason Duplicator Supply Company, Inc., Norfolk, Va. Stencils, varnish for correcting stencils, duplicating outfits, etc. Serial No. 375,154; May 12. Class 37.

Matheson, Frederick J., doing business as Rap-I-Dol Laboratories, New York, N. Y. Hair coloring, shampoo tint, dye and color remover, etc. Serial No. 373,179; May 12. Class 6.

Metwood Manufacturing Co., Rockford, Ill. Kitchen utensils. Serial No. 375,092; May 12. Class 23.

Millard Distilling Co. Inc., Jersey City, N. J. Whiskey. Serial No. 376,219; May 12. Class 49.

Mimosa American Corp., New York, N. Y. Photographic exposure meters. Serial No. 374,152; May 12. Class 26.

Modern Merchandising Bureau, Inc., New York, N. Y. Hats and caps, scarfs, shoes, etc. Serial No. 375,771; May 12. Class 39.

Morgenstern & Weber, New York, N. Y. Fur skins and parts thereof. Serial No. 375,261; May 12. Class 1.

Mower, George A., London, England. Electrically heated blankets and bed pans. Serial No. 374,337; May 12. Class 44.

Murray Ohio Manufacturing Company, The, Cleveland, Ohio. Wagons, scooters, velocipedes, etc. Serial No. 376,599; May 12. Class 22.

Myles Salt Co., Ltd., New Orleans, La. Salt block for stock feed. Serial No. 373,316; May 12. Class 46.

NEA Service, Inc., Cleveland, Ohio. Comic drawings. Serial Nos. 375,851–2; May 12. Class 38.

National Aniline & Chemical Company, Inc., New York, N. Y. Detergent preparations. Serial No. 375,516; May 12. Class 4.

National Aniline & Chemical Company, Inc., New York, N. Y. Chemical dyeing aids, fiber treating, moistening, proteefing, etc., preparations, and dispersing agents of general application. Serial No. 375,517; May 12. Class 6.

National Biscuit Company, New York, N. Y. Pretzels. Serial No. 375,917; May 12. Class 46.

National Yarn Corporation, Cleveland, Ohio. Threads and yarns. Serial No. 373,317; May 12. Class 43.

Nobby Knitting Mills. (See Bentley-Gray Dry Goods Company.)

O. K. Fruit Exchange. (See Ontario-Cucamonga Fruit Exchange.)

Ontario-Cucamonga Fruit Exchange, doing business as O. K. Fruit Exchange, Upland, Calif. Fresh citrus fruit. Serial No. 362,705; May 12. Class 46.

Pacific Coast Aggregates, Inc., San Francisco, Calif. Reinforced concrete building units. Serial No. 375,854; May 12. Class 12.

Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Board game. Serial No. 376,539; May 12. Class 22.

Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Board game. Serial No. 376,780; May 12. Class 22

Penn Action Oil Company. (See Valvoline Oil Company.)

Penn Gram Oil Company. (See Valvoline Oil Company.)

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Magazines. Serial No. 375,660; May 12. Class 38.

Peoples Oil Company, Atlanta, Ga. Lubricating oils. Serial No. 368,861; May 12. Class 15.

Pet Products Co., Inc., Indianapolis, Ind. Shampoo preparation for treating dogs' hair. Serial No. 375,857; May 12. Class 6.

Pevely Dairy Company, St. Louis, Mo. Evaporated milk. Serial No. 376,004; May 12. Class 46.

Phelan-Faust Paint Mfg. Co., St. Louis, Mo. Ready mixed enamel for interior use. Serial No. 376,517; May 12. Class 16.

Phillips Packing Co. Inc., Cambridge, Md. Canned soups, canned vegetables, canned spaghetti, etc. Serial No. 373,615; May 12. Class 46.

Photo Marketing Corporation, New York, N. Y. Cameras and parts thereof, lenses and enlargers, etc. Serial No. 376,133; May 12. Class 26.

Poole, R. Evelyn, Los Angeles, Calif. Medical preparation. Serial No. 375,723; May 12. Class 6.

Portal, Dingwall & Norris, London, England. Whiskey. Serial No. 376,732; May 12. Class 49.

Post Publishing Company, Los Angeles, Calif. Newspaper. Serial No. 375,811; May 12. Class 38.

Quaker Oats Company, The, Chicago, Ill. Wheat flour and cornmeal. Serial No. 376,066; May 12. Class 46.

Radium Emanation Corporation, The, New York, N. Y. Diatherm unit. Serial No. 374,939; May 12. Class 44.

Rains, Solomon E., doing business as S. E. Rains Company, New York, N. Y. Handkerchiefs. Serial No. 359,593; May 12. Class 42.

Rap-I-Dol Laboratories. (See Matheson, Frederick J.)

Redman, William H., doing business as Alma Trailer Company, Alma, Mich. Trailers. Serial No. 374,313; May 12. Class 19.

Reilly Tar & Chemical Corporation, Indianapolis, Ind. Insecticidal and fungicidal material. Serial No. 376,249; May 12. Class 6.

Reliance Manufacturing Company, doing business as The Sterling Company, Chicago, Ill. Dresses. Serial No. 374,432; May 12. Class 39.

Reynolds, Robert E., New Haven, Conn. Alcoholic punches. Serial No. 362,273; May 12. Class 49.

Rhodes, James H., & Company, Chicago, Ill. Chamois skins. Serial No. 374,642; May 12. Class 1.

Rice, Cyrus Wm., & Company, Incorporated, Pittsburgh, Pa. Boiler water conditioning materials. Serial No. 375,600; May 12. Class 6.

Richmond Radiator Company, Inc., Uniontown, Pa., and New York, N. Y. Bath tubs, lavatories, sinks, etc. Serial No. 373,617; May 12. Class 13.

Röhm & Haas Company, Philadelphia, Pa. Chemicals for treating leather. Serial No. 376,447; May 12. Class 6.

Sal-Be-Men Laboratories. (See Green, Elbert C.)

Sales & Bourke, Inc., Petaluma, Calif. Baby chicks. Serial No. 375,727; May 12. Class 46.

Sanitary Refrigerator Company, Fond du Lac, Wis. Ice boxes. Serial No. 371,830; May 12. Class 31.

Schindel-McDaniels Co. Inc., New York, N. Y. Bed sheets and spreads and pillow cases. Serial No. 375,177; May 12. Class 42.

Schwab, Martin C., Chicago, Ill. Shampoo, talcum powder, face powder, tooth powder, etc. Serial No. 376,011; May 12. Class 6.

Sears, Roebuck and Co., Chicago, Ill. Glass substitute. Serial No. 374,804; May 12. Class 50.

Shane, C. B., Corporation, Chicago, Ill. Overcoats and topcoats. Serial No. 375,782; May 12. Class 39.

Shapiro, Ira J., Co. Inc., The, New York, N. Y. Milk of magnesia, tooth paste and powder, cough syrup, etc. Serial No. 374,733; May 12. Class 6.

Silver-Pom Dress Corp., New York, N. Y. Silk and rayon goods. Serial No. 375,275; May 12. Class 42.

Sims, Inc., St. Paul, Minn. Malt and wheat breakfast food. Serial No. 373,657; May 12. Class 46.

Slocum, Jeremiah F., Buffalo, N. Y. Preparation for use in alleviating discomfort resulting from excessive eating and drinking. Serial No. 375,783; May 12. Class 6.

Smith, Kline & French Laboratories, Philadelphia, Pa. Medicine. Serial Nos. 375,675–6; May 12. Class 6.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricating oils and greases. Serial No. 375,354; May 12. Class 15.

Southern States Marketing Cooperative, Incorporated, Richmond, Va., and Washington, D. C. Eggs. Serial No. 370,229; May 12. Class 46.

Staley, A. E., Manufacturing Company, Decatur, Ill. Inedible starch products. Serial No. 375,560; May 12. Class 6.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Stanco Incorporated, New York, N. Y. Nasal douche preparation. Serial No. 375,677; May 12. Class 6.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Lubricating oils and greases. Serial No. 376,071; May 12. Class 15.

Stange, William J., Co., Chicago, Ill. Canned or packaged seasoning. Serial No. 373,158; May 12. Class 46.

Stanley Works, The, New Britain, Conn. Box strapping. Serial No. 368,543; May 12. Class 13.

Stearns & Foster Co., The, Cincinnati and Lockland, Cincinnati, Ohio. Mattresses and box springs. Serial No. 375,356; May 12. Class 32.

Sterling Company, The. (See Reliance Manufacturing Company.)

Sun-Life Brands, Inc., New York, N. Y. Blend of vegetable and fruit juices. Serial No. 372,792; May 12. Class 46.

Swan-Reed Company. (See Hostettler, Harold R.)

Taylor Instrument Companies, Rochester, N. Y. Thermometers and thermometer tubing. Serial No. 376,415; May 12. Class 26.

Teshnor, Maurice R., New York, N. Y. Periodicals. Serial No. 375,358; May 12. Class 38.

Timken-Detroit Axle Company, The, Detroit, Mich. Axle shafts for automotive and street car axles. Serial No. 374,026; May 12. Class 23.

Tom Collins Corporation, The, Covington, Ky. Alcoholic punches, whiskey highball, gin highball, etc. Serial No. 376,717; May 12. Class 49.

Uhlemann Optical Co., Chicago, Ill. Ophthalmic mountings, parts, and fixtures. Serial No. 374,771; May 12. Class 26.

United States Gypsum Company, Chicago, Ill. Fiber building board. Serial No. 376,075; May 12. Class 12.

United States Gypsum Company, Chicago, Ill. Fibre building board. Serial No. 376,076; May 12. Class 12.

United States Playing Card Company, The, Cincinnati, Ohio. Bridge playing cards. Serial Nos. 372,794–9; May 12. Class 22.

United States Playing Card Company, The, Cincinnati, Ohio. Bridge playing cards. Serial No. 372,801; May 12. Class 22.

United States Rubber Products, Inc., New York, N. Y. Rubber tires for vehicles. Serial No. 375,565; May 12. Class 35.

U-Tote-Em Stores. (See Cash Economy Wholesale Grocery Co.)

Valk, S. J., & Son, New York, N. Y. Olives, capers, and bottled cherries. Serial No. 370,637; May 12. Class 46.

Valvoline Oil Company, doing business as Penn Action Oil Company, Cincinnati, Ohio, and New York, N. Y. Lubricating oils and greases. Serial No. 374,772; May 12. Class 15.

Valvoline Oil Company, doing business as Penn Gram Oil Company, Cincinnati, Ohio, and New York, N. Y. Lubricating oils and greases. Serial No. 374,773; May 21. Class 15.

Van Cleef & Arpels, Paris, France. Pyrophoric cigar and cigarette lighters. Serial No. 373,472; May 12. Class 34.

Van Raalte Company, New York, N. Y. Outer and under shirts, pajamas, underwear, etc. Serial No. 374,444; May 12. Class 39.

Vaponefrin Company, Seattle, Wash. Inhalent solution. Serial Nos. 369,314–15; May 12. Class 6.

Vermouth Industries of America, Inc., New York, N. Y. Wines. Serial Nos. 374,915–16; May 12. Class 47.

Vick Chemical Company, Philadelphia, Pa. Medicine droppers. Serial No. 374,867; May 12. Class 44.

Visco Products Company, Houston, Tex. Chemicals employed in thinning drilling mud. Serial No. 375,566; May 12. Class 6.

Visco Products Company, Houston, Tex. Emulsion breaking composition. Serial No. 375,567; May 12. Class 6.

Vivo Chemical Company, Beaver Falls, Pa. Cleanser for painted and varnished surfaces, carpets, and the like. Serial No. 373,982; May 12. Class 4.

Vulcan Proofing Company, New York, N. Y. Coated and waterproof fabrics. Serial No. 374,222; May 12. Class 50.

Ward Baking Company, New York, N. Y. Breakfast cereal, bread, cake, etc. Serial No. 361,342; May 12. Class 46.

Way-Co Company. (See Wayne, Michael W.)

Wayne, Michael W., doing business as Way-Co Company, Baltimore, Md. Non-poisonous alkaline antiseptic soluble powder. Serial No. 375,527; May 12. Class 6.

Weisbaum Bros., Brower Company, The, Cincinnati, Ohio. Neckties and mufflers. Serial No. 375,230; May 12. Class 39.

Wells & Richardson Company, Incorporated, Burlington, Vt. Preparation for removing color from fabrics. Serial No. 375,822; May 12. Class 6.

Wells & Richardson Company, Incorporated, Burlington, Vt. Bluing preparation. Serial No. 375,823; May 12. Class 6.

Wells & Richardson Company, Incorporated, Burlington, Vt. Dyes. Serial Nos. 375,824–6; May 12. Class 6.

West, Marie, Products. (See Hawley, Adelaide J.)

Wheeling Corrugating Company, Wheeling, W. Va. Metal wash tubs. Serial No. 373,090; May 12. Class 24.

Wright Products Manufacturing Co., Minneapolis, Minn. Spray adjusting hoseholders. Serial No. 375,681; May 12. Class 13.

Zukin, Joseph, Dresses Inc., Los Angeles, Calif. Dresses. Serial No. 375,189; May 12. Class 39.

LIST OF REGISTRANTS OF TRADE-MARKS

A. L. F. Company. (See Friend, A. L.)

Aaron, Harry, doing business as Aaron's Beauty Supply Company, Brooklyn, N. Y. Soapless oils, scalp ointments, pine needle oil, etc. 334,701; May 12; Serial No. 369,434; published Feb. 25, 1936. Class 6.

Aeolian Company, The, Meriden, Conn., and New York, N. Y., assignor to Aeolian American Corporation, New York, N. Y. Musical instruments and supplies therefor. 112,461; renewed Sept. 12, 1936.

Aktieselskabet De Danske Spritfabrikker, Copenhagen, Denmark. Liqueur. 334,711; May 12; Serial No. 360,156; published Mar. 3, 1936. Class 49.

Alaska Silver Fox Farms. (See Sterling, Joseph S.)

Alert Products Co. (See Animal Foods Company.)

Amenta, Cosmo, doing business as Gus Amenta Dental Laboratory, Chicago, Ill. Dentures. 334,808; May 12; Serial No. 373,352; published Mar. 3, 1936. Class 44.

American Circular Loom Company, Inc., New York, N. Y. Electrical wires and electrical cords and cables. 334,626; May 12; Serial No. 373,660; published Mar. 3, 1936. Class 21.

American Club Beverages. (See White, Maurice J.)

American Farm Products. (See Johnson, George B.)

American Multigraph Sales Company, The, assignor to Multigraph Company, Cleveland, Ohio. Magazines. 110,088; renewed May 2, 1936.

American Peanut Corporation, Norfolk, to American Peanut Corporation, Suffolk, Va. Peanuts. 111,157–8; renewed July 4, 1936.

American Peanut Corporation, The, Norfolk, to American Peanut Corporation, Suffolk, Va. Peanut-butter and peanuts. 111,781; renewed Aug. 8, 1936.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio. Nails. 334,840; May 12. Class 13.

American Thread Company, The, New York, N. Y. Spool and sewing cotton, cotton thread and yarns, etc. 334,819; May 12; Serial No. 373,122; published Feb. 18, 1936. Class 43.

Angenoa, A., Inc., New York, N. Y. Bread sticks, bread crumbs, and assorted cakes. 334,698; May 12; Serial No. 371,902; published Mar. 3, 1936. Class 46.

Animal Foods Company, doing business as Alert Products Co., San Jose, Calif. Canned foods for dogs, cats, foxes, etc. 334,807; May 12; Serial No. 373,353; published Mar. 3, 1936. Class 46.

Armstrong Stove and Manufacturing Company, Perryville, Md. Coal, wood, coke, etc., burning ranges and furnaces and boilers. 334,855; May 12. Class 34.

Atlas Supply Company, Newark, N. J. Indicators for condition of storage battery cells. 334,790; May 12; Serial No. 369,077; published Mar. 3, 1936. Class 26.

Automatic Washer Company, Newton, Iowa. Domestic ironers. 334,677; May 12; Serial No. 372,868; published Mar. 3, 1936. Class 24.

Babcock Manufacturing Co., Leonardsville, N. Y. Harrows. 334,625; May 12; Serial No. 373,664; published Mar. 3, 1936. Class 23.

Bach, Lesem, & Co. Incorporated, New York, N. Y. Linen, rayon, and cotton fabrics. 334,673; May 12; Serial No. 372,917; published Feb. 18, 1936. Class 42.

Backes, Laurence H., San Francisco, Calif. Foot cream. 334,764; May 12; Serial No. 371,413; published Feb. 25, 1936. Class 6.

Baker & Company, Inc., Newark, N. J. Mercury for dental purposes. 334,818; May 12; Serial No. 373,124; published Mar. 3, 1936. Class 44.

Balaguer, Enrique R., New York, N. Y., to Enrique R. Balaguer, doing business as Dr. Lovett Medicine Co., Brooklyn, N. Y. Medicine for purification of the blood. 112,624; renewed Sept. 19, 1936.

Bauer, William, Company, The, Cleveland, Ohio. Butter, eggs, and vegetable oils for food purposes. 334,745; May 12; Serial No. 360,958; published Mar. 3, 1936. Class 46.

Bejean, Etienne, Paris, France. Preparation for the treatment of gout and rheumatism. 112,628; renewed Sept. 19, 1936.

Bell Textile Co., New York, N. Y. Sheets and pillowcases. 334,684; May 12; Serial No. 367,750; published Feb. 18, 1936. Class 42.

Blenaime, Societe Anonyme, Neuilly-sur-Seine, Seine, France. Perfumes, toilet water, face powder, etc. 334,679–80; May 12; Serial Nos. 372,076–7; published Feb. 18, 1936. Class 6.

Bienen-Davis Inc., New York, N. Y. Pocketbooks, bags, and purses. 334,765; May 12; Serial No. 371,484; published Feb. 25, 1936. Class 3.

Biltmore Wheat-Hearts Corporation. (See Wheat-Hearts Co., The.)

Binnstein, L. M., Inc., New York, N. Y. Boots and shoes. 334,681; May 12; Serial No. 372,038; published Feb. 18, 1936. Class 39.

Bolen, James W., Alexandria, La. Remedy for certain named affections and for bleaching the skin. 109,177; renewed Mar. 28, 1936.

Bolund, C. E., doing business as Tech Manufacturing Company, Chicago, Ill. Compounds to prevent offset, crystallization, and sticking of printing ink. 334,746; May 12; Serial No. 372,234; published Feb. 25, 1936. Class 11.

Benwit, Harold W. (See Tampa Importers, Inc., assignor.)

Boston Blacking & Chemical Co., Boston, Mass. Adhesive cement. 334,736; May 12; Serial No. 372,457; published Feb. 25, 1936. Class 5.

Boston Metal Ceiling and Manufacturing Company, Boston, Mass., to Boston Metal Ceiling and Manufacturing Company, Cambridge, Mass. Sheet-metal work for buildings. 111,174; renewed July 4, 1936.

Bowser, S. F., & Company, Incorporated, Fort Wayne, Ind. Oil filtration and circulation apparatus. 109,387; renewed Apr. 4, 1936.

Bowser, S. F., & Company, Incorporated, Fort Wayne, Ind. Fluid-measuring pumps and meters. 109,710; renewed Apr. 18, 1936.

Britton Company of America. (See Seplowitz Bros.)

Brown, Ernest E., doing business as Brown Laboratories, Greenville, N. C. Headache powders, general tonic, medicine for the treatment of rheumatism, etc. 334,707; May 12; Serial No. 369,877; published Feb. 25, 1936. Class 6.

Brown & Williamson Tobacco Corporation, Louisville, Ky. Cigars, cigarettes, smoking tobacco, etc. 334,823; May 12; Serial No. 373,068; published Feb. 25, 1936. Class 17.

Buckeye Chemical & Specialty Co. (See Epstein, H. M.)

California Prune & Apricot Growers Association, San Jose, Calif. Strained prunes. 334,850; May 12. Class 46.

Callahan, Bernard E., Chicago, Ill. Books pertaining to football. 334,786; May 12; Serial No. 370,334; published Feb. 25, 1936. Class 38.

Cameo Vineyards Company, Fresno, Calif. Wines. 334,742; May 12; Serial No. 362,941; published Mar. 3, 1936. Class 47.

Canfield, A. J., Co., doing business as Juno Sales, Chicago, Ill. Artificial laxative water. 334,805; May 12; Serial No. 371,140; published Feb. 25, 1936. Class 6.

Capital City Dairy Co., Columbus, Ohio, assignor to The Kroger Grocery & Baking Company, Cincinnati, Ohio. Oleomargarin. 111,086; renewed June 27, 1936.

Carson, Pirie, Scott & Co., assignor to Carson Pirie Scott & Company, Chicago, Ill. Turkish and huck bath towels. 109,390; renewed Apr. 4, 1936.

Casablancas, Fernando, Sabadell, Spain. Machines and apparatus for the preparation and spinning of textile fibres. 334,845; May 12. Class 23.

Chicago Musical Instrument Company, Chicago, Ill. Accordions. 334,631; May 12; Serial No. 373,594; published Mar. 3, 1936. Class 36.

Chicago Quality Liquors, Inc., Chicago, Ill. Whiskey. 334,744; May 12; Serial No. 361,724; published Mar. 3, 1936. Class 49.

Chipman Knitting Mills, Easton, Pa. Hosiery. 109,515; renewed Apr. 11, 1936.

Cochran Company, The, Cleveland, Ohio. Paints, paint enamels, varnishes, etc. 334,658; May 12; Serial No. 353,320; published Mar. 3, 1936. Class 16.

Cohen, S., & Son, Philadelphia, Pa. Toys. 334,636; May 12; Serial No. 373,522; published Mar. 3, 1936. Class 22.

Colonial Cordage Co., assignor to Schermerhorn Bros. Co., Chicago, Ill. Twine and cordage. 110,203; renewed May 9, 1936.

Colonial Cordage Co., assignor to Schermerhorn Bros. Co., Chicago, Ill. Twine and cordage. 111,793–4; renewed Aug. 8, 1936.

Columbia Knitting & Mfg. Co., Milwaukee, Wis. Sweaters, coats, toques, and caps. 112,481; renewed Sept. 12, 1936.

Columbia River Packers Association, assignor to Columbia River Packers Association, Inc., Astoria, Oreg. Canned salmon. 108,987–9; renewed Mar. 14, 1936.

Columbia River Packers Association, assignor to Columbia River Packers Association, Inc., Astoria, Oreg. Canned salmon. 109,520–2; renewed Apr. 11, 1936.

Columbia River Packers Association, assignor to Columbia River Packers Association, Inc., Astoria, Oreg. Canned salmon. 110,395; renewed May 23, 1936.

Conrad, Clare C., Wayne, N. Y. Foot cream. 334,651; May 12; Serial No. 372,549; published Feb. 18, 1936. Class 6.

Consolidated Razor Blade Co. Inc., Jersey City, N. J. Razor blades. 334,653; May 12; Serial No. 372,510; published Mar. 3, 1936. Class 23.

Consolidated Sewing Machine and Supply Co., Inc., New York, N. Y. Sewing machines and parts thereof. 334,729; May 12; Serial No. 372,656; published Mar. 3, 1936. Class 23.

Corning Glass Works, Corning, N. Y. Glass. 111,192; renewed July 4, 1936.

Covell, Julia, doing business as Sun Dew Beverage Company, San Diego, Calif. Beverages used as mixers. 334,634; May 12; Serial No. 373,562; published Mar. 3, 1936. Class 45.

Cross, Olive, Washington, D. C. Crushed wheat breakfast food biscuits. 334,633; May 12; Serial No. 373,563; published Mar. 3, 1936. Class 46.

Crystal Packing Co. (See Johnston, D. W.)

Cushing, Henry, Salina, Utah. Antiseptic and healing ointment. 334,858; May 12. Class 6.

Dainty Maid Slippers, Inc., Brooklyn, N. Y. Bedroom slippers. 334,675; May 12; Serial No. 372,907; published Feb. 18, 1936. Class 39.

Detroit Gray Iron Foundry Company, Detroit, Mich. Castings. 334,638; May 12; Serial No. 373,489; published Feb. 25, 1936. Class 14.

Dickerson, Walter T., Company, The, Columbus, Ohio. Shoes. 334,670; May 12; Serial No. 365,607; published Feb. 18, 1936. Class 39.

Dooley, William J., Washington, D. C. Household chart. 334,783; May 12; Serial No. 370,488; published Feb. 25, 1936. Class 38.

Doran Company, Seattle, Wash. Thermostatic water mixing valve. 334,854; May 12. Class 26.

Doray Lamp Co., Inc., Chicago, Ill. Electric lamps and reflectors therefor. 334,624; May 12; Serial No. 373,080; published Mar. 3, 1936. Class 21.

Dow Fruit Company, Inc., Wenatchee, Wash. Fresh deciduous fruits. 334,750; May 12; Serial No. 372,109; published Mar. 3, 1936. Class 46.

Dowell, Incorporated, Midland, Mich. Acids, acid inhibitors, alkalies, etc. 334,852; May 12. Class 6.

Du Pont, James Q., doing business as Mike-Ro-Fake, Johnstown, Pa. Composition for imparting opacity to photographic and photo-engraving films, plates, papers, etc. 334,755; May 12; Serial No. 372,091; published Feb. 25, 1935. Class 6.

Eagle Pencil Company, assignor to Eagle Pencil Company, New York, N. Y. Lead-pencils. 112,172; renewed Aug. 22, 1936.

Eagle-Picher Lead Company, The, Cincinnati, Ohio. Bricks, cement, blocks, etc. 334,664; May 12; Serial No. 367,712; published Sept. 17, 1935. Class 12.

Eastyarn, Inc., Brooklyn, N. Y. Yarns. 334,813; May 12; Serial No. 373,205; published Feb. 11, 1936. Class 23.

Edmont Manufacturing Company, Coshocton, Ohio. Gloves, aprons, and mittens of rubber or of rubber and fabric. 334,815; May 12; Serial No. 373,166; published Feb. 18, 1936. Class 39.

Electric Storage Battery Company, The, Philadelphia, Pa. Storage batteries. 334,674; May 12; Serial No. 372,909; published Mar. 3, 1936. Class 21.

Electromaster Inc., Detroit, Mich. Electric stoves and heating elements. 334,721; May 12; Serial No. 372,824; published Mar. 3, 1936. Class 21.

Elmquist, Francis, doing business as House of Twigs, Kansas City, Mo. Astringents, creams, and deodorant. 334,806; May 12; Serial No. 371,144; published Feb. 18, 1936. Class 6.

Emgee Coal Company, The. (See Midvale-Goshen Coal Company, The, assignor.)

Enterprise Manufacturing Company, The, Akron, Ohio. Trolling spoons or spinners and artificial bait. 112,402–3; renewed Sept. 12, 1936.

Epstein, H. M., doing business as Buckeye Chemical & Specialty Co., New York, N. Y. Preparation for killing ants. 334,781; May 12; Serial No. 370,604; published Feb. 25, 1936. Class 6.

Eucapine Chemical Company, Atlanta, Ga., to Piedmont Laboratories, Clinton, S. C., successor. Salve. 109,935; renewed Apr. 25, 1936.

Fansteel Metallurgical Corporation. (See Pfanstiehl Company, assignor.)

Federal Knitwear Co., Inc., Newark, N. J. Woolen piece goods. 334,726; May 12; Serial No. 372,720; published Feb. 18, 1936. Class 42.

Field, Geo. A., Minneapolis, Minn. Stereotype casting boxes, mat rolling machines, stereotype saws, etc. 334,685; May 12; Serial No. 352,015; published Mar. 3, 1936. Class 23.

Florida Fruit Canners Inc., Frostproof, Fla. Canned fruits and canned fruit juices for food purposes. 334,659; May 12; Serial No. 372,409; published Mar. 3, 1936. Class 46.

Forester, Max, New York, N. Y. Publication. 334,739; May 12; Serial No. 372,355; published Feb. 25, 1936. Class 38.

Fox River Paper Company, Appleton, Wis. Bond paper. 334,810–11; May 12; Serial Nos. 373,298–9; published Feb. 25, 1936. Class 37.

Franklin Simon & Co., Inc., New York, N. Y. Nightgowns, pajamas and negligees. 334,829; May 12. Class 39.

Friend, A. L., doing business as A. L. F. Company, Washington, D. C. Dressing for cereals, vegetables, meats, etc. 334,646; May 12; Serial No. 372,411; published Mar. 3, 1936. Class 46.

Gano, Edwin E., Boundbrook, N. J., to Edwin E. Gano, Elizabeth, N. J. Bran cookies. 112,773; renewed Sept. 26, 1936.

General Electric Company, Schenectady, N. Y. Card index boxes. 334,737; May 12; Serial No. 372,360; published Feb. 25, 1936. Class 37.

General Electric Company, Schenectady, N. Y. Non-metallic sheet material. 334,738; May 12; Serial No. 372,358; published Feb. 25, 1936. Class 50.

Globe Roofing Products Co. Inc., Chicago, Ill. Roofing and building papers. 334,687; May 12; Serial No. 371,769; published Feb. 25, 1936. Class 12.

Globe Roofing Products Co. Inc., Chicago, Ill. Roofing and building papers. 334,775; May 12; Serial No. 371,765; published Feb. 25, 1936. Class 12.

Globe Roofing Products Co. Inc., Chicago, Ill. Roofing and building papers. 334,776; May 12; Serial No. 371,767; published Feb. 25, 1936. Class 12.

Glyco Products Co. Inc., New York, N. Y. Chemical preparations for emulsifying and thickening agents for use in the textile and related industries. 334,789; May 12; Serial No. 370,097; published Feb. 25, 1936. Class 6.

Goldenbergs, to The Goldenberg Co., Washington, D. C., successor. Hats and caps. 111,816; renewed Aug. 8, 1936.

Goldworm Sportwear Co., Inc., New York, N. Y. Frocks, dresses, suits, etc. 334,827; May 12. Class 39.

Goodall Worsted Co., Sanford, Maine. Piece goods and pile fabrics. 334,768; May 12; Serial No. 371,575; published Feb. 18, 1936. Class 42.

Grandin, D. H., Milling Co., Jamestown, N. Y. Stock food. 109,983; renewed Apr. 25, 1936.

Graner, Vincent M., Westbury, Long Island, N. Y. Cough drops. 334,716; May 12. Serial No. 372,011; published Feb. 25, 1936. Class 6.

Graves, C. H., & Sons Co., Boston, Mass. Whiskey. 334,743; May 12; Serial No. 362,084; published Mar. 3, 1936. Class 49.

Greenbros, Inc., Cincinnati, Ohio. Brandy, cognac, gin, etc. 334,794; May 12; Serial No. 373,826; published Mar. 3, 1936. Class 49.

Greylock Corporation, New York, N. Y. Weekly periodical. 334,676; May 12; Serial No. 372,874; published Feb. 25, 1936. Class 38.

Grossman, L., & Son, New York, N. Y. Misses and juniors' suits and coats. 112,422; renewed Sept. 5, 1936.

Grubman, Jacob H., New York, N. Y. Bread, butter cakes, biscuits, etc. 334,693; May 12; Serial No. 364,420; published Aug. 20, 1935. Class 46.

Hagler, Sam, doing business as Kool-Rub Co., New York, N. Y. Hair tonic, hair oil, quinine preparation for hair, etc. 334,847; May 12. Class 6.

Hamlins Wizard Oil Company, Chicago, Ill. Shaving cream. 334,714; May 12; Serial No. 357,859; published July 16, 1935. Class 4.

Hansen, A. L., Mfg. Co., Chicago, Ill. Staple driving machines. 334,754; May 12; Serial No. 372,097; published Mar. 3, 1936. Class 23.

Havre, J. B., & Co., San Francisco, Calif. Rum. 334,644; May 12; Serial No. 373,380; published Mar. 3, 1936. Class 49.

Heliogen Limited, assignor to Piero M. Salerni, Westminster, England. Medicinal and hygienic toilet preparations. 334,740; May 12; Serial No. 363,907; published Feb. 18, 1936. Class 6.

Heller, B., & Co., assignor to B. Heller & Company, Chicago, Ill. Rat or mice poison, bedbug-destroyer, and roach-destroyer. 111,727; renewed Aug. 1, 1936.

Heller, B., & Company, Chicago, Ill. Laundry blue. 334,691; May 12; Serial No. 371,814; published Feb. 18, 1936. Class 6.

Hemrich Brewing Co., Seattle, Wash. Beer. 334,660; May 12; Serial No. 368,447; published Mar. 3, 1936. Class 48.

Herz-Oakes Candy Company. (See Oakes Candy Co.)

Hibbard, Spencer, Bartlett & Company, Chicago, Ill. Carpet sweepers, lawn mowers, grass hooks, etc. 334,719; May 12; Serial No. 372,837; published Mar. 3, 1936. Class 23.

Hibbard, Spencer, Bartlett & Company, Chicago, Ill. Tires and tubes. 334,720; May 12; Serial No. 372,835; published Mar. 3, 1936. Class 35.

Hillman Packing Company, Salem, Oreg. Canned green beans. 334,630; May 12; Serial No. 373,606; published Mar. 3, 1936. Class 46.

Horan Milling Company, Junction City, Kans. Wheat flour. 334,824–5; May 12; Serial Nos. 373,060–1; published Mar. 3, 1936. Class 46.

Holmes-Bohr Company, Lewiston, Maine. Boots and shoes. 334,817; May 12; Serial No. 373,185; published Feb. 18, 1936. Class 39.

Horn & Hardart Baking Company, Philadelphia, Pa. Foods. 111,233; renewed July 4, 1936.

House of Twigs. (See Elmquist, Francis.)

Hub Quilt Mfg. Company. (See Pristaw, Sophie.)

Hy-Art Button Works. (See Sher, Louis.)

International Fruit Corporation, Tampa, Fla. Citrus fruits and fresh vegetables. 334,770; May 12; Serial No. 371,632; published Mar. 3, 1936. Class 46.

International Latex Corporation, Rochester, N. Y. Rubber bathing caps. 334,668; May 12; Serial No. 365,734; published Feb. 18, 1936. Class 39.

International Shoe Co., St. Louis, Mo. Boots and shoes. 334,718; May 12; Serial No. 372,839; published Feb. 18, 1936. Class 39.

Jacobs, Wilbert B., assignor to Homer R. Jacobs, Emleuton, Pa. Lubricating-oils. 112,515; renewed Sept. 12, 1936.

Johns-Manville Corporation, New York, N. Y. Gaskets. 334,795; May 12; Serial No. 373,829; published Mar. 3, 1936. Class 35.

Johnson, George B., doing business as American Farm Products, West Chester, Pa. Fresh fruits and vegetables, dressed chickens, etc. 334,767; May 12; Serial No. 371,543; published Mar. 3, 1936. Class 46.

Johnston, D. W., doing business as Crystal Packing Co., Los Angeles, Calif. Fresh vegetables. 334,826; May 12; Serial No. 373,044; published Mar. 3, 1936. Class 46.

Josselson Bros., Inc., Ashland, Ky. Whiskey, gin, rum, etc. 334,708; May 12; Serial No. 369,924; published Mar. 3, 1936. Class 49.

Juergens & Andersen Company, Chicago, Ill. Necklaces. 112,139; renewed Aug. 22, 1936.

Juno Sales. (See Canfield, A. J., Co.)

Kalak Water Company of New York, Inc., Brooklyn, N. Y., to Kalak Water Co. of New York, Inc., New York, N. Y. Artificially-prepared alkaline water. 110,132; renewed May 2, 1936.

King Cotton Mills Corporation, Richmond, Va. Knitting and clocking yarns. 334,769; May 12; Serial No. 371,614; published Feb. 25, 1936. Class 43.

King, F. W., Optical Company, The, Cleveland, Ohio. Eyeglasses, spectacles, and lenses for the same. 109,748; renewed Apr. 18, 1936.

King Innovations, Inc., New York, N. Y. Leather substitutes. 334,758; May 12; Serial No. 372,281; published Feb. 25, 1936. Class 50.

Kool-Rub Co. (See Hagler, Sam.)

Kress, F. J., Box Company, Pittsburgh, Pa. Corrugated fibre board box liners and boxes made therefrom. 334,856; May 12. Class 2.

Kroger Grocery & Baking Company, The. (See Capital City Dairy Co., assignor.)

Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Coffee. 110,892; renewed June 13, 1936.

Lace Net Importing Co. Inc., New York, N. Y. Fabric of elastic yarn. 334,753; May 12; Serial No. 372,630; published Feb. 18, 1936. Class 42.

Laird, Schober Co., Inc., Philadelphia, Pa. Shoes. 334,722; May 12; Serial No. 372,774; published Feb. 18, 1936. Class 39.

Lakeland Groves Company, Lakeland, Fla. Fresh citrus fruit. 334,645; May 12; Serial No. 372,422; published Mar. 3, 1936. Class 46.

Lander Co., Inc., The, New York, N. Y. Eyebrow and eyelash grower, hair salves, hair elixirs, etc. 334,650; May 12; Serial No. 372,370; published Feb. 25, 1936. Class 6.

Laucks, I. F., Inc., Seattle, Wash. Paint color concentrates and fresco colors. 334,741; May 12; Serial No. 363,433; published Mar. 3, 1936. Class 16.

Leathercraft Corporation, The, New York, N. Y. Artificial leather. 334,667; May 12; Serial No. 366,862; published Feb. 25, 1936. Class 50.

Lee, H. D., Mercantile Co., The, Salina, Kans., to The H. D. Lee Mercantile Company, Kansas City, Mo. Foods. 110,925; renewed June 20, 1936.

Lees, James, & Sons Company, Bridgeport, Pa. Yarns. 334,623; May 12; Serial No. 373,694; published Feb. 25, 1936. Class 43.

Leroux and Company, Inc., Philadelphia, Pa. Blackberry, sloe gin, peach, etc., liqueurs. 334,629; May 12; Serial No. 373,642; published Mar. 3, 1936. Class 49.

Lewis Bolt & Nut Company, Minneapolis, Minn. Journal and bearing protectors. 334,705; May 12; Serial No. 369,852; published Mar. 3, 1936. Class 23.

Littman, Philip T., Brooklyn, N. Y. Medicines. 334,857; May 12. Class 6.

Los Angeles Soap Co., Los Angeles, Calif. Soap. 110,319; renewed May 16, 1936.

Lovett, Dr., Medicine Co. (See Balaguer, Enrique R.)

Lube Jack Co., Santa Monica, Calif. Vehicle vibrating mechanisms for use in lubricating vehicles. 334,803; May 12; Serial No. 371,065; published Mar. 3, 1936. Class 23.

Luebert, August G., Philadelphia, Pa., to August G. Luebert, Coatesville, Pa. Rheumatic remedies, catarrhal jelly, and cough-tablets. 110,403; renewed May 23, 1936.

M. & N. Cigar Manufacturers, Inc., Cleveland, Ohio. Cigars. 334,652; May 12; Serial No. 372,528; published Feb. 25, 1936. Class 17.

Maine Baking Company, Auburn, Maine. Bread. 334,666; May 12; Serial No. 366,866; published Mar. 3, 1936. Class 46.

Maple Grove Candles, Inc., St. Johnsbury, Vt., now, by change of name, Maple Grove, Incorporated. Maple sugar candy. 334,846; May 12. Class 46.

Marceau, Marcelin, Societe a Responsabilite Limitee, Bordeaux, France. Wines. 334,841; May 12. Class 47.
Mark Cross Company, New York, N. Y. Perfumes and toilet waters. 334,725; May 12; Serial No. 372,730; published Feb. 18, 1936. Class 6.
Master Venetian Blind Hardware Corp., New York, N. Y. Venetian blinds, Venetian blind headbars, casings, and slats therefor. 334,649; May 12; Serial No. 372,375; published Mar. 3, 1936. Class 32.
Matchette Sales Company, Los Angeles, Calif. Table salt. 334,712; May 12; Serial No. 359,958; published Mar. 3, 1936. Class 46.
McBride, Wm. W., doing business as Wm. W. McBride Co., Seattle, Wash. Canned salmon. 334,642–3; May 12; Serial Nos. 373,386–7; published Mar. 3, 1936. Class 46.
Melba Manufacturing Company, Chicago, Ill., assignor, by mesne assignments, to Vadsco Sales Corporation, Long Island City, N. Y. Pharmaceutical preparations for toilet purposes. 112,015; renewed Aug. 15, 1936.
Merchants Chemical Company, Inc., New York, N. Y. Laundry blue and starch, ink remover, etc. 334,661; May 12; Serial No. 368,264; published Feb. 18, 1936. Class 6.
Metropolitan Paper and Bag Corporation, New York, N. Y. Tissue paper for wrapping. 334,728; May 12; Serial No. 372,678; published Feb. 25, 1936. Class 37.
Meyer, N. S., Inc., New York, N. Y. Insignia, buttons, and ornaments made of a special metal. 334,751–2; May 12; Serial Nos. 372,139–40; published Feb. 25, 1936. Class 50.
Meyers, Louis, & Son, Inc., New York, N. Y. Gloves. 334,709; May 12; Serial No. 371,974; published Feb. 18, 1936. Class 39.
Miami Products and Chemical Co., The, Dayton, Ohio. Liquid preparation for killing insects. 334,830; May 12. Class 6.
Middleby, Joseph, Jr., Inc., Boston, Mass. Berry and fruit preserves and jelly. 107,928; renewed Jan. 4, 1936.
Midvale-Goshen Coal Company, The, assignor to The Emgee Coal Company, Cleveland, Ohio. Bituminous coal. 109,874; renewed Apr. 18, 1936.
Mike-Ro-Pake. (See du Pont, James Q.)
Miller Company, The, Meriden, Conn. Globes and reflectors. 334,672; May 12; Serial No. 372,918; published Mar. 3, 1936. Class 34.
Miner, Read & Tullock, assignor to The Miner, Read and Tullock, Inc., New Haven, Conn. Coffee. 110,831; renewed June 13, 1936.
Minneapolis Star Company, Minneapolis, Minn. Section of a newspaper publication. 334,641; May 12; Serial No. 373,388; published Feb. 25, 1936. Class 38.
Missouri Portland Cement Company, St. Louis, Mo. Portland cement. 334,771; May 12; Serial No. 371,648; published Feb. 25, 1936. Class 12.
Modern Merchandising Bureau, Inc., New York, N. Y. Scarfs, shoes, underwear, etc. 334,706; May 12; Serial No. 369,872; published Feb. 18, 1936. Class 39.
Mohawk Liqueur Corporation, Detroit, Mich. Alcoholic cordials. 334,798–9; May 12; Serial Nos. 373,884–5; published Mar. 3, 1936. Class 49.
Moore Corporation, The, Joliet, Ill. Gas stoves. 334,809; May 12; Serial No. 373,313; published Mar. 3, 1936. Class 34.
Morrell, John, & Co., assignor to John Morrell & Co., Ottumwa, Iowa. Ham. 109,325; renewed Mar. 28, 1936.
Morrell, John, & Co., Ottumwa, Iowa, Sioux Falls, S. Dak., Mobile, Ala., and Memphis, Tenn., assignor to John Morrell & Co., Ottumwa, Iowa. Cheese. 108,438; renewed Feb. 8, 1936.
Multigraph Company. (See American Multigraph Sales Company, The, assignor.)
Munson Bag Company, The, Cleveland, Ohio. Paper and cellulose sacks and bags. 334,682; May 12; Serial No. 374,154; published Mar. 3, 1936. Class 2.
Murray Optical Company, Detroit, Mich. Spectacle and eyeglass lenses. 334,704; May 12; Serial No. 369,711; published Nov. 26, 1935. Class 26.
National Production Company, Detroit, Mich. Child's jumper chair. 334,690; May 12; Serial No. 329,960; published Mar. 3, 1936. Class 32.
Nature's Mineral Food Co., Inc., Indianapolis, Ind. Medicinal preparation. 334,836; May 12. Class 6.
Neenah Paper Company, Neenah, Wis. Bond and ledger paper. 112,543–4; renewed Sept. 12, 1936.
Neenah Paper Company, Neenah, Wis. Bond and ledger paper. 112,543[4; renewed Sept. 12, 1936.
Neva-Wet Corporation of America, Inc., New York, N. Y. Processing fluids. 334,837; May 12. Class 6.
Nichols, Drusus H., doing business as Truth Associates, Chicago, Ill. Skin creams, skin lotions, and skin powders. 334,787; May 12; Serial No. 370,194; published Feb. 25, 1936. Class 6.
Nowlin, A. S., & Company, Lynchburg, Va. Coal. 109,327; renewed Mar. 28, 1936.
Nussbaum Liquor Store, Inc., New York, N. Y. Whiskey, gin, rum, etc. 334,793; May 12; Serial No. 373,702; published Mar. 3, 1936. Class 49.
Nutro Dog Food Company. (See Serols, Herben.)
Nu-Way Shoe Company, New York, N. Y. Shoes. 334,695; May 12; Serial No. 371,884; published Feb. 18, 1936. Class 39.
Nu West Fur Dyeing Corp., Brooklyn, N. Y. Fur skins and parts thereof. 334,669; May 12; Serial No. 365,647; published Feb. 25, 1936. Class 1.
Oakes Candy Co., by change of name to Herz-Oakes Candy Company, St. Louis, Mo. Candy, ice-cream and ices, bread, etc. 109,578; renewed Apr. 11, 1936.
Ohlandt, D. W., & Sons, Charleston, S. C. Coffee. 334,717; May 12; Serial No. 372,849; published Mar. 3, 1936. Class 46.
O'Leary, Lydia, Inc., doing business as Lydia O'Leary, New York, N. Y. Cosmetic. 334,662; May 12; Serial No. 368,078; published Feb. 18, 1936. Class 6.
Olson Rug Company, Chicago, Ill. Saponaceous powder for cleaning rugs, etc. 112,547; renewed Sept. 12, 1936.
Onyx Oil and Chemical Co., Jersey City, N. J. Sulfonated and sulfated oils, fats, waxes, and aliphatic alcohols for use on textiles, etc. 334,773; May 12; Serial No. 371,737; published Feb. 18, 1936. Class 6.
Oppenheim, Collins & Co. Inc., Wilmington, Del.; New York, Brooklyn, and Buffalo, N. Y.; and Philadelphia, Pa. Shoes. 334,766; May 12; Serial No. 371,498; published Feb. 18, 1936. Class 34.
Oral Seal Chemical Company, Dallas, Tex. Preparation for the treatment of pyorrhea, liquid dentifrice, and mouth wash. 334,777; May 12; Serial No. 370,921; published Feb. 25, 1936. Class 6.
Osann Corporation, The, Elizabethport, N. J., and New York, N. Y. Loop forming implements. 334,665; May 12; Serial No. 367,678; published Mar. 3, 1936. Class 23.
Panagakos, Constantine P., Hopewell, Va. Skin salves and a preparation for dandruff and the scalp. 334,760; May 12; Serial No. 368,483; published Feb. 18, 1936. Class 6.
Pant-O-Sizer, Inc., Baltimore, Md. Trouser inseam length indicator. 334,694; May 12; Serial No. 371,822; published Mar. 3, 1936. Class 26.
Parfums Charbert, Inc., New York, N. Y. Perfumes, toilet waters, sachets, etc. 334,779; May 12; Serial No. 370,668; published Feb. 25, 1936. Class 6.
Parker Pen Company, The, Janesville, Wis. Fountain pens, mechanical pencils, and desk sets. 334,816; May 12; Serial No. 373,157; published Feb. 25, 1936. Class 37.
Parva Products Company, Chicago, Ill. Buckles for overalls and work clothes. 334,814; May 12; Serial No. 373,185; published Feb. 18, 1936. Class 40.
Pennsylvania Alcohol Corporation, Philadelphia, Pa. Rum. 334,748; May 12; Serial No. 372,208; published Mar. 3, 1936. Class 49.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Alkaline detergent. 334,727; May 12; Serial No. 372,685; published Feb. 25, 1936. Class 4.
Peroxide Chemical Co., The, doing business as Vi-Jon Laboratories, St. Louis, Mo. Nail polish and liquid nail polish remover. 334,780; May 12; Serial No. 370,627; published Feb. 28, 1936. Class 6.
Pfaustiehl Company, assignor to Fansteel Metallurgical Corporation, North Chicago, Ill. Electric contacts. 109,949; renewed Apr. 25, 1936.
Philadelphia Quartz Company, Philadelphia, Pa. Sodium silicate. 112,555; renewed Sept. 12, 1936.
Phoenix Preparations. (See Wynn, Clarence P.)
Piedmont Laboratories. (See Eucapine Chemical Company.)
Pinaud Incorporated, New York, N. Y. Toilet waters and toilet powders. 334,792; May 12; Serial No. 368,625; published Feb. 25, 1936. Class 6.
Pioneer Salt Company, Philadelphia, Pa. Salt. 334,832; May 12. Class 6.
Plymouth Wholesale Dry Goods Corporation, New York, N. Y. Shirts, pajamas, suits, etc. 334,778; May 12; Serial No. 370,813; published Feb. 18, 1936. Class 39.
Potthast Bros. Inc., Baltimore, Md. Furniture in style periods, odd or occasional pieces, and upholstered furniture. 334,663; May 12; Serial No. 367,847; published Mar. 3, 1936. Class 32.
Pratt Food Company, Philadelphia, Pa. Ointment. 334,833; May 12. Class 6.
Pristaw, Sophie, doing business as Hub Quilt Mfg. Company, Boston, Mass. Bed comforters and spreads. 333,774; May 12; Serial No. 371,739; published Feb. 18, 1936. Class 42.
Pro-Phy-Lac-Tic Brush Company, The, Northampton, Mass. Tooth brushes. 334,844; May 12. Class 29.
Purcell Seed Co., Inc., Evansville, Ind. Small black hay beans. 334,859; May 12. Class 1.
Purepac Corporation, New York, N. Y. Mouth wash. 334,724; May 12; Serial No. 372,747; published Feb. 18, 1936. Class 6.
Ratcliff, Raymond R., doing business as Ratcliff Products & Sales Co., Columbus, Ohio. Shoes and parts thereof. 334,696; May 12; Serial No. 371,887; published Feb. 18, 1936. Class 39.
Regent Knitting Mills, Limited, The, Montreal, Quebec, Canada. Woolen and worsted yarns. 334,723; May 12; Serial No. 372,751; published Feb. 18, 1936. Class 43.
Republic Pictures Corporation, New York, N. Y. Motion pictures and motion picture films. 334,703; May 12; Serial No. 369,549; published Mar. 3, 1936. Class 26.

Roach, W. R., & Co., Hart, to W. R. Roach & Company, Grand Rapids, Mich. Canned fish. 109,370; renewed Apr. 4, 1936.
Rogers, Harry L., New York, N. Y. Pipes, and cigar and cigarette holders. 334,749; May 12; Serial No. 372,153; published Feb. 25, 1936. Class 8.
Roth, O., & Co., to Otto Roth & Co. Inc., New York, N. Y., successor. Cheese. 112,142; renewed Aug. 22, 1936.
Ramirez, Victor M., doing business as V. M. Ramirez y Cia, Mayaguez, P. R., and New York, N. Y. Rum. 334,812; May 12; Serial No. 373,227; published Mar. 3, 1936. Class 49.
Rich, Foglite, Inc., Bellaire, Ohio. Electrical lamps for the projection of light under adverse conditions. 334,678; May 12; Serial No. 372,856; published Mar. 3, 1936. Class 21.
Ross & Oberleder Silk Corp., New York, N. Y. Rayon textile fabrics. 334,782; May 12; Serial No. 370,489; published Feb. 18, 1936. Class 42.
Sachs Quality Furniture Inc., New York, N. Y. Rugs. 334,655; May 12; Serial No. 372,488; published Feb. 18, 1936. Class 42.
Safety Equipment Service Company, The. (See Strong Kennard & Nutt Company, The, assignor.)
Salerni, Piero M. (See Hellogen Limited.)
San-Nap-Pak Mfg. Co. Inc., New York, N. Y. Cleansing tissue. 334,647; May 12; Serial No. 372,434; published Feb. 25, 1936. Class 37.
Schermerhorn Bros. Co. (See Colonial Cordage Co., assignor.)
Schieren, Chas. A., Company, New York, N. Y. Belting and packings. 112,564; renewed Sept. 12, 1936.
Schloemer, Le Roy F., West Bend, Wis. Butter. 334,715; May 12; Serial No. 357,580; published Mar. 3, 1936. Class 46.
Schmidt, Herbert C., Asbury Park, N. J. One piece spiral type fasteners for use on wearing apparel. 334,747; May 12; Serial No. 372,215; published Feb. 18, 1936. Class 40.
Scull, William S., Company, Camden, N. J. Blended coffee. 112,565; renewed Sept. 12, 1936.
Sears, Roebuck and Co., Chicago, Ill. Automatic kerosene and gas refrigerators. 334,802; May 12; Serial No. 374,062; published Mar. 3, 1936. Class 31.
Selby Shoe Co., The, Portsmouth, Ohio. Shoes. 334,710; May 12; Serial No. 371,978; published Feb. 18, 1936. Class 39.
Seplowitz Bros., doing business as Britton Company of America, Brooklyn, N. Y. Paints, varnishes, and paint enamels. 334,689; May 12; Serial No. 371,786; published Mar. 3, 1936. Class 16.
Serols, Herben, doing business as Nutro Dog Food Company, Santa Monica, Calif. Dog, cat, and fox food. 334,656; May 12; Serial No. 356,888; published Dec. 18, 1934. Class 46.
Shaw, Alex D., & Co., Inc., New York, N. Y. Wines. 334,839; May 12. Class 47.
Sher, Louis, doing business as Hy-Art Button Works, New York, N. Y. Buttons and buckles used on wearing apparel. 334,648; May 12; Serial No. 372,378; published Feb. 18, 1936. Class 40.
Sherwood Petroleum Company, Inc., Brooklyn, N. Y. Irradiated petrolatums. 334,756; May 12; Serial No. 371,044; published Feb. 25, 1936. Class 6.
Slomon, Ira I., Long Island City, N. Y. Adhesive products. 334,697; May 12; Serial No. 371,897; published Feb. 25, 1936. Class 5.
Smith, Kline & French Laboratories, Philadelphia, Pa. Nerve tonic. 334,791; May 12; Serial No. 368,902; published Nov. 19, 1935. Class 6.
Socony Paint Products Company, New York, N. Y. Paints, paint enamels, varnishes, etc. 334,627; May 12; Serial No. 373,656; published Mar. 3, 1936. Class 16.
Southern Biscuit Company, Richmond, Va. Crackers. 334,853; May 12. Class 46.
Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Aircraft direction and altitude indicating instruments. 334,848; May 12. Class 26.
Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Automatic and semi-automatic stabilizing and steering mechanism for aircraft. 334,849; May 12. Class 23.
Stainback, Theodore E., doing business as The Stainback Company, Henderson, N. C. Powder for cleaning and polishing dentures. 334,632; May 12; Serial No. 373,577; published Feb. 25, 1936. Class 4.
Standard Brands Incorporated, New York, N. Y. Canned vegetables. 334,835; May 12. Class 46.
Standard Trading Mills, Inc., New York, N. Y. Bedspreads, draperies, sheets, etc. 334,702; May 12; Serial No. 360,464; published Feb. 18, 1936. Class 42.
Stanley Works, The, New Britain, Conn. Box strapping. 334,820–2; May 12; Serial Nos. 373,084–6; published Mar. 3, 1936. Class 13.
Stearns, Frederick, & Co., Detroit, Mich. Medicinal tonics and treatment of diseases of the blood, etc. 112,325; renewed Aug. 29, 1936.
Stefanczyk, Mikolaj, Hamtramck, Mich. Heating radiators. 334,654; May 12; Serial No. 372,492; published Mar. 3, 1936. Class 34.
Stein, A., & Company, Chicago, Ill. Dress shields. 334,732; May 12; Serial No. 372,642; published Feb. 18, 1936. Class 40.
Steinberger Bros. Inc., New York, N. Y. Yarns. 334,640; May 12; Serial No. 373,432; published Feb. 25, 1936. Class 43.
Sterlick Company Inc., The, Brooklyn, N. Y. Paper napkins. 334,637; May 12; Serial No. 373,507; published Feb. 25, 1936. Class 37.
Sterling, Joseph S., doing business as Alaska Silver Fox Farms and Sterling Eastern Mink Farms, Lake Placid N. Y. Fur bearing skins. 334,838; May 12. Class 1.
Stern & Saalberg Co., The, by change of name and mergers to The Sweets Company of America, Inc., New York, N. Y. Candy. 112,327; renewed Aug. 29, 1936.
Stewart-Warner Corporation, Chicago, Ill. Portable combination steam flusher and washer for servicing of automotive vehicles. 334,686; May 12; Serial No. 351,780; published Mar. 3, 1936. Class 23.
Stringary, Adam, New York, N. Y. Salve. 334,842; May 12. Class 6.
Strong Kennard & Nutt Company, The, assignor to The Safety Equipment Service Company, Cleveland, Ohio. Eyeglasses and goggles. 109,331; renewed Mar. 28, 1936.
Stünzi Sons Silk Co. Inc., New York, N. Y. Acetate and rayon fabric. 334,699; May 12; Serial No. 371,948; published Feb. 25, 1936. Class 42.
Sun Dew Beverage Company. (See Covell, Julia.)
Sunset Line and Twine Co., San Francisco, Calif. Fishing lines. 334,683; May 12; Serial No. 370,098; published Mar. 3, 1936. Class 22.
Super Yarn Manufacturing Corp., New York, N. Y. Thread and yarn. 334,759; May 12; Serial No. 372,258; published Feb. 18, 1936. Class 43.
Sussberg & Feinberg, Inc., New York, N. Y. Women's underwear. 334,731; May 12; Serial No. 372,644; published Feb. 18, 1936. Class 39.
Sweets Company of America, Inc., The. (See Stern & Saalberg Co.)
Swider, Stanley, St. Louis, Mo. Medicinal compound recommended for use in treating common colds, etc. 334,753; May 12; Serial No. 372,119; published Feb. 25, 1936. Class 6.
Swing-Spout Measure Company, Los Angeles, Calif. Can openers. 334,843; May 12. Class 23.
Tampa Importers, Inc., New York, assignor to Harold W. Bonwit, Scarsdale, N. Y. Cigars. 334,671; May 12; Serial No. 372,444; published Feb. 25, 1936. Class 17.
Tea Garden Products Co., San Francisco, Calif. Grape juice. 334,801; May 12; Serial No. 374,025; published Mar. 3, 1936. Class 45.
Tech Manufacturing Company. (See Bolund, C. E.)
Tennessee Eastman Corporation, Kingsport, Tenn. Vermicide. 334,688; May 12; Serial No. 345,522; published Feb. 25, 1936. Class 6.
Terra Bella Citrus Assn., Terra Bella, Calif. Fresh citrus fruits. 334,834; May 12. Class 46.
Theise, E. A., doing business as Theise Manufacturing Company, Sublette, Kans. Preparation for use as an engizer and carbon solvent to be added to gasoline, etc. 334,700; May 12; Serial No. 371,953; published Feb. 25, 1936. Class 6.
Thompkins & Eckart, San Francisco, Calif. Canned fish, canned vegetables, olives, etc. 334,788; May 12; Serial No. 370,155; published Feb. 25, 1936. Class 46.
Thrift Packing Company, Dallas, Tex. Canned fruits, canned vegetables, canned soup, etc. 334,735; May 12; Serial No. 372,575; published Mar. 3, 1936. Class 46.
Tree-gold Cooperative Growers of Florida, Orlando, Fla. Citrus fruits. 334,804; May 12; Serial 371,118; published Mar. 3, 1936. Class 46.
Tribune Company, The, Chicago, Ill. Newspaper. 110,193; renewed May 9, 1936.
Troy Chemical Co., Binghamton, N. Y. Liniment. 112,831; renewed Sept. 26, 1936.
Truth Associates. (See Nichols, Drusus H.)
Tulitikku Oy., Helsinki, Suomi (Finland). Safety matches. 334,762; May 12; Serial No. 371,370; published Mar. 3, 1936. Class 9.
20th Century Drug Co., Cleveland, Ohio. Liniment for the skin and accompanied with tablets which are to be taken internally for aches, pains, etc. 334,692; May 12; Serial No. 364,488; published Feb. 25, 1936. Class 6.
Union Pants and Overall Manufacturing Company, Bordentown, N. J. Men's trousers. 334,828; May 12. Class 39.
United States Rubber Products, Inc., New York, N. Y. Tires. 334,796–7; May 12; Serial Nos. 373,848–9; published Mar. 3, 1936. Class 5.
Universal Film Manufacturing Company, by change of name to Universal Pictures Corporation, New York, N. Y. Series of different motion-picture photoplays. 112,579; renewed Sept. 12, 1936.
Universal Film Manufacturing Company, by change of name to Universal Pictures Corporation, New York, N. Y. Series of different motion-picture photoplays. 112,732; renewed Sept. 19, 1936.
Upson Company, The, Lockport, N. Y. Fiber-board or artificial lumber for building and allied purposes. 110,704; renewed June 6, 1936.
Vacuum Bread Cooling Corporation, New York, N. Y. Comprehensive apparatus for cooling and conditioning bakery products. 334,757; May 12; Serial No. 370,974; published Mar. 3, 1936. Class 23.

Vadsco Sales Corporation. (See Melba Manufacturing Company, assignor.)
Vadsco Sales Corporation. (See Vivaudou, V., Inc., assignor.)
Vanderbilt, R. T., Company, Inc., New York, N. Y. Processed calcium carbonate. 334,730; May 12; Serial No. 372,646; published Feb. 18, 1936. Class 6.
Varuna Spring Co., The, assignor to Varuna Spring Water Co., Inc., Stamford, Conn. Ginger-ale, sarsaparilla, and club-soda. 111,775; renewed Aug. 1, 1936.
Vi-Jon Laboratories. (See Peroxide Chemical Co., The.)
Vivaudou, V., Inc., New York, N. Y., assignor to Vadsco Sales Corporation, Long Island City, N. Y. Perfumes, toilet waters, face-powders, etc. 112,734–5; renewed Sept. 19, 1936.
Warwick Chemical Company, West Warwick, R. I. Organic chemical salt for use in the throwing of silk. 334,734; May 12; Serial No. 372,616; published Feb. 18, 1936; Class 6.
West Virginia Pulp & Paper Company, New York, N. Y. Wood-pulp and paper-pulp. 334,713; May 12; Serial No. 359,838; published Feb. 25, 1936. Class 1.
Wheat-Hearts Co., The Asheville, to Biltmore Wheat-Hearts Corporation, Biltmore Station, Asheville, N. C., Successor. Wheat. 112,456; renewed Sept. 5, 1936.
White, Maurice J., doing business as American Club Beverages, Rochester, N. Y. Beverages for use as mixers. 334,635; May 12; Serial 373,547; Published Mar. 3, 1936. Class 45.
White Motor Company, The, Cleveland, Ohio. Passenger automobiles, busses, and trucks. 334,851; May 12. Class 19.
Willys-Overland Co., The, Toledo, Ohio. Automobiles, automobile trucks, trailers, and parts thereof. 109,244; renewed Mar. 28, 1936.
Windsor-Lloyd Products, Inc., Wilmington, Del. Hydraulic shock absorber fluid and hydraulic brake fluid. 334,657; May 12; Serial No. 354,715; published Feb. 25, 1936. Class 6.
Windsor-Lloyd Products, Inc., Wilmington, Del. Hydraulic shock absorber fluid and hydraulic brake fluid. 334,831; May 12. Class 6.
Wolf, Jacques, and Co., Passaic, N. J. Yellowish oily preparation for use in treatment of all kinds of textile fibers in sizing, dyeing, etc. 334,772; May 12; Serial No. 371,660; published Feb. 18, 1936. Class 6.
Wood & Hyde Company, Gloversville, N. Y. Glove leather. 334,639; May 12; Serial No. 373,437; published Feb. 25, 1936. Class 1.
Wood, T. W., & Sons, Richmond, Va. Grass seed. 334,763; May 12; Serial No. 371,376; published Feb. 25, 1936. Class 1.
Woolman and Robles, New York, N. Y. Container of different colors having a brush and material for application to shoes. 334,761; May 12; Serial No. 371,245; published Feb. 25, 1936. Class 50.
Worley, Orville E., Stockville, Nebr. Playing cards. 334,628; May 12; Serial No. 373,651; published Mar. 3, 1936. Class 22.
Wottring Instrument Co., The, Lorain, Ohio. Devices for orthoptic testing and training purposes. 334,800; May 12; Serial No. 373,900; published Mar. 3, 1936. Class 26.
Wynne, Clarence P., doing business as Phoenix Preparations, Scranton, Pa. Antiseptic jelly and ointment to relieve itching skin, sunburn, etc. 334,784; May 12; Serial No. 370,439; published Feb. 18, 1936. Class 6.
Wynne, Clarence P., doing business as Phoenix Preparations, Scranton, Pa. Ointment and jelly for constipation. No. 334,785; May 12; Strial No. 370,438; published Feb. 18, 1936. Class 6.

LIST OF REGISTRANTS OF LABELS

Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Spaghetti. For Spaghetti. 47,474; May 12.
Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Macaroni. For Macaroni. 47,475; May 12.
Elkhart Lake Canning Company, Elkhart Lake, Wis. White Rooster. For Canned Peas. 47,476; May 12.
Medical Soap Company, New Orleans, La. Mesco Surgucul. For Germicidal Soap. 47,477; May 12.
Millinery Stabilization Commission, Inc., New York, N. Y. Consumers' Protection Label. For Millinery. 47,478; May 12.
Sims, Inc., St. Paul, Minn. Say Sims. For Breakfast Cereal. 47,479; May 12.
Spaulding Bakeries, Incorporated, Binghamton, N. Y. Vitamin-D. For Bread. 47,480; May 12.
Victor Brewing Co., The, Jeannette, Pa. Old Sleigh Half and Half. For Half-and-Half. 47,481; May 12.

LIST OF REGISTRANTS OF PRINTS

Bigelow-Sanford Carpet Co. Inc., New York, N. Y. Texture Takes the Floor. For Carpets and Rugs. 15,687; May 12.
Bigelow-Sanford Carpet Co. Inc., New York, N. Y. The Whole Scene Changes. For Carpets and Rugs. 15,688; May 12.
Bigelow-Sanford Carpet Co. Inc., New York, N. Y. Carpet Too, of Lively Wool. For Carpets. 15,689; May 12.
Bigelow-Sanford Carpet Co. Inc., New York, N. Y. The Room Recipe Idea at Work for You! For Carpets and Rugs. 15,690; May 12.
General Mills, Inc., Minneapolis, Minn. Here's the Kind of Strawberry Shortcake Your Husband Will Rave About. For Biscuit Flour. 15,691; May 12.
Premier-Pabst Corporation, Peoria Heights, Ill. Where the Best in Quality Is Demanded . . . Pabst Beer Is Served. Ad. No. 608. For Beer and Ale. 15,692; May 12.
Premier-Pabst Corporation, Peoria Heights, Ill. Drink Pabst and the World Drinks With You—, Ad. No. 615. For Beer and Ale. 15,693; May 12.
Premier-Pabst Corporation, Peoria Heights, Ill. Drink Pabst and the World Drinks With You—. Ad. No. 616. For Beer and Ale. 15,694; May 12.
Premier-Pabst Corporation, Peoria Heights, Ill. Drink Pabst and the World Drinks With You—, Adv. No. 5335. For Beer and Ale. 15,695; May 12.
Premier-Pabst Corporation, Peoria Heights, Ill. Don't Drink—Till You See the Pabst Trademark. Ad. No. 5336. For Beer and Ale. 15,696; May 12.
Premier-Pabst Corporation, Peoria Heights, Ill. Quality Is the Pabst Policy—, Adv. No. 5337; For Beer and Ale. 15,697; May 12.
Premier-Pabst Corporation, Peoria Heights, Ill. All Beers Are Not Pabst Under the Tin . . . , Ad. No. 5338. For Beer and Ale. 15,698; May 12.
Premier-Pabst Corporation, Peoria Heights, Ill. Go Best—Young Man Choose Pabst . . . , Ad No. 5339. For Beer and Ale. 15,699; May 12.
Premier-Pabst Corporation, Peoria Heights, Ill. All That Glitters—Is Not Pabst, Ad. No. 5340. For Beer and Ale. 15,700; May 12.
Premier-Pabst Corporation, Peoria Heights, Ill. Goodness Is As Pabst Does, Adv. No. 5341. For Beer and Ale. 15,701; May 12.
Premier-Pabst Corporation, Peoria Heights, Ill. We Have Met Pabst—and It Is Ours, Adv. No. 5342. For Beer and Ale. 15,702; May 12.
Premier-Pabst Corporation, Peoria Heights, Ill. A Friend You Need Is Pabst Indeed. Ad. No. 5343. For Beer and Ale. 15,703; May 12.
Premier-Pabst Corporation, Peoria Heights, Ill. If At First You Didn't Try Pabst—Tray Again! Adv. No. 5344. For Beer and Ale. 15,704; May 12.
Premier-Pabst Corporation, Peoria Heights, Ill. He Who Drinks Pabst—Drinks Best, Ad. No. 5345. For Beer and Ale. 15,705; May 12.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. A. S. Nowlin & Company. 109,327; renewed Mar. 28, 1936.
Coal, Bituminous. Midvale-Goshen Coal Company. 109,874; renewed Apr. 18, 1936.
Fur skins and parts thereof. Nu West Fur Dyeing Corp. 334,669; May 12; Serial No. 365,647; published Feb. 25, 1936.
Hay beans, Small black. Purcell Seed Co. 334,859; May 12.
Leather, Glove. Wood & Hyde Company. 334,639; May 12; Serial No. 373,437; published Feb. 25, 1936.
Seed, Grass. T. W. Wood & Sons. 334,763; May 12; Serial No. 371,376; published Feb. 25, 1936.
Skins, Fur bearing. J. S. Sterling. 334,838; May 12.

Wood-pulp and paper-pulp. West Virginia Pulp & Paper Company. 334,713; May 12; Serial No. 359,838; published Feb. 25, 1936.

CLASS 2

Box liners and boxes made therefrom. Corrugated fibre board. F. J. Kress Box Company. 334,856; May 12.
Sacks and bags, Paper and cellulose. Munson Bag Company. 334,682; May 12; Serial No. 374,154; published Mar. 3, 1936.

CLASS 3

Pocketbooks, bags, and purses. Bienen-Davis Inc. 334,765; May 12; Serial No. 371,484; published Feb. 25, 1936.

CLASS 4

Alkaline detergent. Pennsylvania Salt Manufacturing Company. 334,727; May 12; Serial No. 372,685; published Feb. 25, 1936.
Cream, Shaving. Hamlins Wizard Oil Company. 334,714; May 12; Serial No. 357,859; published July 16, 1935.
Powder for cleaning and polishing dentures. T. E. Stainback. 334,632; May 12; Serial No. 373,577; published Feb. 25, 1936.
Powder for cleaning rugs, etc., Saponaceous. Olson Rug Company. 112,547; renewed Sept. 12, 1936.
Soap. Los Angeles Soap Co. 110,319; renewed May 16, 1936.

CLASS 5

Adhesive cement. Boston Blacking & Chemical Co. 334,736; May 12; Serial No. 372,457; published Feb. 25, 1936.
Adhesive products. I. I. Slomon. 334,697; May 12; Serial No. 371,897; published Feb. 25, 1936.

CLASS 6

Acids, acid inhibitors, alkalies, etc. Dowell Incorporated. 334,852; May 12.
Antiseptic jelly and ointment to relieve itching skin, sunburn, etc. C. P. Wynne. 334,784; May 12; Serial No. 370,439; published Feb. 18, 1936.
Astringents, creams, and deodorant. F. Elmquist. 334,806; May 12; Serial No. 371,144; published Feb. 18, 1936.
Blue and starch, ink remover, etc., Laundry. Merchants Chemical Company. 334,661; May 12; Serial No. 368,264; published Feb. 18, 1936.
Blue, Laundry. B. Heller & Company. 334,691; May 12; Serial No. 371,814; published Feb. 18, 1936.
Calcium carbonate, Processed. R. T. Vanderbilt Company. 334,730; May 12; Serial No. 372,646; published Feb. 18, 1936.
Chemical preparations for emulsifying and thickening agents for use in the textile and related industries. Glyco Products Co. Inc. 334,789; May 12; Serial No. 370,097; published Feb. 25, 1936.
Composition for imparting opacity to photographic and photo-engraving films, plates, papers, etc. J. Q. du Pont. 334,755; May 12; Serial No. 372,091; published Feb. 25, 1936.
Cosmetic. Lydia O'Leary, Inc. 334,662; May 12; Serial No. 368,078; published Feb. 18, 1936.
Cough drops. V. M. Graner. 334,716; May 12; Serial No. 372,011; published Feb. 25, 1936.
Cream, Foot. L. H. Backes. 334,764; May 12; Serial No. 371,413; published Feb. 25, 1936.
Cream, Foot. C. C. Conrad. 334,651; May 12; Serial No. 372,549; published Feb. 18, 1936.
Creams, skin lotions, and skin powders, Skin. D. H. Nichols. 334,787; May 12. Serial No. 370,194; published Feb. 25, 1936.
Eyebrow and eyelash grower, hair salves, hair elixirs, etc. Lander Co. 334,650; May 12; Serial No. 372,370; published Feb. 25, 1936.
Fluid, Hydraulic shock absorber and hydraulic brake. Windsor-Lloyd Products, Inc. 334,831; May 12.
Fluids, Processing. Neve-Wet Corporation of America, Inc. 334,837; May 12.
Hair tonic, hair oil, quinine preparation for hair, etc. S. Hazler. 334,847; May 12.
Hydraulic shock absorber fluid and hydraulic brake fluid. Windsor-Lloyd Products, Inc. 334,657; May 12; Serial No. 354,715; published Feb. 25, 1936.
Laxative water, Artificial. A. J. Canfield Co. 334,805; May 12; Serial No. 371,140; published Feb. 25, 1936.
Liniment. Troy Chemical Co. 112,831; renewed Sept. 26, 1936.
Liniment accompanied with tablets within the same carton. 20th Century Drug Co. 334,692; May 12; Serial No. 364,488; published Feb. 25, 1936.
Medicinal and hygienic toilet preparations. Heliogen Limited. 334,740; May 12; Serial No. 363,907; published Feb. 18, 1936.
Medicinal compound recommended for use in treating common colds, etc. S. Swider. 334,753; May 12; Serial No. 372,119; published Feb. 25, 1936.
Medicinal preparation. Nature's Mineral Food Co. 334,836; May 12.
Medicine for purification of the blood. E. R. Balagner. 112,624; renewed Sept. 19, 1936.
Medicines. P. T. Littman. 334,857; May 12.
Mouth wash. Purepac Corporation. 334,724; May 12; Serial No. 372,747; published Feb. 18, 1936.
Nail polish and liquid nail polish remover. Peroxide Chemical Co. 334,780; May 12; Serial No. 370,627; published Feb. 18, 1936.
Oils, scalp ointments, pine needle oil, etc., Soapless. H. Aaron. 334,701; May 12; Serial No. 369,434; published Feb. 25, 1936.
Ointment. Pratt Food Company. 334,833; May 12.
Ointment and jelly for constipation. C. P. Wynne. 334,785; May 12; Serial No. 370,438; published Feb. 18, 1936.
Ointment, Antiseptic and healing. H. Cushing. 334,858; May 12.
Perfumes and toilet waters. Mark Cross Company. 334,725; May 12; Serial No. 372,730; published Feb. 18, 1936.
Perfumes, toilet water, face powder, etc. Bienaime, Societe Anonyme. 334,679–80; May 12; Serial Nos. 372,076–7; published Feb. 18, 1936.
Perfumes, toilet waters, face-powders, etc. V. Vivaudou, Inc. 112,734–5; renewed Sept. 19, 1936.
Perfumes, toilet waters, sachets, etc. Parfums Charbert, Inc. 334,779; May 12; Serial No. 370,668; published Feb. 25, 1936.
Petrolatums, Irradiated. Sherwood Petroleum Company. 334,756; May 12; Serial No. 371,044; published Feb. 25, 1936.
Pharmaceutical preparations. Melba Manufacturing Company. 112,015; renewed Aug. 15, 1936.
Poison, bedbug-destroyer, and roach-destroyer, Rat or mice. B. Heller & Co. 111,727; renewed Aug. 1, 1936.
Powders, general tonic, medicine for the treatment of rheumatism, etc., Headache. E. E. Brown. 334,707; May 12; Serial No. 369,877; published Feb. 25, 1936.
Preparation for killing ants. H. M. Epstein. 334,781; May 12; Serial No. 370,604; published Feb. 25, 1936.
Preparation for killing insects, Liquid. Miami Products and Chemical Co. 334,830; May 12.
Preparation for the treatment of gout and rheumatism. E. Bejean. 112,628; renewed Sept. 19, 1936.
Preparation for the treatment of pyorrhea, liquid dentifrice, and mouth wash. Oral Seal Chemical Company. 334,777; May 12; Serial No. 370,921; published Feb. 25, 1936.
Preparation for use as an energizer and carbon solvent, to be added to gasoline, etc. E. A. Theise. 334,700; May 12; Serial No. 371,953; published Feb. 25, 1936.
Preparation for use in treatment of all kinds of textile fibers in sizing, dyeing, etc. Jacques Wolf and Co. 334,772; May 12; Serial No. 371,660; published Feb. 18, 1936.
Remedies, catarrhal jelly, and cough-tablets, Rheumatic. A. G. Luebert. 110,403; renewed May 23, 1936.
Remedy for certain named affections and for bleaching the skin. J. W. Bolen. 109,177; renewed Mar. 28, 1936.
Salt. Pioneer Salt Company. 334,832; May 12.
Salt for use in the throwing of silk, Organic chemical. Warwick Chemical Company. 334,734; May 12; Serial No. 372,616; published Feb. 18, 1936.
Salve, Eucalpine Chemical Company. 109,935; renewed Apr. 25, 1936.
Salve, A. Stringary. 334,842; May 12.
Salves and a preparation for dandruff and scalp, Skin. C. P. Panagakos. 334,760; May 12; Serial No. 368,483; published Feb. 18, 1936.
Sodium silicate. Philadelphia Quartz Company. 112,555; renewed Sept. 19, 1936.
Sulfonated and sulfated oils, fats, waxes, and aliphatic alcohols for use on textile, etc. Onyx Oil and Chemical Co. 334,773; May 12; Serial No. 371,737; published Feb. 18, 1936.
Toilet waters and toilet powders. Pinaud Incorporated. 334,792; May 12; Serial No. 368,625; published Feb. 25, 1936.
Tonic, Nerve. Smith, Kline & French Laboratories. 334,791; May 12; Serial No. 368,902; published Nov. 19, 1935.
Tonics and treatment of diseases of the blood, etc., Medicinal. Frederick Stearns & Co. 112,325; renewed Aug. 29, 1936.
Vermicide. Tennessee Eastman Corporation. 334,688; May 12; Serial No. 345,522; published Feb. 25, 1936.
Water, Artificially-prepared alkaline. Kalak Water Company of New York, Inc. 110,132; renewed May 2, 1936.

CLASS 7

Twine and cordage. Colonial Cordage Co. 110,203; renewed May 9, 1936.
Twine and cordage. Colonial Cordage Co. 111,793–4; renewed Aug. 8, 1936.

CLASS 8

Pipes, and cigar and cigarette holders. H. L. Rogers. 334,749; May 12; Serial No. 372,188; published Feb. 25, 1936.

CLASS 9

Matches, Safety. Tulitikku Oy. 334,762; May 12; Serial No. 371,370; published Mar. 3, 1936.

CLASS 11

Compounds to prevent offset, crystalization, and sticking of printing ink. C. E. Bolund. 334,746; May 12; Serial No. 372,234; published Feb. 25, 1936.

CLASS 12

Bricks, cement, blocks, etc. Eagle-Picher Lead Company. 334,664; May 12; Serial No. 367,712; published Sept. 17, 1935.
Cement, Portland. Missouri Portland Cement Company. 334,771; May 12; Serial No. 371,648; published Feb. 25, 1936.
Fiber-board or artificial lumber for building and allied purposes. Upson Company. 110,704; renewed June 6, 1936.
Roofing and building papers. Globe Roofing Products Co. 334,687; May 12; Serial No. 371,769; published Feb. 25, 1936.
Roofing and building papers. Globe Roofing Products Co. 334,775; May 12; Serial No. 371,765; published Feb. 25, 1936.
Roofing and building papers. Globe Roofing Products Co. 334,776; May 12; Serial No. 371,767; published Feb. 25, 1936.
Sheet-metal work for buildings. Boston Metal Ceiling and Manufacturing Company. 111,174; renewed July 4, 1936.

CLASS 13

Nails. American Steel and Wire Company of New Jersey. 334,840; May 12.
Strapping, Box. Stanley Works. 334,820–2; May 12; Serial Nos. 373,084–6; published Mar. 3, 1936.

CLASS 14

Castings. Detroit Gray Iron Foundry Company. 334,638; May 12; Serial No. 373,489; published Feb. 25, 1936.

CLASS 15

Oils, Lubricating. W. B. Jacobs. 112,515; renewed Sept. 12, 1936.

CLASS 16

Paint color concentrates and fresco colors. I. F. Laucks, Inc. 334,741; May 12; Serial No. 363,433; published Mar. 3, 1936.
Paints, paint enamels, varnishes, etc. Cochran Company. 334,658; May 12; Serial No. 353,320; published Mar. 3, 1936.
Paints, paint enamels, varnishes, etc. Socony Paint Products Company. 334,627; May 12; Serial No. 373,656; published Mar. 3, 1936.
Paints, varnishes, and paint enamels. Seplowitz Bros. 334,689; May 12; Serial No. 371,786; published Mar. 3, 1936.

CLASS 17

Cigars. M. & N. Cigar Manufacturers, Inc. 334,652; May 12; Serial No. 372,523; published Feb. 25, 1936.
Cigars. Tampa Importers, Inc. 334,671; May 12; Serial No. 372,444; published Feb. 25, 1936.
Cigars, cigarettes, smoking tobacco, etc. Brown & Williamson Tobacco Corporation. 334,823; May 12; Serial No. 373,068; published Feb. 25, 1936.

CLASS 19

Automobiles, automobile trucks, trailers, and parts thereof. Willys-Overland Co. 109,244; renewed Mar. 28, 1936.
Automobiles, busses, and trucks, Passenger. White Motor Company. 334,851; May 12.

CLASS 21

Batteries, Storage. Electric Storage Battery Company. 334,674; May 12; Serial No. 372,909; published Mar. 3, 1936.
Electric contacts. Pfanstiehl Company. 109,949; renewed Apr. 25, 1936.
Electric lamps and reflectors thereof. Doray Lamp Co. 334,624; May 12; Serial No. 373,680; published Mar. 3, 1936.
Electric stoves and heating elements. Electromaster Inc. 334,721; May 12; Serial No. 372,824; published Mar. 3, 1936.
Electrical lamps for the projection of light under adverse conditions. Rich Foglite, Inc. 334,678; May 12; Serial No. 372,856; published Mar. 3, 1936.
Electrical wires and electrical cords and cables. American Circular Loom Company. 334,626; May 12; Serial No. 373,660; published Mar. 3, 1936.

CLASS 22

Cards, Playing. O. E. Worley. 334,628; May 12; Serial No. 373,651; published Mar. 3, 1936.
Fishing lines. Sunset Line and Twine Co. 334,683; May 12; Serial No. 374,098; published Mar. 3, 1936.
Toys. S. Cohen & Son. 334,636; May 12; Serial No. 373,522; published Mar. 3, 1936.
Trolling spoons or spinners and artificial bait. Enterprise Manufacturing Company. 112,492–3; renewed Sept. 12, 1936.

CLASS 23

Apparatus for cooling and conditioning bakery products, Comprehensive. Vacuum Bread Cooling Corporation. 334,757; May 12; Serial No. 370,974; published Mar. 3, 1936.
Harrows. Babcock Manufacturing Co. 334,625; May 12; Serial No. 373,664; published Mar. 3, 1936.
Journal and bearing protectors. Lewis Bolt & Nut Company. 334,705; May 12; Serial No. 369,852; published Mar. 3, 1936.
Loop forming implements. Osann Corporation. 334,665; May 12; Serial No. 367,678; published Mar. 3, 1936.
Machines and apparatus for the preparation and spinning of textile fibres. F. Casablancas. 334,845; May 12.
Openers, Can. Swing-Spout Measure Company. 334,843; May 12.
Razor blades. Consolidated Razor Blade Co. Inc. 334,653; May 12; Serial No. 372,510; published Mar. 3, 1936.
Sewing machines and parts thereof. Consolidated Sewing Machine and Supply Co. 334,729; May 12; Serial No. 372,656; published Mar. 3, 1936.
Stabilizing and steering mechanism for aircraft, Automatic and semi-automatic. Sperry Gyroscope Company. 334,849; May 12.
Staple driving machines. A. L. Hansen Mfg. Co. 334,754; May 12; Serial No. 372,097; published Mar. 3, 1936.
Steam flusher and washer for servicing of automotive vehicles, Portable combination. Stewart-Warner Corporation. 334,686; May 12; Serial No. 351,780; published Mar. 3, 1936.
Stereotype casting boxes, mat rolling machines, stereotype saws, etc. G. A. Field. 334,685; May 12; Serial No. 352,015; published Mar. 3, 1936.
Sweepers, lawn mowers, grass hooks, etc., Carpet. Hibbard, Spencer, Bartlett & Company. 334,719; May 12; Serial No. 372,837; published Mar. 3, 1936.
Vehicle vibrating mechanisms for use in lubricating vehicles. Lube Jack Co. 334,803; May 12; Serial No. 371,065; published Mar. 3, 1936.

CLASS 24

Ironers, Domestic. Automatic Washer Company. 334,677; May 12; Serial No. 372,868; published Mar. 3, 1936.

CLASS 26

Devices for orthoptic testing and training purposes. Wottring Instrument Company. 334,800; May 12; Serial No. 373,900; published Mar. 3, 1936.
Direction and altitude indicating instruments, Aircraft. Sperry Gyroscope Company. 334,848; May 12.
Eyeglasses and goggles. Strong Kennard & Nutt Company. 109,331; renewed Mar. 28, 1936.
Eyeglasses, spectacles, and lenses for the same. F. W. King Optical Company. 109,748; renewed Apr. 18, 1936.
Indicators for condition of storage battery cells. Atlas Supply Company. 334,790; May 12; Serial No. 369,077; published Mar. 3, 1936.
Length indicator, Trouser inseam. Pant-O-Sizer, Inc. 334,694; May 12; Serial No. 371,822; published Mar. 3, 1936.
Photoplays, Series of different motion-picture. Universal Film Manufacturing Company. 112,579; renewed Sept. 12, 1936.
Photoplays, Series of different motion-picture. Universal Film Manufacturing Company. 112,732; renewed Sept. 19, 1936.
Pictures and motion picture films, Motion. Republic Pictures Corporation. 334,703; May 12; Serial No. 369,549; published Mar. 3, 1936.
Pumps and meters, Fluid-measuring. S. F. Bowser & Company. 109,710; renewed Apr. 18, 1936.
Spectacle and eyeglass lenses. Murray Optical Company. 334,704; May 12; Serial No. 369,711; published Nov. 26, 1935.
Valve, Thermostatic water mixing. Doran Company. 334,854; May 12.

CLASS 28

Necklaces. Juergens & Andersen Company. 112,139; renewed Aug. 22, 1936.

CLASS 29

Tooth brushes. Pro-Phy-Lac-Tic Brush Company. 334,844; May 12.

CLASS 31

Oil filtration and circulation apparatus. S. F. Bowser & Company. 109,387; renewed Apr. 4, 1936.
Refrigerators, Automatic kerosene and gas. Sears, Roebuck and Co. 334,802; May 12; Serial No. 374,062; published Mar. 3, 1936.

CLASS 32

Blinds, Venetian blind headbars, casings, and slats therefor, Venetian. Master Venetian Blind Hardware Corp. 334,649; May 12; Serial No. 372,375; published Mar. 3, 1936.
Chair, Child's jumper. National Production Company. 334,690; May 12; Serial No. 329,960; published Mar. 3, 1936.
Furniture in style periods, odd or occasional pieces, and upholstered furniture. Potthast Bros. Inc. 334,663; May 12; Serial No. 367,847; published Mar. 3, 1936.

CLASS 33

Glass. Corning Glass Works. 111,192; renewed July 4, 1936.

CLASS 34

Globes and reflectors. Miller Company. 334,672; May 12; Serial No. 372,918; published Mar. 3, 1936.
Radiators, Heating. M. Stefanczyk. 334,654; May 12; Serial No. 372,492; published Mar. 3, 1936.
Ranges, furnaces and boilers. Armstrong Stove and Manufacturing Company. 334,855; May 12.
Stoves, Gas. Moore Corporation. 334,809; May 12; Serial No. 373,313; published Mar. 3, 1936.

CLASS 35

Belting and packings. Chas. A. Schieren Company. 112,564; renewed Sept. 12, 1936.
Gaskets. Johns-Manville Corporation. 334,795; May 12; Serial No. 373,829; published Mar. 3, 1936.
Tires. United States Rubber Products, Inc. 334,796–7; May 12; Serial Nos. 373,848–9; published Mar. 3, 1936.
Tires and tubes. Hibbard, Spencer, Bartlett & Company. 334,720; May 12; Serial No. 372,835; published Mar. 3, 1936.

CLASS 36

Accordions. Chicago Musical Instrument Company. 334,631; May 12; Serial No. 373,594; published Mar. 3, 1936.
Musical instruments and supplies therefor. Aeolian Company. 112,461; renewed Sept. 12, 1936.

CLASS 37

Card Index boxes. General Electric Company. 334,737; May 12; Serial No. 372,360; published Feb. 25, 1936.
Paper, Bond. Fox River Paper Company. 334,810–11; May 12; Serial Nos. 373,298–9; published Feb. 25, 1936.
Paper, Bond and ledger. Neenah Paper Company. 112,538–40; renewed Sept. 12, 1936.
Paper, Bond and ledger. Neenah Paper Company. 112,543–4; renewed Sept. 12, 1936.
Paper for wrapping, Tissue. Metropolitan Paper and Bag Corporation. 334,728; May 12; Serial No. 372,678; published Feb. 25, 1936.
Paper napkins. Sterilek Company Inc. 334,637; May 12; Serial No. 373,507; published Feb. 25, 1936.
Pencils, Lead. Eagle Pencil Company. 112,172; renewed Aug. 22, 1936.
Pens, mechanical pencils and desk sets, Fountain. Parker Pen Company. 334,816; May 12; Serial No. 373,157; published Feb. 25, 1936.
Tissue, Cleansing. San-Nap-Pak Mfg. Co. Inc. 334,647; May 12; Serial No. 372,434; published Feb. 25, 1936.

CLASS 38

Books pertaining to football. B. E. Callahan. 334,786; May 12; Serial No. 370,334; published Feb. 25, 1936.
Chart, Household. W. J. Dooley. 334,783; May 12; Serial No. 370,488; published Feb. 25, 1936.
Magazines. American Multigraph Sales Company. 110,088; renewed May 2, 1936.
Newspaper. Tribune Company. 110,193; renewed May 9, 1936.
Periodical. Greylock Corporation. 334,676; May 12; Serial No. 372,874; published Feb. 25, 1936.
Publication. M. Forester. 334,739; May 12; Serial No. 372,355; published Feb. 25, 1936.
Section of a newspaper publication. Minneapolis Star Company. 334,641; May 12; Serial No. 373,388; published Feb. 25, 1936.

CLASS 39

Boots and shoes. L. M. Blumstein, Inc. 334,681; May 12; Serial No. 372,038; published Feb. 18, 1936.
Boots and shoes. Holmes-Bohr Company. 334,817; May 12; Serial No. 373,135; published Feb. 18, 1936.
Boots and shoes. International Shoe Co. 334,718; May 12; Serial No. 372,839; published Feb. 18, 1936.
Caps, Rubber bathing. International Latex Corporation. 334,668; May 12; Serial No. 365,734; published Feb. 18, 1936.
Frocks; dresses, suits, etc. Goldworm Sportwear Co. 334,827; May 12.
Gloves. Louis Myers & Son, Inc. 334,709; May 12; Serial No. 371,974; published Feb. 18, 1936.
Gloves, aprons and mittens of rubber or of rubber and fabric. Edmont Manufacturing Company. 334,815; May 12; Serial No. 373,166; published Feb. 18, 1936.
Hats and caps. Goldenbergs. 111,816; renewed Aug. 8, 1936.
Hosiery. Chipman Knitting Mills. 109,515; renewed Apr. 11, 1936.
Nightgowns, pajamas, and negligees. Franklin Simon & Co. 334,829; May 12.
Scarfs, shoes, underwear, etc. Modern Merchandising Bureau, Inc. 334,706; May 12; Serial No. 369,872; published Feb. 18, 1936.
Shirts, pajamas, suits, etc. Plymouth Wholesale Dry Goods Corporation. 334,778; May 12; Serial No. 370,813; published Feb. 18, 1936.
Shoes. Walter T. Dickerson Company. 334,670; May 12; Serial No. 365,607; published Feb. 18, 1936.
Shoes. Laird, Schober Co. 334,722; May 12; Serial No. 372,774; published Feb. 18, 1936.
Shoes. Nu-Way Shoe Company. 334,695; May 12; Serial No. 371,884; published Feb. 18, 1936.
Shoes. Oppenheim, Collins & Co. Inc. 334,766; May 12. Serial No. 371,498; published Feb. 18, 1936.
Shoes. Selby Shoe Co. 334,710; May 12; Serial No. 371,978; published Feb. 18, 1936.
Shoes and parts thereof. R. R. Ratcliff. 334,696; May 12; Serial No. 371,887; published Feb. 18, 1936.
Slippers, Bedroom. Dainty Maid Slippers, Inc. 334,675; May 12; Serial No. 372,907; published Feb. 18, 1936.
Suits and coats, Misses' and juniors'. I. Grossman & Son. 112,422; renewed Sept. 5, 1936.
Sweater-coats, toques, and caps. Columbia Knitting & Mfg. Co. 112,481; renewed Sept. 12, 1936.
Trousers, Men's. Union Pants and Overall Manufacturing Company. 334,828; May 12.
Underwear, Women's. Sussberg & Feinberg, Inc. 334,731; May 12; Serial No. 372,644; published Feb. 18, 1936.

CLASS 40

Buckles for overalls and work clothes. Parva Products Company. 334,814; May 12; Serial No. 373,185; published Feb. 18, 1936.
Buttons and buckles for wearing apparel. L. Sher. 334,648; May 12; Serial No. 372,378; published Feb. 18, 1936.
Fasteners for use on wearing apparel, one piece spiral type. H. C. Schmidt. 334,747; May 12; Serial No. 372,215; published Feb. 18, 1936.
Shields, Dress. A. Stein & Company. 334,732; May 12; Serial No. 372,642; published Feb. 18, 1936.

CLASS 42

Acetate and rayon fabric. Stünzi Sons Silk Co. Inc. 334,699; May 12; Serial No. 371,948; published Feb. 25, 1936.
Bedspreads, draperies, sheets, etc. Standard Trading Mills, Inc. 334,702; May 12; Serial No. 369,464; published Feb. 18, 1936.
Comfortables and spreads, Bed. S. Pristaw. 334,774; May 12; Serial No. 371,739; published Feb. 18, 1936.
Fabric of elastic yarn. Lace Net Importing Co. Inc. 334,733; May 12; Serial No. 372,630; published Feb. 18, 1936.
Linen, rayon, and cotton fabrics. Lesem Bach & Co. Incorporated. 334,673; May 12; Serial No. 372,917; published Feb. 18, 1936.
Piece goods and pile fabrics. Goodall Worsted Co. 334,768; May 12; Serial No. 371,575; published Feb. 18, 1936.
Rayon textile fabrics. Ross & Oberlieder Silk Corp. 334,782; May 12; Serial No. 370,489; published Feb. 18, 1936.
Rugs. Sachs Quality Furniture Inc. 334,655; May 12; Serial No. 372,488; published Feb. 18, 1936.
Sheets and pillowcases. Bell Textile Co. 334,684; May 12; Serial No. 367,750; published Feb. 18, 1936.
Towels, Turkish and huck bath. Carson, Pirie, Scott & Co. 109,390; renewed Apr. 4, 1936.
Woolen piece goods. Federal Knitwear Co. 334,726; May 12; Serial No. 372,720; published Feb. 18, 1936.

CLASS 43

Cotton, cotton thread and yarns, etc., Spool and sewing. American Thread Company. 334,819; May 12; Serial No. 373,122; published Feb. 18, 1936.
Thread and yarn. Super Yarn Manufacturing Corp. 334,759; May 12; Serial No. 372,258; published Feb. 18, 1936.
Yarns. Eastyarn, Inc. 334,813; May 12; Serial No. 373,205; published Feb. 11, 1936.
Yarns. James Lees & Sons Company. 334,623; May 12; Serial No. 373,694; published Feb. 25, 1936.
Yarns. Steinberger Bros. Inc. 334,640; May 12; Serial No. 373,432; published Feb. 25, 1936.
Yarns, knitting and clocking. King Cotton Mills Corporation. 334,769; May 12; Serial No. 371,614; published Feb. 25, 1936.
Yarns, Woolen and worsted. Regent Knitting Mills, Limited. 334,723; May 12; Serial No. 372,751; published Feb. 18, 1936.

CLASS 44

Dentures. C. Amenta. 334,808; May 12; Serial No. 373,352; published Mar. 3, 1936.
Mercury for dental purposes. Baker & Company. 334,818; May 12; Serial No. 373,124; published Mar. 3, 1936.

CLASS 45

Beverages for use as mixers. M. J. White. 334,635; May 12; Serial No. 373,547; published Mar. 3, 1936.
Beverages used as mixers. J. Covell. 334,634; May 12; Serial No. 373,562; published Mar. 3, 1936.
Ginger-ale, sarsaparilla, and club-soda. Varuna Spring Co. 111,775; renewed Aug. 1, 1936.
Grape juice. Tea Garden Products Co. 334,801; May 12; Serial No. 374,025; published Mar. 3, 1936.

CLASS 46

Biscuits, Crushed wheat breakfast food. O. Cross. 334,633; May 12; Serial No. 373,563; published Mar. 3, 1936.

Bread. Maine Baking Company. 334,666; May 12; Serial No. 366,866; published Mar. 3, 1936.

Bread, butter cakes, biscuits, etc. J. H. Grubman. 334,693; May 12; Serial No. 364,420; published Aug. 20, 1935.

Bread sticks, bread crumbs and assorted cakes. A. Angonoa, Inc. 334,698; May 12; Serial No. 371,902; published Mar. 3, 1936.

Butter. Le R. F. Schloemer. 334,715; May 12; Serial No. 357,580; published Mar. 3, 1936.

Butter, eggs, and vegetable oils for food purposes. William Bauer Company. 334,745; May 12; Serial No. 360,958; published Mar. 3, 1936.

Candy. Stern & Saalberg Co. 112,327; renewed Aug. 29, 1936.

Candy, ice-cream and ices, bread, etc. Oakes Candy Co. 109,578; renewed Apr. 11, 1936.

Candy, Maple sugar. Maple Grove Candies, Inc. 334,846; May 12.

Canned fish. W. R. Roach & Co. 109,370; renewed Apr. 4, 1936.

Canned fish, canned vegetables, olives, etc. Thompkins & Eckart. 334,788; May 12; Serial No. 370,155; published Feb. 25, 1936.

Canned foods for dogs, cats, foxes, etc. Animal Foods Company. 334,807; May 12; Serial No. 373,353; published Mar. 3, 1936.

Canned fruits and canned fruit juices for food purposes. Florida Fruit Canners Inc. 334,659; May 12; Serial No. 372,409; published Mar. 3, 1936.

Canned fruits, canned vegetables, canned soup, etc. Thrift Packing Company. 334,735; May 12; Serial No. 372,575; published Mar. 3, 1936.

Canned green beans. Hillman Packing Company. 334,630; May 12; Serial No. 373,606; published Mar. 3, 1936.

Canned salmon. Columbia River Packers Association. 108,987–9; renewed Mar. 14, 1936.

Canned Salmon. Columbia River Packers Association. 109,520–2; renewed Apr. 11, 1936.

Canned salmon. Columbia River Packers Association. 110,395; renewed May 23, 1936.

Canned salmon. Wm. W. McBride. 334,642–3; May 12; Serial Nos. 373,386–7; published Mar. 3, 1936.

Canned vegetables. Standard Brands Incorporated. 334,835; May 12.

Cheese. John Morrell & Co. 108,438; renewed Feb. 8, 1936.

Cheese. O. Roth & Co. 112,142; renewed Aug. 22, 1936.

Coffee. Kroger Grocery & Baking Company. 110,892; renewed June 13, 1936.

Coffee. Miner, Read & Tullock. 110,831; renewed June 13, 1936.

Coffee. D. W. Ohlandt & Sons. 334,717; May 12; Serial No. 372,849; published Mar. 3, 1936.

Coffee, Blended. William S. Scull Company. 112,565; renewed Sept. 12, 1936.

Cookies, Bran. E. E. Gano. 112,773; renewed Sept. 26, 1936.

Crackers. Southern Biscuit Company. 334,853; May 12.

Dressing for cereals, vegetables, meats, etc. A. L. Friend. 334,646; May 12; Serial No. 372,411; published Mar. 3, 1936.

Flour, Wheat. Hogan Milling Company. 334,824–5; May 12; Serial Nos. 373,060–1; published Mar. 3, 1936.

Food, Dog, cat, and fox. H. Serois. 334,656; May 12; Serial No. 356,888; published Dec. 18, 1934.

Food, Stock. D. H. Grandin Milling Co. 109,983; renewed Apr. 25, 1936.

Foods. Horn & Hardart Baking Company. 111,233; renewed July 4, 1936.

Foods. H. D. Lee Mercantile Co. 110,925; renewed June 20, 1936.

Fruit, Fresh citrus. Lakeland Groves Company. 334,645; May 12; Serial No. 372,422; published Mar. 3, 1936.

Fruits and fresh vegetables, Citrus. International Fruit Corporation. 334,770; May 12; Serial No. 371,632; published Mar. 3, 1936.

Fruits and vegetables, dressed chickens, etc., Fresh. G. B. Johnson. 334,767; May 12; Serial No. 371,543; published Mar. 3, 1936.

Fruits, Citrus. Tree-Gold Cooperative Growers of Florida. 334,804; May 12; Serial No. 371,118; published Mar. 3, 1936.

Fruits, Fresh citrus. Terra Bella Citrus Assn. 334,834; May 12.

Fruits, Fresh deciduous. Dow Fruit Company. 334,750; May 12; Serial No. 372,169; published Mar. 3, 1936.

Ham. John Morrell & Co. 109,325; renewed Mar. 28, 1936.

Oleomargarin. Capital City Dairy Co. 111,086; renewed June 27, 1936.

Peanut-butter and peanuts. American Peanut Corporation. 111,781; renewed Aug. 8, 1936.

Peanuts. American Peanut Corporation. 111,157–8; renewed July 4, 1936.

Preserves and jelly, Berry and fruit. Joseph Middleby, Jr., Inc. 107,928; renewed Jan. 4, 1936.

Prunes, Strained. California Prune & Apricot Growers Association. 334,850; May 12.

Salt, Table. Matchette Sales Company. 334,712; May 12; Serial No. 359,958; published Mar. 3, 1936.

Vegetables, Fresh. D. W. Johnston. 334,826; May 12; Serial No. 373,044; published Mar. 3, 1936.

Wheat. Wheat-Hearts Co. 112,456; renewed Sept. 5, 1936.

CLASS 47

Wines. Cameo Vineyards Company. 334,742; May 12; Serial No. 362,941; published Mar. 3, 1936.

Wines. Marcelin Marceau, Societe a Responsibilite Limitee. 334,841; May 12.

Wines. Alex D. Shaw & Co. 334,839; May 12.

CLASS 48

Beer. Hemrich Brewing Co. 334,660; May 12; Serial No. 368,447; published Mar. 3, 1936.

CLASS 49

Brandy, cognac, gin, etc. Greenbros. Inc. 334,794; May 12; Serial No. 373,826; published Mar. 3, 1936.

Cordials, Alcoholic. Mohawk Liqueur Corporation. 334,798–9; May 12; Serial Nos. 373,884–5; published Mar. 3, 1936.

Liqueur. Aktieselskabet De Danske Spritfabrikker. 334,711; May 12; Serial No. 360,156; published Mar. 3, 1936.

Liqueurs, Blackberry, sloe gin, peach, etc. Leroux and Company. 334,629; May 12; Serial No. 373,642; published Mar. 3, 1936.

Rum. J. B. Havre & Co. 334,644; May 12; Serial No. 373,380; published Mar. 3, 1936.

Rum. Pennsylvania Alcohol Corporation. 334,748; May 12; Serial No. 372,208; published Mar. 3, 1936.

Rum. V. M. Ramirez. 334,812; May 12; Serial No. 373,227; published Mar. 3, 1936.

Whiskey. Chicago Quality Liquors, Inc. 334,744; May 12; Serial No. 361,724; published Mar. 3, 1936.

Whiskey. C. H. Graves & Sons Company. 334,743; May 12; Serial No. 362,084; published Mar. 3, 1936.

Whiskey, gin, rum, etc. Josselson Bros., Inc. 334,708; May 12; Serial No. 369,924; published Mar. 3, 1936.

Whiskey, gin, rum, etc. Nussbaum Liquor Store, Inc. 334,793; May 12; Serial No. 373,702; published Mar. 3, 1936.

CLASS 50

Container of colors having a brush and materials for application to shoes. Woolman and Robles. 334,761; May 12; Serial No. 371,245; published Feb. 25, 1936.

Insignia, buttons, and ornaments made of special metal. N. S. Meyer, Inc. 334,751–2; May 12; Serial Nos. 372,139–40; published Feb. 25, 1936.

Leather, Artificial. Leathercraft Corporation. 334,667; May 12; Serial No. 366,862; published Feb. 25, 1936.

Leather substitutes. King Innovations, Inc. 334,758; May 12; Serial No. 372,281; published Feb. 25, 1936.

Sheet material, Non-metallic. General Electric Company. 334,738; May 12; Serial No. 372,358; published Feb. 25, 1936.

LIST OF LABELS

Beech-Nut Macaroni. For Macaroni. Beech-Nut Packing Company. 47,475; May 12.

Beech-Nut Spaghetti. For Spaghetti. Beech-Nut Packing Company. 47,474; May 12.

Consumers' Protection Label. For Millinery. Millinery Stabilization Commission, Inc. 47,478; May 12.

Meeco Surgucul. For Germicidal Soap. Medical Soap Company. 47,477; May 12.

Old Sleigh Half and Half. For Half-and-Half. Victor Brewing Co. 47,481; May 12.

Say Sims. For Breakfast Cereal. Sims, Inc. 47,479; May 12.

Vitamin-D. For Bread. Spaulding Bakeries, Incorporated. 47,480; May 12.

White Rooster. For Canned Peas. Elkhart Lake Canning Company. 47,476; May 12.

LIST OF PRINTS

A Friend You Need Is Pabst Indeed, Ad. No. 5343. For Beer and Ale. Premier-Pabst Corporation. 15,703; May 12.

All Beers Are Not Pabst Under the Tin . . . , Ad. No. 5338. For Beer and Ale. Premier-Pabst Corporation. 15,698; May 12.

All That Glitters—Is Not Pabst, Ad. No. 5340. For Beer and Ale. Premier-Pabst Corporation. 15,700; May 12.

Carpet Too, of Lively Wool. For Carpets. Bigelow-Sanford Carpet Co. Inc. 15,689; May 12.

Don't Drink—Till You See the Pabst Trademark, Ad. No. 5336. For Beer and Ale. Premier-Pabst Corporation. 15,696; May 12.

Drink Pabst and the World Drinks With You—, Ad. No. 615. For Beer and Ale. Premier-Pabst Corporation. 15,693; May 12.

Drink Pabst and the World Drinks With You—, Ad. No. 616. For Beer and Ale. Premier-Pabst Corporation. 15,694; May 12.

Drink Pabst and the World Drinks With You—, Adv. No. 5335. For Beer and Ale. Premier-Pabst Corporation. 15,695; May 12.

Go Best—Young Man Choose Pabst . . . , Ad. No. 5339. For Beer and Ale. Premier-Pabst Corporation. 15,699; May 12.

Goodness Is as Pabst Does, Adv. No. 5341. For Beer and Ale. Premier-Pabst Corporation. 15,701; May 12.

He Who Drinks Pabst—Drinks Best, Ad. No. 5345. For Beer and Ale. Premier-Pabst Corporation. 15,705; May 12.

Here's the Kind of Strawberry Shortcake Your Husband Will Rave About. For Biscuit Flour. General Mills, Inc. 15,691; May 12.

If at First You Didn't Try Pabst—Try Again! Adv. No. 5344. For Beer and Ale. Premier-Pabst Corporation. 15,704; May 12.

Quality Is the Pabst Policy—, Adv. No. 5337. For Beer and Ale. Premier-Pabst Corporation. 15,697; May 12.

Texture Takes the Floor. For Carpets and Rugs. Bigelow-Sanford Carpet Co. Inc. 15,687; May 12.

The Room Recipe Idea at Work for You! For Carpets and Rugs. Bigelow-Sanford Carpet Co. Inc. 15,690; May 12.

The Whole Scene Changes. For Carpets and Rugs. Bigelow-Sanford Carpet Co. Inc. 15,688; May 12.

We Have Met Pabst—and It Is Ours, Ad. No. 5342. For Beer and Ale. Premier-Pabst Corporation. 15,702; May 12.

Where the Best in Quality Is Demanded . . , Pabst Beer Is Served, Ad. No. 608. For Beer and Ale. Premier-Pabst Corporation. 15,692; May 12.

CARNEGIE LIBRARY OF

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 12TH DAY OF MAY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Allis-Chalmers Manufacturing Company. (See Stivender, Paul M., assignor.)
Bourdon, Pierre M., Paris, France, assignor to Michelin & Cie, Clermont-Ferrand, France. Pneumatic tire. 19,959; May 12.
Clancy, Patricia, San Diego, Calif. Corrective brassière. 19,960; May 12.
Crane, Harvey E., Fort Wayne, Ind., assignor to The Hoover Company, North Canton, Ohio. Motor compressor unit. 19,961; May 12.
Dean, Oscar M., Sioux City, Iowa. Cutting fur. 19,970; May 12.
Ellis-Foster Company. (See Weber, Harry M., assignor.)
Frigidaire Corporation. (See Scherer, Charles W., assignor.)
Hoover Company, The. (See Crane, Harvey E., assignor.)
Hutchison, Miller R., Jr., Madison, N. J., assignor to Multicycol Pump & Engine Corporation, New York, N. Y. Compressor. 19,962; May 12.
Macready, George A., Los Angeles, Calif. Apparatus for obtaining samples from drilled wells. 19,963; May 12.
Michelin & Cie. (See Bourdon, Pierre M., assignor.)
Multicycol Pump & Engine Corporation. (See Hutchison, Miller R., Jr., assignor.)
Scherer, Charles W., Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation. Refrigerating apparatus. 19,964; May 12.
Schröder, Einer and J. A. S. van Deurs, Frederiksburg, Denmark. Process and apparatus for the mechanical production of froth. 19,965; May 12.
Stivender, Paul M., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Control system. 19,966; May 12.
Van Deurs, Jan A. S. (See Schröder, E. and van Deurs.)
Weber, Harry M., Newton, Mass., assignor to Ellis-Foster Company. Composition of matter comprising resin esters. 19,967; May 12.
Weiner, Samuel N., Far Rockway, N. Y. Seam for garments. 19,968; May 12.

LIST OF PLANT PATENTEES

Cremer, Frank E., Hanover, Pa. Rose. 177; May 12.

LIST OF DESIGN PATENTEES

Abramson, Abraham, New York, N. Y., assignor, by mesne assignments, to G. B. G. Corporation, Newark, N. J. Decorative lighting unit. 99,637; May 12.
Alan, David, & Company. (See Degory, Alfred.)
Albertson & Company. (See Albertson, Frans O., assignor.)
Albertson, Frans O., assignor to Albertson & Company, Inc., Sioux City, Iowa. Metal spray gun. 99,616; May 12.
American Lead Pencil Company. (See Caffrey, Michael, assignor.)
American Seating Company. (See Bond, Willard H., Jr., assignor.)
Bakelite Corporation. (See Chipman, Richmond L., Jr., assignor.)
Battery Patents Corporation. (See Pease, Earl E., assignor.)
Belmont Radio Corporation. (See Marholz, Richard C., assignor.)
Berger, Theodore M., Ridgefield, N. J. Embroidered textile fabric. 99,654; May 12.
Bernheim, Richard, New York, N. Y., assignor to R. Neumann & Company, Hoboken, N. J. Leather. 99,567; May 12.
Boisvert, Napoléon H., Cambridge, Mass. Combined bookcase, radio, stationery compartment, liquor compartment, clock and lamp, or similar article. 99,655; May 12.
Bond, Willard H., Jr., East Grand Rapids, assignor to American Seating Company, Grand Rapids, Mich. Chair. 99,592; May 12.
Bond, Willard H., Jr., East Grand Rapids, assignor to American Seating Company, Grand Rapids, Mich. Chair. 99,593; May 12.
Brenner, George M., Oak Park, Ill. Bottle. 99,617; May 12.
Bridge, George L., Clayton, Mo. Space heater. 99,594; May 12.
Brown Instrument Company, The. (See Moore, Coleman B., assignor.)
Bulldog Electric Products Company. (See Sundberg, C. W., and Ferar, assignors.)
Caffrey, Michael, Jersey City, assignor to American Lead Pencil Company, Hoboken, N. J. Pencil tip. 99,595; May 12.
Caldwell, Albert E., Newark, N. J. Tire. 99,596; May 12.
Caldwell, Albert E., Newark, N. J. Tire. 99,597; May 12.
Caradine, James T. (See Duntze, George D., assignor.)
Carangi, Thomas, West Pittsburgh, Pa. Paring and peeling knife. 99,656; May 12.
Central Metallic Casket Co. (See Larson, Raymond, assignor.)
Chess, Mary, Inc. (See Robinson, Grace C., assignor.)
Chinsky, Joseph A., Baltimore, Md. Combined signal light casing and license plate holder. 99,657; May 12.
Chipman, Richmond L., Jr., Montclair, N. J., assignor to Bakelite Corporation, New York, N. Y. Radiocabinet. 99,598; May 12.
Civelli, Joseph, San Mateo, assignor to The Emporium-Capwell Company, San Francisco, Calif. Textile fabric. 99,621; May 12.
Cleverly, William, West New York, N. J. Textile fabric or similar article. 99,599; May 12.
Cohn, Philip, New York, N. Y. Crystal or similar article. 99,568; May 12.
Container Corporation of America. (See Macon, A. E., and Weir, assignors.)
Craighead, John R., Denver, Colo. Belt buckle or the like. 99,569; May 12.
Daniels, Claude H., Wellesley Hills, Mass. Shoe upper material. 99,618; May 12.
Daniels, Claude H., Wellesley Hills, Mass. Shoe upper material. 99,619; May 12.
Daniels, Claude H., Wellesley Hills, Mass. Shoe upper material. 99,638; May 12.
Degory, Alfred, assignor to A. Degory, R. S. Hawkins, and C. J. H. Libovitz, trading as David Alan & Company, Kensington, London, England. Lubricating gun or similar article. 99,620; May 12.
Delta Manufacturing Company. (See Tautz, Herbert E., assignor.)
Dickey-Grabler Company, The. (See Flasche, William F., assignor.)
Dognin, Jean, New York, N. Y. Lace. 99,658; May 12.
Dognin, Jean, New York, N. Y. Lace. 99,659; May 12.
Dognin, Jean, New York, N. Y. Lace. 99,660; May 12.
Duntze, George D., assignor to J. T. Caradine, St. Louis, Mo. Sign. 99,600; May 12.
Elliott, Lloyd B., San Francisco, Calif. Game apparatus. 99,570; May 12.
Emporium-Capwell Company, The. (See Civelli, Joseph, assignor.)
Felch, Carmen S., assignor to E. E. Weller, Providence, R. I. Shoe buckle. 99,601; May 12.
Ferar, Montgomery. (See Sundberg, C. W., and Ferar.)
Flasche, William F., Lakewood, assignor to The Dickey-Grabler Company, Cleveland, Ohio. Burial case handle. 99,622; May 12.
Forstmann, C. E., Montclair, N. J. Textile fabric. 99,571; May 12.
Fuerst, Brooks D., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jar. 99,639; May 12.
G. B. G. Corporation. (See Abramson, Abraham, assignor.)
Gadberry, Ward M. (See Kramer, J. M., Gadberry, and McElvain.)

Ganz, Paul H., New York, N. Y. Combination bottle and stopper. 99,572; May 12.
Gemex Company. (See Prestinari, Eugen, assignor.)
General Electric Company. (See Gosling, Joseph W., assignor.)
General Foods Corporation. (See Torongo, Albert H., assignor.)
Goodman, Andrew, New York, N. Y. Shoe. 99,636; May 12.
Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Lighting unit. 99,661; May 12.
Gwyer, Herbert J., Brooklyn, N. Y. Ashtray. 99,640; May 12.
Hawkins, Robert S., et al. (See Degory, Alfred, assignor.)
Houbigant, Inc. (See Wick, Andre, assignor.)
Housman, David, Winthrop, Mass. Automobile radiocabinet. 99,573; May 12.
Housman, David, Winthrop, Mass. Automobile radiocabinet. 99,574; May 12.
Jaskowiak, Peter. (See Shyvers, K. C., and Jaskowiak.)
Jones, Henry F., assignor to Jones Roofing and Supply Company, Inc., Calhoun, Ga. Rug or similar article. 99,662; May 12.
Jones, Henry F., assignor to Jones Roofing and Supply Company, Inc., Calhoun, Ga. Rug or similar article. 99,663; May 12.
Jones Roofing and Supply Company. (See Jones, Henry F., assignor.)
Karoff, Robert B., Chicago, Ill. Display bottles and container therefor. 99,623; May 12.
Katz, Russell, assignor to Krauth & Benninghofen, Hamilton, Ohio. Orchestra stand or similar article. 99,602; May 12.
Ketchum, Miner G., Indianapolis, Ind. Combined stand and tray for smokers. 99,641; May 12.
Ketchum, Miner G., Indianapolis, Ind. Combined stand and tray for smokers. 99,642; May 12.
Kramer, Andrew A. (See Kramer, J. M., Gadberry, and McElvain, assignors.)
Kramer, Joseph M., W. M. Gadberry, and A. J. McElvain, assignors to A. A. Kramer, Kansas City, Mo. Tank body for vehicles. 99,575; May 12.
Krantz, Everett W., Honesdale, Pa. Knitted fabric. 99,576; May 12.
Krauth & Benninghofen. (See Katz, Russell, assignor.)
Larson, Raymond, assignor to Central Metallic Casket Co., Chicago, Ill. Corner ornament for a casket or analogous article. 99,603; May 12.
Leppke, Louis A., Omaha, Nebr. Drinking-vessel. 99,624; May 12.
Leppke, Louis A., Omaha, Nebr. Drinking-vessel. 99,625; May 12.
Leppke, Louis A., Omaha, Nebr. Drinking-vessel. 99,626; May 12.
Libovitz, Cecil J. H., et al. (See Degory, Alfred, assignor.)
Long, Sylvanus, New York, N. Y. Textile fabric or similar article. 99,643; May 12.
Lorenzen, Arnold L., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Humidor. 99,577; May 12.
Lorenzen, Arnold L., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. 99,627; May 12.
Lorenzen, Arnold L., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. 99,644; May 12.
Lowe, Joe, Corporation. (See Thomas, Norman M., assignor.)
Lynch, David W., Lancaster, Pa. Nursery rocking chair or similar article. 99,578; May 12.
Macon, Arthur E., and W. J. Weir, Scarsdale, N. Y., assignors to Container Corporation of America, Chicago, Ill. Carton. 99,645; May 12.
Mange, Harold, St. Louis, Mo. Child's stocking. 99,579; May 12.
Marholz, Richard C., assignor to Belmont Radio Corporation, Chicago, Ill. Escutcheon plate for a radio receiver. 99,628; May 12.
McCandlish, Edward, Ypsilanti, Mich. Toy. 99,604; May 12.
McElvain, Alonzo J. (See Kramer, J. M., Gadberry, and McElvain.)
Michal, James, assignor to Storkline Furniture Corporation, Chicago, Ill. Baby carriage. 99,664; May 12.
Miller, Walter C., assignor to Quaker Lace Company, Inc., Philadelphia, Pa. Lace tablecloth. 99,580; May 12.
Miller, Walter C., assignor to Quaker Lace Company Inc., Philadelphia, Pa. Lace tablecloth. 99,581; May 12.
Moore, Coleman B., West Park, assignor to The Brown Instrument Company, Philadelphia, Pa. Casing for measuring and controlling instruments. 99,582; May 12.
Millhens, Paul P., Cologne, Germany. Bottle. 99,629; May 12.
Millhens, Paul P., Cologne, Germany. Bottle. 99,646; May 12.
Millhens, Paul P., Cologne, Germany. Bottle. 99,647; May 12.
Millhens, Paul P., Cologne, Germany. Bottle. 99,648; May 12.
Millhens, Paul P., Cologne, Germany. Bottle. 99,649; May 12.
National Pressure Cooker Company. (See Nelson, Carl, assignor.)
Nelson, Carl, assignor to National Pressure Cooker Company, Eau Claire, Wis. Pressure cooker. 99,583; May 12.
Nelson, Carl, assignor to National Pressure Cooker Company, Eau Claire, Wis. Pressure cooker. 99,584; May 12.
Neumann, R., & Company. (See Bernheim, Richard, assignor.)
Otto, Ferdinand P., assignor to Quaker Lace Company Inc., Philadelphia, Pa. Lace tablecloth. 99,585; May 12.
Owens-Illinois Glass Company. (See Fuerst, Brooks D., assignor.)
Owens-Illinois Glass Company. (See Lorenzen, Arnold L., assignor.)
Pease, Earl E., Oak Park, assignor to Battery Patents Corporation, Chicago, Ill. Combined handle-bar stem and speedometer mounting for bicycles. 99,586; May 12.
Pepper, Dr., Bottling Company. (See Zetzmann, William G., assignor.)
Pharis Tire & Rubber Company, The. (See Reel, Ralph M., assignor.)
Prestinari, Eugen, assignor to Gemex Company, Newark, N. J. Terminal link of a bracelet chain. 99,630; May 12.
Quaker Lace Company. (See Miller, Walter C., assignor.)
Quaker Lace Company Inc. (See Otto, Ferinand P., assignor.)
Reel, Ralph M., assignor to The Pharis Tire & Rubber Company, Newark, Ohio. Pneumatic tire casing. 99,605; May 12.
Ribera, Lucien, New York, N. Y. Clock dial or similar article. 99,587; May 12.
Ribera, Lucien, New York, N. Y. Clock dial or similar article. 99,588; May 12.
Richardson Company, The. (See Rieser, Oliver O., assignor.)
Rieser, Oliver O., Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Storage battery case. 99,606; May 12.
Robinson, Grace C., assignor to Mary Chess Inc., New York, N. Y. Bottle. 99,650; May 12.
Rose, William, New York, N. Y. Textile fabric. 99,665; May 12.
Schwartz, Harold M., New York, N. Y. Combined table and cooking grill. 99,666; May 12.
Scurlock, Lewis H., Chicago, Ill. Storage cabinet. 99,607; May 12.
Scurlock, Lewis H., Chicago, Ill. Food container unit. 99,608; May 12.
Shyvers, Kenneth C., and Peter Jaskowiak, Chicago, Ill. Ash receiver. 99,667; May 12.
Siegler, Abraham J., Brooklyn, N. Y. Slipper. 99,609; May 12.
Siegler, Abraham J., Brooklyn, N. Y. Slipper. 99,610; May 12.
Squibb, E. R., & Sons. (See Werner, Stanton E., assignor.)
Storkline Furniture Corporation. (See Michal, James, assignor.)
Strauss, Ruth, New York, N. Y. Lamp. 99,589; May 12.
Sundberg, Carl W., and M. Ferar, assignors to Bulldog Electric Products Company, Detroit, Mich. Switch handle. 99,612; May 12.
Sundberg, Carl W., and M. Ferar, assignors to Bulldog Electric Products Company, Detroit, Mich. Switch handle. 99,612; May 12.
Sweet, Clifford I., Delphos, Ohio. Circular riding device. 99,613; May 12.
Tantz, Herbert E., assignor to Delta Manufacturing Company, Milwaukee, Wis. Saw gauge. 99,614; May 12.
Thomas, Norman M., Brooklyn, assignor to Joe Lowe Corporation, New York, N. Y. Confectionery product. 99,651; May 12.
Torongo, Albert H., New Rochelle, assignor to General Foods Corporation, New York, N. Y. Salt block. 99,590; May 12.
Turlansky, Abraham, New York, N. Y. Shoe. 99,631; May 12.
Vaughan, Howard A., Glencoe, Ill. Ax head. 99,635; May 12.
Wagner, Edward F., Philadelphia, Pa. Combined automobile and folding wing monoplane. 99,632; May 12.
Webde, Albert, Chicago, Ill. Knife or similar article. 99,652; May 12.
Weir, Walter J. (See Macon, A. E., and Weir.)
Weller, Ernest E. (See Felch, Carmen S., assignor.)
Werner, Stanton E., Highland Park, N. J., assignor to E. R. Squibb & Sons, New York, N. Y. Can or similar container. 99,615; May 12.
White, Morris, New York, N. Y. Handbag. 99,633; May 12.
Wick, André, assignor to Houbigant, Inc., New York, N. Y. Bottle. 99,634; May 12.
Wilde, Hans W., North Bergen, N. J. Textile fabric. 99,591; May 12.
Zetzmann, William G., assignor to Dr. Pepper Bottling Company, Inc., New Orleans, La. Bottle. 99,653; May 12.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 12TH DAY OF MAY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, John, trustees et al. (See Pratt, William B., assignor.)
Adams, James F. (See Nikitin, A. A., Myers, and Adams.)
Adams, John H., Seattle, Wash. Needle protector. 2,040,289; May 12.
Adamson, Percy, Rye, assignor to United States Rubber Company, New York, N. Y. Headwear. 2,040,456; May 12.
Adison, Edward A., Chicago, Ill. Screw driver. 2,040,723; May 12.
Adkins, Homer, Madison, Wis. Preparing contact catalysts. 2,040,233; May 12.
Adlake Company, The. (See Hagerty, Andrew T., assignor.)
Adlake Company, The. (See Hamm, William S., assignor.)
Adlake Company, The. (See Larson, Carl H., assignor.)
Ahlburg Company. (See Mumma, H. J., and Ahlburg, assignors.)
Ahlburg Company. (See Mumma, H. J., and Leonard, assignors.)
Ahlburg, Frank. (See Mumma, H. J., and Ahlburg.)
Air Reduction Company. (See Anderson, James L., assignor.)
Air Reduction Company. (See Schlitt, Joseph L., assignor.)
Air Reduction Company. (See Van Nuys, Claude C., assignor.)
Air Reduction Company. (See Wilkinson, W., and Schlitt, assignors.)
Ajax Electrothermic Corporation. (See Northrup, Edwin F., assignor.)
Akroyd, Harry W., Philadelphia, Pa. Ornamenting transparent articles. 2,040,163; May 12.
Aktiengesellschaft Brown Boveri & Cie. (See Kopellowitsch, Jakob, assignor.)
Alexander, Jay C. (See Casey, Hilton W., assignor.)
Almquist, Frank G., Mount Vernon, N. Y. Numeral clock. 2,040,421; May 12.
Aluminum Company of America. (See Mason, R. B., and Tosterud, assignors.)
Aluminum Company of America. (See Moore, George L., assignor.)
American Bemberg Corporation. (See Hardt, Gustav, assignor.)
American Bemberg Corporation. (See Hartmann, August, assignor.)
American Bitumuls Company. (See Watts, Vilas E., assignor.)
American Can Company. (See Ball, C. O., and Wilbur, assignors.)
American Can Company. (See Cortilet, Michael P., assignor.)
American Flange & Manufacturing Co. Inc. (See Jesevich, John P., assignor.)
American Laundry Machinery Company, The. (See Hanney, Angus F., assignor.)
American Lurgi Corporation. (See Sachs, G., and Burkhardt, assignors.)
American Lurgi Corporation. (See Siegens, H., and Roder, assignors.)
American Oxythermic Corporation. (See Fränkl, Mathias, assignor.)
American Sheet and Tin Plate Company. (See Lorig, Edwin T., assignor.)
American Smelting and Refining Company. (See Phillips A. J., and Swartz, assignors.)
American Smelting and Refining Company. (See Swartz, Carl E., assignor.)
American Steel and Wire Company of New Jersey, The. (See Fitzgibbon, Edward J., assignor.)
American Steel and Wire Company of New Jersey. (See Mardigian, S., and Rizzolla, assignors.)
American Telephone and Telegraph Company. (See Bown, Ralph, assignor.)
American Telephone and Telegraph Company. (See Coxhead, Harry B., assignor.)
American Telephone and Telegraph Company. (See Swart, Leland K., assignor.)
Anderson Company, The. (See Smulski, Theodore J., assignor.)
Anderson, Gustaf, Seattle, Wash. Saw swaging tool. 2,040,234; May 12.
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Making welded pipe or tubing. 2,040,164; May 12.
Anderson, John W., Gary, Ind. Indicator. 2,040,195; May 12.
Anderson, Otto, Paulsbo, Wash. Sanitary nest. 2,040,457; May 12.
Antioch Industrial Research Institute, Inc. (See Bucher, John E., assignor.)
Armour and Company. (See Jordan, Isaac N., assignor.)
Ash, Charles S., Royal Oak, assignor, by mesne assignments, to The Kelsey-Hayes Wheel Company, Detroit, Mich. Skeleton vehicle wheel. 2,040,541; May 12.
Ashton Valve Company, The. (See Baker, Harry S., assignor.)
Associated Electric Laboratories, Inc. (See Erickson, Charles J., assignor.)
Associated Electric Laboratories, Inc. (See Hershey, Harry E., assignor.)
Associated Electric Laboratories, Inc. (See Peterson, Seth, assignor.)
Associated Electric Laboratories, Incorporated. (See Voss, John H., assignor.)
Associated Electric Laboratories, Inc. (See Wicks, John, assignor.)
Astro Research Laboratories, Inc. (See Ostromislensky, Iwan, assignor.)
Atkinson, James S., London, England. Heat treatment of metal sheets. 2,040,724; May 12.
Audette, Joseph, Burlington, Vt. Deposit eliminator. 2,040,069; May 12.
Austin, Clyde B., Los Angeles, Calif. Focusing and finding attachment for cameras. 2,040,422; May 12.
Auto Research Corporation. (See Bijur, Joseph, assignor.)
Avery, Hugh B. (See Clayton, R. H., Williams, and Avery.)
Avery, William L., Thorley, Bishop's Stortford, England. Vehicle wheel. 2,040,589; May 12.
Avery, William L., Thorley, Bishop's Stortford, England. Regulator for fluid pressure systems. 2,040,590; May 12.
Backhus, Herman T., Glen Gardner, N. J. Building construction. 2,040,725; May 12.
Bacon, Charls B., Bridgeport, Conn. Culinary implement. 2,040,458; May 12.
Bacon, Raymond F., Bronxville, N. Y., and W. Judson, Newgulf, Tex. Recovery of sulphur. 2,040,682; May 12.
Bagshaw, Charles M., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Method and machine for sewing Sahara sandals. 2,040,459; May 12.
Bailey Meter Company. (See Barrett, Joseph M., assignor.)
Bakelite Limited. (See Chubb, Stanley E., assignor.)
Baker, Charles S., Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve assembly. 2,040,542; May 12.
Baker & Company. (See Livingstone, Stanley, assignor.)
Baker, Harry S., Arlington, assignor to The Ashton Valve Company, Cambridge, Mass. Gauge. 2,040,681; May 12.
Baldwin, Gerald L., San Diego, Calif. Garden shower and method of making. 2,040,165; May 12.
Balfe, George T. (See Diehl, L. H., and Balfe.)
Ball, Charles O., River Forest, and P. C. Wilbur, Oak Park, Ill., assignors to American Can Company, New York, N. Y. Method and apparatus for canning. 2,040,726; May 12.
Ballard, James M., et al. (See Hull, Dwight D., assignor.)
Baltimore Paint & Color Works, Inc. (See Levyne, Sidney A., assignor.)
Bannister, Bryant, Mount Lebanon, Pa., assignor to National Tube Company. Apparatus for forming tubular blanks. 2,040,764; May 12.
Barber, George H., New Rochelle, N. Y., and G. B. Pratt, Grantwood, assignors to Bond Electric Corporation, Jersey City, N. J. Flashlight. 2,040,423; May 12.
Barker, Lyle M. (See Fowler, M. G., and Barker.)
Barrett Company, The. (See Dillon, Joseph F., assignor.)
Barrett Company, The. (See Ellms, Edward H., assignor.)
Barrett Company, The. (See Miller, Stuart P., assignor.)
Barrett Company, The. (See Pearl, John W., assignor.)
Barrett Company, The. (See Radasch, Arthur H., assignor.)
Barrett, Joseph M., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Valve. 2,040,591; May 12.
Bassick Company, The. (See Claud-Mantle, Arthur, assignor.)
Bateholts, Clinton, assignor to Specialty Insulation Manufacturing Company, Inc., Hossick Falls, N. Y. Making weatherproof sockets. 2,040,235; May 12.
Baumhauer, Louie G., Birmingham, Ala. Roofing ridge roll. 2,040,290; May 12.

Baxter, Howard F., assignor to Baxter Laundries Corporation, Grand Rapids, Mich. Dial checked chart. 2,040,119; May 12.

Baxter Laundries Corporation. (See Baxter, Howard F., assignor.)

Bay State Optical Company. (See Nerney, George E., assignor.)

Beatty, Floyd A., Pittsburgh, assignor to Lewis Foundry & Machine Company, Groveton, Pa. Rolling mill. 2,040,543; May 12.

Beck, Bronssais C., Seattle, Wash. Closure cap for dispensing tubes and the like. 2,040,638; May 12.

Becker, Christopher A., Nutley, N. J., assignor to The Torsion Balance Company, New York, N. Y. Balance or weighing scale. 2,040,639; May 12.

Becker, Karl, Berlin-Lichterfelde-Ost, Germany, assignor to Wolfram & Molybdaen A.-G., Zurich, Switzerland. Sintered hard metal alloy for tools and similar articles. 2,040,592; May 12.

Becker, Wilhelm, Cologne-Mulheim, L. Orthner, Leverkusen-I, G. Werk, and A. Bömer, Impach, near Opladen, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of rubber conversion products. 2,040,460; May 12.

Beckwith Manufacturing Company. (See Lovell, Stanley P., assignor.)

Bedford, Frederick G. H., and C. D. Gibb, assignors to C. A. Parsons and Company, Limited, Newcastle-on-Tyne, England. Hollow turbine blade. 2,040,640; May 12.

Beegle, Raymond E., East St. Louis, Ill. Fastening device. 2,040,510; May 12.

Bekius, Nicholas, assignor to Robert W. Irwin Company, Grand Rapids, Mich. Extension table. 2,040,593; May 12.

Bell Telephone Laboratories, Incorporated. (See Benoni, Felix A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Kemp, Archie R., assignor.)

Bell Telephone Laboratories, Incorporated. (See Lamberty, F. R., and Van Damme, assignors.)

Bell Telephone Laboratories, Incorporated. (See Reynolds, John N., assignor.)

Bendix-Westinghouse Automotive Air Brake Company. (See Vorech, Stephen, assignor.)

Benner, Raymond C., and G. J. Easter, assignors to The Carborundum Company, Niagara Falls, N. Y. Making bonded silicon carbide refractories. 2,040,236; May 12.

Benner, Russell E., Buffalo, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 2,040,424; May 12.

Bennett, Stevens A., assignor to Wilson & Bennett Manufacturing Company, Chicago, Ill. Pouring spout. 2,040,800; May 12.

Bergman, Harry, et al. (See Looney, William R., assignor.)

Bernstein, Charles A. (See Leiner, G. S., and Bernstein.)

Berrisford, William H., Longton, Stoke-on-Trent, England. Apparatus for separating sized mixtures of material. 2,040,196; May 12.

Berthon, Rodolphe, Neuilly-sur-Seine, France, assignor, by mesne assignments, to Kislyn Corporation, New York, N. Y. Obtainment of photographic sound films. 2,040,237; May 12.

Best, John G., et al. (See Smith, Nelson P., assignor.)

Bethlehem Steel Company. (See Nieman, Henry W., assignor.)

Bettendorf Company, The. (See Lewis, Frank W., assignor.)

Black, John L., New Haven, Conn., assignor to The Engineering and Research Corporation. Control mechanism. 2,040,425; May 12.

Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Centralized lubrication. 2,040,076; May 12.

Billing, Wyly M., Hopewell, Va., assignor to Hercules Powder Company, Wilmington, Del. Production of cellulosic materials from waste cellulose products. 2,040,801; May 12.

Bingham, John D., Dayton, Ohio., assignor by mesne assignments to General Motors Corporation. Refrigeration. 2,040,641; May 12.

Binlek, Georg, assignor to Telephon-Apparat-Fabrik E. Zwietusch & Co. G. m. b. H., Berlin-Charlottenburg, Germany. Electric safety razor. 2,040,683; May 12.

Birdsboro Steel Foundry & Machine Company. (See Martin, Mark H., assignor.)

Birkigt, Louis, Bois-Colombes, France. Mechanism for the tripping or release of movable organs. 2,040,197; May 12.

Bishop, Frederic L., Fox Chapel Manor, Pa. Manufacture of laminated glass. 2,040,238; May 12.

Bixby, Leo A., assignor to Fuller Manufacturing Company, Kalamazoo, Mich. Remote control for transmissions. 2,040,594; May 12.

Black, Willy. (See Kruckenberg, F., Stedefeld, and Black.)

Blaw-Knox Company. (See McCrery, Harold E., assignor.)

Blevenheuft, Charles, assignor to Compagnie Internationale des Cuirs Comprimes Attila C. I. C. C. A. Societe Anonyme, Brussels, Belgium. Manufacturing reconstituted compressed leather and product obtained thereby. 2,040,511; May 12.

Block, Harold C. (See Layne, L. A., and Block.)

Blömer, Alfred. (See Becker, W., Orthner, and Blömer.)

Blue, Arthur A., Sewickley, Pa. Valve. 2,040,727; May 12.

Board of Trustees of The University of Illinois. (See Grant, Francis R., assignor.)

Bockmühl, Max, Frankfort-on-the-Main, and A. Fehrle, Bad Soden-on-the-Taunus, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Salts of organic arsonic acids with acridine compounds. 2,040,070; May 12.

Bodmer, Albert, Wattwil, Switzerland, assignor by mesne assignments, to Para Fabrics Corporations, New York, N. Y. Producing textiles. 2,040,784; May 12.

Bolis, Peter, West Orange, N. J. Combination lock. 2,040,120; May 12.

Bonanno, Joseph L., Forest Hills, N. Y., assignor to Radio Corporation of America. Constant band width receiver. 2,040,426; May 12.

Bond, Charles. (See Bowen, James, assignor.)

Bond Electric Corporation. (See Barber, G. H., and Pratt, assignors.)

Bonfils, Fred W., et al. (See Eader, William H., assignor.)

Bonney, Robert D., Glen Ridge, and W. S. Egge, West Orange, N. J., assignors to Congoleum-Nairn Inc. Drying oil composition. 2,040,461; May 12.

Bonomi, Felix A., St. Albans, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,040,291; May 12.

Bossert Company, The. (See Seitz, Charles, assignor.)

Bossert, Paul N., assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for railway train communication systems. 2,040,198; May 12.

Bowen, James, Mannheim, assignor to C. Bond, Philadelphia, Pa. Shock absorbing caster. 2,040,121; May 12.

Bown, Ralph, Maplewood, N. J., assignor to American Telephone and Telegraph Company. Selective signaling system. 2,040,462; May 12.

Boynjian, Aram, Pittsfield, Mass., assignor to General Electric Company. Electric circuit control means. 2,040,684; May 12.

Boyce, Erskine E., assignor to The Boysell Company, Gastonia, N. C. Multiple needle sewing machine. 2,040,427; May 12.

Boys, Charles V., London, England. Gas delivery apparatus. 2,040,199; May 12.

Boysell Company, The. (See Boyce, Erskine E., assignor.)

Bradley Washfountain Company. (See Mullett, H. A., and Heine, assignors.)

Brainard, George C., assignor to The General Fireproofing Company, Youngstown, Ohio. Drawer and spacer plate combination. 2,040,595; May 12.

Brandt, John E., Ridley Park, Pa. Oil burner. 2,040,544; May 12.

Bray, Ulric B., Palos Verdes Estates, and C. E. Swift, Glendale, assignors to Union Oil Company of California, Los Angeles, Calif. Production of lubricating oils. 2,040,239; May 12.

Brayton, John C. (See Loe, Ira G., assignor.)

Brendel, Max E., assignor to Streeter-Amet Company, Chicago, Ill. Electrically controlled weight indicating mechanism for weighing scales. 2,040,071; May 12.

Brendel, May E., assignor to Streeter-Amet Company, Chicago, Ill. Weight indicating mechanism and the like. 2,040,072; May 12.

Brendel, Max E., assignor to Streeter-Amet Company, Chicago, Ill. Weighing apparatus. 2,040,073; May 12.

Brenholm, Nels, assignor of one-third to R. M. Wright, Stevenson, and one-third to G. Guyette, Cook, Wash. Jack hammer bit. 2,040,074; May 12.

Brenkert, Karl, assignor to The Brenkert Light Projection Company, Detroit, Mich. Arc regulator. 2,040,596; May 12.

Brenkert Light Projection Company, The. (See Brenkert, Karl, assignor.)

Briggs & Stratton Corporation. (See Fitz Gerald, John W., assignor.)

Briggs & Stratton Corporation. (See Jacobi, Edward N., assignor.)

Britton, Edgar C., R. P. Perkins, and J. T. Lundquist, assignors to The Dow Chemical Company, Midland, Mich. Preparation of aryl-mercuric nitrates and a product thereof. 2,040,765; May 12.

Brouse, William H. D., Toronto, Ontario, assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa. Fluid dispensing device. 2,040,815; May 12.

Brower, Paul V., Maywood, Ill., assignor to Ditto, Incorporated. Transfer process. 2,040,075; May 12.

Brown, H. Brainard, assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 2,040,292; May 12.

Brown-McLaren Manufacturing Company. (See Kopsch, Herbert E., assignor.)

Browne, George T., Trenton, N. J., assignor to John A. Roebling's Sons Company, New York, N. Y. Rope thimble. 2,040,642; May 12.

Brueckl, John, Union City, N. J. Seat covering device. 2,040,463; May 12.

Bucher, John E., Fort Lee, N. J., assignor to Antioch Industrial Research Institute, Inc., Yellow Springs, Ohio. Recovery of beryllium. 2,040,804. May 12.

Buckeye Steel Castings Company, The. (See Orr, Claude L., assignor.)

Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing axle. 2,040,802; May 12.

Buckwalter, Tracey V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Bearing lubrication. 2,040,803; May 12.

Bucyrus-Erie Company. (See Fykse, M. L., and Woodhull, assignors.)

Bucyrus-Erie Company. (See Thornburg, Herbert W., assignor.)

Buhl, Cay P. (See Stevens, W. W., and Buhl.)

Bulmer, Ernest R., Great Falls, Mont. Trailer brake. 2,040,728; May 12.

Bunting Brass & Bronze Company, The. (See Yager, George F., assignor.)

Bunting Glider Company. (See Kirstein, Jacob, assignor.)

Burkhardt, Arthur. (See Sachs, G., and Burkhardt.)

Burnley, Robert C., Louisville, Ky. Table and book ledge. 2,040,077; May 12.

Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake beam support. 2,040,512; May 12.

Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Brake beam support. 2,040,513; May 12.

Butcher, Henry J., assignor to The Leyland and Birmingham Rubber Company, Limited, Leland, near Preston, England. Fluid valve. 2,040,356; May 12.

Byers, A. M., Company. (See Story, E. B., and Case, assignors.)

Byers, Edwin H., Jefferson, Pa. Dispenser caps for containers. 2,040,545; May 12.

Cameron, James A., Brooklyn, N. Y., and R. M. Johnstone, Short Hills, N. J., assignors to Cameron Machine Company, Brooklyn, N. Y. Speed controlling and braking means. 2,040,464; May 12.

Cameron Machine Company. (See Cameron, J. A., and Johnstone, assignors.)

Candas, Gaston, New York, N. Y. Jewelry. 2,040,428; May 12.

Canfield, Robert H., and H. Kaiser, Washington, D. C. Lead alloy. 2,040,078; May 12.

Caradine Hat Company. (See Witcoff, Edward, assignor.)

Carborundum Company, The. (See Benner, R. C., and Easter, assignors.)

Card, William C., Jr., Winthrop, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y. Positioning gauge. 2,040,122; May 12.

Carpenter-Hiatt Sales Co. (See Graham, G. H., and Robertson, assignors.)

Carroll, William M. (See Sadgebury, H. F., and Carroll.)

Carter, Edward B., Lexington, Mass. Coin detecting apparatus for coin operated telephones and the like. 2,040,166; May 12.

Carter, Philip S., Port Jefferson, Long Island, N. Y., assignor to Radio Corporation of America. Reversible beam system. 2,040,079; May 12.

Case, William T. (See Story, E. B., and Case.)

Casey, Hilton W., Boothwyn, assignor, by mesne assignments, of one-half to J. C. Alexander, Media, Pa. Recovery of caustic hydroxide from waste solutions. 2,040,805; May 12.

Ceccarini, Olindo O., Beverly Hills, assignor to Metro-Goldwyn-Mayer Corporation, Culver City, Calif. Improved motion picture camera. 2,040,244; May 12.

Cedar Rapids Engineering Company. (See Dunn, Allen L., assignor.)

Central United National Bank, trustee. (See Sadgebury, H. F., and Carroll, assignors.)

Chadwick, Everett D., et al, trustees. (See Pratt, William B., assignor.)

Chalatow, Leon S., Boston, assignor to P. A. Jerguson, Medford, Mass. Apparatus for indicating the height of liquid in receptacles. 2,040,357; May 12.

Chambers, Karl D., Montgomery, Ala. X-ray differentiation between substances in poly-color. 2,040,685; May 12.

Chambless, Ersyl F. (See Fay, Joseph W., assignor.)

Chandler, Henry T., New York, N. Y. Piston. 2,040,293; May 12.

Chappell, Eugene L., Pittsburgh, Pa., assignor to National Tube Company. Pipe coupling. 2,040,766; May 12.

Charles, Hubert N., and H. E. C. Cousins, assignors to The M. G. Car Company Limited, Abingdon-on-Thames, England. Vehicle brake. 2,040,200; May 12.

Chase Companies, The. (See Recker, Adolph C., assignor.)

Chase Companies, The. (See Shoemaker, Richard W., assignor.)

Cheshire, Edward, East Cleveland, Ohio, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Planetary printing press. 2,040,686; May 12.

Chicago Electric Manufacturing Company. (See Gough, James J., assignor.)

Chicago Railway Equipment Company. (See Busse, Edwin G., assignor.)

Chilton, Roland, Ridgewood, N. J., assignor, by mesne assignments, to The Reed Propeller Co., Inc., Garden City, N. Y. Connecting rod. 2,040,465; May 12.

Chisholm, Theodore L., Pleasant Ridge, Mich., assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,040,597; May 12.

Christy, William O., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Universal clamp. 2,040,466; May 12.

Chubb, Stanley E., Greet, Birmingham, assignor to Bakelite Limited, London, England. Resinous composition. 2,040,687; May 12.

Cincinnati Traction Bldg. Company, The. (See Schoepf, T. H., and Ritchie, assignors.)

Clark, Kenneth H., et al. (See Schulz, E. Fred, assignor.)

Claud-Mantle, Arthur, Trumbull, assignor to The Bassick Company, Bridgeport, Conn. Hood catch. 2,040,392; May 12.

Clay, George H., Kansas City, Mo. Quick opening truck tank plug. 2,040,358; May 12.

Clayton, Robert H., H. E. Williams, and H. B. Avery, assignors to The Manchester Oxide Company, Limited, Manchester, England. Purification and extraction of sulphur bearing material. 2,040,359; May 12.

Clifford, Albert M., Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Preparing formaldehyde derivatives of 1-mercaptothiazoles. 2,040,467; May 12.

Clifford, Vernon J., assignor to Safety Bumpers Limited, London, England. Lifeguard for vehicles. 2,040,360; May 12.

Cline, Joseph K. (See Major, R. T., and Cline.)

Coberly, Clarence J., and R. G. Wulff, Los Angeles, Calif., said Wulff assignor of one-half of his right to said Coberly. Process of butt-welding. 2,040,240; May 12.

Coe, George B., Waterbury, Conn., assignor, by mesne assignments, to Tube Reducing Corporation, Wilmington, Del. Method and apparatus for shaping stock. 2,040,361; May 12.

Cohen, Adolph, Brooklyn, N. Y. Doll. 2,040,201; May 12.

Cole, Dale S., Cleveland Heights, assignor, by mesne assignments, to The Leece-Neville Company, Cleveland, Ohio. Electric generating system. 2,040,468; May 12.

Cole, Dale S., Cleveland Heights, and L. S. Speth, assignors to The Leece-Neville Company, Cleveland, Ohio. Electric generating system. 2,040,469; May 12.

Cole, Dale S., Cleveland Heights, and L. S. Speth, assignors to The Leece-Neville Company, Cleveland, Ohio. Electric generating system and apparatus. 2,040,470; May 12.

Collins, Harold F., assignor to H. D. Colman, Rockford, Ill. Overhead door. 2,040,080; May 12.

Colman, Howard D. (See Collins, Harold F., assignor.)

Compagnie Internationale des Cuirs Comprimes Attila C. I. C. C. A. Societe Anonyme. (See Bleyenheuft, Charles assignor.)

Compania Salitrera Anglo Chilena (Anglo Chilean Nitrate Corporation). (See Freed, Edgar S., assignor.)

Compo Shoe Machinery Corporation. (See Card, William C., Jr., assignor.)

Conde, José L., Buenos Aires, Argentina. Bottle closure. 2,040,362; May 12.

Congoleum-Nairn Inc. (See Bonney, R. D., and Egge, assignors.)

Conty, Augusto, Fairview, N. J. Window cleaning device. 2,040,644; May 12.

Cook, Norman, Manchester, England. Weaver's knotter. 2,040,546; May 12.

Cook, Stanley S., and L. M. Douglas, Turbinia Works, Wallsend-on-Tyne, assignors to The Parsons Marine Steam Turbine Company, Limited, Wallsend-on-Tyne, England. Power installation. 2,040,643; May 12.

Coolidge, Charles H., assignor to Curtis & Marble Machine Company, Worcester, Mass. Cloth shearing machine. 2,040,295; May 12.

Coolidge, Charles H., and E. H. Marble, assignors to Curtis & Marble Machine Company, Worcester, Mass. Cloth shearing machine. 2,040,294; May 12.

Corke, Ruloff D., Yonkers, N. Y. Rotary element seal. 2,040,429; May 12.

Cornell, Robert V., et al. (See Hull, Dwight D., assignor.)

Cornwell, Charles O., San Marino, Calif. Insulated car with air circulating chamber. 2,040,296; May 12.

Cortilet, Michael P., Chicago, Ill., assignor to American Can Company, New York, N. Y. Shipping and display container. 2,040,241; May 12.

Costantini, Oreste, Philadelphia, Pa. Necktie. 2,040,297; May 12.

Couetoux, Henri C. (See Mallet, C., and Couetoux.)

Courmettes, Henry A., Brooklyn, N. Y. Surfacing solid bifocal lenses. 2,040,242; May 12.

Courtaulds Limited. (See Robertson, Stewart, assignor.)

Cousins, Henry E. C. (See Charles, H. N., and Cousins.)

Cousins, Henry E. C., assignor of one-half to The M. G. Car Company Limited, Abingdon-on-Thames, England. Vehicle brake. 2,040,202; May 12.

Coward, Harold W., Kenmore, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Separation of dinitrobenzene isomers. 2,040,123; May 12.

Coxhead, Harry B., Plainfield, N. J., assignor to American Telephone and Telegraph Company. Selective signaling system. 2,040,471; May 12.

Crawford, Roland A., La Mesa, Calif. Tooth brush. 2,040,245; May 12.

Crocker, Ernest C., Belmont, and L. F. Henderson, Reading, Mass., assignors to A. D. Little, Incorporated, Cambridge, Mass. Stabilizing soap. 2,040,430; May 12.

Cronyn, Vincent J., and U. Peruzzini, Buffalo, N. Y. Apartment stove. 2,040,598; May 12.

Crop Protection Institute. (See Nikitin, A. A., Myers, and Adams, assignors.)
Crosby, Edwin L., assignor to Detroit Electric Furnace Company, Detroit, Mich. Slag and agitation heat treatment of metals. 2,040,167; May 12.
Crum, Henry C., Denmark, S. C. Advertising apparatus. 2,040,363; May 12.
Cummings, Roy W., and L. G. Knowles, Beverly, and A. Eppler, Jr., Swampscott, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping uppers over lasts. 2,040,124; May 12.
Curtis, Harry A., Knoxville, Tenn., assignor to Tennessee Valley Authority, Wilson Dam, Ala. Agglomerating fine phosphate rock. 2,040,081; May 12.
Curtis & Marble Machine Company. (See Coolidge, C. H., and Marble, assignors.)
Curtis, William H. (See Saarinen, A. J., and Curtis.)
Curtiss Aeroplane & Motor Company. (See Osborn, Robert R., assignor.)
Cuthrie, George G., Tulsa, Okla. Pressure alarm. 2,040,375; May 12.
Cutler-Hammer, Inc. (See Richardson, Linwood T., assignor.)
Cutting, Herbert A., assignor to Cutting Sales Engineering Co., Detroit, Mich. Windshield defrosting device. 2,040,125; May 12.
Cutting Sales Engineering Co. (See Cutting, Herbert A., assignor.)
Dake, Charles W., Chicago, Ill. Electric light. 2,040,243; May 12.
Davies, James O., St. Louis, Mo. Superfluous hair remover. 2,040,599; May 12.
Davis, Jesse H., Baltimore, Md. Method of and apparatus for treating grain for extermination of insect life therein. 2,040,660; May 12.
Dayton Rubber Mfg. Company, The. (See Ritzert, Norman J., assignor.)
Dealey, William L. (See Dvorak, A., and Dealey.)
Dean, Dion K., Rahway, and E. N. Sieder, Elizabeth, N. J., assignor to Foster Wheeler Corporation, New York, N. Y. Fractionating apparatus. 2,040,431; May 12.
Dean, Oscar M., Sioux City, Iowa. Cutting fur. 2,040,364; May 12.
De Bats, Jean H. L., East Orange, N. J. Apparatus for making powdered metals. 2,040,168; May 12.
De Bernardi, Albert, Jr., et al. (See Eader, William H., assignor.)
De Cissey, Pierre, Vesoul, France. Apparatus for drying wood and the like. 2,040,729; May 12.
De Juhasz, Kalman J., State College, Pa. Engine pressure indicator. 2,040,082; May 12.
Delamere Company. (See Goodman, Abraham, assignor.)
Delany, Albanus G., Alabama City, Ala., assignor to Gulf States Steel Company. Catcher. 2,040,169; May 12.
Delta Manufacturing Company. (See Tautz, Herbert E., assignor.)
Detroit Electric Furnace Company. (See Crosby, Edwin L., assignor.)
Detroit Gasket & Mfg. Co. (See Diehl, L. H., and Balfe, assignors.)
Di Archangel, Nicholas. (See Mancini, J., and Di Archangel.)
Dickinson, Fredrick S., New York, N. Y. Noncollapsible tire. 2,040,645; May 12.
Dictaphone Corporation. (See Renholdt, John E., assignor.)
Diehl, Lloyd H., and G. T. Balfe, assignors to Detroit Gasket & Mfg. Co., Detroit, Mich. Upholstery installation and making same. 2,040,365; May 12.
Dieman, Roy A., Okmulgee, Okla. Table. 2,040,432; May 12.
Dietrich, Anton, assignor to the firm Grazer Waggon- und Maschinenfabriks-Actiengesellschaft vormals Joh. Weitzer, Graz, Styria, Austria. Automatic brake shoe pressure adjusting apparatus for railway vehicles. 2,040,203; May 12.
Dillon, Joseph F., Philadelphia, Pa., assignor to The Barrett Company, New York, N. Y. Saturating kettle. 2,040,514; May 12.
Ditto, Incorporated. (See Brower, Paul V., assignor.)
Ditto, Incorporated. (See Marchev, Alfred, assignor.)
Doherty Research Company. (See Morgan, John D., assignor.)
Dominion Bridge Company. (See Shearwood, Frederick P., assignor.)
Donoher, Edith P., Salt Lake City, Utah. Support and hair covering for ear-phones. 2,040,246; May 12.
Doser, Arnold. (See Orthner, L., and Doser.)
Douglas, Harry A. (See Drury, Thomas W., assignor.)
Douglas, Horace L., New Britain, Conn. Oil burner. 2,040,298; May 12.
Douglas, Louis M. (See Cook, S. S., and Douglas.)
Dow Chemical Company, The. (See Britton, E. C., Perkins, and Lundquist, assignors.)
Druge, Daniel O. and O. C., Oakland, Calif. Tire inflator and gauge. 2,040,299; May 12.
Druge, Otto C. (See Druge, Daniel O. and O. C.)
Drury, Thomas W., assignor to H. A. Douglas, Bronson, Mich. System of electrical distribution. 2,040,688; May 12.
Dudley, Wray, Mount Lebanon, Pa., assignor to National Tube Company. Method and apparatus for coating pipes and tubes. 2,040,767; May 12.
Duffaud, Suzanne A., Paris, France. Suction and force pump. 2,040,433; May 12.
Dubain, Ernest, Croix, France, assignor to International Harvester Company. Rake bar and tooth mounting. 2,040,689; May 12.
Dultgen, Arthur, Queens Village, N. Y. Gravure printing process. 2,040,247; May 12.
Dunn, Allen L., assignor to Cedar Rapids Engineering Company, Cedar Rapids, Iowa. Chuck. 2,040,601; May 12.
Du Pont, E. I., de Nemours & Company. (See Etzelmiller, Robert E., assignor.)
Dvorak, August, and W. L. Dealey, Seattle, Wash. Typewriter keyboard. 2,040,248; May 12.
Eader, William H., assignor of one-third to F. W. Bonfils, and one-third to A. De Bernardi, Jr., Denver, Colo. Producing artist's material. 2,040,170; May 12.
Easter, George J. (See Benner, R. C., and Easter.)
Eastman Kodak Company. (See Malm, C. J., and Fordyce, assignors.)
Eberts, Edward C. (See Schmidt, J., and Eberts.)
Eden, Harold W., Chicago, Ill., assignor to Triple-A Specialty Company. Thermohydrometer. 2,040,547; May 12.
Edgar, Louis C., Swissvale, Pa. Open-hearth furnace. 2,040,472; May 12.
Edison General Electric Appliance Company. (See Shroyer, Jacob L., assignor.)
Edwards, Donald V., Montclair, N. J., assignor to Electrons, Incorporated of Delaware. Electrical standard. 2,040,768; May 12.
Edwards, Herbert C., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 2,040,300; May 12.
Egge, Walter S. (See Bonney, R. D., and Egge.)
Egloff, Gustav. (See Morrell, J. C., and Egloff.)
Egloff, Gustav, and J. C. Morrell, assignors to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,040,366; May 12.
Egyesult Izzolampa es Villamossagi rt. (See Selényi, Paul, assignor.)
Eichelman, William H., Des Plaines, and E. E. Hall, Chicago, Ill., said Hall assignor to said Eichelman. Expansion joint. 2,040,367; May 12.
Eitel, William W., San Bruno, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Glass working apparatus. 2,040,602; May 12.
Electrical Patent Holding Corporation. (See Johnson, Gustave A., assignor.)
Electro-Chemical Engineering Corporation. (See Gunderson, Lewis O., assignor.)
Electrons, Incorporated of Delaware. (See Edwards, Donald V., assignor.)
Elliott, Earle C., and R. Winberg, assignors to Hazelwyn, Inc., Providence, R. I. Earring. 2,040,083; May 12.
Ellison, Carl E. (See Karlsson, Edvin A., assignor.)
Ellms, Edward H., Fairlawn, N. J., assignor to The Barrett Company, New York, N. Y. Extraction of tar acids. 2,040,084; May 12.
Emanueli, Luigi, assignor to Società Italiana Pirelli, Milan, Italy. Maintaining fluid pressure in sheathed electric cables. 2,040,204; May 12.
Engineering and Research Corporation, The. (See Black, John L., assignor.)
Engman, Roy F., and S. E. Taylor, Dallas, Tex. Making apparel waist bands. 2,040,730; May 12.
Eppenstein, Otto, assignor to the firm of Carl Zeiss, Jena, Germany. Sight line horizon determining means. 2,040,171; May 12.
Eppler, Andrew, Jr. (See Cummings, R. W., Knowles, and Eppler.)
Epstein, Albert K., and B. R. Harris, Chicago, Ill., assignors to Standard Brands, Incorporated, New York, N. Y. Retarding staling of yeast leavened bread. 2,040,249; May 12.
Erickson, Charles J., Lake Zurich, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Indicating device. 2,040,646; May 12.
Erie City Iron Works. (See Kaemmerling, Gustav H., assignor.)
Ernst, Walter, Mount Gilead, Ohio, assignor, by mesne assignments, to The Hydraulic Press Corporation, Inc., Wilmington, Del. Hydraulic metal drawing press and shaping metal articles. 2,040,731; May 12.
Ervin, Thomas C., Chattanooga, Tenn. Boiler. 2,040,434; May 12.
Esch, Joseph F., Port Neches, Tex., assignor to The Texas Company, New York, N. Y. Drum making machine. 2,040,785; May 12.
Etablissements Jacob Delafon Compagnie Ceramique de Pouilly-sur-Saone et Belvoye. (See Mallet, C., and Couetoux, assignors.)
Etzelmiller, Robert E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Azo dyestuffs and preparing the same. 2,040,473; May 12.
Eulberg, Henry, Ocean Beach, Calif., assignor to L. D. Eulberg. Battery terminal clamp. 2,040,250; May 12.
Eulberg, Louise D. (See Eulberg, Henry, assignor.)
Evans Stamping and Plating Company. (See Ware, Walter C., assignor.)

Fabry, Herman, Evanston, Ill. Photograph display apparatus. 2,040,251; May 12.
Faessler, J., Mfg. Co., The. (See Maupin, Graves R., assignor.)
Fanner Manufacturing Company, The. (See Raible, Charles G., assignor.)
Farrington, William H., Chicago, Ill. Golf club head. 2,040,252; May 12.
Fay, Joseph W., Villa Park, Ill., assignor of one-half to E. F. Chambless, Chicago, Ill. Roller shade mechanism. 2,040,301; May 12.
Federal Container Company. (See Usinger, Matthias C., assignor.)
Fehrle, Alfred. (See Bockmühl, M., and Fehrle.)
Feigl, Fritz, Vienna, Austria. Substances containing silver and producing the same. 2,040,806; May 12.
Feldman, Frank, et al. (See Siegel, Samee.)
Feldman, Herman. (See Lewis, N., and Feldman.)
Feldman, Jack, et al. (See Siegel, Samee, assignor.)
Fenninger, Carl W., trustee. (See Huguenard, Eugène A., assignor.)
Fernández, Alejandro G., Mexico, D. F., Mexico, assignor to Gaf Manufacturing Corporation, New York, N. Y. Oil burner. 2,040,089; May 12.
Fischer, Erich, Bad Soden-on-the-Taunus, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Azo-dyestuffs containing chromium and preparing them. 2,040,368; May 12.
Fischer, William H., assignor to Knapp-Monarch Company, St. Louis, Mo. Electrical appliance. 2,040,369; May 12.
Fisher, W. Reuen, Frankenmuth, Mich. Hardening metal. 2,040,370; May 12.
Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Automatic primer for internal combustion engines. 2,040,253; May 12.
Fitz Gerald, John W., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Carburetor. 2,040,254; May 12.
Fitzgibbon, Edward J., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. Mooring line. 2,040,769; May 12.
Floyd-Wells Company, The. (See Schneider, Frank H., assignor.)
Fodor, George J., South Norwalk, Conn. Stapling machine. 2,040,647; May 12.
Food Machinery Corporation. (See Schmidt, J., assignor, and Eberts.)
Ford, John L., assignor to The Ford Meter Box Company, Wabash, Ind. Meter insulation. 2,040,786; May 12.
Ford Meter Box Company, The. (See Ford, John L., assignor.)
Fordyce, Charles R. (See Malm, C. J., and Fordyce.)
Forges et Ateliers de Constructions Electriques de Jeumont Société Anonyme. (See Leroy, Louis, assignor.)
Fortes, James A., St. Louis, Mo. Egg holder. 2,040,648; May 12.
Fortes, James A., St. Louis, Mo. Egg holder. 2,040,649; May 12.
Fortier, Carolus, Outremont, Quebec, Canada. Process of and apparatus for atomizing liquids. 2,040,302; May 12.
Foster, Fred L., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Die and producing the same. 2,040,172; May 12.
Foster, Thomas J., Ridgewood, N. J. Manufacture of cementitious panels. 2,040,732; May 12.
Foster, Vernay Corporation. (See Vernet, Sergius, assignor.)
Foster Wheeler Corporation. (See Dean, D. K., and Sieder, assignors.)
Fowler, Morris G., and L. M. Barker, Clarkdale, Ariz., assignors, by mesne assignments, to Phelps Dodge Corporation, New York, N. Y. Treatment of steel. 2,040,515; May 12.
Fox, Ansley H., Pleasantville, N. J., assignor to Inventions Holding Corporation. Ignition element for self-lighting cigarettes and the like. 2,040,733; May 12.
Fränkl, Mathias, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y. Ore smelting and reduction process. 2,040,650; May 12.
Fränkl, Mathias, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y. Ore smelting and reduction process. 2,040,651; May 12.
Fredrickson, Frank L. (See Moos, L. P., and Fredrickson.)
Freed, Edgar S., Norfolk, Va., assignor to Compania Salitrera Anglo Chilena (Anglo Chilean Nitrate Corporation). Treatment of nitrate-bearing material. 2,040,548; May 12.
Freyn Engineering Company. (See Rice, Owen R., assignor.)
Frost, John G. G., assignor to The National Smelting Company, Cleveland, Ohio. Melting and holding furnace. 2,040,787; May 12.
Frost, John G. G., assignor to The National Smelting Company, Cleveland, Ohio. Melting and holding furnace. 2,040,788; May 12.
Fuller Company. (See Lenhart, Herbert S., assignor.)
Fuller Manufacturing Company. (See Bixby, Leo A., assignor.)
Fyke, Mitchell L., South Milwaukee, and M. J. Woodhull, Milwaukee, assignors to Bucyrus-Erie Company, South Milwaukee, Wis. Dipper tooth. 2,040,085; May 12.
Gaf Manufacturing Corporation. (See Fernández, Alejandro G., assignor.)
Gallagher, Irving J., Elizabeth, N. J. Visual indicator for aircraft radio beacon systems. 2,040,734; May 12.
Gamewell Company, The. (See Weld, Foster E., assignor.)
Gammeter, John R., Akron, Ohio, assignor to United States Rubber Company, New York, N. Y. Method and apparatus for making sheet rubber. 2,040,549; May 12.
Gammeter, John R., Akron, Ohio, assignor to United States Rubber Company, New York, N. Y. Apparatus for making continuous strip material. 2,040,550; May 12.
Gaty, John P., New York, N. Y. Variable compression system for internal combustion engines. 2,040,652; May 12.
Gaylord, Laurence T., Upper Montclair, N. J. Cutter for dredges. 2,040,303; May 12.
Geib, Robert U., Jr., Edgewood, Pa. Apparatus for processing metal workpieces. 2,040,474; May 12.
Geib, Robert U., Jr., Edgewood, Pa. Apparatus for processing tubular metal workpieces. 2,040,475; May 12.
Geib, Robert U., Jr., Edgewood, Pa. Apparatus for processing metal workpieces. 2,040,476; May 12.
Geib, Robert U., Jr., Edgewood, Pa. Apparatus for processing tubular metal workpieces. 2,040,477; May 12.
Geissman, Theodore A. (See Kuentzel, W. E., and Geissman.)
General Aniline Works, Inc. (See Fischer, Erich, assignor.)
General Aniline Works, Inc. (See Honold, E., and Müller, assignors.)
General Aniline Works, Inc. (See Morschel, Heinrich, assignor.)
General Aniline Works, Inc. (See Nicodemus, O., and Schmidt, assignors.)
General Aniline Works, Inc. (See Rittinghausen, C. M., and Haynn, assignors.)
General Aniline Works, Inc. (See Zitscher, Arthur, assignor.)
General Electric Company. (See Boyajian, Aram, assignor.)
General Electric Company. (See Halvorson, Cromwell A. B., assignor.)
General Electric Company. (See Severance, S. W., and Kessler, assignors.)
General Electric Company. (See Suits, Chauncey G., assignor.)
General Electric Company. (See Summers, Claude M., assignor.)
General Fireproofing Company, The. (See Brainard, George C., assignor.)
General Motors Corporation. (See Bingham, John D., assignor.)
General Motors Corporation. (See Chisholm, Theodore L., assignor.)
General Motors Corporation. (See Hull, Harry B., assignor.)
General Motors Corporation. (See Large, Samuel R., assignor.)
General Motors Corporation. (See Stevens, Clarence C., assignor.)
General Plastics, Inc. (See Norton, A. J., and Less, assignors.)
General Plate Company. (See Spencer, John A., assignor.)
General Spring Bumper Corporation. (See Jandus, Herbert S., assignor.)
George, Frank L., Glendale, Calif. Key and key frame for grand pianos. 2,040,304; May 12.
Gerdts, Gustav F., Bremen, Germany. Steam trap. 2,040,735; May 12.
Gibb, Claude D. (See Bedford, F. G. H., and Gibb.)
Girard Manufacturing Company, The. (See McKelge, Edward E., assignor.)
Gladstone, William D., New York, N. Y. Hammer for percussion musical instruments. 2,040,603; May 12.
Glaum, John C., Jr., and F. Stoneberg, Chicago, Ill. Gas cutting machine. 2,040,478; May 12.
Globar Corporation, The. (See Heyroth, Albert H., assignor.)
Glore, Harry V., Oakland, Calif. Electric table stove. 2,040,479; May 12.
Glore, Harry V., Oakland, Calif. Electric table stove. 2,040,480; May 12.
Goodman, Abraham, Brooklyn, N. Y., assignor to Delamere Company, Inc. Wave setter. 2,040,807; May 12.
Goodman, Jacob A., Indianapolis, Ind. Top construction for hosiery. 2,040,736; May 12.
Goodwillie, John E., Tarrytown, N. Y. Condenser efficiency calculator. 2,040,086; May 12.
Gordon, Christian J., London, England. Electric battery. 2,040,255; May 12.
Gough, James J., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Electric motor. 2,040,371; May 12.
Graham, George H., Chicago, and L. Robertson, Evanston, assignors to Carpenter-Iliatt Sales Co., Chicago, Ill. Liner. 2,040,516; May 12.
Graham, Jack L., assignor of one-eighth to C. Simmons, and one-eighth to A. Lawson, Wichita, Kans. Storage tank. 2,040,372; May 12.
Graham, Stuart, Ottawa, Ontario, Canada. Wind speed and direction indicator. 2,040,305; May 12.
Granberg Meter Corporation, et al. (See Saarinen, A. J., assignor, and Curtis.
Grant, Francis R., Champaign, assignor to Board of Trustees of the University of Illinois, Urbana, Ill. Filling material. 2,040,256; May 12.
Gray Telephone Pay Station Company, The. (See Long, George A., assignor.)

Grazer Waggon-und Maschinenfabriks-Actiengesellschaft vormals Joh. Weitzer. (See Dietrich, Anton, assignor.)
Green, Floyd M., Columbus, Ohio. Brake shoe. 2,040,551; May 12.
Green, George P., Portales, N. Mex. Sectional boat. 2,040,373; May 12.
Greenfield, J. Arthur, et al. (See Looney, William R., assignor.)
Grieve, Fred H., Corning, Calif. Regluing tenon and mortise joints. 2,040,126; May 12.
Grimes, Thaddeus S., assignor to Lummus Cotton Gin Company, Columbus, Ga. Fastening means. 2,040,374; May 12.
Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Valve spring. 2,040,435; May 12.
Grote, Hans W., Charleston, W. Va., assignor to United Carbon Company, Inc., Baltimore, Md. Forming agglomerated carbon black. 2,040,770; May 12.
Grower, Richard M., Arlington, assignor to S. J. Tomasello, Boston, Mass. Bituminous paving composition and making the same. 2,040,481; May 12.
Gruber, Herbert, and W. Rohn, assignors to Heraeus-Vacuumschmelze, A. G., Hanau-on-the-Main, Germany. Manufacturing low carbon iron and steel alloys. 2,040,604; May 12.
Guest, James J., Abbey Wood, England. Compensating mechanism for balancing machines. 2,040,738; May 12.
Gulf States Steel Company. (See Delany, Albanus G., assignor.)
Gulick, Samuel, Grand Coulee, Wash. Depth gauge. 2,040,552; May 12.
Gunderson, Lewis O., assignor to Electro-Chemical Engineering Corporation, Chicago, Ill. Preventing moisture entrainment in steam boilers. 2,040,127; May 12.
Gustin, Daniel S., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Glow discharge device. 2,040,173; May 12.
Guyette, George, et al. (See Brenholm, Nels, assignor.)
Haase, Wilbert W., assignor to Wilbert W. Haase Co., Forest Park, Ill. Burial vault. 2,040,128; May 12.
Haase, Wilbert W., Co. (See Haase, Wilbert W., assignor.)
Hackl, Fred, New Kensington, Pa. Milk can holder and dispenser. 2,040,087; May 12.
Hagelin, William T., Cleveland, Ohio, assignor to Multigraph Company, Wilmington, Del. Planographic printing plate. 2,040,129; May 12.
Hagerty, Andrew T., Elkhart, Ind., assignor to The Adlake Company. Padlock. 2,040,482; May 12.
Haigh, Leslie B. (See Hatton, W., and Haigh.)
Hainsworth, William R., Larchmont, N. Y., assignor, by mesne assignments, to Servel, Inc., Dover, Del. Air-cooled refrigerator. 2,040,174; May 12.
Halbig, Paul, and F. Kaufler, assignors to Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie G. m. b. H., Munich, Germany. Preparing 3-methylal-n-pentane. 2,040,130; May 12.
Hall, Alfred E. C., Webster Groves, Mo., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of shoes and shoe soles. 2,040,131; May 12.
Hall, Eric E. (See Eichelman, W. H., and Hall.)
Hall, Zachariah A., Guelph, Ontario, Canada. Hockey stick. 2,040,132; May 12.
Hallerberg, Theodore W., assignor to United Air Cleaner Co., Chicago, Ill. Apparatus for cleaning air. 2,040,376; May 12.
Halmágyi, John. (See Langer, Nicholas, assignor.)
Halvorson, Cromwell A. B., Lynn, Mass., assignor to General Electric Company. Street lighting unit. 2,040,690; May 12.
Hamburg Floral Mfg. Co. et al. (See Kaderbeck, George J., assignor.)
Hamm, William S., Elkhart, Ind., assignor to The Adlake Company. Ventilator for vehicles. 2,040,306; May 12.
Hammel Oil Burning Equipment Company. (See Woolley, Bradford G., assignor.)
Hance, Lawrence W., Philadelphia, Pa. Bull ring with sectional packing rings. 2,040,808; May 12.
Hanff, Ferdinand, Berlin-Charlottenburg, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Upright extruding press. 2,040,653; May 12.
Hanney, Angus F., assignor to The American Laundry Machinery Company, Norwood, Ohio. Press control. 2,040,739; May 12.
Hanson, Rodney L. (See Pagenkopf, W. H., and Hanson.)
Harder, Arthur J., Chicago, Ill. Threshing machine. 2,040,605; May 12.
Hardt, Gustav, Elizabethton, Tenn., assignor to American Bemberg Corporation, New York, N. Y. Manufacture of artificial silk. 2,040,606; May 12.
Harley, Lee M., Brooklyn, N. Y., assignor to James H. Matthews & Company. Rubber die. 2,040,377; May 12.
Harmon, Arthur R., et al. (See Schulz, E. Fred, assignor.)
Harnly, David H., Chicago, Ill. Retainer for weather strip. 2,040,133; May 12.
Harris, Benjamin R. (See Epstein, A. K., and Harris.)
Harris, Samuel D., Detroit, Mich. Container. 2,040,483; May 12.
Hart, Harry S., Chicago, Ill. Car wall construction. 2,040,307; May 12.
Hartford-Empire Company. (See Honiss, William T., assignor.)
Hartford-Empire Company. (See Rowe, George E., assignor.)
Hartmann, August, Berlin-Lichterfelde, Germany, assignor to American Bemberg Corporation, New York, N. Y. Method and apparatus for the manufacture of artificial silk. 2,040,607; May 12.
Hathaway, Claude W., Wilmington, N. Y. Can opener and dispensing means. 2,040,484; May 12.
Hatton, William, and L. B. Haigh, Paris, France, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 2,040,308; May 12.
Hayden, Kenneth Le R., Winthrop, Mass. Protective signal system. 2,040,309; May 12.
Haynn, Richard. (See Rittinghausen, C. M., and Haynn.)
Hazelwyn, Inc. (See Elliott, E. C., and Winberg, assignors.)
Healy, Jeremiah. (See Trottier, John E., assignor.)
Hedberg, Carl W. J., and R. B. Hesson, Bound Brook, N. J., assignors to Research Corporation, New York, N. Y. Electrical gas treatment. 2,040,378; May 12.
Helmers, Rudolf, Mexico, D. F., Mexico. Puzzle-lock. 2,040,740; May 12.
Heine, Herman B. (See Mullett, H. A., and Heine.)
Heintz & Kaufman, Ltd. (See Eitel, William W., assignor.)
Heintz & Kaufman, Ltd. (See McCullough, Jack, assignor.)
Heinze, William A. (See Victor, John H. and B. J., and Heinze.)
Heinze, William A., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill. Grease retainer with channeled spacer. 2,040,379; May 12.
Heller, Frank P., Reading, Pa. Handling attachment for radiators and the like. 2,040,134; May 12.
Henderson, Lloyd F. (See Crocker, E. C., and Henderson.)
Heraeus-Vacuumschmelze, A. G. (See Gruber, H., and Rohn, assignors.)
Heraeus-Vacuumschmelze A. G. (See Rohn, Wilhelm, assignor.)
Hercules Powder Company. (See Billing, Wyly M., assignor.)
Herr, Henry C., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y. Flyer for spinning machines. 2,040,135; May 12.
Herr Manufacturing Company. (See Herr, Henry C., assignor.)
Hershey, Harry E., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Selective code receiver. 2,040,691; May 12.
Hessle, Eric T., Chicago, Ill. Manufacture of a protein compound of sulphonated hydrocarbon sulphur bodies. 2,040,809; May 12.
Hesson, Robert B. (See Hedberg, C. W. G., and Hesson.)
Heyner, Fritz, assignor to F. Kruckenberg, and C. Stedefeld, Hanover, Germany. Skeleton structure for railway cars. 2,040,257; May 12.
Heyroth, Albert H., assignor to The Globar Corporation, Niagara Falls, N. Y. Hygrometric apparatus. 2,040,771; May 12.
Hinrichs, Wilhelm J. H., Hamburg, Germany. Producing moistureproof and airtight materials. 2,040,608; May 12.
Hitchcock, Rex B., Marcq-en-Baroeul, France, assignor to International Harvester Company. Side delivery hay rake. 2,040,692; May 12.
Hobbs, Howard F., Paradise, South Australia, Australia. Automatically variable transmission gear particularly for motor vehicles. 2,040,136; May 12.
Hockelmann, Jülius, Neheim-on-the-Ruhr, assignor to the firm Gust. Raffenbeul G. m. b. H., Schwelm, Germany. Production of drawing-pins, wire-tacks, and the like. 2,040,553; May 12.
Hoe, R., & Co. (See Huck, William F., assignor.)
Hoffman, Michael, San Francisco, and B. Jackson, San Bruno, Calif. Subchase for typographic numbering machines. 2,040,175; May 12.
Hoke, William E., Baltimore, Md. Antifriction bearing. 2,040,741; May 12.
Holmes, Sydney V., assignor of one-half to E. J. Radlein, St. Paul, Minn. Automatic tire pressure operated switch. 2,040,554; May 12.
Holtzmann, William C., New York, N. Y. Rope adjuster and holder. 2,040,555; May 12.
Holy, Josef, Vienna, Austria. Sound record reproducing device. 2,040,742; May 12.
Holz, Frank, Lillian, Ala., assignor of one-half to Cosmo Vacca, Bristol, Conn. Briquetted fuel and process of making. 2,040,609; May 12.
Holzwarth Gas Turbine Co. (See Holzwarth, Hans, assignor.)
Holzwarth, Hans, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif. Method and apparatus for heat interchange with compressed gases. 2,040,090; May 12.
Honiss, William T., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Glass feeding apparatus. 2,040,789; May 12.
Honold, Ernst, and R. Müller, Frankfort-on-the-Main, Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Brominated vat dyestuffs of the benzanthronyl-aminoanthraquinone series. 2,040,380; May 12.

Hooker, Donald E., Elgin, assignor to F. C. McClellan, Chicago, Ill. Game apparatus. 2,040,310; May 12.
Hoover Company, The. (See Smellie, Donald G., assignor.)
Horbach, John B., et al. (See Looney, William R., assignor.)
Horn, Royal, and J. Humphreys, assignor to Kellogg Switchboard & Supply Co., Chicago, Ill. Telephone desk set mechanism. 2,040,311; May 12.
Houde Engineering Corporation. (See Whitted, John B., assignor.)
Hougland, Albert C., St. Paul, Minn. Gear transmission for churns. 2,040,654; May 12.
Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Packaging machine. 2,040,436; May 12.
Hubbard, Karl H., assignor to Taylor Instrument Companies, Rochester, N. Y. Regulator. 2,040,743; May 12.
Hubbell, Harvey, Incorporated. (See Von Holtz, Charles T., assignor.)
Huck, William F., Richmond Hill, assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y. Printing plate shaving machine. 2,040,437; May 12.
Huddleston, Julian, Los Angeles, Calif. Carrier mounting and operating means. 2,040,610; May 12.
Huguenard, Eugene A., Paris, France, assignor to C. W. Fenninger, Philadelphia, Pa., trustee. Sound record. 2,040,693; May 12.
Hull, Dwight D., assignor of thirty-five per cent to R. V. Cornell, and ten percent to J. M. Ballard, Seattle, Wash. Telltale bottle. 2,040,381; May 12.
Hull, Harry B., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,040,744; May 12.
Humphreys, Joseph. (See Horn, R., and Humphreys.)
Huotari, Charles W., Los Angeles, Calif. Motor vehicle signal. 2,040,382; May 12.
Hydraulic Press Corporation, The. (See Ernst, Walter, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Becker, W., Orthner, and Blömer, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Orthner, L., and Doser, assignors.)
Ickes, Clarence W., and T. P. Ickes, Monte Vista, Colo. Air brake. 2,040,312; May 12.
Ickes, Theodore P. (See Ickes, Clarence W., and T. P.)
Industrial Gloves Corporation. (See Jensen, Karl E., assignor.)
Ingersoll-Rand Company. (See Baker, Charles S., assignor.)
International Harvester Company. (See Duhain, Ernest, assignor.)
International Harvester Company. (See Hitchcock, Rex B., assignor.)
International Harvester Company. (See Johnston, Edward A., assignor.)
International Harvester Company. (See Lindgren, Alexus C., assignor.)
Inventions Holding Corporation. (See Fox, Ansely H., assignor.)
Irving Air Chute Company. (See Rogers, Harold G., assignor.)
Irving, Kenneth, et al. (See Jones, Jacob, assignor.)
Irwin, Robert W., Company. (See Bekius, Nicholas, assignor.)
Jackson, Ben. (See Hoffman, M., and Jackson.)
Jackson, Edward B., Downers Grove, assignor to Stromberg Electric Company, Chicago, Ill. Job time recorder system. 2,040,694; May 12.
Jackson, Roland T., assignor to R. & W. H. Symington & Company Limited, Market Harborough, England. Lever buckle or slide. 2,040,655; May 12.
Jacobi, Edward N., assignor to Briggs & Stratton Corporation, Milwaukee, Wis. Mounting means for automobile doorlocks. 2,040,258; May 12.
Jandus, Herbert S., Detroit, Mich., assignor to General Spring Bumper Corporation. End connection for bumper bars. 2,040,176; May 12.
Jasper, Christian H., Rotterdam, Netherlands. Joining electric current conductors. 2,040,383; May 12.
Jensen, Karl E., assignor, by mesne assignments, to Industrial Gloves Corporation, Danville, Ill. Glove. 2,040,137; May 12.
Jerguson, Philip A. (See Chalatow, Leon S., assignor.)
Jesevich, John P., assignor to American Flange & Manufacturing Company, Inc., Chicago, Ill. Closure plug and forming same. 2,040,088; May 12.
Jiffy Lubricator Company. (See Johnson, August and J. S., assignors.)
Johns-Manville Corporation. (See Kellogg, George D., assignor.)
Johnson, August and J. S., assignors to Jiffy Lubricator Company, Inc., Fargo, N. Dak. Hydraulic lubricating connection. 2,040,177; May 12.
Johnson, Charles D. (See Simons, A., and Johnson.)
Johnson, Edward E., assignor to Edward E. Johnson, Incorporated, St. Paul, Minn. Make and break switching device. 2,040,772; May 12.
Johnson, Edward E., Incorporated. (See Johnson, Edward E., assignor.)
Johnson, Fred A., Jr. (See Johnson, Fred A., assignor.)
Johnson, Fred A., assignor to F. A. Johnson, Jr., Chicago, Ill. Composite door. 2,040,259; May 12.
Johnson, Gustave A., Newark, N. J., assignor to Electrical Patent Holding Corporation, New York, N. Y. Armored bare ground wire. 2,040,438; May 12.
Johnson, Harold M., and A. C. Perbal, St. Louis, Mo., said Johnson assignor to said Perbal. Illuminated sign. 2,040,695; May 12.
Johnson, John S. (See Johnson, August and J. S.)
Johnston, Edward A., Chicago, Ill., assignor to International Harvester Company. Track for track type tractors. 2,040,696; May 12.
Johnstone, Robert M. (See Cameron, J. A., and Johnstone.)
Jones, Jacob, Woodinville, Wash., assignor of sixteen and one-third per cent to H. P. Peterson, sixteen and one-third per cent to K. Irvin, and sixteen and one-third per cent to J. H. Utt. Apparatus for heating vapor, and burning stumps thereby. 2,040,485; May 12.
Jordan, Isaac N., assignor to Armour and Company, Chicago, Ill. Shipping case. 2,040,313; May 12.
Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method and machine for use in lasting shoes. 2,040,138; May 12.
Joyce, Warren, Cleveland, Ohio. Machine for manufacturing paper excelsior. 2,040,745; May 12.
Judson, Wilber. (See Bacon, R. F., and Judson.)
Kaderbeck, George J., Hamburg, N. Y., assignor of one-half to Hamburg Floral Mfg. Co., Inc., Hamburg, N. Y., and one-half to The Joseph M. Stern Company, Cleveland, Ohio. Imitation grass mat. 2,040,611; May 12.
Kaemmerling, Gustav H., assignor to Erie City Iron Works, Erie, Pa. Apparatus for pulverizing material. 2,040,816; May 12.
Kahn, Max, Cedarhurst, N. Y. Corset. 2,040,810; May 12.
Kaiser, Herman F. (See Canfield, R. H., and Kaiser.)
Kantor, James, assignor to The Liquid Carbonic Corporation, Chicago, Ill. Adjustable float mechanism for bottle fillers. 2,040,384; May 12.
Karlsson, Edvin A., Soderkoping, assignor to C. E. Ellison, Norrkoping, Sweden. Milk cooler. 2,040,139; May 12.
Kaufler, Felix. (See Halbig, P., and Kaufler.)
Kaufman, Charles H., San Antonio, Tex. Broom rake. 2,040,205; May 12.
Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Adjustable connecter. 2,040,790; May 12.
Kaufmann, John J., Elkins Park, assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Loom harness. 2,040,791; May 12.
Kearney & Trecker Corporation. (See Parsons, Fred A., assignor.)
Kégresse, Adolphe, Courbevoie, France. Arrangement for operating engine valve gear sleeves. 2,040,206; May 12.
Keiser, Olive D., Columbus, Ohio. Necktie. 2,040,386; May 12.
Kellett, William P., New York, N. Y. Shock reducing car structure. 2,040,486; May 12.
Kellogg, George D., Pelham Manor, assignor to Johns-Manville Corporation, New York, N. Y. Wall assembly. 2,040,385; May 12.
Kellogg, M. W., Company. (See Kidd, Alexander, assignor.)
Kellogg Switchboard & Supply Co. (See Horn, R., and Humphreys, assignors.)
Kelsey-Hayes Wheel Company, The. (See Ash, Charles S., assignor.)
Kelvinator Corporation. (See Sekyra, Charles J., assignor.)
Kemp, Archie R., Westwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Treatment of rubber. 2,040,314; May 12.
Kempthorne, James L., Montclair, N. J. Pump or the like. 2,040,178; May 12.
Kendall Company, The. (See Reed, Raymond E., assignor.)
Kenny, Michael J., Mentor Township, Lake County, Ohio, assignor to The Reece Button Hole Machine Company, Boston, Mass. Buttonhole sewing machine. 2,040,260; May 12.
Kessler, Joseph W. (See Severance, S. W., and Kessler.)
Kidd, Alexander, Allwood, N. J., assignor to M. W. Kellogg Company, New York, N. Y. Welding tubular connecters. 2,040,140; May 12.
Kidde, Walter, & Company. (See Mapes, Daniel, assignor.)
Kidde, Walter, & Company. (See Rothschmitt, Anton, assignor.)
King, Clifford G., Providence, R. I. Handbag. 2,040,141; May 12.
Kirstein, Jacob, assignor to Bunting Glider Company, Philadelphia, Pa. Spring construction. 2,040,656; May 12.
Kislyn Corporation. (See Berthon, Rodolphe, assignor.)
Klawuhn, Otto W., Rocky River, Ohio. Safety device for vehicles. 2,040,487; May 12.
Klouman, Henning, Michigan City, Ind., and L. H. Whiteside, Chicago, Ill., assignors to Michiana Products Corporation, Michigan City, Ind. Basket for carburizing retorts. 2,040,261; May 12.
Knapp-Monarch Company. (See Fischer, William H., assignor.)

Kniedler, Jerome C., Pittsburgh, Pa. Line hanger. 2,040,746; May 12.
Knowles, Lloyd G. (See Cummings, R. W., Knowles, and Eppler.)
Kocks, Fritz, Dusseldorf, Germany. Rolling mill with inclined rolls. 2,040,612; May 12.
Koller, Emil, Zurich, Switzerland. Closure for collapsible tubes. 2,040,091; May 12.
Kopellowitsch, Jakob, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland. Grounding coil tuning system. 2,040,697; May 12.
Kops Brothers, Inc. (See Kops, Waldemar and S. D., assignors.)
Kops, Stanley D. (See Kops, Waldemar and S. D.)
Kops, Waldemar and S. D., assignors to Kops Brothers, Inc., New York, N. Y. Corset and the like. 2,040,657; May 12.
Kopsch, Herbert E., assignor to Brown-McLaren Manufacturing Company, Detroit, Mich. Chuck mechanism. 2,040,517; May 12.
Koren, Gustav, New York, N. Y. Magazine filling machine and dispenser magazine. 2,040,747; May 12.
Koreska, Wilhelm, and R. Lant, Vienna, Austria. Recording support. 2,040,142; May 12.
Krhus, Wilhelm, Vienna, Austria. Production of condensation. 2,040,207; May 12.
Kress, Claude W., New York, N. Y. Display holder device. 2,040,315; May 12.
Kruckenberg, Franz, et al. (See Heyner, Fritz, assignor.)
Kruckenberg, Franz, C. Stedefeld, and W. Black, Hanover, Germany; said Black assignor to said Kruckenberg and said Stedefeld. Truck pivot damping. 2,040,262; May 12.
Krueger, Fred G., Norwood, and H. S. Lion, assignors to The United Milk Crate Corporation, Cincinnati, Ohio. Crate. 2,040,387; May 12.
Kruger, Henry, Portland, Oreg. Safety device for cableway switches. 2,040,388; May 12.
Kruly, Felicitas. (See Kruly, John A., assignor.)
Kruly, John A., assignor to F. Kruly, Los Angeles, Calif. Reenforcing means for casket boxes. 2,040,488; May 12.
Kubeck, Stephen, Philadelphia, Pa. Making an arch support. 2,040,143; May 12.
Kuentzel, Ward E., Whiting, Ind., and T. A. Geissman, Minneapolis, Minn., assignors to Standard Oil Company, Chicago, Ill. Catalytic process. 2,040,658; May 12.
Kuhn, George, Takoma Park, Md. Light projector. 2,040,613; May 12.
Kyle, James G., et al. (See Wagner, Albert G., assignor.)
Lacau, Robert J., Paris, France. Emulsion for surfacing roads. 2,040,208; May 12.
Laidig, Alfred H. (See Slack, C. M., and Laidig.)
Lakovich, Joseph, Louisville, Colo. Miner's eyeshield. 2,040,614; May 12.
Lamb, Anthony H., Elizabeth, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electromagnetic switch. 2,040,389; May 12.
Lamberty, Frederick R., Brooklyn, N. Y., and L. E. Van Damme, Weehawken, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,040,316; May 12.
Lamboley, Harold J., et al. (See Sacker, Frank, assignor.)
Langer, Nicholas, New York, N. Y., assignor of sixty-six and two-thirds to J. Halmagyi, Budapest, Hungary. Automatic tremolo for electrical musical instruments. 2,040,439; May 12.
Lant, Richard. (See Koreska, W., and Lant.)
Large, Samuel R., Bristol, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Antifriction bearing. 2,040,489; May 12.
Larmuth, John H., Hill Crest, Upper Colwyn Bay, North Wales. Automatically stopping machines wherein material is unwound from a holder. 2,040,144; May 12.
Larson, Carl H., assignor to The Adlake Company, Elkhart, Ind. Reflex signal. 2,040,317; May 12.
Lauter, Werner M., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Age retarder. 2,040,490; May 12.
Lauter, Werner M., Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Rubber composition and preserving rubber. 2,040,491; May 12.
Lavine Gear Company. (See Twyman, B. Wickliffe, assignor.)
Lawrence, Charles H., Ysleta, Tex., assignor to H. C. Lawrence, St. Louis, Mo. Frame. 2,040,556; May 12.
Lawrence, Henry C. (See Lawrence, Charles H., assignor.)
Lawson, Arthur, et al. (See Graham, Jack L., assignor.)
Layne, Leslie A., and H. C. Block, Houston, Tex.; said Block assignor to said Layne. Detachable blade bit. 2,040,263; May 12.
Leake, Arthur G., Bridgeport, Conn. Repairing stringers. 2,040,557; May 12.
Leece-Neville Company, The. (See Cole, Dale S., assignor.)
Leece-Neville Company, The. (See Cole, D. S., and Speth, assignors.)
Leece-Neville Company, The. (See Speth, Leonard S., assignor.)
Leedy, Walter L., Youngstown, Ohio. Pipe joint. 2,040,092; May 12.
Leiner, George S., New Rochelle, and C. A. Bernstein, New York, N. Y. Dust bouncer for mops and the like. 2,040,659; May 12.
Lengvenis, Frank J. (See Tietz, W. J., and Lengvenis.)
Lenhart, Herbert S., Allentown, assignor to Fuller Company, Catasauqua, Pa. Feeding and batching apparatus. 2,040,660; May 12.
Leonard, Zenas. (See Mumma, H. J., and Leonard.)
Leroy, Louis, assignor to Forges et Ateliers de Constructions Eletriques de Jeumont Société Anonyme, Paris, France. Vapor electric discharge device. 2,040,748; May 12.
Less, Frank W. (See Norton, A. J., and Less.)
Levyne, Sidney A., assignor to Baltimore Paint & Color Works, Inc., Baltimore, Md. Carton for cans and the like. 2,040,209; May 12.
Lewis Foundry & Machine Company. (See Beatty, Floyd A., assignor.)
Lewis, Frank W., Davenport, assignor to The Bettendorf Company, Bettendorf, Iowa. Railway car truck. 2,040,773; May 12.
Lewis, Nathan, Brooklyn, and H. Feldman, New York, N. Y. Yarn and making the same. 2,040,518; May 12.
Lewis, Robert R., Baldwin, and A. J. Weiss, Mineola, assignors to Vulcan Proofing Company, New York, N. Y. Vulcanizing rubber and new and improved vulcanized rubber. 2,040,698; May 12.
Leyland and Birmingham Rubber Company, The. (See Butcher, Henry J., assignor.)
Leyland, Thomas, Machinery Company. (See Shute, Charles W.)
Liebmann, Alfred J., New York, N. Y. Improving and aging distilled alcoholic beverages. 2,040,661; May 12.
Lilly, Eli, and Company. (See Powell, Horace M., assignor.)
Lindgren, Alexus C., Chicago, Ill., assignor to International Harvester Company. Harvester thresher. 2,040,699; May 12.
Linn, Marion D., Whiteriver, Ariz. Stamping device. 2,040,749; May 12.
Lion, Harold S. (See Krueger, F. G., and Lion.)
Liquid Carbonic Corporation, The. (See Kantor, James, assignor.)
Little, Arthur D., Incorporated. (See Crocker, T. C., and Henderson, assignors.)
Livingstone, Stanley, Sydney, New South Wales, Australia, assignor to Baker & Company, Inc., Newark, N. J. Producing cohesive gold for dental fillings. 2,040,179; May 12.
Loe, Ira G., assignor of one-fourth to J. C. Brayton, Cleveland, Ohio. Fluid meter. 2,040,390; May 12.
Logan, Frank G., Mount Vernon, N. Y., assignor to Ward Leonard Electric Company. Rectifier regulator. 2,040,492; May 12.
Lohrke, James L., Westtown, and H. H. Perry, Bryn Mawr, Pa. Yarn. 2,040,519; May 12.
Lombardi Knitting Machine Co. Inc. (See Lombardi, Vincent, assignor.)
Lombardi, Vincent, Garden City, assignor to Lombardi Knitting Machine Co. Inc., New York, N. Y. Knitted fabric. 2,040,318; May 12.
Lombardi, Vincent, Garden City, assignor to Lombardi Knitting Machine Co. Inc., New York, N. Y. Knitting apparatus. 2,040,319; May 12.
Long, George A., assignor to The Gray Telephone Pay Station Company, Hartford, Conn. Coin collecting mechanism base. 2,040,792; May 12.
Long, George E., Pittsburg, assignor to R. W. Rush and E. J. Schulte, Girard, Kans. Card holder. 2,040,750; May 12.
Looney, William R., assignor to H. Bergman, J. B. Horbach, and J. A. Greenfield, Los Angeles, Calif. Box. 2,040,774; May 12.
Lorig, Edwin T., Gary, Ind., assignor to American Sheet and Tin Plate Company. Coiling strip. 2,040,775; May 12.
Lovell, Stanley P., Newton, Mass., assignor, by mesne assignments, to Beckwith Manufacturing Company, Dover, N. H. Manufacture of shoe stiffeners. 2,040,320; May 12.
Lowell, Percival D., Chevy Chase, Md., assignor to Radio Corporation of America, New York, N. Y. Radio direction finder. 2,040,520; May 12.
Lucia, Emmanuel M., et al. (See Tarkington, Wilson, assignor.)
Lucia, Sam J., et al. (See Tarkington, Wilson, assignor.)
Lukemeier, William F., assignor to Peerless Manufacturing Corporation, Louisville, Ky. Gaseous fuel burner. 2,040,558; May 12.
Lummus Cotton Gin Company. (See Grimes, Thaddeus S., assignor.)
Lundquist, Joseph T. (See Britton, E. C., Perkins, and Lundquist.)
Luttrell, Charles E., Greenville, S. C. Laundry bag. 2,040,559; May 12.
Lutz, Raymond P., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Making and controlling a lubricating compound. 2,040,321; May 12.
Lyon, James, Lillooet, British Columbia, Canada. Milk can opener. 2,040,615; May 12.
M. G. Car Company Limited, The. (See Charles, H. N., and Cousins, assignors.)

M. G. Car Company Limited, The. (See Cousins, Henry E. C., assignor.)
MacDonald, William T. (See Rose, E. H., and MacDonald.)
Macready, George A., Los Angeles, Calif. Method and apparatus for obtaining fluid samples from drilled wells. 2,040,619; May 12.
Magaton, Silvio, New York, N. Y. Smoke and dust absorbing apparatus. 2,040,700; May 12.
Magne, Ernst J. O., Visby, Sweden. Sowing machine. 2,040,210; May 12.
Maguire, Charles L., Yreka, Calif. Combination faucet and drinking fountain. 2,040,391; May 12.
Major, Randolph T., Mountainside, and J. K. Cline, Woodbridge, assignors to Merck & Co., Inc., Rahway, N. J. B-methylcholine derivatives and salts and their production. 2,040,145; May 12.
Major, Randolph T., Plainfield, and J. K. Cline, Woodbridge, assignors to Merck & Co., Inc., Rahway, N. J. B-methylcholine derivatives and salts and processes for their preparation. 2,040,146; May 12.
Mall, Arthur W., Chicago, Ill. Motor base. 2,040,662; May 12.
Mallet, Charles, and H. C. Couetoux, assignors to Etablissements Jacob Delafon Compagnie Ceramique de Pouilly-sur-Saone et Belvoye, Paris, France. Installation for mixing two fluids. 2,040,663; May 12.
Malm, Carl J., and C. R. Fordyce, assignors to Eastman Kodak Company, Rochester, N. Y. Nonalkali metal salts of dicarboxylic acid esters of cellulose. 2,040,093; May 12.
Manchester Oxide Company Limited, The. (See Clayton, R. H., Williams, and Avery, assignors.)
Mancini, John, and N. Di Archangel, New York, N. Y. Apparatus for aging whiskey or other alcoholic beverages. 2,040,264; May 12.
Mandal, Juzo, Los Angeles, Calif. Educational clock. 2,040,322; May 12.
Mapes, Daniel, Upper Montclair, N. J., assignor to Walter Kidde & Company, Inc., New York, N. Y. Inflatable flotation device. 2,040,616; May 12.
Marble, Edwin H. (See Coolidge, C. H., and Marble.)
Marchev, Alfred, La Grange, assignor to Ditto, Incorporated, Chicago, Ill. Hinged pressure roller and paper guide for duplicator carriages. 2,040,393; May 12.
Mardigian, Samuel, and M. Rizzolla, Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey. Packaging straight articles. 2,040,493; May 12.
Marsden, William H., Chicago, Ill. Ullage rod. 2,040,701; May 12.
Marseilles, Anthony, Mystic, Conn. Cultivator. 2,040,751; May 12.
Martin, Mark H., Reading, assignor to Birdsboro Steel Foundry & Machine Company, Birdsboro, Pa. Car truck. 2,040,180; May 12.
Marty, Adam, et al. (See Sacker, Frank, assignor.)
Marvin, John T., assignor to The Patrol Valve Company, Cleveland, Ohio. Relief valve. 2,040,776; May 12.
Marx, Charles O., Baldwin, N. Y. Portable cold beer dispenser. 2,040,664; May 12.
Marx, Louis, New York, N. Y. Electrically lighted gasoline station toy. 2,040,521; May 12.
Marx, Louis, New York, N. Y. Toy. 2,040,522; May 12.
Mason, Ralph B., New Kensington, and M. Tosterud, Arnold, assignors to Aluminum Company of America, Pittsburgh, Pa. Producing bright surfaces on aluminum. 2,040,617; May 12.
Mason, Ralph B., New Kensington, and M. Tosterud, Arnold, assignors to Aluminum Company of America, Pittsburgh, Pa. Producing bright surfaces on aluminum. 2,040,618; May 12.
Mathias, Maximilian, Berlin, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Counting mechanism. 2,040,702; May 12.
Matranga, John, et al. (See Tarkington, Wilson, assignor.)
Matthews, James H., & Company. (See Harley, Lee M., assignor.)
Matthews, Paul W., et al. (See Smith, Nelson, P., assignor.)
Maupin, Graves R., assignor to The J. Faessler Mfg. Co., Moberly, Mo. Multiple rolling tool. 2,040,440; May 12.
May, Marcus B., trustees et al. (See Pratt, William B., assignor.)
Maynes, Emma C. (See Maynes, Hyla F., assignor.)
Maynes, Hyla F., assignor of one-half to E. C. Maynes, North Tonawanda, N. Y. Fishing reel. 2,040,777; May 12.
McCabe, Ira E., Chicago, Ill. Electrical ignition device. 2,040,620; May 12.
McCain, Cecil C., Glen Ellyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Material winding machine. 2,040,323; May 12.
McCallum, William J., Islington, Ontario. Method of and apparatus for applying inserts. 2,040,621; May 12.
McClellan, Fred C. (See Hooker, Donald E., assignor.)
McCrery, Harold E., Pittsburgh, assignor to Blaw-Knox Company, Blawnox, Pa. Apparatus for controlling the flow of material. 2,040,703; May 12.
McCullough, Jack, San Bruno, assignor to Heintz & Kaufman, Ltd., San Francisco, Calif. Filament mounting. 2,040,622; May 12.
McEuen, Harry B., Jacksonville, Fla. X-ray apparatus. 2,040,441; May 12.
McIlvaine, Oran T., Cleveland, Ohio, assignor to McIlvaine Patent Corporation, St. Charles, Ill. Vacuum tube. 2,040,752; May 12.
McIlvaine, Oran T., Cleveland, Ohio, assignor to McIlvaine Patent Corporation, St. Charles, Ill. Electric ray producing device. 2,040,753; May 12.
McIlvaine Patent Corporation. (See McIlvaine, Oran T., assignor.)
McJoynt, Thomas L., Janesville, Wis. Upholstery pad stuffing machinery. 2,040,094; May 12.
McKee, Garnet W., Rockford, Ill. Gas burner. 2,040,147; May 12.
McKee, Harry H., assignor to Swift and Company, Chicago, Ill. Marking meats. 2,040,148; May 12.
McKee, Harry H., assignor to Swift and Company, Chicago, Ill. Branding lamb and the like. 2,040,149; May 12.
McKeige, Edward E., assignor to The Girard Manufacturing Company, Girard, Pa. Connecter for toy railroad tracks. 2,040,665; May 12.
McKesson, Elmer I., deceased, M. F. McKesson, executrix, assignor to M. F. McKesson, Toledo, Ohio. Physiological measuring. 2,040,095; May 12.
McKesson, Martha F., executrix. (See McKesson, Elmer I., assignor.)
McLeod, Robert J., London, England. Rotary fluid pump. 2,040,754; May 12.
McNeill, Frederic. (See McNeill, Thomas W., and F.)
McNeill, Thomas W., and F. McNeill, Chicago, Ill., said F. McNeill assignor to said T. W. McNeill. Smoke indicator. 2,040,265; May 12.
Meinig, Ernst R., Wyomissing, Pa. Warp fabric. 2,040,560; May 12.
Meinig, Ernst R., Reading, Pa. Undergarment. 2,040,561; May 12.
Meinig, Ernst R., Reading, Pa. Knee length stocking. 2,040,562; May 12.
Mekelburg, Earl F., Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich. Pressure switch. 2,040,181; May 12.
Merck & Co. (See Major, R. T., and Cline, assignors.)
Merrill, Cathey C., Buntyn, Tenn. Sling gun. 2,040,150; May 12.
Metro-Goldwyn-Mayer Corporation. (See Ceccarini, Olindo O., assignor.)
Meyer, Eduard, Mulheim, Germany. Regulating means for rolling mechanisms. 2,040,755; May 12.
Michiana Products Corporation. (See Klouman, H., and Whiteside, assignors.)
Miehle Printing Press & Manufacturing Company. (See Cheshire, Edward, assignor.)
Miehle Printing Press and Manufacturing Company. (See Peyrebrune, Henri E., assignor.)
Miller, Carl J., Elyria, assignor to Steel & Tubes, Inc., Cleveland, Ohio. Reworking rails. 2,040,494; May 12.
Miller, Joseph E., Fort Wayne, Ind. Appliance for and method of making concrete structures. 2,040,666; May 12.
Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Recovery of tar acids from tar. 2,040,096; May 12.
Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Treatment of hydrocarbon material and apparatus therefor. 2,040,099; May 12.
Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Treatment of tar. 2,040,100; May 12.
Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Treatment of tar. 2,040,101; May 12.
Miller, Stuart P., Scarsdale, assignor to The Barrett Company, New York, N. Y. Distillation of tar. 2,040,097; May 12.
Miller, Stuart P., Scarsdale, assignor to The Barrett Company, New York, N. Y. Treatment of tar. 2,040,098; May 12.
Modine, Arthur B., Racine, Wis. Smoking pipe. 2,040,704; May 12.
Molin, Louis A., Chicago, Ill. Hydraulic press. 2,040,394; May 12.
Moore, Emmett B., Evanston, Ill. Coin selector. 2,040,151; May 12.
Moore, George L., Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa. Treating pistons. 2,040,324; May 12.
Moore, Paul, Trustees et al. (See Nikitin, A. A., Myers, and Adams.)
Moos, Leo P., Moorhead, and F. L. Fredrickson, Robbinsdale, Minn., said Fredrickson assignor to said Moos. Bottle cap. 2,040,325; May 12.
Morgan, John D., South Orange, N. J., assignor to Doherty Research Company, New York, N. Y. Combustion efficiency adjusting apparatus. 2,040,778; May 12.
Morgan, Marcella U., Streator, Ill. Carpet sweeper. 2,040,623; May 12.
Morrell, Jacque C. (See Egloff, G., and Morrell.)

Morrell, Jacque C., and G. Egloff, assignors, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,040,395; May 12.

Morrell, Jacque C., and G. Egloff, assignors, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,040,396; May 12.

Morrill, Alfred R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon shoes. 2,040,756; May 12.

Morris Paper Mills. (See Powell, Henry K., assignor.)

Morrison, Edward A., Fairfax, Calif. Fluid fuel burner. 2,040,523; May 12.

Morrison, Willard L., Lake Forest, Ill. Vehicle wind detector. 2,040,624; May 12.

Morschel, Heinrich, Cologne-Deutz, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Arylamides of 5, 6, 7, 8-tetrahydro-2-hydroxynaphthalene-3-carboxylic acid. 2,040,397; May 12.

Mossberg Pressed Steel Corporation. (See Olson, R. V., and Radlauer, assignors.)

Moulet, Jean L. L. A. A., Boulogne-sur-Seine, assignor to Martin Moulet & Cie., Oullins (Rhone) France. Pump. 2,040,667; May 12.

Moulet, Martin, & Cie. (See Moulet, Jean L. L. A. A., assignor.)

Müller, Rudolf. (See Honold, E., and Müller.)

Mullett, Howard A., and H. E. Heine, assignors to Bradley Washfountain Company, Milwaukee, Wis. Washfountain. 2,040,266; May 12.

Mulligan, Paul C., assignor of one-half to H. E. Myers and one-half to himself, Seattle, Wash. Opposed piston engine. 2,040,182; May 12.

Multigraph Company. (See Hagelin, William T., assignor.)

Mumma, Harold J., Glendale, Calif. Fruit marking appliance. 2,040,526; May 12.

Mumma, Harold J., Glendale, and Z. Leonard, Los Angeles, assignors to Ahlburg Company, Los Angeles, Calif. Box marking appliance. 2,040,524; May 12.

Mumma, Harold J., Glendale, and F. Ahlburg, assignors to Ahlburg Company, Los Angeles, Calif. Fruit marking machine. 2,040,525; May 12.

Murphy, Nellie S., Orlando, Fla. Infant's nursing bottle and nipple holder. 2,040,757; May 12.

Murray Corporation of America, The. (See Westrope, Fred J., assignor.)

Myers, Harry E. (See Mulligan, Paul C., assignor.)

Myers, Philip B. (See Nikitin, A. A., Myers, and Adams.)

Myers, Wayne V., London, England. Container for lubricating oil. 2,040,625; May 12.

Nathanson, Anna M. (See Nathanson, Matthew A., assignor.)

Nathanson, Matthew A., assignor to A. M. Nathanson, Brookline, Mass. Foundation garment. 2,040,398; May 12.

National Aniline & Chemical Company. (See Coward, Harold W., assignor.)

National Log Construction Co. (See Tahvonen, C., and Wright, assignors.)

National Pumps Corporation et al. (See Saarinen, A. J., and Curtis, assignor.)

National Smelting Company, The. (See Frost, John G. G., assignor.)

National Steel Container Corporation. (See Norwood, Jens B., assignor.)

National Tube Company. (See Bannister, Bryant, assignor.)

National Tube Company. (See Chappell, Eugene L., assignor.)

National Tube Company. (See Dudley, Wray, assignor.)

Nauert, Carl H., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Refrigerator cabinet insulation. 2,040,399; May 12.

Nsugler, Walter E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Spray collector. 2,040,758; May 12.

Nebel, Max, Chemnitz, Germany. Apparatus for making plush fabric. 2,040,326; May 12.

Nelson, William, New York, N. Y. Combination table and ironing board. 2,040,211; May 12.

Nerney, George E., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 2,040,527; May 12.

Nichols, John T., Pittsburgh, Pa. Thermocouple testing apparatus. 2,040,495; May 12.

Nichols, William H., Dallas, Tex. Pile driving attachment. 2,040,668; May 12.

Nicodemus, Otto, and W. Schmidt, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Aminobutane-disulphonic acids and alkyl-substitution products thereof and preparing them. 2,040,626; May 12.

Niedringhaus, Inc. (See Woehler, Henry G., assignor.)

Nieman, Henry W., Bethlehem, Pa., assignor to Bethlehem Steel Company. Treating sheet metal. 2,040,442; May 12.

Nikitin, Alexander A., and P. B. Myers, Newark, and J. F. Adams, Wilmington, Del., assignors to W. C. O'Kane, Durham, N. H., and P. Moore, Washington, D. C., Trustees of Crop Protection Institute, Washington, D. C. Fungicide and insecticide. 2,040,811; May 12.

Nore, Waldo D., Pitcairn, Pa. Safety tire. 2,040,759; May 12.

Northrup, Edwin F., Princeton, assignor to Ajax Electrothermic Corporation, Ajax Park, N. J. Heating method and apparatus. 2,040,760; May 12.

Norton, Arthur J., and F. W. Less, assignors to General Plastics, Inc., North Tonawando, N. Y. Synthetic resin for varnishes. 2,040,812; May. 12.

Norwood, Jens B., Chicago, Ill., assignor to National Steel Container Corporation. Ring for securing heads to containers. 2,040,779; May 12.

Odmark, August E., Spring Lake, Mich. Cabinet clamp. 2,040,669; May 12.

Ogloblinsky, Gregory N., Collingswood, N. J., assignor to Radio Corporation of America, New York, N. Y. Television system. 2,040,813; May 12.

O'Kane, Walter C., trustees et al. (See Nikitin, A. A., Myers, and Adams.)

Olesen, Nicolai, Salinas, Calif. Positive feed fountain paint brush. 2,040,327; May 12.

Olson, Raymond E., assignor to Taylor Instrument Companies, Rochester, N. Y. Heat regulating system. 2,040,328; May 12.

Olson, Robert V., Attleboro, Mass., and A. M. Radlauer, Pawtucket, R. I., assignors to Mossberg Pressed Steel Corporation. Tension device. 2,040,705; May 12.

Orr, Claude L., Bexley, assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Center bolster for six-wheel trucks. 2,040,706; May 12.

Orth, Richard T., Orange, N. J., assignor to Radio Corporation of America. Electron discharge device. 2,040,267; May 12.

Orthner, Ludwig. (See Becker, W., Orthner, and Blömer.)

Orthner, Ludwig, Leverkusen-I. G. Werk, and A. Doser, Colonge-Mulheim, assignors to I. G. Farben-Industrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Water-soluble condensation products. 2,040,212; May 12.

Orton, Harvey L., Akron, Ohio. Hair drying apparatus. 2,040,268; May 12.

Osborn, Robert R., Kenmore, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Control mechanism for auxiliary wing flaps. 2,040,496; May 12.

Ostromislensky, Iwan, assignor to Astro Research Laboratories, Inc., New York, N. Y. Therapeutics for killing bacteria. 2,040,183; May 12.

Otis Elevator Company. (See Pinto, A., and Waite, assignors.)

Packard Motor Car Company. (See Edwards, Herbert C., assignor.)

Packard Motor Car Company. (See Griswold, Walter R., assignor.)

Paganello, Nunzio, Brooklyn, N. Y. Eye mounting for dolls. 2,040,329; May 12.

Pagenkopf, Walter H., La Grange, and R. L. Hanson, Downers Groove, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Strand handling device. 2,040,330; May 12.

Palmer, Bessie L., Administratrix. (See Palmer, Harry.)

Palmer, Harry, deceased, late of Malden, by B. L. Palmer, administratrix, assignor to Palmer Inventions, Inc., Allston, Mass. Liquid fuel distributing apparatus. 2,040,707; May 12.

Palmer Inventions, Inc. (See Palmer, Harry, assignor.)

Para Fabrics Corporation. (See Bodmer, Albert, assignor.)

Parsons, C. A., and Company. (See Bedford, F. G. H., and Gibb, assignors.)

Parsons, Fred A., Milwaukee, assignor to Kearney & Trecker Corporation, West Allis, Wis. Milling machine organization. 2,040,528; May 12.

Parsons Marine Steam Turbine Company, The. (See Cook, S. S., and Douglas, assignors.)

Pasholan, Harry G., Worcester, Mass. Paper clips. 2,040,443; May 12.

Paterson, Alexander, Buffalo, N. Y. Backing roll for sheet or pack rolling mills. 2,040,400; May 12.

Patrol Valve Company, The. (See Marvin, John. T., assignor.)

Pavia, Luigi, Allentown, Pa. Shuttle. 2,040,670; May 12.

Pearl, John W., Yeadon, Pa., assignor to The Barrett Company, New York, N. Y. Apparatus for saturating absorbent sheet material. 2,040,529; May 12.

Peerless Manufacturing Corporation. (See Lukemeier, William F., assignor.)

Penn Electric Switch Co. (See Persons, Lawrence M., assignor.)

Pennington Engineering Company. (See Pennington, Gordon R., assignor.)

Pennington, Gordon R., Grosse Pointe, Mich., assignor to Pennington Engineering Company, Cleveland, Ohio. Fabricating casing structures for shock absorbers and the like. 2,040,152; May 12.

Pennsylvania Salt Manufacturing Company. (See Sweetland, E., and Vander Cook, assignor.)

Perbal, Albert C. (See Johnson, H. M., and Perbal.)

Perkins, Ralph P. (See Britton, E. C., Perkins, and Lundquist.)

Peron, Anthony, New York, N. Y. Pot. 2,040,102; May 12.

Perrier, Daniel, Unieux (Loire), assignor of one-half to Société Anonyme Francais Said: Anciens Etablissements Cime, Paris, France. Centrifugal machine. 2,040,213; May 12.

Perry, Henry H. (See Lohrke, J. L., and Perry.)

Persons, Lawrence M., assignor to Penn Electric Switch Co., Des Moines, Iowa. Pump or motor construction. 2,040,401; May 12.

Persons, Lawrence M., assignor to Penn Electric Switch Co., Des Moines, Iowa. Electric control apparatus for fuel burners. 2,040,402; May 12.

Persons, Lawrence M., assignor to Penn Electric Switch Co., Des Moines, Iowa. Electro-hydraulic control structure. 2,040,403; May 12.

Persons, Lawrence M., assignor to Penn Electric Switch Co., Des Moines, Iowa. Switch structure with differential adjustment. 2,040,404; May 12.

Persons, Lawrence M., assignor to Penn Electric Switch Co., Des Moines, Iowa. Switch structure with means to prevent arcing upon circuit closure. 2,040,405; May 12.

Persson, Linus, Braddock, N. Dak. Road-grader level. 2,040,708; May 12.

Peruzzini, Henry. (See Cronyn, V. J., and Peruzzini.)

Peterman, Albert J., assignor to The Timken Roller Bearing Company, Canton, Ohio. Pinion shaft bearing. 2,040,793; May 12.

Peterson, Harold P., et al. (See Jones, Jacob, assignor.)

Peterson, Seth, Oak Park, assignor by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Automatic telephone syseem. 2,040,153; May 12.

Pettler, Eugene H., Beaver Falls, Pa. Brick veneer. 2,040,627; May 12.

Peyrebrune, Henri E., River Forest, assignor to The Miehle Printing Press and Manufacturing Company, Chicago, Ill. Vibrating mechanism. 2,040,331; May 12.

Phelps Dodge Corporation. (See Fowler, M. G., and Barker, assignors.)

Phillips, Albert J., Metuchen, and C. E. Swartz, Highland Park, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Melting and handling cadmium and its alloys. 2,040,269; May 12.

Phillips, John J., Fairfield, Ala. Making ammonium phosphates. 2,040,563; May 12.

Phillips Petroleum Company. (See Youker, Malcolm P., assignor.)

Pinto, Anthony, New Rochelle, and R. A. Waite, Yonkers, assignors to Otis Elevator Company, New York, N. Y. Elevator control system. 2,040,184; May 12.

Pipper, Arnold L., West Orange, N. J., asignor to Radio Corporation of America. Electron discharge device. 2,040,530; May 12.

Pittsburgh Rolls Corporation. (See Wilson, Bert A., assignor.)

Pneumatic Scale Corporation, Limited. (See Howard, Stanley R., assignor.)

Pomeroy, Ollin K., Sr., assignor of forty per cent to J. S. Strickland, Fort Myers, Fla. Window. 2,040,332; May 12.

Pool, David F., Washington, D. C. Gas generator. 2,040,270; May 12.

Porter, George W., Ventura, Calif. Construction of showcases and the like. 2,040,497; May 12.

Powell, Henry K., assignor to Morris Paper Mills, Chicago, Ill. Carton setting-up device. 2,040,154; May 12.

Powell, Horace M., assignor to Eli Lilly and Company, Indianapolis, Ind. Common-cold antigen. 2,040,794; May 12.

Pratt, Goodrich B. (See Barber, G. H., and Pratt.)

Pratt, William B., Wellesley, Mass., assignor to J. Abbott, E. D. Chadwick and M. B. May, Trustees, Winchester, Mass. Treatment of cotton goods. 2,040,795; May 12.

Prince, Charles E., Kittery, Maine. Eddy current minimizer. 2,040,103; May 12.

Pruitt, Harvey E., Flint, Mich. Grinding machine. 2,040,709; May 12.

Putnam, Walter B., Cherryville, N. C. Seed gathering device. 2,040,498; May 12.

Rabkin, Morris A., Camden, N. J., assignor to Radio Corporation of America. Receiver control. 2,040,531; May 12.

Radasch, Arthur H., Bloomfield, N. J., assignor to The Barrett Company, New York, N. Y. Tar treatment. 2,040,104; May 12.

Radio Corporation of America. (See Bonanno, Joseph L., assignor.)

Radio Corporation of America. (See Carter, Philip S., assignor.)

Radio Corporation of America. (See Lowell, Percival D., assignor.)

Radio Corporation of America. (See Ogloblinsky, Gregory N., assignor.)

Radio Corporation of America. (See Orth, Richard T., assignor.)

Radio Corporation of America. (See Pipper, Arnold L., assignor.)

Radio Corporation of America. (See Rabkin, Morris A., assignor.)

Radlauer, Arthur M. (See Olson, R. V., and Radlauer.)

Radlein, Edward J. (See Holmes, Sydney V., assignor.)

Raffenbeul, Gust., G. m. b. H. (See Hockelmann, Julius, assignor.)

Raible, Charles G., Shaker Heights, assignor to The Fanner Manufacturing Company, Cleveland, Ohio. Bush. 2,040,499; May 12.

Ramirez, Angelo, Jr., Brooklyn, and A. Schiavi, New York, N. Y. Electrical switch. 2,040,214; May 12.

Rancke, Hinrich, Cranz-Neuenfelde, Germany. Flushing device. 2,040,444; May 12.

Rapley, Frederic A., Golders Green, London, England. Printed waxed paper. 2,040,564; May 12.

Rathbun, Edward, Toledo, Ohio. Maneuvering control for reversible engines. 2,040,333; May 12.

Rava, Alexander, Chicago, Ill. Making refractory materials. 2,040,215; May 12.

Recker, Adolph C., Watertown, assignor to The Chase Companies, Incorporated, Waterbury, Conn. Branch-fitting and method of making. 2,040,628; May 12.

Reece Button Hole Machine Company, The. (See Kenny, Michael J., assignor.)

Reed, Clair S., assignor to Reynolds Spring Company, Jackson, Mich. Spring structure. 2,040,780; May 12.

Reed Propeller Co., The. (See Chilton, Roland, assignor.)

Reed, Raymond E., assignor to The Kendall Company, Chicago, Ill. Chemical heating composition and chemically producing heat. 2,040,406; May 12.

Reed, Raymond E., Oak Park, assignor to The Kendall Company, Chicago, Ill. Chemical heating composition. 2,040,407; May 12.

Remington Typewriter Company. (See Benner, Russell E., assignor.)

Renholdt, John E., Bridgeport, Conn., assignor to Dictophone Corporation, New York, N. Y. Dictating machine. 2,040,781; May 12.

Research Corporation. (See Hedberg, C. W. J., and Hesson, assignors.)

Reynolds, John N., Princeton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Crossbar switch. 2,040,334; May 12.

Reynolds Spring Company. (See Reed, Clair S., assignor.)

Riall, Troy A., Silvis, Ill. Carburetor mechanism. 2,040,185; May 12.

Ricard, Arthur P., Slater, Mo. Float valve. 2,040,272; May 12.

Rice, Owen R., assignor to Freyn Engineering Company, Chicago, Ill. Blast furnace construction. 2,040,532; May 12.

Richardson, Linwood T., assignor to Cutler-Hammer, Inc., Milwaukee, Wis. Pressure moldable insulating compositions and method of making. 2,040,671; May 12.

Richter, Ernest W., Chicago, Ill. Control pedal. 2,040,672; May 12.

Riddell, John T., Chicago, Ill. Athletic shoe sole plate. 2,040,186; May 12.

Riehl, Frederick H., Sandusky, Mich. Ground rolling and pulverizing implement. 2,040,710; May 12.

Riley, Percy, Coventry, England. Transmission and change speed mechanism. 2,040,711; May 12.

Ripley, Charles T., Wilmette, Ill. Spring packing for journal boxes. 2,040,629; May 12.

Ritchie, David M. (See Schoepf, T. H., and Ritchie.)

Rittinghausen, Carl M., Bad Soden-on-the-Taunus, and R. Haynn, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyeing animal fibers with metal complex compounds of organic acid dyestuffs. 2,040,796; May 12.

Ritzert, Norman J., assignor to The Dayton Rubber Mfg. Company, Dayton, Ohio. Process and apparatus for latexing cords. 2,040,105; May 12.

Riviere, Albert S., Arlington Heights, assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,040,408; May 12.

Rizzolla, Michele. (See Mardigian, S., and Rizzolla.)

Robe, Walten B., Towson, assignor, by mesne assignments, to W. B. Wright, Baltimore, Md. Controlling solid CO_2 for refrigeration purposes. 2,040,631; May 12.

Robertson, Louis. (See Graham, G. H., and Robertson.)

Robertson, Stewart, Coventry, assignor to Courtaulds Limited, London, England. Manufacture and production of colored artificial filaments, threads, bands, and the like. 2,040,712; May 12.

Robinson, Arthur S., Astoria, N. Y. Set-mark preventer for looms. 2,040,565; May 12.

Robinson, Jack, Wood River, assignor to Standard Oil Company, Chicago, Ill. Preparation of emulsifying soaps. 2,040,673; May 12.

Roder, Oskar. (See Siegens, H., and Roder.)

Roebling's, John A., Sons Company. (See Browne, George T., assignor.)

Rogers, Harold G., assignor to Irving Air Chute Company, Inc., Buffalo, N. Y. Parachute harness. 2,040,533; May 12.

Rohn, Wilhelm. (See Gruber, H., and Rohn.)

Rohn, Wilhelm, assignor to Heraeus-Vacuumschmelze A. G., Hanau-on-the-Main, Germany. Vacuum method of manufacturing steel. 2,040,566; May 12.

Rosche, Fred C., et al. (See Wagner, Albert G., assignor.)

Rose, Ernest H., Los Angeles, and W. T. MacDonald, La Jolla, Calif. Separating solids by flotation. 2,040,187; May 12.

Rose, John J., Dayton, Ohio. Ignition timing apparatus. 2,040,106; May 12.

Rosenzweig, David, Perth Amboy, N. J. Handbag. 2,040,271; May 12.

Rosmait, John A., Manistee, Mich. Valve bag. 2,040,335; May 12.

Rosmait, John A., Manistee, Mich. Valve bag. 2,040,336; May 12.

Rosmait, John A., Manistee, Mich. Moisture resistant valve bag. 2,040,337; May 12.

Rosmait, John A., Manistee, Mich. Valve bag. 2,040,338; May 12.

Ross, Justin E., Kansas City, Mo. Golf bag cart. 2,040,339; May 12.

Roth, Gabriel B., Philadelphia, Pa. Soundproof construction. 2,040,534; May 12.
Rothschmitt, Anton, Irvington, assignor to Walter Kidde & Company, Inc., Bloomfield, N. J. Spherical boring head. 2,040,761; May 12.
Rottler, Clarence T., Seattle, Wash. Portable boring machine and boring bar therefor. 2,040,273; May 12.
Rowe, George E., Wethersfield, assignor to Hartford-Empire Company, Hartford, Conn. Method of and apparatus for manufacturing hollow glassware. 2,040,783; May 12.
Rowe, Marion G., Daytona Beach, Fla. Fishing line washer and drier. 2,040,567; May 12.
Rowe, William H., New York, N. Y. Coin selector. 2,040,274; May 12.
Rusch, Henri, St. Louis, Mo. Dirigible passenger station. 2,040,535; May 12.
Rush, Raymond W., et al. (See Long, George E., assignor.)
Russakov, Jacob I., Chicago, Ill. Pane retainer. 2,040,340; May 12.
Russell, Robert C., Detroit, Mich. Servo mechanism. 2,040,409; May 12.
Saarinen, Armas J., San Francisco, Calif., and W. H. Curtis, Dayton, Ohio, said Saarinen assignor to Granberg Meter Corporation, San Francisco, Calif., and said Curtis, assignor to National Pumps Corporation, Dayton, Ohio. Resettable register. 2,040,568; May 12.
Sachs, Georg, and A. Burkhardt, Frankfort-on-the-Main, Germany, assignors to American Lurgi Corporation, New York, N. Y. Alloy containing copper and phosphorus. 2,040,797; May 12.
Sacker, Frank, assignor of three-fourths to A. Marty and one-fourth to H. J. Lamboley, Monroe, Wis. Antibutting device. 2,040,410; May 12.
Sadgebury, Herman F., and W. M. Carroll, Dayton, assignors, by mesne assignments, to Central United National Bank, Cleveland, Ohio, as trustee. Operating means for counters. 2,040,500; May 12.
Safety Bumpers Limited. (See Clifford, Vernon J., assignor.)
Sakamoto, Taneyoshi, Tokyo, Japan. Vertical lift bridge. 2,040,445; May 12.
Sawford, Frank, Vancouver, British Columbia, Canada. Movement measuring recorder. 2,040,501; May 12.
Saxe, Walter E., Altadena, Calif. Material separation. 2,040,502; May 12.
Saxe, Walter E., Altadena, Calif. Material separator. 2,040,503; May 12.
Schiavi, Angelo. (See Ramirez, A., Jr., and Schiavi.)
Schlitt, Joseph L. (See Wilkinson, W., and Schlitt.)
Schlitt, Joseph L., Darien, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Separation and recovery of krypton and xenon from gaseous mixtures containing them. 2,040,107; May 12.
Schlitt, Joseph L., Darien, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Rocovery of krypton and xeron. 2,040,108; May 12.
Schmidt, John, Buffalo, N. Y., and E. C. Eberts, Jeffersonville, Ind.; said Schmidt assignor to Food Machinery Corporation. Fruit and vegetable grading machine. 2,040,569; May 12.
Schmidt, Otto, assignor to Wurlitzer Grand Piano Company, De Kalb, Ill. Accordion shift mechanism. 2,040,570; May 12.
Schmidt, Walter. (See Nicodemus, O., and Schmidt.)
Schmierer, Johannes M., Berlin-Lichterfelde, Germany. Electronic tube system. 2,040,341; May 12.
Schneider, Frank H., Spring City, assignor to The Floyd-Wells Company, Royersford, Pa. Gas burner. 2,040,446; May 12.
Schoepf, Theodore H., and D. M. Ritchie, assignors to The Cincinnati Traction Bldg. Company, Cincinnati, Ohio. Magnetic track brake system. 2,040,814; May 12.
Schoonmaker, Carl, New York, N. Y. Telltale closure device. 2,040,798; May 12.
Schoonover, Noah E., assignor of forty-five per cent to F. Westerman, Fort Rice, N. Dak. Castration clamp. 2,040,536; May 12.
Schottky, Walter, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Photoelectric generator. 2,040,632; May 12.
Schulte, Edward J., et al. (See Long, G. E., Rush, and Schulte.)
Schulz, E. Fred, Forest Park, assignor to A. R. Harmon, LaGrange, and K. H. Clark, Villa Park, Ill. Attachment for musical instruments. 2,040,633; May 12.
Scott, Lewis L., St. Louis, Mo. Automatic valve. 2,040,342; May 12.
Sears, Floyd A., Rome, N. Y. Automatic camera. 2,040,216; May 12.
Seitz, Charles, assignor, by mesne assignments, to The Bossert Company, Inc., Utica, N. Y. Metal barrel. 2,040,275; May 12.
Sekyra, Charles J., Troy, Ohio, assignor of one-half to Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,040,634; May 12.
Selényi, Paul, Budapest, assignor to Egyesult Izzolampa es Villamossagi rt., Ujpest, Hungary. Discharge vessel and making same. 2,040,571; May 12.
Serrell, John A., Passagrille, Fla., assignor to Warren Webster & Company, Camden, N. J. Remote control apparatus. 2,040,447; May 12.
Servel, Inc. (See Hainsworth, William R., assignor.)
Servel, Inc. (See Nauert, Carl H., assignor.)
Severance, Spencer W., and J. W. Kessler, Pittsfield, Mass., assignors to General Electric Company. Contact pin for vacuum tubes and method of molding. 2,040,674; May 12.
Shaffer, Aaron, Saginaw, Mich. Convertible tool. 2,040,713; May 12.
Shearwood, Frederick P., assignor to Dominion Bridge Company, Limited, Montreal, Quebec, Canada. Cable anchor. 2,040,572; May 12.
Shell Development Company. (See van Peski, Adrianus J., assignor.)
Shinner, Ernest G., Chicago, Ill. Insect trap and lamp. 2,040,276; May 12.
Shoemaker, Richard W., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Coupling joint for tubes, etc. 2,040,155; May 12.
Shroyer, Jacob L., Oak Park, assignor to Edison General Electric Appliance Company, Chicago, Ill. Bake oven. 2,040,675; May 12.
Shute, Charles W., Hyde Park, Boston, assignor to F. T. Walsh, doing business as Thomas Leyland Machinery Company, Boston, Mass. Bowed expander roll. 2,040,411; May 12.
Sieder, Everett N. (See Dean, D. K., and Sieder.)
Siegel, David T., Chicago, Ill. Rheostat and potentiometer. 2,040,277; May 12.
Siegel, David T., Chicago, Ill. Rheostat. 2,040,278; May 12.
Siegel, Samee, assignor of one-third to J. Feldman, and one-third to F. Feldman, Lynchburg, Va. Fan attachment. 2,040,504; May 12.
Siegens, Hans, Goslar, and O. Roder, Langelsheim, Germany, assignors to American Lurgi Corporation, New York, N. Y. Production of lithium salts. 2,040,573; May 12.
Siemens & Halske Aktiengesellschaft. (See Mathias, Maximilian, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Schottky, Walter, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Strecker, Felix, assignor.)
Siemens-Schuckertweke Aktiengesellschaft. (See Hanff, Ferdinand, assignor.)
Silten, Ernst, Berlin, Germany. Vaporization apparatus. 2,040,630; May 12.
Simmons, Charles, et al. (See Graham, Jack L., assignor.)
Simons, Abraham, New York, N. Y., and C. D. Johnson, Worcester, Mass. Apparatus and method for heat-treating wire. 2,040,343; May 12.
Sisson, Glen R., Pendleton, Ind. Automatic choke. 2,040,505; May 12.
Slack, Charles M., Glen Ridge, and A. H. Laidig, Bloomfield, N. J., assignors to Westinghouse Lamp Company. Shockproof X-ray tube. 2,040,156; May 12.
Smellie, Donald G., Canton, assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,040,188; May 12.
Smith, Boyd H., Berwick, Pa. Fisherman's landing net. 2,040,714; May 12.
Smith, Elma V., Evanston, Ill. Liquid blasting. 2,040,715; May 12.
Smith, Karl D., assignor to Union Steam Pump Company, Battle Creek, Mich. Viscolizer valve. 2,040,537; May 12.
Smith, Nelson P., assignor of three-fourths to J. G. Best, and one-fourth to P. W. Matthews, Toronto, Ontario, Canada. Animated sign and method of operating it. 2,040,538; May 12.
Smulski, Theodore J., assignor to The Anderson Company, Gary, Ind. Indicator. 2,040,217; May 12.
Sobel, Adolph J., Brooklyn, N. Y. Garter. 2,040,635; May 12.
Società Italiana Pirelli. (See Emanuell, Luigi, assignor.)
Société Anonyme Francaise. (See Perrier, Daniel, assignor.)
Soderberg, Carl R., Swarthmore, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Turbine gland. 2,040,218; May 12.
Sorensen, Andrew J., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for railway communication systems. 2,040,412; May 12.
Soss, Joseph, Roselle, N. J. Concealed hinge. 2,040,279; May 12.
Specialty Insulation Manufacturing Company. (See Batcholts, Clinton, assignor.)
Spence, Paulsen, East Orange, N. J. Temperature control device. 2,040,109; May 12.
Spencer, John A., Newtonville, assignor to General Plate Company, Attleboro, Mass. Thermostatically controlled device. 2,040,762; May 12.
Sperry Gyroscope Company Inc. (See Thomas, Harold L., assignor.)
Speth, Leonard S. (See Cole, D. S., and Speth.)
Speth, Leonard S., assignor, by mesne assignments, to The Leece-Neville Company, Cleveland, Ohio. Electric generating system. 2,040,448; May 12.
Square D Company. (See Mekelburg, Earl F., assignor.)
Standard Brands, Incorporated. (See Epstein, A. K., and Harris, assignors.)
Standard Oil Company. (See Kuentzel, W. E., and Geissman, assignors.)

Standard Oil Company. (See Robinson, Jack, assignor.)
Stedefeld, Curt, et al. (See Heyner, Fritz, assignor.)
Stedefeld, Curt. (See Kruckenberg, F., Stedefeld, and Black.)
Steel Heddle Manufacturing Company. (See Kaufmann, John J., assignor.)
Steel & Tubes, Inc. (See Miller, Carl J., assignor.)
Stern, Joseph M., Company et al., The. (See Kaderbeck, George J., assignor.)
Stevens, Clarence C., Forestville, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Grinding machine. 2,040,449; May 12.
Stevens, William W., and C. P. Buhl, Dallas, Tex. Cooking utensil. 2,040,676; May 12.
Stoneberg, Fred. (See Galum, J. C., Jr., and Stoneberg.)
Story, Edward B., Dormont, and W. T. Case, Beaver, assignors to A. M. Byers Company, Pittsburgh, Pa. Mechanism for delivering material. 2,040,157; May 12.
Strauss, Jerome, Pittsburgh, assignor to Vanadium Corporation of America, Bridgeville, Pa. Welding material. 2,040,189; May 12.
Strecker, Felix, Berlin-Siemensstadt, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Copying lenticulated films. 2,040,280; May 12.
Streeter-Amet Company. (See Brendel, Max E., assignor.)
Strickland, James S. (See Pomeroy, Ollin K., Sr., assignor.)
Stromberg Electric Company. (See Jackson, Edward B., assignor.)
Stull, John S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Threading tool. 2,040,344; May 12.
Suits, Chauncey G., Schenectady, N. Y., assignor to General Electric Company. Pulsation apparatus. 2,040,677; May 12.
Summers, Claude M., Fort Wayne, Ind., assignor to General Electric Company. Electric circuit control means. 2,040,763; May 12.
Summers, Lee A., Washington, D. C. Motor vehicle engine control. 2,040,716; May 12.
Sunnen, Joseph, Kirkwood, Mo. Engine cylinder grinding machine. 2,040,281; May 12.
Sutcliffe, Edgar R., Lowton, Newton-Le-Willows, England. Apparatus for loading or piling bricks or the like. 2,040,574; May 12.
Swanson, Swan G., Chicago, Ill. Automatic transmission. 2,040,450; May 12.
Swart, Leland K., Mountain Lakes, N. J., assignor to American Telephone and Telegraph Company. Electrical protective system. 2,040,219; May 12.
Swartz, Carl E. (See Phillips, A. J., and Swartz.)
Swartz, Carl E., Highland Park, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Coating ferrous metals with cadmium. 2,040,282; May 12.
Swartz, Carl E., Highland Park, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Flux for cadmium and its alloys and regenerating same. 2,040,283; May 12.
Sweetland, Earl, Grosse Isle, and R. E. Vander Cook, Inkster, Mich., assignors to Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Purifying concentrated caustic soda solutions. 2,040,717; May 12.
Swift, Claude E. (See Bray, U. B., and Swift.)
Swift and Company. (See McKee, Harry H., assignor.)
Swift, George W., Jr., assignor to George W. Swift, Jr., Inc., Bordentown, N. J. Method and apparatus for making sanitary napkins. 2,040,799; May 12.
Swift, George W., Jr., Inc. (See Swift, George W., Jr., assignor.)
Swingspout Measure Company. (See Wiswell, Ozro N., assignor.)
Symington, R. & W. H., & Company Limited. (See Jackson, Roland T., assignor.)
Tahvonen, Carl, and R. A. Wright, assignors to National Log Construction Co., Grayling, Mich. Building and log construction. 2,040,110; May 12.
Talmadge, Frank C. (See Tubbs, Ernest A., assignor.)
Tarkington, Wilson, assignor of one-half to S. J. Lucia, E. M. Lucia, and J. Matranga, Houston, Tex. Baller. 2,040,413; May 12.
Tautz, Herbert E., assignor to Delta Manufacturing Company, Milwaukee, Wis. Trunnion. 2,040,718; May 12.
Taylor, Clyde A., Chicago, Ill., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake device. 2,040,451; May 12.
Taylor, George, Penwortham, Preston, England. Safety razor. 2,040,345; May 12.
Taylor Instrument Companies. (See Brown, H. Brainard, assignor.)
Taylor Instrument Companies. (See Hubbard, Karl H., assignor.)
Taylor Instrument Companies. (See Olson, Raymond E., assignor.)
Taylor, Scelt E. (See Engman, R. F., and Taylor.)
Teisberg, Henry A., Cottage Grove, Wis. Ensilage distributor. 2,040,506; May 12.
Telephon-Apparat-Fabrik E. Zwietusch & Co. C. m. b. H. (See Binlek, Georg, assignor.)
Tell, David E., San Francisco, Calif. Method and apparatus for measuring and controlling absolute pressure. 2,040,284; May 12.
Teller, Jacob, New Rochelle, assignor to Teller Stove Designing Corporation, New York, N. Y. Stove and range construction. 2,040,346; May 12.
Teller Stove Designing Corporation. (See Teller, Jacob, assignor.)
Tennessee Valley Authority. (See Curtis, Harry A., assignor.)
Terry, Matson C., Detroit, Mich., assignor to Westinghouse Electric & Manufacturing Company. Pump for refrigeration apparatus. 2,040,507; May 12.
Texas Company, The. (See Esch, Joseph F., assignor.)
Thomas, Harold L., London, England, assignor to Sperry Gyroscope Company Inc., Brooklyn, N. Y. Electric arc lamp. 2,040,414; May 12.
Thomas, Robert R., Oak Hill, W. Va. Burial apparatus 2,040,220; May 12.
Thompson, Milton E., Ridgway, Pa. Operating small output alternating current motors and circuit arrangements therefor. 2,040,508; May 12.
Thornburg, Herbert W., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Hopper. 2,040,111; May 12.
Thornton, John E., Jersey, Channel Isles. Production of color cinematograph films. 2,040,575; May 12.
Tietz, William J., Hinsdale, and F. J. Lengvenis, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y. Measuring fluid pressure. 2,040,285; May 12.
Timken Roller Bearing Company, The. (See Buckwalter, Tracy V., assignor.)
Timken Roller Bearing Company, The. (See Peterman, Albert J., assignor.)
Timmerbell, Erich, Schwelm in Westphalia, Germany. Tool for joining the ends of iron bands. 2,040,576; May 12.
Tomasello, Samuel J. (See Crower, Richard M., assignor.)
Torrese, Apollo, Philadelphia, Pa. Pipe. 2,040,190; May 12.
Torsion Balance Company, The. (See Becker, Christopher A., assignor.)
Tosterud, Martin. (See Mason, R. B., and Tosterud.)
Tozzi, John J., New York, N. Y. Fruit box. 2,040,286; May 12.
Triple-A-Specialty Company. (See Eden, Harold W., assignor.)
Troller, Theodor, Akron, Ohio. Fan construction. 2,040,452; May 12.
Trottier, John E., New York, assignor of one-half to J. Healy, Riverdale, N. Y. Hanger. 2,040,415; May 12.
Tubbs, Ernest A., Long Island City, assignor to F. C. Talmadge, Forest Hills, N. Y. Electrical signaling system. 2,040,221; May 12.
Tube Reducing Corporation. (See Coe, George B., assignor.)
Tullis, Boyd W., Wichita, Kans. Hydrocarbon fuel burning stove. 2,040,222; May 12.
Tullis, Boyd W., Wichita, Kans. Vaporizing generator. 2,040,223; May 12.
Türk, Wilhelm, Cologne-Deutz, Germany. Support for inking mechanism. 2,040,158; May 12.
Twyman, B., Wickliffe, assignor to Lavine Gear Company, Milwaukee, Wis. Finishing helical forms. 2,040,347; May 12.
Union Oil Company of California. (See Bray, U. B., and Swift, assignors.)
Union Special Machine Company. (See Riviere, Albert S., assignor.)
Union Steam Pump Company. (See Smith, Karl D., assignor.)
Union Switch & Signal Company, The. (See Bossart, Paul N., assignor.)
Union Switch & Signal Company, The. (See Sorensen, Andrew J., assignor.)
Union Switch & Signal Company, The. (See Woodforde, John, assignor.)
United Air Cleaner Co. (See Hallerberg, Theodore W., assignor.)
United Carbon Company. (See Grote, Hans W., assignor.)
United Milk Crate Corporation, The. (See Krueger, F. G., and Lion, assignors.)
United Shoe Machinery Corporation. (See Bagshaw, Charles M., assignor.)
United Shoe Machinery Corporation. (See Cummings, R. W., Knowles, and Eppler, assignors.)
United Shoe Machinery Corporation. (See Foster, Fred L., assignor.)
United Shoe Machinery Corporation. (See Hall, Alfred E. C., assignor.)
United Shoe Machinery Corporation. (See Jorgensen, Bernhardt, assignor.)
United Shoe Machinery Corporation. (See Morrill, Alfred R., assignor.)
United Shoe Machinery Corporation. (See Naugler, Walter E., assignor.)
United States Rubber Company. (See Adamson, Percy, assignor.)
United States Rubber Company. (See Gammeter, John R., assignor.)
Universal Oil Products Company. (See Egloff, G., and Morrell, assignors.)

Universal Oil Products Company. (See Morrell, J. C., and Egloff, assignors.)
Upson, Maxwell M., Englewood, N. J. Treating refuse and making building materials therefrom. 2,040,416; May 12.
Urschel, Bertis H., Bowling Green, Ohio. Tubular axle. 2,040,577; May 12.
Usinger, Matthias C., Media, assignor to Federal Container Company, Philadelphia, Pa. Box. 2,040,224; May 12.
Utt, Jack H., et al. (See Jones, Jacob, assignor.)
Vacca, Cosmo. (See Holz, Frank, assignor.)
Vanadium Corporation of America. (See Strauss, Jerome, assignor.)
Van Buskirk, James, Evanston, Ill. Line splice. 2,040,678; May 12.
Van Damme, Louis E. (See Lamberty, F. R., and Van Damme.)
Vander Cook, Raymon E. (See Sweetland, E., and Vander Cook.)
Van Nuys, Claude C., Cranford, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Separation and recovery of krypton and xeon from gaseous mixtures containing them. 2,040,112; May 12.
Van Peski, Adrianus J., Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Manufacture of olefine oxides. 2,040,782; May 12.
Veco Corporation. (See Venzie, Frederick M., assignor.)
Venzie, Frederick M., Philadelphia, Pa., assignor to Veco Corporation. Building construction. 2,040,578; May 12.
Vereinigte Stahlwerke Aktiengesellschaft. (See Zimmermann, Hans, assignor.)
Vernet, Sergius, Brooklyn, assignor to Foster Vernay Corporation, New York, N. Y. Circulation of heating mediums in vapor heating systems for automotive vehicles. 2,040,159; May 12.
Vernet, Sergius, Brooklyn, assignor to Foster Vernay Corporation, New York, N. Y. Vapor heater for automotive vehicles. 2,040,160; May 12.
Victor, Benjamin J. (See Victor, John H. and B. J., and Heinze.)
Victor, John H., Wilmette, B. J. Victor, Oak Park, and W. A. Heinze, Chicago, Ill., assignors to Victor Manufacturing & Gasket Company, Chicago, Ill. Saturated asbestos sheet for gaskets and packing. 2,040,348; May 12.
Victor Manufacturing & Gasket Company. (See Heinze, William A., assignor.)
Victor Manufacturing & Gasket Company. (See Victor, John H. and B. J., and Heinze, assignors.)
Vinten, William C., London, England. Fade-out shutter mechanism for cinematograph cameras. 2,040,579; May 12.
Vomag-Betriebs-A. G. (See Walther, Fritz, assignor.)
Von Holtz, Charles T., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn. Receptacle for attachment plug caps. 2,040,113; May 12.
Voortmann, Walter, Dortmund, Germany. Mine blasting and similar operations. 2,040,581; May 12.
Vorech, Stephen, assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Valve. 2,040,580; May 12.
Voss, John H., Downers Grove, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,040,636; May 12.
Vulcan Proofing Company. (See Lewis, R. R., and Weiss, assignors.)
Wacker, Dr. Alexander, Gesellschaft für Elektrochemische Industrie G. m. b. H. (See Halbig, P., and Kaufler, assignor.)
Wagner, Albert G., Reading, Ohio, assignor of one-third to J. G. Kyle and one-third to F. C. Rosche, Reading, Pa. Method and apparatus for fabricating metallic structure. 2,040,349; May 12.
Waite, Raymond A. (See Pinto, A., and Waite.)
Walch, Louis, Monongahela, Pa. Tool shield. 2,040,719; May 12.
Walsh, Frederick T. (See Shute, Charles W., assignor.)
Walther, Fritz, assignor to Vomag-Betriebs-A. G. Plauen in Vogtland, Germany. Chuck. 2,040,225; May 12.
Wanders, Hans H., Hingham, Mass. Box with cover and hinge therefor. 2,040,191; May 12.
Wanko, John J., Baltimore, Md. Glass polishing machine. 2,040,720; May 12.
Ward Leonard Electric Company. (See Logan, Frank G., assignor.)
Ware, Walter C., assignor to Evans Stamping and Plating Company, Taunton, Mass. Reduction gearing. 2,040,287; May 12.
Warren Webster & Company. (See Serrell, John A., assignor.)
Watkins, Edward J., Monrovia, Calif. Color printing attachment for web printing presses. 2,040,226; May 12.
Watkins Fruit Machinery Company. (See Watkins, Harold F., assignor.)
Watkins, Harold F., Oakland, assignor to Watkins Fruit Machinery Company, San Francisco, Calif. Fruit juice extracting machine. 2,040,114; May 12.
Watts, Vilas E., assignor to American Bitumuls Company, San Francisco, Calif. Stable bituminous emulsions and preparing the same. 2,040,115; May 12.
Wean, Raymond J., Warren, Ohio. Annealing. 2,040,679; May 12.
Weber, Jacobus L. W., Leens, Netherlands. Internal combustion engine. 2,040,453; May 12.
Weder, Hermann, Sr. (See Wolff, C. H., and Weder.)
Weiss, Albert J. (See Lewis, R. R., and Weiss.)
Weld, Foster E., assignor to The Gamewell Company, Newton, Mass. Alternating current control system. 2,040,288; May 12.
Wernersson, Frederik, Copenhagen, Denmark. Apparatus for drying and heat treating material. 2,040,227; May 12.
Wernette, Adolph J., San Antonio, Tex. Floor construction. 2,040,350; May 12.
West, Ernest. (See West, Frederick J., and E.)
West, Frederick J. and E., assignors to West's Gas Improvement Company Limited, Miles Platting, Manchester, England. Vertical retort for the carbonization of coal and the like. 2,040,582; May 12.
West, Frederick J. and E., assignors to West's Gas Improvement Company Limited, Miles Platting, Manchester, England. Vertical retort for the carbonization of coal and like carbonaceous materials. 2,040,583; May 12.
Westerman, Fred. (See Schoonover, Noah E., assignor.)
Western Electric Company. (See Hatton, W., and Haigh, assignors.)
Western Electric Company. (See Lutz, Raymond P., assignor.)
Western Electric Company. (See McCain, Cecil C., assignor.)
Western Electric Company. (See Pagenkopf, W. H., and Hanson, assignors.)
Western Electric Company. (See Stull, John S., assignor.)
Western Electric Company. (See Tietz, W. J., and Lengvenis, assignors.)
Westinghouse Air Brake Company, The. (See Taylor, Clyde A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Soderberg, Carl R., assignor.)
Westinghouse Electric & Manufacturing Company. (See Terry, Matson C., assignor.)
Westinghouse Lamp Company. (See Guston, Daniel S., assignor.)
Westinghouse Lamp Company. (See Slack, C. M., and Laidig, assignors.)
Weston Electrical Instrument Corporation. (See Lamb, Anthony H., assignor.)
Westrope, Fred J., assignor to The Murray Corporation of America, Detroit, Mich. Vehicle body. 2,040,680; May 12.
West's Gas Improvement Company Limited. (See West, Frederick J. and E., assignors.)
Weyland, Martin A., Buffalo, N. Y. Control mechanism for automobiles. 2,040,192; May 12.
White, James N., Denver, Colo. Apparatus for laundering clothes. 2,040,417; May 12.
Whiteley, Frank A., Minneapolis, Minn. Baseball pitching game device. 2,040,228; May 12.
Whiteside, Frederick W., Syracuse, N. Y. Device for applying and tightening the stringa of tennis rackets. 2,040,194; May 12.
Whiteside, Lawson H. (See Klouman, H., and Whiteside.)
Whitted, John B., Chicago, Ill., assignor, by mesne assignments, to Houde Engineering Corporation, Buffalo, N. Y. Dash control valve. 2,040,193; May 12.
Wicks, John, Oak Park, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,040,637; May 12.
Widmann, Eugene A., New York, N. Y. Seed germinating system. 2,040,161; May 12.
Wilbur, Paul C. (See Ball, C. O., and Wilbur.)
Wilkinson, Walter, Rye, N. Y., and J. E. Schlitt, Darien, Conn., assignors to Air Reduction Company, Incorporated, New York, N. Y. Separation and recovery of krypton and xenon from gaseous mixtures containing them. 2,040,116; May 12.
Williams, Frank I., Boston, Mass. Centrifugal machine. 2,040,351; May 12.
Williams, Frank L., Boston, Mass. Driving mount for centrifugals. 2,040,352; May 12.
Williams, Herbert E. (See Clayton, R. H., Williams, and Avery.)
Williams, Ralph C., Brooklyn, N. Y. Internal combustion engine. 2,040,418; May 12.
Williamson, Donald B., Pittsburgh, Pa. Pilot controlled valve. 2,040,229; May 12.
Wilson, Arthur R., Chicago, Ill. Railroad car handling device. 2,040,353; May 12.
Wilson & Bennett Manufacturing Company. (See Bennett, Stevens A., assignor.)
Wilson, Bert A., assignor to Pittsburgh Rolls Corporation, Pittsburgh, Pa. Roll neck milling machine. 2,040,230; May 12.
Wilson Lighting, Inc. (See Wilson, Wesley, assignor.)
Wilson, Wesley, assignor to Wilson Lighting, Inc., Chicago, Ill. Reflector. 2,040,117; May 12.
Winberg, Robert. (See Elliott, E. C., and Winberg.)
Windle, Winfred W., Sutton, Mass. Wool washing machine. 2,040,162; May 12.
Wingfoot Corporation. (See Christy, William O., assignor.)
Wingfoot Corporation. (See Clifford, Albert M., assignor.)

Wingfoot Corporation. (See Lauter, Werner M., assignor.)
Winthrop Chemical Company. (See Böckmuhl, M., and Fehrle, assignors.)
Wirth, Thomas, Munich, Germany. Indicating device. 2,040,419; May 12.
Wiswell, Ozro N., Los Angeles, Calif. Opening and pouring device for cans. 2,040,585; May 12.
Wiswell, Ozro N., Los Angeles, Calif. Can opener. 2,040,586; May 12.
Wiswell, Ozro N., assignor to Swingspout Measure Company, Los Angeles, Calif. Device for handling canned fluids. 2,040,584; May 12.
Wittcoff, Edward, University City, Mo. Headwear. 2,040,355; May 12.
Wittcoff, Edward, University City, assignor to Caradine Hat Company, St. Louis, Mo. Hat brim and constructing the same. 2,040,354; May 12.
Woehler, Henry G., assignor to Niedringhaus, Inc., St. Louis, Mo. Metallic barrel. 2,040,509; May 12.
Wolff, Charles H., and H. Weder, Sr., Philadelphia, Pa. Rectal dilator. 2,040,420; May 12.
Wolfram & Molybdaen A.-G. (See Becker, Karl, assignor.)
Wood, John, Manufacturing Company. (See Brouse, William H. D., assignor.)
Woodforde, John, King's Cross, London, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the remote control of railway points, signals, and the like. 2,040,539; May 12.
Woodhead, Henry A., Graniteville, S. C. Apparatus for preshrinking cloth. 2,040,454; May 12.
Woodhull, Mark J. (See Fyske, M. L., and Woodhull.)
Wooley, Bradford G., assignor to Hammel Oil Burning Equipment Company, Inc., Providence, R. I. Combustion controlling device for furnaces. 2,040,231; May 12.
Wright, R. M., et al. (See Brenholm, Nels, assignor.)
Wright, Royale A. (See Tahvonen, C., and Wright.)
Wright, William B. (See Robe, Walter B., assignor.)
Wulff, Robert G. (See Coberly, C. J., and Wulff.)
Wurlitzer Grand Piano Company. (See Schmidt, Otto, assignor.)
Yager, George F., assignor to The Bunting Brass & Bronze Company, Toledo, Ohio. Chute assembly. 2,040,232; May 12.
Youker, Malcolm P., assignor to Phillips Petroleum Company, Bartlesville, Okla. Combined stabilizing and gas conversion. 2,040,455; May 12.
Young, Fred M., assignor to Young Radiator Company, Racine, Wis. Air circulating and conditioning device. 2,040,118; May 12.
Young, Leonard A., Detroit, Mich. Shaft for golf clubs. 2,040,540; May 12.
Young Radiator Company. (See Young, Fred M., assignor.)
Zeiss, Firm Carl. (See Eppenstein, Otto, assignor.)
Zimmermann, Hans, Dortmund, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Lock gate. 2,040,721; May 12.
Zimmermann, Hans, Dortmund, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Lock and gate structure. 2,040,722; May 12.
Zitscher, Arthur, Cronberg in Taunus, Germany, assignor to General Aniline Works, Inc., New York, N. Y. 6-nitro-2,3-hydroxynaphthoic acid. 2,040,587; May 12.
Zoller, Egon, Zurich, Switzerland. Apparatus for the registration of signals in automatic telephone installations. 2,040,588; May 12.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 12TH DAY OF MAY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Brassière, Corrective. P. Clancy. 19,960; May 12.
Composition of matter comprising resin esters. H. M. Weber. 19,967; May 12.
Compressor. M. R. Hutchison, Jr. 19,962; May 12.
Control system. P. M. Stivender. 19,966; May 12.
Froth, Process and apparatus for the mechanical production of. E. Schröder and J. A. S. Van Deurs. 19,965; May 12.
Fur, Cutting. O. M. Dean. 19,970; May 12.
Motor compressor unit. H. E. Crane. 19,961; May 12.
Refrigerating apparatus. C. W. Scherer. 19,964; May 12.
Samples for drilled wells, Apparatus for obtaining. G. A. Macready. 19,963; May 12.
Seam for garments. S. N. Weiner. 19,968; May 12.
Tire, Pneumatic. P. M. Bourdon. 19,969; May 12.

LIST OF PLANT INVENTIONS

Rose. F. E. Cremer. 177; May 12.

LIST OF DESIGN INVENTIONS

Ash receiver. K. C. Shyvers and P. Jaskowiak. 99,667; May 12.
Ash tray. H. J. Gwyer. 99,640; May 12.
Automobile and folding wing monoplane, Combined. E. F. Wagner. 99,632; May 12.
Ax head. H. A. Vaughan. 99,635; May 12.
Bookcase, radio, stationery compartment, liquor compartment, clock and lamp, or similar article, Combined. N. H. Boisvert. 99,655; May 12.
Bottle. G. M. Brenner. 99,617; May 12.
Bottle. A. I. Lorenzen. 99,627; May 12.
Bottle. A. I. Lorenzen. 99,644; May 12.
Bottle. P. P. Mülhens. 99,629; May 12.
Bottle. P. P. Mülhens. 99,646–9; May 12.
Bottle. G. C. Robinson. 99,650; May 12.
Bottle. A. Wick. 99,634; May 12.
Bottle. W. G. Zetzmann. 99,653; May 12.
Bottle and stopper, Combination. P. H. Ganz. 99,572; May 12.
Bottles and container therefor, Display. R. B. Karoff. 99,623; May 12.
Buckle or the like, Belt. J. R. Craighead. 99,569; May 12.
Buckle, Shoe. C. S. Felch. 99,601; May 12.
Cabinet, Storage. L. H. Scurlock. 99,607; May 12.
Can or similar container. S. B. Werner. 99,615; May 12.
Carriage, Baby. J. Michal. 99,664; May 12.
Carton. A. E. Macon and W. J. Weir. 99,645; May 12.
Case, Storage battery. O. O. Rieser. 99,606; May 12.
Casing and license plate holder, Combined signal light. J. A. Chinsky. 99,657; May 12.
Casing for measuring and controlling instruments. C. B. Moore. 99,582; May 12.
Casing, Pneumatic tire. R. M. Reel. 99,605; May 12.
Casing, Switch. C. W. Sundberg and M. Ferar. 99,611; May 12.
Chair. W. H. Bond, Jr. 99,592–3; May 12.
Chair or similar article. Nursery rocking. D. W. Lynch. 99,578; May 12.
Child's stocking. H. Mange. 99,579; May 12.
Clock dial or similar article. L. Ribera. 99,587–8; May 12.
Confectionery product. N. M. Thomas. 99,651; May 12.
Container unit, Food. L. H. Scurlock. 99,608; May 12.
Cooker, Pressure. C. Nelson. 99,583–4; May 12.
Crystal or similar article. F. Cohn. 99,568; May 12.
Drinking-vessel. L. A. Leppke. 99,624–6; May 12.
Fabric, Embroidered textile. T. M. Berger. 99,654; May 12.
Fabric, Knitted. E. W. Krantz. 99,576; May 12.
Fabric or similar article, Textile. W. Cleverly. 99,599; May 12.
Fabric or similar article, Textile. S. Long. 99,643; May 12.
Fabric, Textile. J. Civelli. 99,621; May 12.
Fabric, Textile. C. E. Forstmann. 99,571; May 12.
Fabric, Textile. W. Rose. 99,665; May 12.
Fabric, Textile. H. W. Wilde. 99,591; May 12.
Game apparatus. L. B. Elliott. 99,570; May 12.
Gauge, Saw. H. E. Tautz. 99,614; May 12.
Gun, Metal spray. F. O. Albertson. 99,616; May 12.
Gun or similar article, Lubricating. A. Degory. 99,620; May 12.
Handbag. M. White. 99,633; May 12.
Handle-bar stem and speedometer mounting for bicycles, Combined. E. E. Pease. 99,586; May 12.
Handle, Burial case. W. F. Flasche. 99,622; May 12.
Handle, Switch. C. W. Sundberg and M. Ferar. 99,612; May 12.
Heater, Space. G. L. Bridge. 99,594; May 12.
Humidor. A. I. Lorenzen. 99,577; May 12.
Jar. B. D. Fuerst. 99,639; May 12.
Knife or similar article. A. Wehde. 99,652; May 12.
Knife, Paring and peeling. T. Carangi. 99,656; May 12.
Lace. J. Dognin. 99,658–60; May 12.
Lamp. R. Strauss. 99,589; May 12.
Leather. R. Bernheim. 99,567; May 12.
Lighting unit. J. W. Gosling. 99,661; May 12.
Lighting unit, Decorative. A. Abramson. 99,637; May 12.
Link of a bracelet chain, Terminal. E. Prestinari. 99,630; May 12.
Ornament for a casket or analogous article, Corner. R. Larson. 99,603; May 12.
Pencil tip. M. Caffrey. 99,595; May 12.
Plate for a radio receiver, Escutcheon. R. C. Marholz. 99,628; May 12.
Radiocabinet. R. L. Chipman, Jr. 99,598; May 12.
Radiocabinet, Automobile. D. Housman. 99,573–4; May 12.
Riding device, Circular. C. I. Sweet. 99,613; May 12.
Rug or similar article. H. F. Jones. 99,662–3; May 12.
Salt block. A. H. Torongo. 99,590; May 12.
Shoe. A. Goodman. 99,636; May 12.
Shoe. A. Turiansky. 99,631; May 12.
Shoe upper material. C. H. Daniels. 99,618–19; May 12.
Shoe upper material. C. H. Daniels. 99,638; May 12.
Sign. G. D. Duntze. 99,600; May 12.
Slipper. A. J. Siegler. 99,609–10; May 12.
Stand and tray for smokers, Combined. M. G. Ketchum. 99,641–2; May 12.
Stand or similar article, Orchestra. R. Katz. 99,602; May 12.
Table and cooking grill, Combined. H. M. Schwartz. 99,666; May 12.
Tablecloth, Lace. W. C. Miller. 99,580–1; May 12.
Tablecloth, Lace. F. P. Otto. 99,585; May 12.
Tank body for vehicles. J. M. Kramer, W. M. Gadberry, and A. J. McElvain. 99,575; May 12.
Tire. A. E. Caldwell. 99,596–7; May 12.
Toy. E. McCandlish. 99,604; May 12.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 12TH DAY OF MAY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Accordion shift mechanism. O. Schmidt. 2,040,570; May 12.
Acids and alkyl-substitution products thereof and preparing them, Aminobutane-disulphonic. O. Nicodemus and W. Schmidt. 2,040,626; May 12.
Adjustable connecter. J. J. Kaufman. 1,040,790; May 12.
Advertising apparatus. H. C. Crum. 2,040,363; May 12.
Age retarder. W. M. Lauter. 2,040,490; May 12.
Air, Apparatus for cleaning. T. W. Hallerberg. 2,040,376; May 12.
Air brake. C. W. Ickes and T. P. Ickes. 2,040,312; May 12.
Air circulating and conditioning device. F. M. Young. 2,040,119; May 12.
Alarm, Pressure. G. G. Cuthrie. 2,040,375; May 12.
Alloy containing copper and phosphorus. G. Sachs and A. Burkhardt. 2,040,797; May 12.
Alloy for tools and similar articles, Sintered hard metal. K. Becker. 2,040,592; May 12.
Alloy, Lead. R. H. Canfield and H. F. Kaiser. 2,040,078; May 12.
Aluminum, Producing bright surfaces on. R. B. Mason and M. Tosterud. 2,040,617–8; May 12.
Ammonium phosphates, Making. J. J. Phillips. 2,040,563; May 12.
Anchor, Cable. F. P. Shearwood. 2,040,572; May 12.
Annealing. R. J. Wean. 2,040,679; May 12.
Antibutting device F. Sacker. 2,040,410; May 12.
Anti-friction bearing. W. E. Hoke. 2,040,741; May 12.
Antifriction bearing. S. R. Large. 2,040,489; May 12.
Antigen, Common-cold. H. M. Powell. 2,040,794; May 12.
Apparatus for pulverizing material. G. H. Kaemmerling. 2,040,816; May 12.
Arc regulator. K. Brenkert. 2,040,596; May 12.
Arch support, Making. S. Kubeck. 2,040,143; May 12.
Artist's material, Producing. W. H. Eader. 2,040,170; May 12.
Arylamides of 5, 6, 7, 8-tetrahydro-2-hydroxynaphthalene-3-carboxylic acid. H. Morschel. 2,040,397; May 12.
Aryl-mercuric nitrates and a product thereof, Preparation of. E. C. Britton, R. P. Perkins, and J. T. Lundquist. 2,040,765; May 12.
Asbestos sheet for gaskets and packing, Saturated. J. H. Victor, B. J. Victor and W. A. Heinze. 2,040,348; May 12.
Automatic valve. L. L. Scott. 2,040,342; May 12.
Axle, Roller bearing. T. V. Buckwalter. 2,040,802; May 12.
Axle, Tubular. B. H. Urschel. 2,040,577; May 12.
Azo-dyestuffs containing chromium and preparing them. E. Fischer. 2,040,368; May 12.
Backing roll for sheet or pack rolling mills. A. Paterson. 2,040,400; May 12.
Bag: *See*—
Laundry bag. Valve bag.
Bailer. W. Tarkington. 2,040,413; May 12.
Balance or weighing scale. C. A. Becker. 2,040,639; May 12.
Barrel, Metal. C. Seitz. 2,040,275; May 12.
Barrel, Metallic. H. G. Woebler. 2,040,509; May 12.
Baseball pitching game device. F. A. Whiteley. 2,040,228; May 12.
Basket for carburizing retorts. H. Klouman and L. H. Whiteside. 2,040,261; May 12.
Battery: *See*—
Electric battery.
Battery terminal clamp. H. Eulberg. 2,040,250; May 12.
Beam system, Reversible. P. S. Carter. 2,040,079; May 12.
Bearing: *See*—
Antifriction bearing. Pinion shaft bearing.
Bearing lubrication. T. V. Buckwalter. 2,040,803; May 12.
Beer dispenser, Portable cold. C. O. Marx. 2,040,664; May 12.
Beryllium, Recovery of. J. E. Bucher. 2,040,804; May 12.
β-methylcholine derivatives and salts and their preparation. R. T. Major and J. K. Cline. 2,040,146; May 12.
β-methylcholine derivatives and salts and their production. R. T. Major and J. K. Cline. 2,040,145; May 12.
Beverages, Improving and aging distilled alcoholic. A. J. Liebmann. 2,040,661; May 12.
Bit: *See*—
Detachable blade bit. Jack hammer bit.
Blade, Hollow turbine. F. G. H. Bedford and C. D. Gibb. 2,040,640; May 12.
Blanks, Apparatus for forming tubular. B. Bannister. 2,040,764; May 12.
Boat, Sectional. G. P. Green. 2,040,373; May 12.
Boiler. T. C. Ervin. 2,040,434; May 12.
Bolster for six-wheel trucks, Center. C. L. Orr. 2,040,706; May 12.
Boring head, Spherical. A. Rothschmitt. 2,040,761; May 12.
Boring machine and boring bar therefor, Portable. C. T. Rottler. 2,040,273; May 12.
Bottle and nipple therefor, Infant's nursing. N. S. Murphy. 2,040,757; May 12.
Bottle closure. J. L. Conde. 2,040,362; May 12.
Bottle, Telltale. D. D. Hull. 2,040,381; May 12.
Box: *See*—
Fruit box.
Box. W. R. Looney. 2,040,774; May 12.
Box. M. C. Usinger. 2,040,224; May 12.
Box marking appliance. H. J. Mumma and Z. Leonard. 2,040,524; May 12.
Box with cover and hinge therefor. H. H. Wanders. 2,040,191; May 12.
Brake: *See*—
Air brake. Vehicle brake.
Trailer brake.
Brake beam support. E. G. Busse. 2,040,512–13; May 12.
Brake device, Fluid pressure. C. A. Taylor. 2,040,451; May 12.
Brake shoe. F. M. Green. 2,040,551; May 12.
Brake shoe pressure adjusting apparatus for railway vehicles, Automatic. A. Dietrich. 2,040,203; May 12.
Brake system, Magnetic track. T. H. Schoepf and D. M. Ritchie. 2,040,814; May 12.
Branch-fitting and method of making. A. C. Recker. 2,040,628; May 12.
Bread, Retarding staling of yeast leavened. A. K. Epstein and B. R. Harris. 2,040,249; May 12.
Brick veneer. E. H. Pettier. 2,040,627; May 12.
Bricks or the like, Apparatus for loading or piling. E. R. Sutcliffe. 2,040,574; May 12.
Bridge, Vertical lift. T. Sakamoto. 2,040,445; May 12.
Brush, Positive feed fountain paint. N. Olesen. 2,040,327; May 12.
Buckle or slide, Lever. R. T. Jackson. 2,040,655; May 12.
Building and log construction. C. Tahvonen and R. A. Wright. 2,040,110; May 12.
Building construction. H. T. Backhus. 2,040,725; May 12.
Building construction. F. M. Venzie. 2,040,578; May 12.
Burial apparatus. R. R. Thomas. 2,040,220; May 12.
Burner: *See*—
Fluid fuel burner. Gas burner.
Fuel burner. Oil burner.
Bush. C. G. Raible. 2,040,499; May 12.
Butt-welding. C. J. Coberly and R. G. Wulff. 2,040,240; May 12.
Cabinet clamp. A. E. Odmark. 2,040,669; May 12.
Cadmium and its alloys, Melting and handling. A. J. Phillips and C. E. Swartz. 2,040,269; May 12.
Camera, Automatic. F. A. Sears. 2,040,216; May 12.
Camera, Motion picture. O. O. Ceccarini. 2,040,244; May 12.
Cameras, Fade-out shutter mechanism for cinematograph. W. C. Vinten. 2,040,579; May 12.
Canning, Method of and apparatus for. C. O. Ball and P. C. Wilbur. 2,040,726; May 12.
Cap, Bottle. L. P. Moos and F. L. Fredrickson. 2,040,325; May 12.
Cap for containers, Dispenser. E. H. Byers. 2,040,545; May 12.
Cap for dispensing tubes and the like, Closure. R. C. Beck. 2,040,638; May 12.
Car handling device, Railroad. A. R. Wilson. 2,040,353; May 12.
Car structure, Shock reducing. W. P. Kellett. 2,040,486; May 12.
Car truck. M. H. Martin. 2,040,180; May 12.
Car wall construction. H. S. Hart. 2,040,307; May 12.
Car with air circulating chamber, Insulated. C. O. Cornwell. 2,040,296; May 12.
Carbon black, Forming agglomerated. H. W. Grote. 2,040,770; May 12.
Carburetor. J. W. Fitzgerald. 2,040,254; May 12.
Carburetor mechanism. T. A. Riall. 2,040,185; May 12.
Card holder. G. E. Long. 2,040,750; May 12.
Carrier mounting and operating means. J. Huddleston. 2,040,610; May 12.

Cart, Golf bag. J. E. Ross. 2,040,339; May 12.
Carton for cans and the like. S. A. Levyne. 2,040,209; May 12.
Carton setting-up device. H. K. Powell. 2,040,154; May 12.
Case: *See*—
Shipping case.
Casing structures for shock absorbers and the like, Fabricating. G. R. Pennington. 2,040,152; May 12.
Caster, Shock absorbing. J. Bowen. 2,040,121; May 12.
Castration clamp. N. E. Schoonover. 2,040,536; May 12.
Catalysts, Preparing contact. H. Adkins. 2,040,233; May 12.
Catalytic process. W. E. Kuentzel and T. A. Geissman. 2,040,658; May 12.
Catch, Hood. A. Claud-Mantle. 2,040,392; May 12.
Catcher. A. G. Delany. 2,040,169; May 12.
Caustic hydroxide from waste solutions, Recovery of. H. W. Casey. 2,040,805; May 12.
Cellulosic materials from waste cellulose products, Production of. W. M. Billing. 2,040,801; May 12.
Centrifugal machine. D. Perrier. 2,040,213; May 12.
Centrifugal machine. F. I. Williams. 2,040,351; May 12.
Chart, Dial checked. H. F. Baxter. 2,040,119; May 12.
Chemical heating composition. R. E. Reed. 2,040,407; May 12.
Chemical heating composition and method of chemically producing heat. R. E. Reed. 2,040,406; May 12.
Choke, Automatic. G. R. Sisson. 2,040,505; May 12.
Chuck. A. I. Dunn. 2,040,601; May 12.
Chuck. F. Walther. 2,040,225; May 12.
Chuck mechanism. H. E. Kopsch. 2,040,517; May 12.
Chute assembly. G. F. Yager. 2,040,232; May 12.
Circuit control means, Electric. A. Boyajian. 2,040,684; May 12.
Circuit control means, Electric. C. M. Summers. 2,040,763; May 12.
Circulation of heating mediums in vapor heating systems for automotive vehicles. S. Vernet. 2,040,159; May 12.
Clamp: *See*—
Battery terminal clamp. Castration clamp.
Cabinet clamp. Universal clamp.
Cleaner: *See*—
Suction cleaner.
Clip: *See*—
Paper clip.
Clock, Educational. J. Mandal. 2,040,322; May 12.
Clock, Numeral. F. C. Almquist. 2,040,421; May 12.
Closure device, Telltale. C. Schoonmaker. 2,040,798; May 12.
Closures for collapsible tubes. E. Koller. 2,040,091; May 12.
Cloth, Apparatus for preshrinking. H. A. Woodhead. 2,040,454; May 12.
Cloth shearing machine. C. H. Coolidge and E. H. Marble. 2,040,294–5; May 12.
Clothes, Apparatus for laundering. J. N. White. 2,040,417; May 12.
Code receiver, Selective. H. E. Hershey. 2,040,691; May 12.
Coil tuning system, Grounding. J. Kopellowitsch. 2,040,697; May 12.
Coiling strip. E. T. Lorig. 2,040,775; May 12.
Coin collecting mechanism base. G. A. Long. 2,040,792; May 12.
Coin detecting apparatus for coin operated telephone and the like. E. B. Carter. 2,040,166; May 12.
Coin selector. E. B. Moore. 2,040,151; May 12.
Coin selector. W. H. Rowe. 2,040,274; May 12.
Color printing attachment for web printing presses. E. J. Watkins. 2,040,226; May 12.
Combination lock. P. Bolis. 2,040,120; May 12.
Combustion controlling device for furnaces. B. G. Woolley. 2,040,231; May 12.
Combustion efficiency adjusting apparatus. J. D. Morgan. 2,040,778; May 12.
Communication systems, Apparatus for railway train. P. N. Bossart. 2,040,198; May 12.
Compensating mechanism for balancing machines. J. J. Guest. 2,040,738; May 12.
Compression system for internal combustion engines, Variable. J. P. Gaty. 2,040,652; May 12.
Concealed hinge. J. Sons. 2,040,279; May 12.
Concrete structures, Appliance for and method of making. J. E. Miller. 2,040,666; May 12.
Condensation products, Production of. W. Kraus. 2,040,207; May 12.
Condensation products, Water-soluble. L. Orthner and A. Doser. 2,040,212; May 12.
Condenser efficiency calculator. J. E. Goodwillie. 2,040,086; May 12.
Connecter: *See*—
Adjustable connecter.
Connecter for toy railroad tracks. E. E. McKeige. 2,040,665; May 12.
Connecters, Welding tubular. A. Kidd. 2,040,140; May 12.
Connecting rod. R. Chilton. 2,040,465; May 12.
Connection for bumper bars, End. H. S. Jandus. 2,040,176; May 12.
Connection, Hydraulic lubricating. A. Johnson and J. S. Johnson. 2,040,177; May 12.
Constant band width receiver. J. L. Bonannok. 2,040,426; May 12.
Container: *See*—
Shipping and display container.
Container. S. D. Harris. 2,040,483; May 12.
Container for lubricating oil. W. V. Myers. 2,040,625; May 12.
Control apparatus for fuel burners, Electric. L. M. Persons. 2,040,402; May 12.
Control mechanism. J. L. Bisch. 2,040,425; May 12.
Control mechanism for automobiles. M. A. Weyland. 2,040,192; May 12.
Control mechanism for auxiliary wing flaps. R. R. Osborn. 2,040,496; May 12.
Control of railway points, signals, and the like, Apparatus for the remote. J. Woodforde. 2,040,539; May 12.
Convertible tool. A. Shaffer. 2,040,713; May 12.
Cooler: *See*—
Milk cooler.
Cords, Process and apparatus for latexing. N. J. Ritzert. 2,040,105; May 12.
Corset. M. Kahn. 2,040,810; May 12.
Corset and the like. W. Kops and S. D. Kops. 2,040,657; May 12.
CO_2 for refrigeration purposes, Controlling solid. W. B. Robe. 2,040,631; May 12.
Counters, Operating means for. H. F. Sadgebury and W. M. Carroll. 2,040,500; May 12.
Counting mechanism. M. Mathias. 2,040,702; May 12.
Coupling: *See*—
Pipe coupling.
Crate. F. G. Krueger and H. S. Lion. 2,040,387; May 12.
Cross bar switch. J. N. Reynolds. 2,040,334; May 12.
Culinary implement. C. B. Bacon. 2,040,458; May 12.
Cultivator. A. Marseilles. 2,040,751; May 12.
Current conductors, Joining electric. C. H. Jasper. 2,040,383; May 12.
Current control system, Alternating. F. E. Wold. 2,040,288; May 12.
Current minimizer, Eddy. C. E. Prince. 2,040,103; May 12.
Cutter for dredges. L. T. Gaylord. 2,040,308; May 12.
Dash control valve. J. B. Whitted. 2,040,193; May 12.
Deposit eliminator. J. Audette. 2,040,069; May 12.
Depth gauge. S. Gulick. 2,040,552; May 12.
Detachable blade bit. L. A. Layne and H. C. Block. 2,040,263; May 12.
Dictating machine. J. E. Renholdt. 2,040,781; May 12.
Die: *See*—
Rubber die.
Die and producing the same. F. L. Foster. 2,040,172; May 12.
Dilator, Rectal. C. H. Wolff and H. Weder, Sr. 2,040,420; May 12.
Dinitrobenzene isomers, Separation. H. W. Coward. 2,040,123; May 12.
Dipper teeth. M. L. Fykse and M. J. Woodhull. 2,040,085; May 12.
Discharge vessel and making same. P. Selényi. 2,040,571; May 12.
Dispenser: *See*—
Beer dispenser.
Display holder device. C. W. Kress. 2,040,315; May 12.
Doll. A. Cohen. 2,040,201; May 12.
Door, Composite. F. A. Johnson. 2,040,259; May 12.
Door, Overhead. H. F. Collins. 2,040,080; May 12.
Drawer and spacer plate combination. G. C. Brainard. 2,040,595; May 12.
Driving mount for centrifugals. F. I. Williams. 2,040,352; May 12.
Drum making machine. J. F. Esch. 2,040,785; May 12.
Dust bouncer for mops and the like. G. S. Leiner and C. A. Bernstein. 2,040,659; May 12.
Dyeing animal fibers with metal complex compounds of organic acid dyestuffs. C. M. Rittinghausen and R. Haynn. 2,040,796; May 12.
Dyestuffs and preparing the same, Azo. R. E. Etselmiller. 2,040,473; May 12.
Dyestuffs of the benzanthronyl-aminoanthraquinone series, Brominated vat. E. Honold and R. Müller. 2,040,380; May 12.
Earring. E. C. Elliott and R. Winberg. 2,040,083; May 12.
Egg holder. J. A. Fortes. 2,040,648–9; May 12.
Electric arc lamp. H. L. Thomas. 2,040,414; May 12.
Electric battery. C. J. Gordon. 2,040,255; May 12.
Electric generating system. D. S. Cole. 2,040,468; May 12.
Electric generating system. D. S. Cole and L. S. Speth. 2,040,469; May 12.
Electric generating system. L. S. Speth. 2,040,448; May 12.
Electric generating system and apparatus. D. S. Cole and L. S. Speth. 2,040,470; May 12.
Electric light. C. W. Duke. 2,040,243; May 12.
Electric motor. J. J. Gough. 2,040,371; May 12.
Electric ray producing device. O. T. McIlvaine. 2,040,753; May 12.
Electrical appliance. W. H. Fischer. 2,040,369; May 12.
Electrical distribution, System of. T. W. Drury. 2,040,688; May 12.
Electrical gas treatment. C. W. J. Hedberg and R. B. Heason. 2,040,378; May 12.
Electrical ignition device. I. E. McCabe. 2,040,620; May 12.

Electrical protective system. L. K. Swart. 2,040,219; May 12.
Electrical signaling system. E. A. Tubbs. 2,040,221; May 12.
Electrical standard. D. V. Edwards. 2,040,768; May 12.
Electrical switch. A. Ramires, Jr. and A. Schiavi. 2,040,214; May 12.
Electro-hydraulic control structure. L. M. Persons. 2,040,403; May 12.
Electromagnetic switch. A. H. Lamb. 2,040,389; May 12.
Electron discharge device. R. T. Orth. 2,040,267; May 12.
Electron discharge device. A. L. Pipper. 2,040,530; May 12.
Electronic tube system. J. M. Schmierer. 2,040,341; May 12.
Elevator control system. A. Pinto and R. A. Waite. 2,040,184; May 12.
Emulsion for surfacing roads. R. J. Lacau. 2,040,208; May 12.
Emulsions and preparing the same, Stable bituminous. V. E. Watts. 2,040,115; May 12.
Engine: *See*—
Internal combustion engine Opposed piston engine.
Engine control, Motor vehicle. L. A. Summers. 2,040,716; May 12.
Engine cylinder grinding machine. J. Sunnen. 2,040,281; May 12.
Engine pressure indicator. K. J. DeJuhasz. 2,040,082; May 12.
Engines, Maneuvering control for reversible. E. Rathbun. 2,040,333; May 12.
Ensilage distributor. H. A. Teisberg. 2,040,506; May 12.
Expansion joint. W. H. Eichelman and E. E. Hall. 2,040,367; May 12.
Extension table. N. Bekius. 2,040,593; May 12.
Eyeglass construction. G. E. Nerney. 2,040,527; May 12.
Eyemountings for dolls. N. Paganello. 2,040,329; May 12.
Fabric: *See*—
Knitted fabric. Warp fabric.
Fan attachment. S. Siegel. 2,040,504; May 12.
Fan construction. T. Troller. 2,040,452; May 12.
Fastening device. R. E. Beegle. 2,040,510; May 12.
Fastening means. T. S. Grimes. 2,040,374; May 12.
Faucet and drinking fountain, Combination. C. L. Maguire. 2,040,391; May 12.
Feeding and batching apparatus. H. S. Lenhart. 2,040,660; May 12.
Filaments, threads, bands, and the like, Manufacture and production of colored artificial. S. Robertson. 2,040,712; May 12.
Filling material. F. R. Grant. 2,040,256; May 12.
Films, Copying lenticulated. F. Strecker. 2,040,280; May 12.
Films, Obtainment of photographic sound. R. Berthon. 2,040,237; May 12.
Films, Production of color cinematograph. J. E. Thornton. 2,040,575; May 12.
Fishing reel. H. F. Maynes. 2,040,777; May 12.
Flashlight. G. H. Barber and G. B. Pratt. 2,040,423; May 12.
Float mechanism for bottle fillers, Adjustable. J. Kantor. 2,040,384; May 12.
Float valve. A. P. Ricard. 2,040,272; May 12.
Floor construction. A. J. Wernette. 2,040,350; May 12.
Flotation device, Inflatable. D. Mapes. 2,040,616; May 12.
Fluid dispensing device. W. H. D. Brouse. 2,040,815; May 12.
Fluid fuel burner. E. A. Morrison. 2,040,523; May 12.
Fluid meter. I. G. Loe. 2,040,390; May 12.
Fluid pressure in sheathed electric cables, Maintaining. L. Emanuell. 2,040,204; May 12.
Fluid pressure, Measuring. W. J. Tietz and F. J. Lengvenis. 2,040,285; May 12.
Fluid samples from drilled wells, Method and apparatus for obtaining. G. A. Macready. 2,040,619; May 12.
Fluid valve. H. J. Butcher. 2,040,356; May 12.
Fluids, Device for handling canned. O. N. Wiswell. 2,040,584; May 12.
Flushing device. H. Rancke. 2,040,444; May 12.
Flux for cadmium and its alloys and regenerating same. C. E. Swarts. 2,040,283; May 12.
Flyer for spinning machines. H. C. Herr. 2,040,135; May 12.
Focusing and finding attachment for cameras. C. B. Austin. 2,040,422; May 12.
Formaldehyde derivatives of 1-mercaptothiazoles, Preparing. A. M. Clifford. 2,040,467; May 12.
Forms, Finishing helical. B. W. Twyman. 2,040,347; May 12.
Fractionating apparatus. D. K. Dean and E. N. Sieder. 2,040,431; May 12.
Frame. C. H. Lawrence. 2,040,556; May 12.
Fruit and vegetable grading machine. J. Schmidt and E. C. Eberts. 2,040,569; May 12.
Fruit box. J. J. Tozzi. 2,040,286; May 12.
Fruit juice extracting machine. H. F. Watkins. 2,040,114; May 12.
Fruit marking appliance. H. J. Mumma. 2,040,526; May 12.
Fruit marking machine. H. J. Mumma and F. Ahlburg. 2,040,525; May 12.
Fuel and process of making, Briquetted. F. Holz. 2,040,609; May 12.
Fuel burner, Gaseous. W. F. Lukemeier. 2,040,558; May 12.
Fuel distributing apparatus, Liquid. H. Palmer. 2,040,707 May 12.
Fungicide and insecticide. A. A. Nikitin, P. B. Myers, and J. F. Adams. 2,040,811; May 12.
Fur, Cutting. O. M. Dean. 2,040,364; May 12.
Furnace: *See*—
Melting and holding furnace. Open-hearth furnace.
Furnace construction, Blast. O. R. Rice. 2,040,532; May 12.
Game apparatus. D. E. Hooker. 2,040,310; May 12.
Garment, Foundation. M. A. Nathanson. 2,040,398; May 12.
Garter. A. J. Sobel. 2,040,635; May 12.
Gas burner. G. W. McKee. 2,040,147; May 12.
Gas burner. F. H. Schneider. 2,040,446; May 12.
Gas cutting machine. J. C. Glaum, Jr., and F. Stoneberg. 2,040,478; May 12.
Gas delivery apparatus. C. V. Boys. 2,040,199; May 12.
Gas generator. D. F. Pool. 2,040,270; May 12.
Gate: *See*—
Lock gate.
Gauge: *See*—
Depth gauge. Positioning gauge.
Gauge. H. S. Baker. 2,040,681; May 12.
Gear particularly for motor vehicles, Automatically variable transmission. H. F. Hobbs. 2,040,136; May 12.
Gear transmission for churns. A. C. Hougland. 2,040,654; May 12.
Gearing, Reduction. W. C. Ware. 2,040,287; May 12.
Generator: *See*—
Gas generator. Vaporizing generator.
Photoelectric generator.
Glass feeding apparatus. W. T. Honiss. 2,040,789; May 12.
Glass, Manufacture of laminated. F. L. Bishop. 2,040,238; May 12.
Glass polishing machine. J. J. Wanko. 2,040,720; May 12.
Glass working appliance. W. W. Eitel. 2,040,602; May 12.
Glassware, Method of and apparatus for manufacturing hollow. G. E. Rowe. 2,040,783; May 12.
Glove. K. E. Jensen. 2,040,137; May 12.
Glow discharge device. D. S. Gustin. 2,040,173; May 12.
Gold for dental fillings, Producing cohesive. S. Livingstone. 2,040,179; May 12.
Golf club head. W. H. Farrington. 2,040,252; May 12.
Goods, Treatment of cotton. W. B. Pratt. 2,040,795; May 12.
Grain for extermination of insect life therein, Method of and apparatus for treating. J. H. Davis. 2,040,600; May 12.
Gravure printing process. A. Dultgen. 2,040,247; May 12.
Grease retainer with channeled spacer. W. A. Heinze. 2,040,379; May 12.
Grinding machine. H. E. Pruitt. 2,040,709; May 12.
Grinding machine. C. C. Stevens. 2,040,449; May 12.
Ground rolling and pulverizing implement. F. H. Riehl. 2,040,710; May 12.
Gun, Sling. C. C. Merrill. 2,040,150; May 12.
Hair drying apparatus. H. L. Orton. 2,040,268; May 12.
Hair remover, Superfluous. J. O. Davies. 2,040,599; May 12.
Hammer for percussion musical instruments. W. D. Gladstone. 2,040,603; May 12.
Hand bag. C. G. King. 2,040,141; May 12.
Handbag. D. Rosenzweig. 2,040,271; May 12.
Hanger: *See*—
Line hanger.
Hanger. J. E. Trottier. 2,040,415; May 12.
Harvester thresher. A. C. Lindgren. 2,040,699; May 12.
Hat brim and constructing the same. E. Wittcoff. 2,040,354; May 12.
Headwear. P. Adamson. 2,040,456; May 12.
Headwear. E. Wittcoff. 2,040,355; May 12.
Heat interchange with compressed gases, Method and apparatus for. H. Holzwarth. 2,040,090; May 12.
Heat regulating system. R. E. Olson. 2,040,328; May 12.
Heat treatment of metal sheets. J. S. Atkinson. 2,040,724; May 12.
Heat treatment of metals, Slag and agitation. E. L. Crosby. 2,040,167; May 12.
Heater for automotive vehicles, Vapor. S. Vernet. 2,040,160; May 12.
Heating method and apparatus. E. F. Northrup. 2,040,760; May 12.
Hinge: *See*—
Concealed hinge.
Holder: *See*—
Card holder. Egg holder.
Holder and dispenser, Milk can. F. Hackl. 2,040,087; May 12.
Hopper. H. W. Thornburg. 2,040,111; May 12.
Horizon determining means, Sight line. O. Eppenstein. 2,040,171; May 12.
Hosiery, Top construction for. J. A. Goodman. 2,040,736; May 12.
Hydraulic press. L. A. Melin. 2,040,394; May 12.
Hydrocarbon material and apparatus therefor, Treatment of. S. P. Miller. 2,040,099; May 12.

Hygrometric apparatus. A. H. Heyroth. 2,040,771; May 12.
Ignition element for self-lighting cigarettes and the like A. H. Fox. 2,040,733; May 12.
Ignition timing apparatus. J. J. Rose. 2,040,106; May 12.
Illuminated sign. H. M. Johnson and A. C. Perbal. 2,040,695; May 12.
Indicating device. C. J. Erickson. 2,040,646; May 12.
Indicating device. T. Wirth. 2,040,410; May 12.
Indicator: *See*—
Engine pressure indicator. Wind speed and direction indicator.
Smoke indicator.
Indicator. J. W. Anderson. 2,040,195; May 12.
Indicator. T. J. Smulski. 2,040,217; May 12.
Insect trap and lamp. E. G. Shinner. 2,040,276; May 12.
Inserts, Method of and apparatus for applying. W. J. McCallum. 2,040,621; May 12.
Installation for mixing two fluids. C. Mallet and H. C. Couetoux. 2,040,663; May 12.
Insulating compositions and method of making, Pressure moldable. L. T. Richardson. 2,040,671; May 12.
Internal combustion engine. H. C. Edwards. 2,040,300; May 12.
Internal combustion engine. J. L. W. Weber. 2,040,453; May 12.
Internal combustion engine. R. C. Williams. 2,040,418; May 12.
Iron and steel alloys, Manufacturing low carbon. H. Gruber and W. Rohn. 2,040,604; May 12.
Jack hammer bit. N. Brenholm. 2,040,074; May 12.
Jewelry. G. Candas. 2,040,428; May 12.
Job time recorder system. E. B. Jackson. 2,040,694; May 12.
Joint: *See*—
Expansion joint. Pipe joint.
Joint for tubes, etc., Coupling. R. W. Shoemaker. 2,040,155; May 12.
Kettle, Saturating. J. F. Dillon. 2,040,514; May 12.
Key and key frame for grand pianos. F. L. George. 2,040,304; May 12.
Knitted fabric. V. Lombardi. 2,040,318; May 12.
Knitting apparatus. V. Lombardi. 2,040,319; May 12.
Krypton and xenon from gaseous mixtures containing them, Separation and recovery of. J. L. Schlitt. 2,040,107; May 12.
Krypton and xenon from gaseous mixtures containing them, Separation and recovery of. C. C. Van Nuys. 2,040,112; May 12.
Krypton and xenon from gaseous mixtures containing them, Separation and recovery of. W. Wilkinson and J. L. Schlitt. 2,040,116; May 12.
Krypton and xenon, Recovery of. J. L. Schlitt. 2,040,108; May 12.
Lamb and the like, Branding. H. H. McKee. 2,040,149; May 12.
Lamp: *See*—
Electric arc lamp.
Laundry bag. C. E. Luttrell. 2,040,559; May 12.
Leather and product obtained thereby, Manufacturing reconstituted compressed. C. Bleyenheuft. 2,040,511; May 12.
Lenses, Surfacing solid bifocal. H. A. Courmettes. 2,040,242; May 12.
Level, Road-grader. L. Persson. 2,040,708; May 12.
Life guard for vehicles. V. J. Clifford. 2,040,360; May 12.
Light: *See*—
Electric light.
Light projector. G. Kuhn. 2,040,613; May 12.
Lighting unit, Street. C. A. B. Halvorson. 2,040,690; May 12.
Line hanger. J. C. Kniedler. 2,040,746; May 12.
Line splice. J. Van Buskirk. 2,040,678; May 12.
Liner. G. H. Graham and L. Robertson. 2,040,516; May 12.
Liquid blasting. E. V. Smith. 2,040,715; May 12.
Liquid in receptacles, Apparatus for indicating the height of. L. S. Shalatow. 2,040,357; May 12.
Liquids, Process of and apparatus for atomizing. C. Fortier. 2,040,302; May 12.
Lock: *See*—
Combination lock. Puzzle lock.
Lock and gate structure. H. Zimmermann. 2,040,722; May 12.
Lock gate. H. Zimmermann. 2,040,721; May 12.
Loom harness. J. J. Kaufmann. 2,040,791; May 12.
Looms, Set-mark preventer for. A. S. Robinson. 2,040,565; May 12.
Lubricating compound, Making and controlling a. R. P. Lutz. 2,040,321; May 12.
Lubrication, Centralized. J. Bijur. 2,040,076; May 12.
Lubricator: *See*—
Bearing lubricator.
Machine for manufacturing paper excelsior. W. Joyce. 2,040,745; May 12.
Machine for operating upon shoes. A. R. Morrill. 2,040,756; May 12.
Machine for shaping uppers over lasts. R. W. Cummings, L. G. Knowles, and A. Eppler, Jr. 2,040,124; May 12.
Machines wherein material is unwound from a holder, Automatically stopping. J. H. Larmuth. 2,040,144; May 12.
Magazine filling machine and dispenser magazine. G. Koren. 2,040,747; May 12.
Mat, Imitation grass. G. J. Kaderbeck. 2,040,611; May 12.
Material, Apparatus for controlling the flow of. H. E. McCrery. 2,040,703; May 12.
Material, Apparatus for drying and heat treating. F. Wernersson. 2,040,227; May 12.
Material separation. W. E. Saxe. 2,040,502; May 12.
Material separator. W. E. Saxe. 2,040,503; May 12.
Material winding machine. C. C. McCain. 2,040,323; May 12.
Materials, Producing moistureproof and airtight. W. J. H. Hinrichs. 2,040,608; May 12.
Measuring, Physiological. E. I. McKesson. 2,040,095; May 12.
Meats, Marking. H. H. McKee. 2,040,148; May 12.
Mechanism for delivering material. E. B. Story and W. T. Case. 2,040,157; May 12.
Mechanism for the tripping or release of movable organs. L. Birkigt. 2,040,197; May 12.
Melting and holding furnace. J. G. G. Frost. 2,040,787–8; May 12.
Metal, Hardening. W. R. Fisher. 2,040,370; May 12.
Metal, Treating sheet. H. W. Nieman. 2,040,442; May 12.
Metallic structure, Method and apparatus for fabricating. A. G. Wagner. 2,040,349; May 12.
Metals, Apparatus for making powdered. J. H. L. De Bats. 2,040,168; May 12.
Metals with cadmium, Coating ferrous. C. E. Swartz. 2,040,282; May 12.
Meter: *See*—
Fluid meter.
Meter insulation. J. L. Ford. 2,040,786; May 12.
Milk cooler. E. A. Karlsson. 2,040,139; May 12.
Mill: *See*—
Rolling mill.
Mill with inclined rolls, Rolling. F. Kocks. 2,040,612; May 12.
Milling machine organization. F. A. Parsons. 2,040,528; May 12.
Mine blasting and similar operations. W. Voortmann. 2,040,581; May 12.
Miner's eyeshield. J. Lakovich. 2,040,614; May 12.
Mixtures of material, Apparatus for separating sized. W. H. Berrisford. 2,040,196; May 12.
Moisture entrainment in steam boilers, Preventing. L. O. Gunderson. 2,040,127; May 12.
Mooring line. E. J. Fitzgibbon. 2,040,769; May 12.
Motor: *See*—
Electric motor.
Motor base. A. W. Mall. 2,040,662; May 12.
Motor vehicle signal. C. W. Huotari. 2,040,382; May 12.
Motors and circuit arrangement therefor, Operating small output alternating current. M. E. Thompson. 2,040,508; May 12.
Mounting, Filament. J. McCullough. 2,040,622; May 12.
Mounting means for automobile doorlocks. E. N. Jacobi. 2,040,258; May 12.
Movement mensuring recorder. F. Sawford. 2,040,501; May 12.
Multiple rolling tool. G. R. Maupin. 2,040,440; May 12.
Musical instruments, Attachment for. E. F. Schulz. 2,040,633; May 12.
Necktie. O. Costantini. 2,040,297; May 12.
Necktie. O. D. Keiser. 2,040,386; May 12.
Needle protector. J. H. Adams. 2,040,289; May 12.
Nest, Sanitary. O. Anderson. 2,040,457; May 12.
Net, Fisherman's landing. B. H. Smith. 2,040,714; May 12.
Nitrate-bearing material, Treatment of. E. S. Freed. 2,040,548; May 12.
Oil burner. J. E. Brandt. 2,040,544; May 12.
Oil burner. H. L. Douglas. 2,040,298; May 12.
Oil burner. A. G. Fernández. 2,040,089; May 12.
Oil composition, Drying. R. D. Bonney and W. S. Egge. 2,040,461; May 12.
Oils, Production of lubricating. U. B. Bray and C. E. Swift. 2,040,239; May 12.
Oils, Treatment of hydrocarbon. G. Egloff and J. C. Morrell. 2,040,366; May 12.
Oils, Treatment of hydrocarbon. J. C. Morrell and G. Egloff. 2,040,395–6; May 12.
Olefine oxides, Manufacture of. A. J. van Peski. 2,040,782; May 12.
Open-hearth furnace. L. C. Edgar. 2,040,472; May 12.
Opener and dispensing means, Can. C. W. Hathaway. 2,040,484; May 12.
Opener, Can. O. N. Wiswell. 2,040,586; May 12.
Opener, Milk can. J. Lyon. 2,040,615; May 12.
Opening and pouring device for cans. O. N. Wiswell. 2,040,585; May 12.
Opposed piston engine. P. C. Mulligan. 2,040,182; May 12.
Ore smelting and reduction process. M. Fränkl. 2,040,650–1; May 12.
Ornamenting transparent articles. H. W. Akroyd. 2,040,163; May 12.
Oven, Bake. J. L. Shroyer. 2,040,675; May 12.
Packaging machine. S. R. Howard. 2,040,436; May 12.
Packing for journal boxes, Spring. C. T. Ripley. 2,040,629; May 12.
Padlock. A. T. Hagerty. 2,040,482; May 12.
Pane retainer. J. I. Russakov. 2,040,340; May 12.

Panels, Manufacture of cementitious. T. J. Foster. 2,040,732; May 12.
Paper clip. H. G. Pasholan. 2,040,443; May 12.
Paper, Printed waxed. F. A. Rapley. 2,040,564; May 12.
Parachute harness. H. G. Rogers. 2,040,533; May 12.
Paving composition and making the same, Bituminous. R. M. Grower. 2,040,481; May 12.
Pedal, Control. E. W. Richter. 2,040,672; May 12.
Phosphate rock, Agglomerating fine. H. A. Curtis. 2,040,081; May 12.
Photoelectric generator. W. Schottky. 2,040,632; May 12.
Photograph display apparatus. H. Fabry. 2,040,251; May 12.
Pile driving attachment. W. H. Nichols. 2,040,668; May 12.
Pilot controlled valve. D. B. Williamson. 2,040,229; May 12.
Pin for vacuum tube and method of molding, Contact. S. W. Severance and J. W. Kessler. 2,040,674; May 12.
Pinion shaft bearing. A. J. Peterman. 2,040,793; May 12.
Pins, wire-tacks, and the like, Production of drawing. J. Hockelmann. 2,040,553; May 12.
Pipe: *See*—
Smoking pipe.
Pipe. A. Torrese. 2,040,190; May 12.
Pipe coupling. E. L. Chappell. 2,040,766; May 12.
Pipe joint. W. L. Leedy. 2,040,092; May 12.
Pipe or tubing, Making welded J. L. Anderson. 2,040,164; May 12.
Pipes and tubes, Method and apparatus for coating. W. Dudley. 2,040,767; May 12.
Piston. H. T. Chandler. 2,040,293; May 12.
Pistons, Treating. G. L. Moore. 2,040,324; May 12.
Planetary printing press E. Cheshire. 2,040,686; May 12.
Planographic printing plate. W. T. Hagelin. 2,040,129; May 12.
Plug: *See*—
Truck tank plug.
Plug and forming same, Closure. J. P. Jesevich. 2,040,088; May 12.
Plush fabric, Apparatus for making. M. Nebel. 2,040,326; May 12.
Positioning gauge. W. C. Card, Jr. 2,040,122; May 12.
Pot. A. Peron. 2,040,102; May 12.
Power installation. S. S. Cook and L. M. Douglas. 2,040,643; May 12
Preparation of emulsifying soaps. J. Robinson. 2,040,673; May 12.
Press: *See*—
Hydraulic press. Upright extruding press.
Planetary printing press.
Press and shaping metal articles, Hydraulic metal drawing. W. Ernst. 2,040,731; May 12.
Press control. A. F. Hanney. 2,040,739; May 12.
Pressure, Method and apparatus for measuring and controlling absolute. D. E. Tell. 2,040,284; May 12.
Pressure operated switch, Automatic tire. S. V. Holmes. 2,040,554; May 12.
Pressure switch. E. F. Mekelburg. 2,040,181; May 12.
Primer for internal combustion engines, Automatic. J. W. FitzGerald. 2,040,253; May 12.
Printing plate shaving machine. W. F. Huck. 2,040,437; May 12.
Protector: *See*—
Needle protector.
Pulsation apparatus. C. G. Suits. 2,040,677; May 12.
Pump: *See*—
Rotary fluid pump. Suction and force pump.
Pump. J. L. L. A. A. Moulet. 2,040,667; May 12.
Pump for refrigeration apparatus. M. C. Terry. 2,040,507; May 12.
Pump or motor construction. L. M. Persons. 2,040,401; May 12.
Pump or the like. J. L. Kempthorne. 2,040,178; May 12.
Puzzle-lock. R. Heimers. 2,040,740; May 12.
Radiators and the like, Handling attachment for. F. P. Heller. 2,040,134; May 12.
Radio direction finder. P. D. Lowell. 2,040,520; May 12.
Railway communication systems, Apparatus for. A. J. Sorensen. 2,040,412; May 12.
Rails, Reworking. C. J. Miller. 2,040,494; May 12.
Rake bar and tooth mounting. E. Duhain. 2,040,689; May 12.
Rake, Broom. C. H. Kaufman. 2,049,205; May 12.
Rake, Side delivery hay. R. B. Hitchcock. 2,040,692; May 12.
Razor, Electric safety. G. Binick. 2,040,683; May 12.
Razor, Safety. G. Taylor. 2,040,345; May 12.
Receiver control. M. A. Rabkin. 2,040,531; May 12.
Receptacle for attachment plug caps. C. T. Von Holtz. 2,040,113; May 12.
Record reproducing device, Sound. J. Holy. 2,040,742; May 12.
Record, Sound. E. A. Huguenard. 2,040,693; May 12.
Recorder: *See*—
Movement measuring recorder.
Recording support. W. Koreska and R. Lant. 2,040,142; May 12.
Rectifier regulator. F. G. Logan. 2,040,492; May 12.
Reel: *See*—
Fishing reel.
Reenforcing means for casket boxes. J. A. Kruly. 2,040,488; May 12.
Reflector. W. Wilson. 2,040,117; May 12.
Reflex signal. C. H. Larson. 2,040,317; May 12.
Refractory materials, Making. A. Rava. 2,040,215; May 12.
Refrigerating apparatus. T. L. Chisholm. 2,040,597; May 12.
Refrigerating apparatus. H. B. Hull. 2,040,744; May 12.
Refrigerating apparatus. C. J. Sekyra. 2,040,634; May 12.
Refrigeration. J. D. Bingham. 2,040,641; May 12.
Refrigerator, Air-cooled. W. R. Hainsworth. 2,040,174; May 12.
Refrigerator cabinet insulation. C. H. Nauert. 2,040,389; May 12.
Refuse and making building materials therefrom, Treating. M. M. Upson. 2,040,416; May 12.
Register, Reseatable. A. J. Saarinen and W. H. Curtis. 2,040,568; May 12.
Regluing tenon and mortise joints. F. H. Grieve. 2,040,126; May 12.
Regulating means for rolling mechanism. E. Meyer. 2,040,755; May 12.
Regulator: *See*—
Arc regulator. Rectifier regulator.
Regulator. K. H. Hubbard. 2,040,743; May 12.
Regulator for fluid pressure systems. W. L. Avery. 2,040,590; May 12.
Relief valve. J. T. Marvin. 2,040,776; May 12.
Remote control apparatus. J. A. Serrell. 2,040,447; May 12.
Remote control for transmissions. L. A. Bixby. 2,040,594; May 12.
Resin for varnishes, Synthetic. A. J. Norton and F. W. Less. 2,040,812; May 12.
Resinous composition. S. E. Chubb. 2,040,687; May 12.
Retainer for weather strip. D. H. Harnly. 2,040,135; May 12.
Retort for the carbonization of coal and like carbonaceous materials, Vertical. F. J. and E. West. 2,040,583; May 12.
Retort for the carbonization of coal and the like, Vertical. F. J. and E. West. 2,040,582; May 12.
Rheostat. D. T. Siegel. 2,040,278; May 12.
Rheostat and potentiometer. D. T. Siegel. 2,040,277; May 12.
Ring for securing heads to containers. J. B. Norwood. 2,040,779; May 12.
Ring with sectional packing rings, Bull. L. W. Hance. 2,040,808; May 12.
Rod: *See*—
Connecting rod. Ullage rod.
Roll, Expanded expander. C. W. Shute. 2,040,411; May 12.
Roll neck milling machine. B. A. Wilson. 2,040,230; May 12.
Roller and paper guide for duplicator carriages, Hinged pressure. A. Marchev. 2,040,393; May 12.
Roller shade mechanism. J. W. Fay. 2,040,301; May 12.
Rolling mill. F. A. Beatty. 2,040,543; May 12.
Roofing ridge roll. L. G. Baumhauer. 2,040,290; May 12.
Rope adjuster and holder. W. C. Holtzmann. 2,040,555; May 12.
Rotary fluid pump. R. J. McLeod. 2,040,754; May 12.
Rubber and new and improved vulcanized rubber, Vulcanizing. R. R. Lewis and A. J. Weiss. 2,040,698; May 12.
Rubber composition method of preserving rubber. W. M. Lauter. 2,040,491; May 12.
Rubber conversion products, Manufacture of. W. Becker, L. Orthner, and A. Blömer. 2,040,460; May 12.
Rubber die. L. M. Harley. 2,040,377; May 12.
Rubber, Method and apparatus for making sheet. J. R. Gammeter. 2,040,549; May 12.
Rubber, Treatment of. A. R. Kemp. 2,040,314; May 12.
Safety device for cableway switches. H. Kruger. 2,040,388; May 12.
Safety device for vehicles. O. W. Klawuhn. 2,040,487; May 12.
Salts of dicarboxylic acid esters of cellulose, Nonalkali metal. C. J. Malm and C. R. Fordyce. 2,040,093; May 12.
Salts of organic arsonic acids with acridine compounds. M. Bockmühl and A. Fehrle. 2,040,070; May 12.
Salts, Production of lithium. H. Siegens and O. Roder. 2,040,573; May 12.
Sandals, Method and machine for sewing Sahara. C. M. Bagshaw. 2,040,459; May 12.
Sanitary napkins, Method and apparatus for making. G. W. Swift, Jr. 2,040,799; May 12.
Saw swaging tool. G. Anderson. 2,040,234; May 12.
Screw driver. E. A. Adison. 2,040,723; May 12.
Seal, Rotary element. R. D. Corke. 2,040,429; May 12.
Seat covering device. J. Brueckl. 2,040,463; May 12.
Seed gathering device. W. B. Putnam. 2,040,498; May 12.
Seed germinating system. E. A. Widmann. 2,040,161; May 12.
Separator: *See*—
Material separator.
Servo mechanism. R. C. Russell. 2,040,409; May 12.
Sewing machine. A. S. Riviere. 2,040,408; May 12.

Sewing machine, Buttonhole. M. J. Kenny. 2,040,260; May 12.
Sewing machine, Multiple needle. E. E. Boyce. 2,040,427; May 12.
Shaft for golf clubs. L. A. Young. 2,040,540; May 12.
Sheet material, Apparatus for saturating absorbent. J. W. Pearl. 2,040,529; May 12.
Shield, Tool. L. Walch. 2,040,719; May 12.
Shipping and display container. M. P. Cortilet. 2,040,241; May 12.
Shipping case. I. N. Jordan. 2,040,313; May 12.
Shoe sole plate, Athletic. J. T. Riddell. 2,040,186; May 12.
Shoe stiffeners, Manufacture of. S. P. Lovell. 2,040,320; May 12.
Shoes and shoe soles, Manufacture of. A. E. C. Hall. 2,040,131; May 12.
Shoes, Method and machine for use in lasting. B. Jorgensen. 2,040,138; May 12.
Showcases and the like, Construction of. G. W. Porter. 2,040,497; May 12.
Shower and method of making, Garden. G. L. Baldwin. 2,040,165; May 12.
Shuttle. L. Pavia. 2,040,670; May 12.
Sign: *See*—
Illuminated sign.
Sign and operating it, Animated. N. P. Smith. 2,040,538; May 12.
Signal: *See*—
Motor vehicle signal. Reflex signal.
Signal system, Protective. K. L. Hayden. 2,040,309; May 12.
Signaling system, Selective. R. Bown. 2,040,462; May 12.
Signaling system, Selective. H. B. Coxhead. 2,040,471; May 12.
Signals in automatic telephone installations, Apparatus for the registration of. E. Zoller. 2,040,588; May 12.
Silicon carbide refractories, Making bonded. R. C. Benner and G. J. Easter. 2,040,236; May 12.
Silk, Method and apparatus for the manufacture of artificial. A. Hartmann. 2,040,607; May 12.
Silk, Manufacture of artificial. G. Hardt. 2,040,606; May 12.
6-nitro-2, 3-hydroxynaphthoic acid. A. Zitscher. 2,040,587; May 12.
Skeleton structure for railway cars. F. Heyner. 2,040,257; May 12.
Skeleton vehicle wheel. C. S. Ash. 2,040,541; May 12.
Smoke and dust absorbing apparatus. S. Magaton. 2,040,700; May 12.
Smoke indicator. T. W. and F. McNeill. 2,040,265; May 12.
Smoking pipe. A. B. Modine. 2,040,704; May 12.
Soap, Stabilizing. E. C. Crocker and L. F. Henderson. 2,040,430; May 12.
Sockets, Making weatherproof. C. Bateholts. 2,040,235; May 12.
Soda solutions, Purifying concentrated caustic. E. Sweetland and R. E. Vander Cook. 2,040,717; May 12.
Solids by flotation, Separating. E. H. Rose and W. T. MacDonald. 2,040,187; May 12.
Soundproof construction. G. B. Roth. 2,040,534; May 12.
Sowing machine. E. J. O. Magne. 2,040,210; May 12.
Speed controlling and braking means. J. A. Cameron and R. M. Johnstone. 2,040,464; May 12.
Spout, Pouring. S. A. Bennett. 2,040,800; May 12.
Spray collector. W. E. Naugler. 2,040,758; May 12.
Spring: *See*—
Valve spring.
Spring construction. J. Kirstein. 2,040,656; May 12.
Spring structure. C. S. Reed. 2,040,780; May 12.
Stabilizing and gas conversion process, Combined. M. P. Youker. 2,040,455; May 12.
Stamping device. M. D. Linn. 2,040,749; May 12.
Stapling machine. G. J. Fodor. 2,040,647; May 12.
Station, Dirigible passenger. H. Rusch. 2,040,535; May 12.
Steam trap. G. F. Gerdts. 2,040,735; May 12.
Steel, Treatment of. M. G. Fowler and L. M. Barker. 2,040,515; May 12.
Stick, Hockey. Z. A. Hall. 2,040,132; May 12.
Stock, Method and apparatus for shaping. G. B. Coe. 2,040,361; May 12.
Stocking, Knee length. E. R. Meinig. 2,040,562; May 12.
Storage tank. J. L. Graham. 2,040,372; May 12.
Stove and range construction. J. Teller. 2,040,346; May 12.
Stove, Apartment. V. J. Cronyn and H. Peruzzini. 2,040,598; May 12.
Stove, Electric table. H. V. Glore. 2,040,479–80; May 12.
Stove, Hydrocarbon fuel burning. B. W. Tullis. 2,040,222; May 12.
Straight articles, Packaging. S. Mardigian and M. Rizzolla. 2,040,493; May 12.
Strand handling device. W. H. Pagenkopf and R. L. Hanson. 2,040,330; May 12.
Stringers, Repairing. A. G. Leake. 2,040,557; May 12.
Strings of tennis rackets, Device for applying and tightening the. F. W. Whiteside. 2,040,194; May 12.
Strip material, Apparatus for making continuous. J. R. Gammeter. 2,040,550; May 12.
Subchase for typographic numbering machines. M. Hoffman and B. Jackson. 2,040,175; May 12.
Substances containing silver and producing the same. F. Geigl. 2,040,806; May 12.
Suction and force pump. S. A. Duffand. 2,040,433; May 12.
Suction cleaner. D. G. Smellie. 2,040,188; May 12.
Sulphur bearing material, Purification and extraction of. R. H. Clayton, H. E. Williams, and H. B. Avery. 2,040,359; May 12.
Sulphur bodies, Manufacture of protein compound of sulphonated hydrocarbon. E. T. Hessle. 2,040,809; May 12.
Sulphur, Recovery of. R. F. Bacon and W. Judson. 2,040,682; May 12.
Support: *See*—
Arch support. Recording support.
Brake beam support.
Support and hair covering for ear-phones. E. P. Donoher. 2,040,246; May 12.
Support for inking mechanism. W. Türk. 2,040,158; May 12.
Sweeper, Carpet. M. U. Morgan. 2,040,623; May 12.
Switch: *See*—
Cross bar switch. Pressure operated switch.
Electrical switch. Pressure switch.
Electromagnetic switch.
Switch structure with differential adjustment. L. M. Persons. 2,040,404; May 12.
Switch structure with means to prevent arcing upon circuit closure. L. M. Persons. 2,040,405; May 12.
Switching device, Make and break. E. E. Johnson. 2,040,772; May 12.
Table: *See*—
Extension table.
Table. R. A. Dieman. 2,040,432; May 12.
Table and book ledge. R. C. Burnley. 2,040,077; May 12.
Table and ironing board, Combination. W. Nelson. 2,040,211; May 12.
Tank: *See*—
Storage tank.
Tar acids, Extraction of. E. H. Ellms. 2,040,084; May 12.
Tar acids from tar, Recovery of. S. P. Miller. 2,040,096; May 12.
Tar, Distillation of. S. P. Miller. 2,040,097; May 12.
Tar treatment. A. H. Radasch. 2,040,104; May 12.
Tar, Treatment of. S. P. Miller. 2,040,098; May 12.
Tar, Treatment of. S. P. Miller. 2,040,100–101; May 12.
Telephone desk set mechanism. R. Horn and J. Humphreys. 2,040,311; May 12.
Telephone system. F. A. Bonomi. 2,040,291; May 12.
Telephone system. W. Hatton and L. B. Haigh. 2,040,308; May 12.
Telephone system. F. R. Lamberty and L. E. Van Damme. 2,040,316; May 12.
Telephone system. J. H. Voss. 2,040,636; May 12.
Telephone system. J. Wicks. 2,040,637; May 12.
Telephone system, Automatic. S. Peterson. 2,040,153; May 12.
Television system. G. N. Oglobliinsky. 2,040,813; May 12.
Temperature control device. D. Spence. 2,040,109; May 12.
Tension device. R. V. Olson and A. M. Radlauer. 2,040,705; May 12.
Textiles, Method of producing. A. Sodmer. 2,040,784; May 12.
Therapeutics for killing bacteria. I. Ostromislensky. 2,040,183; May 12.
Thermocouple testing apparatus. J. T. Nichols. 2,040,495; May 12.
Thermohydrometer. H. W. Eden. 2,040,547; May 12.
Thermometer. H. B. Brown. 2,040,292; May 12.
Thermostatically controlled device. J. A. Spencer. 2,040,762; May 12.
Thimble, Rope. G. T. Browne. 2,040,642; May 12.
Threading tool. J. S. Stull. 2,040,844; May 12.
3-methvial-p-pentane, Preparing. P. Halbig and F. Kaufler. 2,040,130; May 12.
Threshing machine. A. J. Harder. 2,040,605; May 12.
Tire inflator and gauge. D. O. and O. C. Druge. 2,040,299; May 12.
Tire, Non-collapsible. F. S. Dickinson. 2,040,645; May 12.
Tire, Safety. W. D. Nore. 2,040,759; May 12.
Tool: *See*—
Convertible tool. Saw swaging tool.
Multiple rolling tool. Threading tool.
Tool for joining the ends of iron bands. E. Timmerbeil. 2,040,576; May 12.
Toothbrush. R. A. Crawford. 2,040,245; May 12.
Toy. L. Marx. 2,040,522; May 12.
Toy, Electrically lighted gasoline station. L. Marx. 2,040,521; May 12.
Track for track type tractors. E. A. Johnston. 2,040,696; May 12.
Trailer brake. E. R. Bulmer. 2,040,728; May 12.
Transfer process. P. V. Brower. 2,040,075; May 12.
Transmission and change speed mechanism. P. Riley. 2,040,071; May 12.

Transmission, Automatic. S. G. Swanson. 2,040,450; May 12.
Trap: *See*—
Steam trap.
Tremolo for electrical musical instruments, Automatic. N. Langer. 2,040,439; May 12.
Truck pivot damping. F. Kruckenberg, C. Stedefeld, and W. Black. 2,040,262; May 12.
Truck, Railway car. F. W. Lewis. 2,040,773; May 12.
Truck tank plug, Quick opening. G. H. Clay. 2,040,358; May 12.
Trunnion. H. E. Tautz. 2,040,718; May 12.
Tube: *See*—
Vacuum tube. X-ray tube.
Turbine gland. C. R. Soderberg. 2,040,218; May 12.
Typewriter keyboard. A. Dvorak and W. L. Dealey. 2,040,248; May 12.
Typewriting machine. R. E. Benner. 2,040,424; May 12.
Ullage rod. W. H. Marsden. 2,040,701; May 12.
Undergarment. E. R. Meinig. 2,040,561; May 12.
Universal clamp. W. O. Christy. 2,040,466; May 12.
Upholstery installation and making same. L. H. Diehl and G. T. Balfe. 2,040,365; May 12.
Upholstery pad stuffing machinery. T. L. McJoynt. 2,040,094; May 12.
Upright extruding press. F. Hanff. 2,040,653; May 12.
Utensil, Cooking. W. W. Stevens and C. P. Buhl. 2,040,676; May 12.
Vacuum method for manufacturing steel. W. Rohn. 2,040,566; May 12.
Vacuum tube. O. T. McIlvaine. 2,040,752; May 12.
Valve: *See*—
Automatic valve. Pilot controlled valve.
Dash control valve. Relief valve.
Float valve. Viscolizer valve.
Fluid valve.
Valve. J. M. Barrett. 2,040,591; May 12.
Valve. A. A. Blue. 2,040,727; May 12.
Valve. S. Vorech. 2,040,580; May 12.
Valve assembly. C. S. Baker. 2,040,542; May 12.
Valve bag. J. A. Rosmait. 2,040,335–6; May 12.
Valve bag. J. A. Rosmait. 2,040,338; May 12.
Valve bag, Moisture resistant. J. A. Rosmait. 2,040,337; May 12.
Valve gear sleeves, Arrangement for operating engine. A. Kégresse. 2,040,206; May 12.
Valve spring. W. R. Griswold. 2,040,435; May 12.
Vapor, and burning stumps thereby, Apparatus for heating. J. Jones. 2,040,485; May 12.
Vapor electric discharge device. L. Leroy. 2,040,748; May 12.
Vaporization apparatus. E. Silten. 2,040,630; May 12.
Vaporizing generator. B. W. Tullis; 2,040,223; May 12.
Vault, Burial. W. W. Haase. 2,040,128; May 12.
Vehicle body. F. J. Westrope. 2,040,680; May 12.
Vehicle brake. H. N. Charles and H. E. C. Cousins. 2,040,200; May 12.
Vehicle brake. H. E. C. Cousins. 2,040,202; May 12.
Vehicle wheel. W. L. Avery. 2,040,589; May 12.
Ventilator for vehicles. W. S. Hamm. 2,040,306; May 12.
Vibrating mechanism. H. E. Peyrebrune. 2,040,331; May 12.
Viscolizer valve. K. D. Smith. 2,040,537; May 12.
Visual indicator for aircraft radio beacon systems. I. J. Gallagher. 2,040,734; May 12.
Waist bands, Making apparel. R. F. Engman and S. E. Taylor. 2,040,730; May 12.
Wall assembly. G. D. Kellogg. 2,040,385; May 12.
Warp fabric. E. R. Meinig. 2,040,560; May 12.
Washer and drier, Fishing line. M. G. Rowe. 2,040,567; May 12.
Washfountain. H. A. Mullett and H. E. Heine. 2,040,266; May 12.
Washing machine, Wool. W. W. Windle. 2,040,162; May 12.
Wave setter. A. Goodman. 2,040,807; May 12.
Weaver's knotter. N. Cook. 2,040,546; May 12.
Weighing apparatus. M. E. Brendel. 2,040,073; May 12.
Weight indicating mechanism and the like. M. E. Brendel. 2,040,072; May 12.
Weight indicating mechanism for weighing scales, Electrically controlled. M. E. Brendel. 2,040,071; May 12.
Welding material. J. Strauss. 2,040,189; May 12.
Wheel: *See*—
Skeleton vehicle wheel. Vehicle wheel.
Whiskey or other alcoholic beverages, Apparatus for aging. J. Mancini and N. Di Archangel. 2,040,264; May 12.
Wind deflector, Vehicle. W. L. Morrison. 2,040,624; May 12.
Window. O. K. Pomeroy, Sr. 2,040,332; May 12.
Window cleaning device. A. Conty. 2,040,644; May 12.
Windshield defrosting device. H. A. Cutting. 2,040,125; May 12.
Wind speed and direction indicator. S. Graham. 2,040,305; May 12.
Wire, Apparatus and method for heat-treating. A. Simons and C. D. Johnson. 2,040,343; May 12.
Wire, Armored bare ground. G. A. Johnson. 2,040,438; May 12.
Wood and the like, Apparatus for drying. P. de Gissey. 2,040,729; May 12.
Workpieces, Apparatus for processing metal. R. U. Geib, Jr. 2,040,474; May 12.
Workpieces, Apparatus for processing metal. R. U. Geib, Jr. 2,040,476; May 12.
Workpieces, Apparatus for processing tubular metal. R. U. Geib, Jr. 2,040,475; May 12.
Workpieces, Apparatus for processing tubular metal. R. U. Geib, Jr. 2,040,477; May 12.
X-ray apparatus. H. B. McEuen. 2,040,441; May 12.
X-ray differentiation between substances of poly-color. K. D. Chambers. 2,040,685; May 12.
X-ray tube, Shockproof. C. M. Slack and A. H. Laidig. 2,040,156; May 12.
Yarn. J. L. Lohrke and H. H. Perry. 2,040,519; May 12.
Yarn and making the same. N. Lewis and H. Feldman. 2,040,518; May 12.

CLASSIFICATION OF PATENTS

ISSUE OF MAY 12, 1936

NOTE.—First number=class, second number=subclass, third number=patent number

1— 49: 2,040,647
49.6: 2,040,747
2— 10: 2,040,614
37: 2,040,810
39: 2,040,398
42: R.19,960
78: 2,040,561
146: 2,040,386
150: 2,040,297
161: 2,040,137
182: 2,040,355
193: 2,040,354
2,040,456
236: 2,040,730
240: 2,040,562
276: R.19,968
4— 108: 2,040,444
191: 2,040,266
5— 266: 2,040,656
8— 2: 2,040,795
5: 2,040,796
9— 2: 2,040,373
2,040,616
10— 89: 2,040,344
12— 7: 2,040,124
14: 2,040,138
17: 2,040,756
25: 2,040,122
142: 2,040,131
146: 2,040,143
13— 36: 2,040,215
14— 21: 2,040,572
42: 2,040,445
15— 6: 2,040,188
41: 2,040,623
128: 2,040,327
167: 2,040,245
246: 2,040,539
252: 2,040,544
16— 44: 2,040,121
166: 2,040,279
18— 8: 2,040,607
15: 2,040,549
2,040,550
50: 2,040,314
2,040,490
2,040,491
53: 2,040,908
54: 2,040,712
59: 2,040,235
20— 1: 2,040,110
2,040,725
20: 2,040,080
35: 2,040,259
40.5: 2,040,125
69: 2,040,133
23— 27: 2,040,573
38: 2,040,548
107: 2,040,563
108: 2,040,081
184: 2,040,717
226: 2,040,682
236: 2,040,233
238: 2,040,359
252: 2,040,805
24— 126: 2,040,678
132: 2,040,555
184: 2,040,655
245: 2,040,635
261: 2,040,443
25— 1: 2,040,666
154: 2,040,732
26— 17: 2,040,294
2,040,295
19: 2,040,454
63: 2,040,411
27— 32: 2,040,220
99: 2,040,499
28— 1: 2,040,784
29— 90: 2,040,347
2,040,440
148.2: 2,040,088
2,040,140
152: 2,040,152
155.55: 2,040,674
156.5: 2,040,324
157: 2,040,628
30— 34: 2,040,345
45: 2,040,663
33— 73: 2,040,171
209: 2,040,708
34— 19: 2,040,227
2,040,328
2,040,729
26: 2,040,268
35— 40: 2,040,419
36— 2.5: 2,040,186
77: 2,040,320
37— 67: 2,040,303
142: 2,040,065
40— 11: 2,040,750
102: 2,040,251
124: 2,040,510
125: 2,040,317
130: 2,040,533
139: 2,040,363
41— 22: 2,040,163
31.5: 2,040,075
41: 2,040,170
43— 12: 2,040,714
139: 2,040,276
44— 3: 2,040,406
2,040,407
9: 2,040,395
2,040,396
15: 2,040,609
45— 82: 2,040,077
46— 39: 2,040,521
141: 2,040,201
169: 2,040,329
47— 16: 2,040,161
61: Pl.Pt.177
48— 111: 2,040,270
49— 2: 2,040,602
9: 2,040,783
55: 2,040,789
81: 2,040,238
51— 11: 2,040,715
80: 2,040,720
97: 2,040,449
98: 2,040,709
103: 2,040,553
131: 2,040,242
184.1: 2,040,281
186: 2,040,599
52— 27: 2,040,733
53— 1: 2,040,648
2,040,649
5: 2,040,369
8: 2,040,102
10: 2,040,676
55— 77: 2,040,710
114: 2,040,205
56— 21: 2,040,605
122: 2,040,609
207: 2,040,498
377: 2,040,692
400: 2,040,689
58— 24: 2,040,694
44: 2,040,322
125: 2,040,421
60— 52: 2,040,403
102: 2,040,643
61— 22: 2,040,722
24: 2,040,721
74: 2,040,668
62— 5: 2,040,174
15: 2,040,296
89: 2,040,634
91.5: 2,040,631
2,040,744
116: R.19,964
175.5: 2,040,107
2,040,108
2,040,112
2,040,116
63— 1: 2,040,428
14: 2,040,083
65— 61: 2,040,087
66— 24: 2,040,319
91: 2,040,326
117: 2,040,269
172: 2,040,736
195: 2,040,560
66— 201: 2,040,318
68— 3: 2,040,746
9: 2,040,739
10: 2,040,211
18: 2,040,417
70— 46: 2,040,258
53: 2,040,120
105: 2,040,482
72— 0.5: 2,040,385
7: 2,040,128
2,040,488
16: 2,040,534
39: 2,040,627
46: 2,040,578
68: 2,040,350
73— 1: 2,040,199
24: 2,040,771
30: 2,040,390
51: 2,040,738
52: 2,040,292
54: 2,040,357
55: 2,040,305
109: 2,040,681
120: 2,040,552
2,040,701
74— 260: 2,040,136
334: 2,040,711
364: 2,040,450
389: 2,040,654
413: 2,040,287
473: 2,040,594
483: 2,040,388
580: 2,040,465
75— 12: 2,040,566
2,040,604
18: 2,040,804
71: 2,040,209
92: 2,040,650
2,040,651
93: 2,040,167
136: 2,040,592
166: 2,040,078
76— 56: 2,040,234
107: 2,040,172
77— 2: 2,040,273
56: 2,040,225
58: 2,040,761
78— 82: 2,040,621
94: 2,040,240
80— 13: 2,040,474
2,040,475
2,040,476
2,040,477
2,040,612
2,040,764
38: 2,040,400
43: 2,040,169
47: 2,040,543
56: 2,040,755
63: 2,040,494
81— 9.1: 2,040,576
82— 14: 2,040,361
28: 2,040,601
83— 11: 2,040,816
91: 2,040,168
84— 1: 2,040,439
312: 2,040,633
376: 2,040,570
422: 2,040,603
434: 2,040,304
87— 5: 2,040,673
9: 2,040,321
12: 2,040,461
16: 2,040,430
88— 14: 2,040,265
16.2: 2,040,244
19.3: 2,040,579
24: 2,040,280
50: 2,040,527
90— 14: 2,040,230
21: 2,040,528
25: 2,040,437
33: 2,040,232
91— 46: 2,040,514
2,040,529
67.9: 2,040,564
68: 2,040,105
91— 70: 2,040,348
70.2: 2,040,282
73: 2,040,767
92— 3: 2,040,511
93— 36: 2,040,154
94— 18: 2,040,367
95— 2: 2,040,575
5.7: 2,040,247
37: 2,040,422
53: 2,040,216
96— 15: 2,040,705
97— 66: 2,040,751
98— 2: 2,040,306
99— 90: 2,040,249
186: 2,040,726
220: 2,040,806
265: 2,040,537
277: 2,040,264
100— 31: 2,040,493
60: 2,040,394
101— 3: 2,040,749
32: 2,040,148
2,040,149
35: 2,040,524
37: 2,040,525
2,040,526
133: 2,040,393
173: 2,040,226
219: 2,040,158
270: 2,040,686
348: 2,040,331
379: 2,040,377
391: 2,040,175
401.1: 2,040,129
102— 5: 2,040,581
103— 2: 2,040,707
44: 2,040,667
126: 2,040,754
142: 2,040,178
174: 2,040,401
227: 2,040,433
104— 98: 2,040,610
172: 2,040,353
105— 174: 2,040,262
190: 2,040,773
196: 2,040,706
197: 2,040,180
392.5: 2,040,486
399: 2,040,257
409: 2,040,307
106— 9: 2,040,236
15: 2,040,671
22: 2,040,687
23: 2,040,256
31: 2,040,481
40: 2,040,606
108— 24: 2,040,290
110— 8: 2,040,416
21: 2,040,485
111— 77: 2,040,210
112— 9: 2,040,611
34: 2,040,459
76: 2,040,260
79: 2,040,427
208: 2,040,408
113— 23: 2,040,785
45: 2,040,731
114— 115: 2,040,642
230: 2,040,769
116— 54: 2,040,382
133: 2,040,119
117— 26.5: 2,040,135
34: 2,040,518
51: 2,040,144
52: 2,040,519
119— 47: 2,040,457
142: 2,040,410
120— 100: 2,040,182
122— 24: 2,040,090
309: 2,040,434
379: 2,040,127
123— 31: 2,040,300
41: 2,040,333
48: 2,040,652
50: 2,040,453
75: 2,040,206
119: 2,040,778
123— 179: 2,040,505
187.5: 2,040,253
124— 14: 2,040,150
125— 43: 2,040,719
126— 37: 2,040,598
39: 2,040,346
312: 2,040,069
330: 2,040,480
127— 179: 2,040,192
128— 178: 2,040,630
303.12: 2,040,420
306: 2,040,536
129— 16: 2,040,595
131— 12: 2,040,190
2,040,704
132— 31: 2,040,807
134— 1: 2,040,115
2,040,208
26: R.19,967
60: 2,040,770
136— 89: 2,040,632
111: 2,040,255
137— 53: 2,040,776
68: 2,040,597
77: 2,040,285
103: 2,040,735
104: 2,040,272
139: 2,040,591
153: 2,040,342
139— 1: 2,040,565
52: 2,040,791
214: 2,040,670
421: 2,040,657
140— 119: 2,040,330
141— 1: 2,040,567
5: 2,040,162
143— 132: 2,040,718
144— 303: 2,040,669
309: 2,040,126
145— 52: 2,040,713
2,040,723
146— 3: 2,040,114
4: 2,040,458
148— 12: 2,040,515
14: 2,040,370
21: 2,040,179
26: 2,040,283
32: 2,040,797
150— 1: 2,040,559
9: 2,040,335
2,040,336
2,040,337
2,040,338
29: 2,040,141
42: 2,040,271
152— 10: 2,040,645
2,040,759
12: 2,040,356
153— 54: 2,040,442
154— 2: 2,040,365
9: 2,040,466
29: 2,040,799
30: 2,040,745
40: 2,040,608
44: 2,040,786
155— 179: 2,040,780
182: 2,040,463
156— 14: 2,040,556
36: 2,040,301
158— 1: 2,040,231
28: 2,040,402
63: 2,040,222
65: 2,040,089
76: 2,040,523
87: 2,040,298
91: 2,040,544
113: 2,040,147
114: 2,040,558
116: 2,040,446
117.1: 2,040,229
2,040,762
120: 2,040,223
159— 44: 2,040,284
164— 17: R.19,970
50: 2,040,364
166— 1: R.19,963
2,040,619
166— 19: 2,040,413
167— 16: 2,040,811
65: 2,040,183
78: 2,040,794
171— 97: 2,040,688
119: 2,040,684
2,040,763
223: 2,040,448
2,040,468
242: 2,040,768
313: 2,040,469
2,040,470
172— 36: 2,040,371
152: 2,040,184
223: 2,040,506
237: 2,040,997
240: 2,040,677
173— 13: 2,040,438
259: 2,040,250
263: 2,040,382
266: 2,040,204
330: 2,040,113
175— 115: 2,040,620
294: 2,040,425
311: 2,040,600
338: 2,040,103
363: 2,040,492
2,040,748
176— 1: 2,040,752
2,040,753
14: 2,040,605
31: 2,040,243
55: 2,040,414
73: 2,040,596
125: 2,040,173
177— 311: 2,040,375
2,040,495
351: 2,040,195
2,040,217
352: 2,040,734
353: 2,040,691
354: 2,040,288
178— 5: 2,040,142
6: 2,040,813
44: 2,040,426
179— 5: 2,040,309
7.1: 2,040,308
2,040,588
16: 2,040,637
18: 2,040,153
27: 2,040,291
27.54: 2,040,334
39: 2,040,636
46: 2,040,316
78: 2,040,219
84: 2,040,462
2,040,471
90: 2,040,646
146: 2,040,792
159: 2,040,311
180— 77: 2,040,418
181— 25: 2,040,246
183— 7: 2,040,378
15: 2,040,376
62: 2,040,758
184— 7: 2,040,076
185— 41: 2,040,197
188— 5: 2,040,487
78: 2,040,200
2,040,202
88: 2,040,193
112: 2,040,726
152: 2,040,580
180: 2,040,464
195: 2,040,203
210: 2,040,512
2,040,513
234: 2,040,551
189— 36: 2,040,374
37: 2,040,557
66: 2,040,332
192— .01: 2,040,716
36: 2,040,409
194— 97: 2,040,166
101: 2,040,274
102: 2,040,151
196— 10: 2,040,455

196— 10: 2,040,658
13: 2,040,239
36: 2,040,366
76: 2,040,100
114: 2,040,431
197— 100: 2,040,248
103: 2,040,424
200— 27: 2,040,106
33: 2,040,772
52: 2,040,214
58: 2,040,554
59: 2,040,672
83: 2,040,181
87: 2,040,389
91: 2,040,405
122: 2,040,404
201— 55: 2,040,278
56: 2,040,277
202— 30: 2,040,097
78: 2,040,661
220: 2,040,582
2,040,583
204— 1: 2,040,617
2,040,618
205— 12: 2,040,164
206— 44: 2,040,241
207— 9: 2,040,653
209— 166: 2,040,737
167: 2,040,187
173: 2,040,569
467: 2,040,196
502: 2,040,502
2,040,503
210— 209: 2,040,372
211— 80: 2,040,315
107: 2,040,415
214— 42: 2,040,111
215— 7: 2,040,381
22: 2,040,362
37: 2,040,798
215— 39: 2,040,325
74: 2,040,545
217— 3: 2,040,516
20: 2,040,387
40: 2,040,286
57: 2,040,191
219— 4: 2,040,349
8: 2,040,189
10: 2,040,760
35: 2,040,479
2,040,675
220— 9: 2,040,399
10: 2,040,275
55: 2,040,358
61: 2,040,509
2,040,779
221— 11: 2,040,800
23: 2,040,494
2,040,584
2,040,585
2,040,586
2,040,615
27: 2,040,625
60: 2,040,091
2,040,638
95: 2,040,815
144: 2,040,708
225— 16: 2,040,664
226— 43: 2,040,094
95: 2,040,436
118: 2,040,384
229— 17: 2,040,483
23: 2,040,224
36: 2,040,774
37: 2,040,209
47: 2,040,313
230— 58: R. 19,961
120: 2,040,482
147: 2,040,641
230— 149: R. 19,962
206: 2,040,507
261: 2,040,504
233— 46: 2,040,213
234— 1: 2,040,501
1.5: 2,040,095
23: 2,040,062
235— 61: 2,040,086
91: 2,040,509
92: 2,040,702
144: 2,040,568
236— 68: 2,040,743
80: 2,040,109
91: 2,040,447
237— 12.3: 2,040,159
2,040,160
38— 10: 2,040,665
240— 8.11: 2,040,613
10.66: 2,040,423
25: 2,040,690
138: 2,040,117
242— 56: 2,040,333
78: 2,040,775
84.4: 2,040,777
244— 2: 2,040,535
21: 2,040,533
29: 2,040,496
246— 3: 2,040,539
8: 2,040,198
2,040,412
248— 23: 2,040,662
103: 2,040,757
249— 45: 2,040,660
250— 11: 2,040,079
2,040,520
20: 2,040,221
2,040,531
27: 2,040,341
27.5: 2,040,267
2,040,530
250— 27.5: 2,040,571
2,040,622
34: 2,040,441
2,040,695
35: 2,040,156
251— 144: 2,040,542
159: 2,040,727
253— 77: 2,040,640
256— 61: 2,040,263
64: 2,040,674
257— 137: 2,040,118
179: 2,040,139
260— 1: 2,040,460
2: 2,040,212
2,040,812
3: 2,040,207
9: 2,040,809
10: 2,040,801
12: 2,040,368
13: 2,040,765
14: 2,040,070
25: 2,040,145
2,040,146
36: 2,040,380
44: 2,040,467
54: 2,040,782
95: 2,040,473
101: 2,040,093
110: 2,040,587
124: 2,040,397
127: 2,040,626
141: 2,040,130
142: 2,040,123
154: 2,040,084
2,040,096
2,040,098
2,040,099
2,040,101
2,040,104
261— 29: 2,040,185
261— 52: 2,040,254
93: R. 19,965
2,040,700
263— 8: 2,040,724
15: 2,040,472
47: 2,040,261
265— 1: 2,040,194
5: 2,040,073
6: 2,040,072
46: 2,040,547
60: 2,040,639
68: 2,040,071
266— 3: 2,040,343
5: 2,040,679
23: 2,040,478
31: 2,040,532
33: 2,040,787
2,040,788
38: 2,040,157
267— 1: 2,040,435
273— 26: 2,040,228
38: 2,040,522
67: 2,040,132
78: 2,040,252
80: 2,040,540
121: 2,040,310
153: 2,040,740
274— 16: 2,040,742
46: 2,040,237
2,040,603
47: 2,040,781
277— 18: 2,040,663
20: 2,040,209
279— 58: 2,040,517
280— 34: 2,040,134
53: 2,040,339
285— 114: 2,040,092
148: 2,040,766
170: 2,040,177
198: 2,040,155
285— 209: 2,040,165
286— 7: 2,040,429
10: 2,040,218
287— 61: 2,040,790
288— 1: 2,040,379
289— 3: 2,040,546
290— 4: R. 19,966
292— 228: 2,040,392
293— 17: 2,040,360
55: 2,040,176
294— 63: 2,040,574
295— 36: 2,040,802
296— 85: 2,040,624
107: 2,040,680
299— 9: 2,040,391
95: 2,040,302
301— 6: 2,040,589
55: 2,040,541
124: 2,040,577
302— 60: 2,040,506
303— 1: 2,040,451
3: 2,040,814
15: 2,040,312
54: 2,040,590
305— 10: 2,040,606
308— 143: 2,040,351
148: 2,040,352
174: 2,040,489
187: 2,040,803
207: 2,040,793
214: 2,040,741
243: 2,040,629
309— 15: 2,040,293
29: 2,040,808
311— 4: 2,040,432
55: 2,040,593
312— 140: 2,040,497

U. S. GOVERNMENT PRINTING OFFICE: 1936

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, North Chicago, Ill. Pharmaceutical preparation for hypodermic use. Serial No. 376,184; May 19. Class 6.

Aeolian American Corporation, New York, N. Y. Pianos. Serial No. 376,185; May 19. Class 36.

Agfa Ansco Corporation, Binghamton, N. Y. Sensitized photographic film. Serial No. 376,746; May 19. Class 26.

Alaska Freezer Co., Inc., The, Winchendon, Mass. Ice-cream freezers. Serial No. 376,563; May 19. Class 31.

American Canary Fanciers' Association. (See Roller Fanciers' Corporation, The.)

Armour Fertilizer Works, Atlanta, Ga. Fertilizer. Serial No. 375,833; May 19. Class 10.

Ash-Mo Manufacturing Company. (See Plough, Inc.)

Atlanta Journal Company, The, Atlanta, Ga. Newspapers. Serial No. 375,745; May 19. Class 38.

Bagedonow, I. M., Inc., New York, N. Y. Coats. Serial No. 376,422; May 19. Class 39.

Bailey Meter Company, Cleveland, Ohio. Measuring, controlling, and regulating instruments, etc. Serial No. 363,030; May 19. Class 26.

Barron, Jacob L., doing business as J. I. Barron Oil Company, Clarinda, Iowa. Gasoline, oils, and grease. Serial No. 355,958; May 19. Class 15.

Bayou State Oil Corporation, Shreveport, La. Motor lubricating oils and greases, Diesel fuel oils, etc. Serial No. 376,328; May 19. Class 15.

Beaumart, Inc., Bridgeport, Conn. Gin, whiskey, and brandy. Serial No. 377,078; May 19. Class 49.

Bidwell Wholesale Grocery Co. (See Chaitkin, Aaron.)

Bigelow-Sanford Carpet Co. Inc., Thompsonville, Conn. Woven textile rugs and carpets. Serial No. 376,190; May 19. Class 42.

Birch Bark Gum Company. (See Satterfield, Rufus C.)

Blue & White Company. (See Eichelberger, Mary E.)

Brown Shoe Company, Inc., St. Louis, Mo. Shoes. Serial No. 375,873; May 19. Class 39.

Brunings, John H., doing business as Universal Laboratories, San Francisco, Calif. Preparation for the eyes. Serial No. 375,688; May 19. Class 6.

Bureau of National Affairs, Incorporated, The, Washington, D. C. Periodical publications. Serial No. 376,081; May 19. Class 38.

Büsing & Co. G. m. b. H., Reutlingen, Wurtemberg, Germany. Hosiery, underwear, dresses, etc. Serial No. 374,560; May 19. Class 39.

Butler Brothers, doing business as Sentinel Laboratories, Chicago, Ill. Insecticides, insect repellents, and deodorants. Serial No. 375,982; May 19. Class 6.

Calas, George M., doing business as The Calas Laboratories, Oak Park, Chicago, Ill. Preparation for removing hair from the eyebrows and face. Serial No. 374,543; May 19. Class 6.

Carmo Shoe Manufacturing Co., Carthage, Mo. Shoes. Serial No. 368,682; May 19. Class 39.

Celicote Company, The. (See Smith, William E.)

Celluloid Corporation, Newark, N. J. Lamp shades. Serial No. 374,782; May 19. Class 34.

Century Electric Company, St. Louis, Mo. Electric ventilating fans. Serial No. 374,356; May 19. Class 34.

Chaitkin, Aaron, doing business as Bidwell Wholesale Grocery Co., Pittsburgh, Pa. Water softener. Serial No. 375,930; May 19. Class 6.

Chlorex Company, St. Louis, Mo. Chemical. Serial No. 376,526; May 19. Class 6.

Citrus Products Company, Chicago, Ill. Beverages, syrups, and concentrates. Serial No. 376,982; May 19. Class 45.

Cohn, Henry, doing business as Henry Cohn & Company, Baltimore, Md. Men's ties. Serial No. 374,788; May 19. Class 39.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Borated baby powder. Serial No. 376,239; May 19. Class 6.

Colonial Art Company, Inc., Westfield, Mass. Mechanical price signs. Serial No. 375,819; May 19. Class 50.

Concordade Company, Inc., Providence, R. I. Maltless beverages and sirups and extracts for making same. Serial No. 376,945; May 19. Class 45.

Consolidated Razor Blade Co. Inc., Jersey City, N. J. Razor blades. Serial No. 375,821; May 19. Class 23.

Continental Pure Products Co. (See Polefsky, Jacob S.)

Cooperative G. L. F. Mills, Inc., Buffalo and Ithaca, N. Y. Fertilizers. Serial No. 369,910; May 19. Class 10.

Corcoran-Brown Lamp Company, The, Cincinnati, Ohio. Automobile lamps and lighting systems for vehicles. Serial No. 376,193; May 19. Class 21.

Cornelius Publications, Inc., Indianapolis, Ind. Periodical. Serial No. 375,425; May 19. Class 38.

Corporación Argentina de Productores de Carnes, Buenos Aires, Argentina. Meat and products prepared therefrom. Serial No. 376,602; May 19. Class 46.

Cu-Sol Products Corporation, New York, N. Y. Preparation for the skin. Serial No. 376,337; May 19. Class 6.

Dairy Beverages, Inc., New York, N. Y. Coffee. Serial No. 377,042; May 19. Class 46.

David, John, New York, N. Y. Men's suits, trousers, coats, etc. Serial No. 375,497; May 19. Class 39.

Davila Hermanos, Incorporated, San Juan, and Malecon, San Juan, P. R. Rum. Serial No. 377,264; May 19. Class 49.

De Meridor Company, Newburgh, N. Y. Perfumery extracts, toilet waters, colognes, etc. Serial No. 375,793; May 19. Class 6.

Dunlop Rubber Company, Limited, Erdington, Birmingham, England. Rubber tires. Serial No. 375,878; May 19. Class 35.

Dutch Airex Corporation of America, Ltd., Akron, Ohio. Cans containing puncture-sealing compound for tires. Serial No. 374,882; May 19. Class 5.

Eastyarn, Inc., Brooklyn, N. Y. Yarns. Serial No. 376,342; May 19. Class 43.

Eerdmans, William B., doing business as William B. Eerdmans Publishing Company, Grand Rapids, Mich. Religious periodical magazine. Serial No. 376,270; May 19. Class 38.

Eichelberger, Mary E., doing business as Blue & White Company, Harrisburg, Pa. Preparation for athlete's foot, burns, bruises, etc. Serial No. 376,038; May 19. Class 6.

Finecraft Paint Products. (See Tepitsky, Morris.)

Fish-Dee-Lish Corporation, Benicia, Calif. Canned fish products. Serial No. 375,430; May 19. Class 46.

Fites, Howard P., Yuma, Ariz. Fresh vegetables. Serial No. 376,394; May 19. Class 46.

Floran Laboratories, Inc., New York, N. Y. Reconstructive tonic and stimulant indicated in hypochronic anemia, chlorosis, and malnutrition. Serial No. 375,205; May 19. Class 6.

Friedeberg, Adolf, and Everett H. Mayer, New York, N. Y. Rum. Serial No. 376,469; May 19. Class 49.

Fyfe, R. H., & Co., Detroit, Mich. Boots, shoes, and slippers. Serial No. 375,431; May 19. Class 39.

G & N Cell-O-Seal Distributors. (See Grove, Perry E.)

Gamlen Chemical Co., San Francisco, Calif. Preparation for removing deposits from and for preserving metals. Serial No. 375,759; May 19. Class 6.

Garden City Pickle Company, Ripon, Wis. Pickles, olives, and fruit preserves. Serial No. 375,008; May 19. Class 46.

General Cable Corporation, New York, N. Y. Bare and insulated electrical wires and cables. Serial No. 376,756; May 19. Class 21.

Gervasi, Pasquale, doing business as Restal Company, Newark, N. J. Preparation for nervous disorders, headache, etc. Serial No. 376,471; May 19. Class 6.

Girdler Corporation, The, Louisville, Ky. Amino compounds comprising or including 1,3-diaminopropanol-2. Serial No. 374,827; May 19. Class 6.

Girdler Corporation, The, Louisville, Ky. Amino compounds comprising or including 3-dimethylamino-propanediol-1,2. Serial No. 374,828; May 19. Class 6.

Glens Falls Pharmacal Company, Inc., Glens Falls, N. Y. Analgesic balm. Serial No. 375,047; May 19. Class 6.

Gluvtex Mfg. Corp., New York, N. Y. Sportswear. Serial No. 375,295; May 19. Class 39.

Golden Glint Company, Inc., Seattle, Wash. Shampoo preparation. Serial No. 374,660; May 19. Class 6.

Goodrich, B. F., Company, The, Akron, Ohio. Plasticized polymerized vinyl chlorides. Serial No. 375,080; May 19. Class 1.

Goodrich, B. F., Company, The, Akron, Ohio. Gelled solution of polymerized chloride. Serial No. 375,083; May 19. Class 1.

Goodrich, B. F., Company, The, New York, N. Y. Tires and tubes. Serial Nos. 376,671–2; May 19. Class 35.

Gossard, H. W., Co., The, Chicago, Ill. Combination garments. Serial No. 376,084; May 19. Class 39.

Grant, V. A., doing business as Von Buron Laboratories, Independence, Iowa. Medicinal preparations. Serial No. 378,213; May 19. Class 6.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. Coffee. Serial No. 375,979; May 19. Class 46.

Great Western Food Products Company, Inc., Coeur d'Alene, Idaho. Breakfast cereal. Serial No. 374,968; May 19. Class 46.

Greenbros, Inc., Cincinnati, Ohio. Whiskey, gin, rum, etc. Serial No. 377,221; May 19. Class 49.

Grove, Perry E., doing business as G & N Cell-O-Seal Distributors, Seattle, Wash. Glass or jar sealing material. Serial No. 360,272; May 19. Class 50.

Gruen Watch Company, The, Cincinnati, Ohio. Watch cases, watches, and watch movements. Serial No. 375,939; May 19. Class 27.

Hale Products, Inc., Cleveland, Ohio. Skin cream. Serial No. 376,086; May 19. Class 6.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905. Sec. 6, as amended Mar. 2, 1907]

Hanford, G. C., Mfg. Co., doing business as G. C. Hanford Mfg. Co. Ltd., Syracuse, N. Y. Dressing for shoes, gloves, etc. Serial No. 372,173; May 19. Class 4.
Harley Soap Company, Philadelphia, Pa. Shampoo, shampoo base, and oil shampoo. Serial No. 372,323; May 19. Class 6.
Hatleigh, Inc., New York, N .Y. Hats. Serial No. 376,242; May 19. Class 39.
Hazard Wire Rope Company, New York, N. Y. Wire rope and wire strand. Serial No. 377,048; May 19. Class 7.
Hewitt Rubber Corporation, Buffalo, N. Y. Hose. Serial No. 376,584; May 19. Class 35.
Higgins Brothers, Hopkinsville, Ky. Whiskey. Serial No. 375,329; May 19. Class 49.
Hilldun Stores Corporation, New York, N. Y. Suits and coats. Serial No. 376,345; May 19. Class 39.
Holland, Michael J., doing business as Holland Specialty Company, Peoria, Ill. Liquid cleansing preparation for use by dentists. Serial No. 374,140; May 19. Class 6.
Holland and Sherry, Ltd., New York, N. Y. Woolen piece goods. Serial No. 376,088; May 19. Class 42.
Holly Sugar Corporation, Colorado Springs, Colo. Dried molasses sugar beet pulp. Serial No. 364,774; May 19. Class 46.
Honor Maid Negligee Co., Inc., New York, N. Y. Negligees, pajamas, nightgowns, etc. Serial No. 375,705; May 19. Class 39.
Hooker & Sanders, Incorporated, New York, N. Y. Thread and yarn. Serial No. 376,171; May 19. Class 43.
Houbigant, Inc., New York, N. Y. Perfumes and face powder. Serial No. 375,802; May 19. Class 6.
Hubbard Milling Company, Mankato, Minn. Dog food. Serial No. 376,281; May 19. Class 46.
Huttig Sash & Door Company, St. Louis, Mo. Venetian blinds. Serial No. 375,330; May 19. Class 32.
Hynson, Westcott & Dunning, Incorporated, Baltimore, Md. Antiseptics, germicides, and bactericides. Serial No. 376,363; May 19. Class 6.
Indiana Steel & Wire Company, Muncie, Ind. Iron and steel wire. Serial Nos. 376,589–90; May 19. Class 21.
International Latex Corporation, Rochester, N. Y. Bathing caps, latex pants for babies, and latex swim pants. Serial No. 374,334; May 19. Class 39.
Johnson & Winter, New York, N. Y. Glassware for hospital, medical, and dental use. Serial No. 362,622; May 19. Class 44.
Kalor Manufacturing Company, St. Louis, Mo. Solutions containing chemical ingredients and used in permanent waving of the human hair. Serial No. 376,593; May 19. Class 6.
Katzenstein, B., & Bro., Baltimore, Md. Men's clothing. Serial No. 374,647; May 19. Class 39.
Kayser, Julius, & Co., New York, N. Y. Fabric gloves. Serial Nos. 374,752–3; May 19. Class 39.
Kayser, Julius, & Co., New York, N. Y. Hosiery. Serial No. 375,644; May 19. Class 39.
Kayser, Julius, & Co., New York, N. Y. Sweaters and sport shirts. Serial No. 376,245; May 19. Class 39.
Keller-Kohn Co. Inc., The, Cleveland, Ohio. Women's clothing. Serial No. 362,828; May 19. Class 39.
Kendall Company, The, Walpole, Mass. Cotton dress goods and suiting fabrics. Serial No. 375,846; May 19. Class 42.
Keystone Lubricating Company, Philadelphia, Pa. Graphite plastic sealing compound. Serial No. 375,549; May 19. Class 12.
Klaber Bros, New York, N. Y. Dresses and coats. Serial No. 374,622; May 19. Class 39.
Knomark Manufacturing Co. Inc., Brooklyn, N. Y. Shoe cleaner. Serial No. 376,476; May 19. Class 4.
Koret, Inc., New York, N. Y. Ladies' purses, pocketbooks, and hand bags. Serial No. 375,890; May 19. Class 3.
Kress, S. H., and Company, New York, N. Y. Toilet paper, paper towels, tissue paper, etc. Serial No. 374,007; May 19. Class 37.
Laucks, I. F., Inc., Seattle, Wash. Glue. Serial No. 375,942; May 19. Class 5.
Laucks, I. F., Inc., Seattle, Wash. Cold water paints. Serial No. 376,850; May 19. Class 16.
Lawrence, A. C., Leather Company, Peabody, Mass. Leather. Serial No. 375,994; May 19. Class 1.
Levinson, Aaron, assignor to Radioaids Inc., Los Angeles, Calif. Radio transcription records for phonographic reproduction. Serial No. 376,287; May 19. Class 36.
Levy, Moe, & Son, Inc., New York, N. Y. Suits. Serial No. 376,437; May 19. Class 39.
Liberty Distilleries, Inc., Dundalk, Md. Pure rye whiskey. Serial No. 377,052; May 19. Class 49.
Ligonier Refrigerator Company, St. Louis, Mo. Refrigerators and refrigerator units. Serial No. 370,109; May 19. Class 31.
Loose-Wiles Biscuit Company, Long Island City, N. Y. Bakery products. Serial No. 375,258; May 19. Class 46.
Lowe, Joe, Corporation, New York, N. Y. Frozen confections. Serial No. 371,549; May 19. Class 46.
M and M Wood Working Company, Portland, Oreg. Laminated material. Serial No. 356,813; May 19. Class 12.
MacCreadie, William T., Lewisburg, Pa. Game. Serial No. 376,637; May 19. Class 22.
Mallinson, H. R., & Company, Inc., New York, N. Y. Silk and synthetic fabrics. Serial No. 376,353; May 19. Class 42.
Marathon Underwear Company, The. (See Snyder, Lou L.)
Marinovich, Jack G., Watsonville, Calif. Fresh vegetables. Serial No. 376,091; May 19. Class 46.
Markransky, S., & Sons, Philadelphia, Pa. Suits, coats, pants, etc. Serial No. 375,515; May 19. Class 39.
Mayer, Everett H. (See Friedeberg, Adolf, and Everett H. Mayer.)
Mennen Company, The, Newark, N. J. Talcum powder. Serial No. 376,096; May 19. Class 6.
Messner, Eugene, Inc., New York, N. Y. Cotton piece goods. Serial No. 375,591; May 19. Class 42.
Nahigian, M. H., Inc., New York, N. Y. Textile rugs. Serial No. 371,358; May 19. Class 42.
Nash-De Camp Company, San Francisco, Calif. Fresh deciduous fruits and fresh vegetables. Serial No. 375,340; May 19. Class 46.
Nashawena Mills, New Bedford, Mass. Piece goods. Serial No. 375,455; May 19. Class 42.
National Importing Company, Boston, Mass. Canned fish balls. Serial No. 373,701; May 19. Class 46.
Niedner's, Chas., Sons Company, Malden, Mass. Woven fire hose. Serial No. 376,299; May 19. Class 35.
Oldetyme Distillers, Inc., New York, N. Y. Whiskey. Serial No. 377,059; May 19. Class 49.
O'Malley, Charles R., Glencoe, Ill. Medicinal preparations. Serial No. 375,341; May 19. Class 6.
Oneida Paper Products, Inc., New York, N. Y. Paper bags. Serial No. 376,394; May 19. Class 2.
Onondaga Pottery Company, Syracuse, N. Y. China and porcelain table ware. Serial No. 368,343; May 19. Class 30.
Pacific Mills, Lawrence and Boston, Mass. Cotton piece goods. Serial No. 376,061; May 19. Class 42.
Patricia Petticoat Co., Inc., The, New York, N. Y. Slips. Serial No. 375,659; May 19. Class 39.
People's Outfitting Company, Detroit, Mich. Mattresses, bed springs, box springs, etc. Serial No. 376,692; May 19. Class 32.
Philadelphia Dairy Products Company, Inc., Philadelphia, Pa. Ice cream. Serial No. 376,248; May 19. Class 46.
Phillips Milling Company, San Francisco, Calif. Rice. Serial No. 375,557; May 19. Class 46.
Piccini, Antonio, Brooklyn, N. Y. Canned olive oil. Serial No. 373,932; May 19. Class 46.
Plough, Inc., doing business as Ash-Mo Manufacturing Company, Memphis, Tenn. Petroleum jelly. Serial No. 368,079; May 19. Class 6.
Polefsky, Jacob S., doing business as Continental Pure Products Co., Jersey City, N. J. Whiskeys, brandies, gins, etc. Serial Nos. 377,166–7; May 19. Class 49.
Porter, N., Saddle and Harness Company, Phoenix, Ariz. Saddles, saddle-trees, and saddle-tree horns. Serial No. 376,064; May 19. Class 3.
Prince De Chany, Inc. (See Vimay-Chany, Inc.)
Rabinowitz, Rose, New York, N. Y. Candy. Serial No. 374,850; May 19. Class 46.
Radioaids, Inc. (See Levinson, Aaron.)
Reaubourg, Gaston, Paris, France. Liquid product for treatment of nervous affections and diseases and for insomnia. Serial No. 375,777; May 19. Class 6.
Reed, E. P., & Co., Rochester, N. Y. Shoes. Serial No. 375,598; May 19. Class 39.
Reichel, Otto, Berlin-Neukolln, Germany. Perfumes, ethereal and essential oils, aromatic vinegars, etc. Serial No. 358,297; May 19. Class 6.
Restal Company. (See Gervasi, Pasquale.)
Retail Clerks International Protective Association, Lafayette, Ind. Periodical. Serial No. 376,143; May 19. Class 38.
Reynolds Corporation, New York, N. Y. Aluminum paint. Serial No. 376,920; May 19. Class 16.
Rieck & Johnston, Tyler, Tex. General cleaning preparation for windows, glassware, etc. Serial No. 372,804; May 19. Class 4.
Röhm & Haas Company, Philadelphia, Pa. Aqueous resin emulsion. Serial No. 375,950; May 19. Class 6.
Röhm & Haas Company, Philadelphia, Pa. Coating material for textiles and other fibrous materials. Serial No. 375,951; May 19. Class 6.
Röhm & Haas Company, Philadelphia, Pa. Powdered synthetic resins and solutions thereof. Serial No. 375,952; May 19. Class 6.
Röhm & Haas Company, Philadelphia, Pa. Resin solution for textiles and other fibrous materials. Serial No. 375,953; May 19. Class 6.
Roller Fanciers' Corporation, The, doing business as American Canary Fanciers' Association, Kansas City, Mo. Leg bands for canaries. Serial No. 375,901; May 19. Class 50.
Rose Valley Produce Co., Inc., Milpitas, Calif. Fresh vegetables. Serial No. 376,102; May 19. Class 46.
Ross, David, Brooklyn, N. Y. Artificial flowers. Serial No. 374,433; May 19. Class 40.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Royal Standard Accordion Co., Zuleger & Mayenburg, Brunndobra, Germany. Accordions, mouth-organs, bandonions, etc. Serial No. 360,108; May 19. Class 36.
St. Mary's Woolen Mfg. Co., St. Mary's, Ohio. Woolen and worsted piece goods. Serial No. 375,522; May 19. Class 42.
Salesmen's Grocery Corporation, Buffalo, N. Y. Tea, spices, flavoring extracts, etc. Serial No. 369,589; May 19. Class 46.
Sandura Company, Inc., East Walpole, Mass., and Philadelphia, Pa. Composition floor coverings. Serial No. 372,214; May 19. Class 20.
Santa Cruz Distillers, Christiansted, St. Croix, Virgin Islands. Alcoholic punch. Serial No. 363,896; May 19. Class 49.
Satterfield, Rufus C., doing business as Birch Bark Gum Company, Kensington, Md. Chewing gum. Serial No. 375,862; May 19. Class 46.
Schoenhut, O., Inc., Philadelphia, Pa. Board game. Serial No. 376,548; May 19. Class 22.
Schraner, William J., Detroit, Mich. Ice cream and frozen confections. Serial No. 376,302; May 19. Class 46.
Seiler, Karl, & Sons, Philadelphia, Pa. Frankfurters. Serial No. 372,691; May 19. Class 46.
Selsi Company, Inc., New York, N. Y. Binoculars. Serial Nos. 376,694–6; May 19. Class 26.
Sentinel Laboratories. (See Butler Brothers.)
Smith, William E., doing business as The Cellcote Company, Cleveland, Ohio. Mortar used in cement and mortar. Serial No. 373,542; May 19. Class 12.
Snyder, Lou L., doing business as The Marathon Underwear Company, Baltimore, Md. Sports outerwear and men's underwear. Serial No. 375,559; May 19. Class 39.
South African Wine Farmers Import Corporation, Jersey City, N. J. Grape brandy. Serial No. 377,026; May 19. Class 49.
Southern Biscuit Company, Incorporated, Richmond, Va. Biscuits. Serial No. 376,361; May 19. Class 46.
Sparkle Craft Inc., New York, N. Y. Kit containing materials for effecting surface decorations. Serial No. 375,960; May 19. Class 50.
Spatz Brothers, New York, N. Y. Raincoats. Serial No. 372,218; May 19. Class 39.
Sport-A-Fether Incorporated, New York, N. Y. Feathers in the nature of ornaments. Serial No. 369,068; May 19. Class 40.
Sportolari, Frank, Pittsburgh, Pa. Ice cream. Serial No. 361,287; May 19. Class 46.
Standard Brands Incorporated, New York, N. Y. Canned vegetables. Serial Nos. 374,487–9; May 19. Class 46.
Standard Brands Incorporated, New York, N. Y. Salad dressing, sandwich spread, black pepper, etc. Serial No. 375,817; May 19. Class 46.
Standard Brands Incorporated, New York, N. Y. Black pepper, pickles, garlic seasoning, etc. Serial No. 375,818; May 19. Class 46.
Staton, Max V., Warren, Ohio. Dentifrice. Serial No. 359,411; May 19. Class 6.
Stehli Silks Corporation, New York, N. Y. Piece goods. Serial No. 376,502; May 19. Class 42.
Stolba, Emil F., doing business as Stolbasone Salve Company, Pasadena, Calif. Medicine. Serial No. 366,648; May 19. Class 6.
Stolbasone Salve Company. (See Stolba, Emil F.)
Style Garment Company, Inc., Los Angeles, Calif. Ladies' cloaks, coats, and suits. Serial No. 370,917; May 19. Class 39.
Sunny Hills Ranch, Inc., doing business as Sunny Hills Citrus Assn., Fullerton, Calif. Fresh citrus fruit. Serial No. 376,307; May 19. Class 46.
Teplitsky, Morris, doing business as Finecraft Paint Products, Philadelphia, Pa. Paints, paint enamels, varnishes, etc. Serial No. 375,524; May 19. Class 16.
Tom Collins Corporation, The, Covington, Ky. Alcoholic mixtures, whiskey highball, gin, highball, etc. Serial No. 376,984; May 19. Class 49.
Torrington Manufacturing Company, The, Torrington, Conn. Electric fans. Serial No. 376,252; May 19. Class 21.
Troy, Seymour, Inc., New York, N. Y. Ladies' shoes. Serial No. 375,617; May 19. Class 39.
United States Rubber Products, Inc., New York, N. Y. Golf balls. Serial No. 377,070; May 19. Class 22.
Universal Laboratories. (See Brunings, John H.)
Van Sickler, Robert, Washington, D. C. Periodical publication of verses, articles, and sketches. Serial No. 372,259; May 19. Class 38.
Vermont Marble Company, Proctor, Vt. Processed black marble. Serial No. 375,820; May 19. Class 1.
Vimay-Chany, Inc., doing business as Prince De Chany, Inc., Culver City, Calif. Face powders and perfumes. Serial No. 376,418; May 19. Class 6.
Von Buron Laboratories. (See Grant, V. A.)
Warren-Teed Products Company, The, Columbus, Ohio. Emulsified preparation containing mineral oil. Serial No. 375,821; May 19. Class 6.
Wasum, Wilhelm, Bacharach-on-Rhine, Germany. Wines. Serial No. 374,032; May 19. Class 47.
Weyman Brothers, Los Angeles, Calif. Women's hats. Serial No. 375,187; May 19. Class 39.
Wheeling Corrugating Company, Wheeling, W. Va. Cans, scrub tubs, buckets, etc. Serial No. 365,182; May 19. Class 2.
Wheeling Corrugating Company, Wheeling, W. Va. Cans, scrub tubs, buckets, etc. Serial No. 365,184; May 19. Class 2.
Will & Baumer Candle Co., Inc., Syracuse, N. Y. Candles. Serial No. 376,420; May 19. Class 15.
Willcox & Gibbs Sewing Machine Co., New York, N. Y. Sewing machines. Serial No. 376,558; May 19. Class 23.
Wilson Brothers, Chicago, Ill. Hosiery. Serial No. 375,915; May 19. Class 39.
Winthrop Chemical Company, Inc., New York, N. Y. Preparation for treatment of cardial and vascular disturbances of spasmodic character. Serial No. 375,365; May 19. Class 6.
Wyeth, John, & Brother, Incorporated, Philadelphia, Pa. Sedatives. Serial No. 376,514; May 19. Class 6.
Zwecker & Lehr, Inc., New York, N. Y. Gaffel-bitters, herring, canned anchovies, etc. Serial No. 359,736; May 19. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Adelphia Shirt Co., Allentown, Pa. Shirts, blouses, polo shirts, and underwear. 335,006; May 19. Serial No. 373,713; published Mar. 10, 1936. Class 39.
Aetna Shirt Company, Baltimore, Md. Men's and boys' outer shirts. 335,078; May 19. Class 39.
Albers, Carl, Brooklyn, N. Y. Medicinal preparation. 335,076; May 19. Class 6.
Al-Ka-Gel Laboratories. (See Loseff, Samuel.)
Amdur, Henry, & Sons, Inc., New York, N. Y. Handbags. 334,890; May 19; Serial No. 373,860; published Mar. 3, 1936. Class 3.
American Aniline Products, Inc., New York, N. Y. Dyestuffs. 334,939–43; May 19; Serial Nos. 372,807–11; published Mar. 3, 1936. Class 6.
American Aniline Products, Inc., New York, N. Y. Dyestuffs. 334,944; May 19; Serial No. 372,813; published Mar. 3, 1936. Class 6.
American Aniline Products, Inc., New York, N. Y. Wetting out agents. 335,034; May 19; Serial No. 372,804; published Mar. 3, 1936. Class 6.
American Aniline Products, Inc., New York, N. Y. Dyestuffs. 335,035; May 19; Serial No. 372,806; published Mar. 3, 1936. Class 6.
American Crayon Company, The, Sandusky, Ohio. Varnish sealer and varnish finish. 334,893; May 19; Serial No. 373,350; published Mar. 10, 1936. Class 16.
American Machine and Metals Manufacturing Corporation, New York, N. Y. Permanent wave machines, electric hair dryers, etc. 334,876; May 19; Serial No. 370,376; published Mar. 10, 1936. Class 44.
Arakelian, K., Inc., Madera, Calif., and New York, N. Y. Brandy. 334,913; May 19; Serial No. 373,989; published Mar. 10, 1936. Class 49.
Arakelian, K., Inc., Madera, Calif. Wines. 335,019; May 19; Serial No. 348,157; published May 1, 1934. Class 47.
Armstrong Stove and Manufacturing Company, Perryville, Md. Ranges and furnaces and boilers. 335,077; May 19. Class 34.
Arrow Distilleries, Inc., Detroit, Mich. Liqueur. 334,945; May 19; Serial No. 372,818; published Mar. 10, 1936. Class 49.
Arrow-Hart & Hegeman Electric Company, The, Hartford, Conn. Electric switch handles, electrical outlets, switch plates, etc. 335,050; May 19; Serial No. 372,501; published Mar. 3, 1936. Class 21.
Associated Rubber Corporation, New York, N. Y. Tires, tubes, fan belts, etc. 370,821; May 19; Serial No. 334,963; published Mar. 10, 1936. Class 35.
Avol Laboratories, Boston, Mass. Shampoo. 334,965; May 19; Serial No. 371,138; published Feb. 18, 1936. Class 6.
Baby Talk Publishing Company. (See Mele, S. Charles.)
Bailey Meter Company, Cleveland, Ohio. Measuring, controlling, and regulating instruments, etc. 335,079; May 19. Class 26.
Beaumont, Howarth D., doing business as Nutmaster Company, Evanston, Ill. Nut cracking appliances. 334,976; May 19; Serial No. 371,580; published Mar. 10, 1936. Class 23.

Beck, Joseph, Sons, Inc., New York, N. Y. Brandy. 335,017; May 19; Serial No. 346,729; published Mar. 13, 1934. Class 49.

Beebe, A. M., doing business as A. M. Beebe Company, San Francisco, Calif. Canned vegetables. 334,999; May 19; Serial No. 363,794; published Mar. 10, 1936. Class 46.

Beech-Nut Packing Company, Canajoharie, N. Y. Bacon, ham, peanut butter, etc. 334,925; May 19; Serial No. 373,553; published Mar. 10, 1936. Class 46.

Bender, Joseph C., doing business as J. C. Bender & Co. and The Noggon Company, Jersey City, N. J. Emulsion of egg yolk, spirituous liquor, and other ingredients. 334,970; May 19; Serial No. 373,666; published Mar. 10, 1936. Class 46.

Berlin Mills Company, Portland, Maine, by change of name to Brown Company, Portland, Maine, and Berlin, N. H. Wrapping-paper. 112,153; renewed Aug. 22, 1936.

Better Drug Products, Inc., Tulsa, Okla. Face and hand lotion. 335,033; May 19; Serial No. 372,803; published Mar. 3, 1936. Class 6.

Beverly Knitting Mills. (See Griffith, Lester G.)

Big Master Cocoa Company. (See K. B. Chocolate Company.)

Bill Brothers Publishing Corporation, New York, N. Y. Monthly printed periodical or trade paper. 334,894; May 19; Serial No. 373,330; published Mar. 3, 1936. Class 38.

Booth Fisheries Company, assignor to Booth Fisheries Corporation, Chicago, Ill. Canned salmon. 110,065; renewed May 2, 1936.

Booth Fisheries Company, assignor to Booth Fisheries Corporation, Chicago, Ill. Canned salmon, canned lobster, canned sardines, etc. 110,393; renewed May 23, 1936.

Bradbury Estate Company, Los Angeles, Calif., assignor to Santiago Orange Growers Association, Orange, Calif. Oranges and lemons. 111,924; renewed Aug. 15, 1936.

Brooklyn Scientific Products Co., Inc., New York, N. Y. Laxative. 334,971; May 19; Serial No. 372,201; published Mar. 10, 1936. Class 6.

Brown Company. (See Berlin Mills Company.)

Brown, L. V. W., Estate, Riverside, Calif. Fresh citrus fruit. 334,979; May 19; Serial No. 371,882; published Mar. 10, 1936. Class 46.

Buckeye Brewing Company, The, Toledo, Ohio. Malt beverage. 335,012; May 19; Serial No. 337,729; published July 11, 1933. Class 48.

Buffalo Mineral Springs Corporation, Buffalo Springs, Va. Natural mineral water. 335,007; May 19; Serial No. 373,721; published Mar. 10, 1936. Class 45.

Burgess Supply Co., Inc., New York, N. Y. Cream fondant. 109,444; renewed Apr. 11, 1936.

Button, George W., Corporation, New York, N. Y. Perfumes, toilet water, skin lotions, etc. 334,992; May 19; Serial No. 358,718; published Feb. 12, 1935. Class 6.

Camel Lead Color & Chemical Products Mfg. Corp., Brooklyn, N. Y. Ready mixed paints and paint enamel. 335,042; May 19; Serial No. 374,125; published Mar. 10, 1936. Class 16.

Carbogen Chemical Company, Garwood, N. J. Resins and solutions thereof for varnishes, etc. 334,972; May 19; Serial No. 371,960; published Mar. 10, 1936. Class 16.

Chandler, Edward C., doing business as Pioneer Chemical & Manufacturing Company, Cleveland, Ohio. Dishwashing compounds. 334,909; May 19; Serial No. 373,592; published Mar. 3, 1936. Class 4.

Chula Vista Vegetable Exchange, Chula Vista, Calif. Fresh celery. 335,064; May 19; Serial No. 373,596; published Mar. 10, 1936. Class 46.

Cinch Manufacturing Corporation, Chicago, Ill. Sockets for electric vacuum tubes. 335,023; May 19; Serial No. 370,172; published Mar. 10, 1936. Class 21.

Clark's, Inc., Washington, D. C. Whiskey. 335,041; May 19; Serial No. 374,113; published Mar. 10, 1936. Class 49.

Class & Nachod Brewing Company, The, Philadelphia, Pa. Beer, ale, and porter. 334,926; May 19; Serial No. 373,361; published Mar. 10, 1936. Class 48.

Clinton, George, doing business as The Clinton Company, Wichita, Kans. Liniment. 334,951; May 19; Serial No. 372,869; published Mar. 10, 1936. Class 6.

Clyffside Brewing Company, The, Cincinnati, Ohio. Beer. 334,988; May 19; Serial No. 374,455; published Mar. 10, 1936. Class 48.

Cohn, Jack, New York, N. Y. Teething rings, pacifiers, and nipples. 334,946; May 19; Serial No. 372,823; published Mar. 10, 1936. Class 44.

Colfanite Products Co., Inc., doing business as The Resynite Company, Seattle, Wash. Paints, varnishes, paint enamels, etc. 334,985; May 19; Serial No. 374,231; published Mar. 10, 1936. Class 16.

Collins, Lee Company, Chelsea, Mass. Salt cod fish. 335,002; May 19; Serial No. 364,712; published Mar. 10, 1936. Class 46.

Conn's Clothes Shop, Detroit, Mich. Men's suits, overcoats, and top coats. 335,078; May 19. Class 39.

Conway, William A., Baltimore, Md. Sheet metal. 334,956; May 19; Serial No. 372,904; published Mar. 3, 1936. Class 14.

Couch, W. W., Company. (See N & W Overall Company, Inc., The.)

Crown Cork & Seal Company, Inc., Baltimore, Md. Liner discs for closures. 335,043; May 19; Serial No. 372,763; published Mar. 3, 1936. Class 50.

D & B Products Corporation, Jersey City, N. J. Whiskey. 334,915; May 19; Serial No. 374,043; published Mar. 10, 1936. Class 49.

Degea Aktiengesellschaft (Auergesellschaft), Berlin, Germany. Spectacles, telescope sights, field-glasses, etc. 335,036; May 19; Serial No. 355,665; published Mar. 10, 1936. Class 26.

Delaware Importers, Inc., Wilmington, Del. Whiskey. 334,912; May 19; Serial No. 373,986; published Mar. 10, 1936. Class 49.

Delta Theta Tau Fraternity, Warsaw, Ind. Fraternity badges, lapel buttons, finger rings, etc. 334,917; May 19; Serial No. 373,130; published Feb. 25, 1936. Class 28.

Difco Laboratories Incorporated. (See Digestive Ferments Co.)

Digestive Ferments Co., by change of name to Difco Laboratories Incorporated, Detroit, Mich. Bacteriological products. 112,767; renewed Sept. 26, 1936.

Durfee, F. J., Jr., Lakeland, Fla. Canned fruit juices. 334,871; May 19; Serial No. 368,608; published Mar. 10, 1936. Class 46.

Duro Metal Products Company, Chicago, Ill. Wood-working and metal-working machines, tools and apparatus. 335,056; May 19; Serial No. 372,406; published Mar. 10, 1936. Class 23.

Eclipse Aviation Corporation, East Orange, N. J. Starting motors and generators, dynamotors, etc. 335,020; May 19; Serial No. 348,321; published June 12, 1934. Class 21.

Ederer, R. J., Net & Twine Co., The, Baltimore, Md. Fishing tackle. 334,939; May 19; Serial No. 374,458; published Mar. 10, 1936. Class 22.

Enterprise Accessories, Inc., Greenfield, Mass. Handbags. 335,030; May 19; Serial No. 372,764; published Mar. 3, 1936. Class 3.

Euclid Coffee Co., The, Cleveland, Ohio. Coffee. 335,072; May 19. Class 46.

Eureka Specialty Printing Company, Scranton, Pa. Household label books. 334,877; May 19; Serial No. 370,410; published Mar. 3, 1936. Class 37.

Excelsior Underwear Company, Inc., doing business as Excelsior Underwear Co., Inc., Baltimore, Md. Men's and boys' pajamas and underwear. 334,927; May 19; Serial No. 373,371; published Mar. 3, 1936. Class 39.

Fehr, Frank, Brewing Co., Inc., Louisville, Ky. Beer. 334,909; May 19; Serial No. 373,682; published Mar. 10, 1936. Class 48.

Feron, Stephen J., Inc., New York, N. Y. Tennis rackets, squash rackets, badminton rackets, etc. 334,910; May 19; Serial No. 373,958; published Mar. 10, 1936. Class 22.

Fla-Tex Products Company, The, Flatonia, Tex. Chemical powdered product for the de-odorization, etc., of gasoline, naphtha, and solvents. 335,021; May 19; Serial No. 368,773; published Mar. 3, 1936. Class 6.

Fletcher Paper Company, Alpena, Mich. Wrapping paper. 335,067–8; May 19; Serial Nos. 373,603–4; published Mar. 3, 1936. Class 37.

Flexsteel Spring Corporation, Minneapolis, Minn. Vehicle seat springs and bed springs. 334,882; May 19; Serial No. 373,779; published Mar. 10, 1936. Class 32.

Foreman, Frank, Inc., New York, N. Y. Polo shirts, bathing suits and trunks, sweaters, etc. 334,928; May 19; Serial No. 373,412; published Mar. 10, 1936. Class 39.

Forrest Knitting Mills. (See Highland Knitting Mills.)

Franklin MacVeagh and Company, Chicago, Ill. Canned salmon, clams, oysters, etc. 335,015; May 19; Serial No. 344,587; published Mar. 10, 1936. Class 46.

Fuld Bros., Inc., Baltimore, Md. Waxes. 334,887; May 19; Serial No. 373,916; published Mar. 10, 1936. Class 16.

Geiger, Jacob W., New York, N. Y. Chemical preparation for coating pliable sheets and solids. 335,045; May 19; Serial No. 372,765; published Mar. 3, 1936. Class 6.

Gelatin Products Company. (See Scherer, Robert P.)

General Stores, Incorporated, Beckley, W. Va. Coffee, wheat flour, corn meal, etc. 335,028; May 19; Serial No. 367,501; published Mar. 10, 1936. Class 46.

Gernsback, Hugo, New York, N. Y. Publication. 335,062; May 19; Serial No. 372,241; published Mar. 3, 1936. Class 38.

Grand Union Company, The, New York, N. Y. Coffee. 334,974; May 19; Serial No. 371,919; published Mar. 3, 1936. Class 46.

Grant's, Dr., Laboratories. (See Richards, Dr., Association, Inc.)

Graves, Carl M., West Milton, Ohio. Table board game. 334,883; May 19; Serial No. 373,780; published Mar. 10, 1936. Class 22.

Gray, George W., doing business as Gray Laboratories, Brooklyn, N. Y. Compound for restoring original color to grey hair. 334,922; May 19; Serial No. 373,214; published Mar. 3, 1936. Class 6.

Greenbaum, Nat., Bag Co., Inc., New York, N. Y. Ladies' hand bags. 335,065; May 19; Serial No. 373,637; published Mar. 3, 1936. Class 3.

Gretsch & Brenner, Inc., New York, N. Y. Fretted musical instruments. 334,903; May 19; Serial No. 373,256; published Mar. 10, 1936. Class 36.

Griffith, Lester G., doing business as Beverly Knitting Mills, Los Angeles, Calif. Knit goods. 334,947; May 19; Serial No. 372,831; published Mar. 10, 1936. Class 39.

Gristede Bros. Inc., New York, N. Y. Artificial carbonated lithiated water. 334,874; May 19; Serial No. 373,103; published Mar. 3, 1936. Class 6.

Gristede Bros. Inc., New York, N. Y. Artificial carbonated lithiated water. 334,885; May 19; Serial No. 369,999; published Feb. 25, 1936. Class 6.

Gross, Dave, Pueblo, Colo. Ties and scarfs. 335,003; May 19; Serial No. 364,700; published Sept. 24, 1935. Class 39.

Gulf Supply Company. (See Langdon, L. J.)

Harris, Morris, doing business as Union Manufacturing Co., Los Angeles, Calif. Trousers, breecher, overalls, and jackets. 335,061; May 19; Serial No. 372,245; published Mar. 10, 1936. Class 39.

Harwood Underwear Corporation, New York, N. Y. Ladies' underwear and slips. 334,886; May 19; Serial No. 363,960; published Oct. 29, 1935. Class 39.

Heathcote, Anne, doing business as Heathcote Studios, Chicago, Ill. Permanent wave pads, strings, and foil papers. 334,961; May 19; Serial No. 370,614; published Mar. 10, 1936. Class 44.

Hettrick Manufacturing Company, The, Toledo, Ohio. Cotton piece goods. 335,008–9; May 19; Serial Nos. 373,731–2; published Mar. 10, 1936. Class 42.

Highland Knitting Mills, doing business as Forrest Knitting Mills, Philadelphia, Pa. Sweater-coats, sweaters, cardigan jackets, etc. 334,901; May 19; Serial Nos. 373,259; published Mar. 3, 1936. Class 39.

Hinrichs Distilled Products, assignor to Mid-Continental Liquor Distributors, Inc., St. Louis, Mo. Whiskey, gin, rum, etc. 334,914; May 19; Serial No. 374,004; published Mar. 10, 1936. Class 49.

Hoffmann, Otto, Brooklyn, N. Y. Medicine. 335,049; May 19; Serial No. 372,516; published Mar. 10, 1936. Class 6.

Howlett & Hockmeyer Co. Inc., New York, N. Y. Pile fabrics. 335,046; May 19; Serial No. 372,754; published Mar. 10, 1936. Class 42.

Hunt Brothers Company, assignor, by mesne assignments, to Hunt Brothers Packing Company, San Francisco, Calif. Canned fruits. 112,283; renewed Aug. 29, 1936.

Hussmann-Ligonier Company, St. Louis, Mo. Refrigerators and refrigerating units. 335,075; May 19. Class 31.

Indian River Associates, Inc., Vero Beach, Fla. Fresh citrus fruits. 334,960; May 19; Serial No. 373,828; published Mar. 10, 1936. Class 46.

Jabel Ring Manufacturing Co., Newark, N. J. Finger rings. 334,907; May 19; Serial No. 373,575; published Feb. 25, 1936. Class 28.

Jackson, John W., Palmetto, Fla. Medicinal preparation. 334,966; May 19; Serial No. 371,265; published Mar. 3, 1936. Class 6.

Jacobs Tailored Clothes, Inc., Philadelphia, Pa. Suits, overcoats, and topcoats. 335,029; May 19; Serial No. 367,762; published Oct. 22, 1935. Class 39.

Julian, D. C., Huntington Park, Calif. Dog and cat food. 335,080; May 19. Class 46.

Junior Guild Frocks, Inc., Chicago, Ill. Dresses, suits, gowns, etc. 334,862; May 19; Serial No. 369,278; published Mar. 3, 1936. Class 39.

K. B. Chocolate Company, doing business as Big Master Cocoa Company, Bay City, Mich. Cocoa, baking chocolate, marshmallow cream, etc. 335,018; May 19; Serial No. 347,183; published Mar. 10, 1936. Class 46.

Kaylon, Inc., New York, N. Y. Pajamas. 334,875; May 19; Serial No. 370,350; published Mar. 3, 1936. Class 39.

Kimball Corporation, doing business as Red Head Products, Inc., Cedar Rapids, Iowa. Toilet bowl cleaners. 334,995; May 19; Serial No. 360,478; published Mar. 3, 1936. Class 4.

King, Carl C., doing business as King Products Company, Van Wert, Ohio. Toothpowder. 335,039; May 19; Serial No. 374,051; published Mar. 10, 1936. Class 6.

Klein, L., Inc., Chicago, Ill. Household cleanser. 334,902; May 19; Serial No. 373,258; published Mar. 3, 1936. Class 4.

Korn Leather Company, Peabody, Mass. Leather. 334,948–9; May 19; Serial Nos. 372,840–1; published Mar. 3, 1936. Class 1.

Kwik Products Company, San Antonio, Tex. Automobile and furniture polish. 335,083; May 19. Class 16.

Langdon, L. J., doing business as Gulf Supply Company, Houston, Tex. Hose. 335,013; May 19; Serial No. 339,465; published Mar. 10, 1936. Class 35.

Larkwood Silk Hosiery Mills, Inc., Charlotte, N. C. Short stockings. 334,996; May 19; Serial No. 360,851; published Mar. 3, 1936. Class 39.

Lax-O-Jell Products Co. (See Wasserman, Martin S.)

Lees, James, & Sons Company, Bridgeport, Pa. Wool yarns. 335,004; May 19; Serial No. 373,691; published Mar. 3, 1936. Class 43.

Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Men's summer coats and trousers. 334,929; May 19; Serial No. 373,426; published Mar. 3, 1936. Class 39.

Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Suits, topcoats, and overcoats. 334,952; May 19; Serial No. 372,877; published Mar. 3, 1936. Class 39.

Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Men's topcoats. 335,071; May 19. Class 39.

Lockhart Wedding Ring Co., Inc., The, New York, N. Y. Finger rings and mountings therefor. 335,066; May 19; Serial No. 373,609; published Mar. 3, 1936. Class 28.

Los Angeles Brewing Co., Los Angeles, Calif. Beer. 335,081; May 19. Class 48.

Loseff, Samuel, doing business as Al-Ka-Gel Laboratories, Chicago, Ill. Medicinal powders, tablets, jellies, etc. 335,059; May 19; Serial No. 372,265; published Mar. 10, 1936. Class 6.

Loseff, Samuel, doing business as Al-Ka-Gel Laboratories, Chicago, Ill. Semi-liquid or cream jellies. 335,060; May 19; Serial No. 372,264; published Mar. 10, 1936. Class 6.

Luxuray, Inc., New York, N. Y. Underwear. 335,047; May 19; Serial No. 372,729; published Mar. 3, 1936. Class 39.

Mackintosh & Mackintosh Limited, Stirling and Glasgow, Scotland. Whisky. 334,878; May 19; Serial No. 370,418; published Mar. 10, 1936. Class 49.

Madeline's, Canton, Ohio. Permanent hair wave liquids, oils, and preparations. 334,870; May 19; Serial No. 368,607; published Mar. 3, 1936. Class 6.

Maison Joubert, Inc., New York, N. Y. Astringents, astringent cerates, bleach creams, etc. 335,026; May 19; Serial No. 366,479; published Mar. 3, 1936. Class 6.

Mallinckrodt, L. K., doing business as Malwood Manufacturing Co., Baltimore, Md. Toilet paper, paper towels, waxed paper, etc. 334,934; May 19; Serial No. 373,534; published Mar. 3, 1936. Class 37.

Malwood Manufacturing Co. (See Mallinckrodt, L. K.)

Martha Maid Manufacturing Company, Chicago, Ill. Women's garments and undergarments. 334,919; May 19; Serial No. 373,178; published Mar. 3, 1936. Class 39.

Maryland Distillers' Products Corporation, Baltimore, Md. Whiskey. 334,993; May 19; Serial No. 359,476; published Apr. 9, 1935. Class 49.

Master Metal Products, Inc., Buffalo, N. Y. Utility chests or boxes. 335,082; May 19. Class 2.

McKenzie, J. S., & Company, Inc., to J. S. McKenzie Company, Inc., New York, N. Y., successor. Canned sardines, herring in tomato sauce, kippered herring, etc. 109,324; renewed Mar. 28, 1936.

McKesson, Martha F., doing business as McKesson Appliance Co., Toledo, Ohio. Gas administering apparatus and parts thereof. 335,027; May 19; Serial No. 367,407; published Mar. 10, 1936. Class 44.

Medicone Company, Inc., New York, N. Y. General tonic stimulant. 334,932; May 19; Serial No. 373,497; published Mar. 3, 1936. Class 6.

Mele, S. Charles, doing business as Baby Talk Publishing Company, Brooklyn, N. Y. Publication. 334,916; May 19; Serial No. 373,106; published Mar. 3, 1936. Class 38.

Menendez Y Compañia, S. en C., Habana, Cuba. Cigars. 334,865; May 19; Serial No. 368,141; published Oct. 15, 1935. Class 17.

Meyer, Pitts & Co., assignor to Standard Distillers Products, Inc., Baltimore, Md. Whisky. 112,529; renewed Sept. 12, 1936.

Meyers-Seeman Co., Inc., Buffalo, N. Y. Men's coats, suits, and overcoats. 335,025; May 19; Serial No. 370,221; published Mar. 3, 1936. Class 39.

Michael, George, Washington, D. C. Preparation for the relief of stomach, liver, kidney, etc., disorders. 334,973; May 19; Serial No. 371,927; published Mar. 3, 1936. Class 6.

Mid-Continental Liquor Distributors, Inc. (See Hinrichs Distilled Products, assignor.)

Mintos Company. (See Muchemore, George S.)

Motor Fume Utilizer Corporation, Long Island City, N. Y. Solvent and cleaner. 334,897; May 19; Serial No. 373,314; published Mar. 10, 1936. Class 4.

Muchemore, George S., doing business as Mintos Company, Kansas City, Mo. Aspirin tablets. 334,889; May 19; Serial No. 373,886; published Mar. 10, 1936. Class 6.

N & W Overall Company, Inc., The, doing business as W. W. Couch Company, Lynchburg, Va. Overalls. 334,861; May 19; Serial No. 369,091; published Mar. 10, 1936. Class 39.

Nahigian, M. H., Inc., New York, N. Y. Sarouk rugs. 334,960; May 19; Serial No. 371,357; published Mar. 10, 1936. Class 42.

National Chicle Company, Cambridge, Mass. Chewing gum. 334,937; May 19; Serial No. 373,536; published Mar. 10, 1936. Class 46.

National Wholesale Liquor Co., Inc., Baltimore, Md. Whiskey. 334,990; May 19; Serial No. 357,881; published Dec. 18, 1934. Class 49.

Nature Friend Inc., The, New York, N. Y. Perches, trays, and other appliances for canary cages. 335,069; May 19. Class 13.

Noggon Company, The. (See Bender, Joseph C.)

Nussbaum Bros. (See Welch Grape Juice Company, The.)

Nutmaster Company. (See Beaumont, Howarth D.)

Oetker, Dr. August, Bielefeld, Germany. Candy, flour, spice for pastries, honey, etc. 335,000; May 19; Serial No. 363,940; published Mar. 10, 1936. Class 46.

Oil Well Supply Company, Dallas, Tex. Slush pump liners. 334,953; May 19; Serial No. 372,887; published Mar. 10, 1936. Class 23.

Old Dixie Distilling Company, Inc., Richmond, Va. Distilled whiskeys. 334,984; May 19; Serial No. 374,205; published Mar. 10, 1936. Class 49.

Old Dixie Distilling Company, Inc., Richmond, Va. Distilled whiskeys. 334,986; May 19; Serial No. 374,300; published Mar. 10, 1936. Class 49.

Old Spring Distilling Co., The, Cincinnati, Ohio. Whiskey. 334,911; May 19; Serial No. 373,969; published Mar. 10, 1936. Class 49.

Oneida Ltd., Sherrill and Oneida, N. Y., and Northampton, Mass. Silver plated tableware and silver plated cutlery. 334,905; May 19; Serial No. 373,225; published Feb. 25, 1936. Class 28.

Onore and Amorocchi, Weirton, W. Va. Medical preparation. 335,048; May 19; Serial No. 372,567; published Mar. 3, 1936. Class 6.

Ostby and Barton Company, Providence, R. I. Jewelry for personal wear or adornment. 334,957; May 19; Serial No. 372,919; published Mar. 3, 1936. Class 28.

Pacific Bedding Company Inc., Los Angeles, Calif. Mattresses and box springs. 334,888; May 19; Serial No. 373,889; published Mar. 10, 1936. Class 32.

Paramount Distilling Corp., Chicago, Ill. Whiskey and gin. 334,991; May 19; Serial No. 358,494; published June 4, 1935. Class 49.

Paramount Paper Products Co., Inc., Philadelphia, Pa. Waxed paper bags. 334,998; May 19; Serial No. 362,305; published Apr. 16, 1935. Class 2.

Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Board game. 334,987; May 19; Serial No. 374,380; published Mar. 10, 1936. Class 22.

Parker Pen Company, The, Janesville, Wis. Sheets of ferrous alloy steel for pen nibs. 334,918; May 19; Serial No. 373,156; published Mar. 3, 1936. Class 14.

Pascal, P., Inc., New York, N. Y. Coffee. 334,863; May 19; Serial No. 369,502; published Mar. 10, 1936. Class 46.

Peck & Peck, New York, N. Y. Dresses and blouses. 334,868; May 19; Serial No. 368,484; published Mar. 3, 1936. Class 39.

Pepper, Dr., Bottling Company, Inc., New Orleans, La. Maltless beverages. 335,058; May 19; Serial No. 372,285; published Mar. 10, 1936. Class 45.

Peters, Fredrick C., Goulds, Fla. Potatoes. 335,010; May 19; Serial No. 373,744; published Mar. 10, 1936. Class 46.

Pioneer Chemical & Manufacturing Company. (See Chandler, Edward C.)

Polk Company, The, Haines City, Fla. Canned fruits, vegetables, and fruit juices. 334,896; May 19; Serial No. 373,319; published Mar. 10, 1936. Class 46.

Powerbal Company, Los Angeles, Calif. Engine manifold fuel vaporizer. 334,959; May 19; Serial No. 373,840; published Mar. 10, 1936. Class 23.

Premier Steel Co., New York, N. Y. Steel and tool steel. 334,958; May 19; Serial No. 372,990; published Mar. 3, 1936. Class 14.

Prescription Laboratories Inc., Detroit, Mich. Medicine tablets for the relief of pain, colds, and the like. 335,014; May 19; Serial No. 343,006; published Mar. 10, 1936. Class 6.

Prince Matchabelli Perfumery, Inc., New York, N. Y. Perfumes, toilet waters, eau de cologne, etc. 334,867; May 19; Serial No. 368,352; published Mar. 3, 1936. Class 6.

Red Head Products, Inc. (See Kimball Corporation.)

Resynite Company, The. (See Colfanite Products Co.)

Richards, Dr., Association, Inc., doing business as Dr. Grant's Laboratories, Norwalk, Conn. Medicines for female complaints. 335,044; May 19; Serial No. 372,719; published Mar. 3, 1936. Class 6.

Riedel, Max, doing business as Vital Food Products Co., New York, N. Y. System cleanser. 334,930; May 19; Serial No. 373,429; published Mar. 3, 1936. Class 6.

Riverside Metal Company, The, Riverside, N. J. Non-ferrous metals and non-ferrous metal alloys. 335,063; May 19; Serial No. 373,647; published Mar. 3, 1936. Class 14.

Riviere, Jules V., Perfumes, Inc., New York, N. Y. Perfumes. 335,016; May 19; Serial No. 345,123; published Apr. 17, 1934. Class 6.

Riviere, Jules V., Perfumes, Inc., New York, N. Y. Perfumes. 335,038; May 19; Serial No. 345,124; published Apr. 17, 1934. Class 6.

Rombro Bros., Baltimore, Md. Work shirts. 334,880; May 19; Serial No. 373,751; published Mar. 10, 1936. Class 39.

Royce Chemical Company, Carlton Hill, N. J. Gums suitable for the printing of textile fabrics. 334,938; May 19; Serial No. 373,540; published Mar. 10, 1936. Class 6.

San Antonio Brewing Association, San Antonio, Tex. Beer, ale, and porter. 334,923; May 19; Serial No. 373,541; published Mar. 10, 1936. Class 48.

San Dimas Orange Growers Association, San Dimas, Calif. Oranges and grape-fruit. 112,069; renewed Aug. 22, 1936.

Santiago Orange Growers Association. (See Bradbury Estate Company, assignor.)

Schenker, Michel & Weinstock, Inc., Chicago, Ill. Women's coats. 334,904; May 19; Serial No. 373,232; published Mar. 10, 1936. Class 39.

Scherer, Robert P., doing business as Gelatin Products Company, Detroit, Mich. Carbon disulphide. 334,860; May 19; Serial No. 370,528; published Feb. 18, 1936. Class 6.

Schoenhofen, Peter, Brewing Company, The, assignor, by mesne assignments, to Schoenhofen Edelweiss Company, Chicago, Ill. Lager beer. 13,147–8; re-renewed Mar. 30, 1936.

Schrank, M. C., Company, Bridgeton, N. J. Slips. 334,869; May 19; Serial No. 368,582; published Oct. 15, 1935. Class 39.

Scovill Manufacturing Company, Waterbury, Conn. Pins for fastening papers or like materials together. 334,881; May 19; Serial No. 373,753; published Mar. 3, 1936. Class 37.

Sears, Roebuck and Co., Chicago, Ill. Electric and non-power sewing machines. 334,866; May 19; Serial No. 368,308; published Mar. 10, 1936. Class 23.

Sears, Roebuck and Co., Chicago, Ill. Heat regulators. 334,884; May 19; Serial No. 373,804; published Mar. 10, 1936. Class 26.

Sewal, Wong, doing business as Wing Lee Wai Company, San Francisco, Calif. Alcoholic beverage. 335,024; May 19; Serial No. 374,165; published Mar. 10, 1936. Class 49.

Shoenthal, Morris, Inc., New York, N. Y. Ribbons. 334,899; May 19; Serial No. 373,270; published Mar. 3, 1936. Class 42.

Shoenthal, Morris, Inc., New York, N. Y. Ribbons. 334,900; May 19; Serial No. 373,268; published Mar. 3, 1936. Class 42.

Signet Hosiery Company, Cambridge, Mass. Dresses. 334,920; May 19; Serial No. 373,188; published Mar. 3, 1936. Class 39.

Silver Swan Liquor Corporation, San Francisco, Calif. Whiskey. 335,040; May 19; Serial No. 374,096; published Mar. 10, 1936. Class 49.

Simpson Nursery Company, Monticello, Fla. Nut trees, scions, and grafts. 334,872; May 19; Serial No. 373,001; published Mar. 3, 1936. Class 1.

Sitroux Company, The, Inc., Brooklyn, N. Y. Bleached absorbent cheesecloth. 334,933; May 19; Serial No. 373,505; published Mar. 3, 1936. Class 42.

Skull Piston Ring Manufacturing Company, Los Angeles, Calif. Piston rings and parts thereof. 335,001; May 19; Serial No. 364,455; published Mar. 10, 1936. Class 35.

Slattery Bros. Tanning Co., Inc., Salem and Boston, Mass. Leather in the piece. 334,954; May 19; Serial No. 372,896; published Mar. 3, 1936. Class 1.

Slaymaker Lock Co., The, Lancaster, Pa. Locks. 335,070; May 19. Class 25.

Smith, Kline & French Laboratories, Philadelphia, Pa. Medicinal preparation. 334,950; May 19; Serial No. 372,861; published Mar. 3, 1936. Class 6.

Solis, Entrailgo y Compañia, Habana, Cuba. Perfumes, toilet waters, eye lotions, etc. 334,967; Mar. 19; Serial No. 371,283; published Mar. 3, 1936. Class 6.

Solis, Entrailgo y Compañia, Habana, Cuba. Perfumes, toilet waters, eye lotions, etc. 334,981–3; May 19; Serial Nos. 371,284–6; published Mar. 3, 1936. Class 6.

Soluol Corporation, Providence, R. I. Natural and synthetic gums, resins, and the like, and compounds thereof. 334,978; May 19; Serial No. 371,399; published Mar. 3, 1936. Class 6.

Squee-Wash Mfg. Co., Niles, Mich. Window washing and wiping devices. 335,011; May 19; Serial No. 364,892; published Sept. 17, 1935. Class 29.

Squibb, E. R., & Sons, New York, N. Y. Antiseptics and spermicides. 334,936; May 19; Serial No. 373,506; published Mar. 3, 1936. Class 6.

Standard Distillers Products, Inc. (See Meyer, Pitts & Co., assignor.)

Stanziale, Victor, doing business as Victor Supreme Metal Polish Co., West New York, N. J. Metal polish. 334,921; May 19; Serial No. 373,189; published Mar. 10, 1936. Class 4.

Statesville Flour Mills Company, Statesville, N. C. Wheat flour. 334,977; May 19; Serial No. 371,508; published Mar. 10, 1936. Class 46.

Straus, Finlay, Inc., New York, N. Y. Suits and overcoats. 335,053; May 19; Serial No. 372,468; published Mar. 3, 1936. Class 39.

Straus, Finlay, Inc., New York, N. Y. Diamonds and articles of jewelry set or mounted with diamonds. 335,054; May 19; Serial No. 372,467; published Mar. 3, 1936. Class 28.

Straus, Finlay, Inc., New York, N. Y. Suits and overcoats. 335,055; May 19; Serial No. 372,465; published Mar. 3, 1936. Class 39.

Tannin Corporation, The, New York, N. Y. Myrobalan extract. 335,005; May 19; Serial No. 373,707; published Mar. 3, 1936. Class 6.

Tasty Baking Company, Philadelphia, Pa. Puffed rice and wheat. 335,031; May 19; Serial No. 372,793; published Mar. 10, 1936. Class 46.

Ter-A-Pac Company, Buffalo, N. Y. Device for opening packages of cigarettes. 334,968; May 19; Serial No. 373,813; published Mar. 3, 1936. Class 8.

Tingue, Brown & Co., New York, N. Y. Printers' draw sheets. 334,879; May 19; Serial No. 370,482; published Mar. 3, 1936. Class 50.

Twitchell, S., Co., Philadelphia, Pa. Maltless beverages, and sirups and extracts for making same. 334,975; May 19; Serial No. 371,793; published Mar. 10, 1936. Class 45.

Underwood, Howard G., Portsmouth, Ohio. Series of motion picture films. 334,895; May 19; Serial No. 373,323; published Mar. 10, 1936. Class 26.

Union Manufacturing Co. (See Harris, Morris.)

Union Products Co., Inc., New Orleans, La. Beer. 334,955; May 19; Serial No. 372,897; published Mar. 10, 1936. Class 48.

United Chromium, Incorporated, New York, N. Y., and Waterbury, Conn. Humidors. 334,908; May 19; Serial No. 373,579; published Mar. 3, 1936. Class 8.

United Drug Company, assignor to United Drug Company, Boston, Mass. Candy. 112,236; renewed Aug. 22, 1936.

United Drug Company, assignor to United Drug Company, Boston, Mass. Cold-cream, perfume, complexion-powder, etc. 112,577; renewed Sept. 12, 1936.

Utility Laboratory, Inc., Brooklyn, N. Y. Boiler cleaner and steam conditioning preparation. 334,931; May 19; Serial No. 373,469; published Mar. 3, 1936. Class 6.

Valk, S. J., & Son, New York, N. Y. Olives, olive oil, and cherries. 334,962; May 19; Serial No. 370,638; published Mar. 10, 1936. Class 46.

Valvoline Oil Company, Cincinnati, Ohio, and New York, N. Y. Preparation for use as a hair tonic and hair dressing. 335,022; May 19; Serial No. 370,158; published Mar. 3, 1936. Class 6.

Venus Corporation, New York, N. Y. Sanitary belts. 334,964; May 19; Serial No. 371,123; published Mar. 10, 1936. Class 44.

Vick, Lawrence J., Jackson, Tenn. Pies. 334,898; May 19; Serial No. 373,275; published Mar. 10, 1936. Class 46.

Victor Supreme Metal Polish Co. (See Stanziale, Victor.)

Vital Food Products Co. (See Riedel, Max.)

Walsh, Michael J., San Diego, Calif. Calculators for diet analyzers. 334,873; May 19; Serial No. 373,058; published Mar. 10, 1936. Class 26.

Wasserman, Martin S., doing business as Lax-O-Jell Products Co., Yonkers, N. Y. Laxative preparation. 335,037; May 19; Serial No. 353,830; published Sept. 25, 1934. Class 6.

Wathuff Holding Company, Inc., Jersey City, N. J. Masks used in the medical profession. 334,864; May 19; Serial No. 368,089; published Mar. 10, 1936. Class 44.

Weideman Co., The, Cleveland, Ohio. Whiskey. 334,994; May 19; Serial No. 360,255; published Apr. 23, 1935. Class 49.

Weinberg Corporation, Chicago, Ill. Men's suits, overcoats, and topcoats. 334,891; May 19; Serial No. 373,854; published Mar. 10, 1936. Class 39.

Weinberg Corporation, Chicago, Ill. Men's suits, overcoats, and topcoats. 334,892; May 19; Serial No. 373,852; published Mar. 3, 1936. Class 39.

Weiner, Martin, doing business as Martin Weiner Co., New York, N. Y. Textile fabrics. 335,032; May 19; Serial No. 372,802; published Mar. 3, 1936. Class 42.

Welch Grape Juice Company, The, Westfield, N. Y., as assignee of Nussbaum Bros., Bainbridge, Ga., assignor to The Welch Grape Juice Company, Westfield, N. Y. Beverage and syrup for making the same. 112,798; renewed Sept. 26, 1936.

Western Research Corporation, Los Angeles, Calif. Chewing gum and candy containing a stimulant. 334,924; May 19; Serial No. 373,546; published Mar. 10, 1936. Class 6.

West's Products Co., Milwaukee, Wis. Bird seed. 334,906; May 19; Serial No. 370,484; published Mar. 3, 1936. Class 46.

Whitall Tatum Company, Millville, N. J., Philadelphia, Pa., and New York, N. Y., to Whitall Tatum Company, Millville, N. J., and New York, N. Y. Flasks and beaker-glasses. 112,737; renewed Sept. 19, 1936.

Whitbread and Company, Limited, London, England. Ale. 335,074; May 19. Class 48.

Willys-Overland Co., The, Toledo, Ohio. Automobiles, automobile trucks, trailers, etc. 109,243; renewed Mar. 28, 1936.

Wing Lee Wai Company. (See Sewal, Wong.)

Witzman, Olive C., Kansas City, Mo. Skin cream, tissue cream, face and hand lotion, etc. 334,935; May 19; Serial No. 373,509; published Mar. 3, 1936. Class 6.

Wolcott Distilling Company, Inc., Rochester, N. Y. Gin, whiskey, and brandy. 334,997; May 19; Serial No. 361,344; published Apr. 23, 1935. Class 49.

Wood Laboratories, Inc., Chicago, Ill. Preparation for use as a surgical dressing. 335,052; May 19; Serial No. 372,495; published Mar. 3, 1936. Class 6.

Wunder Tone Co. (See Wunderman, Felix.)

Wunderman, Felix, doing business as Wunder Tone Co., New York, N. Y. Vegetable tonic and laxative. 335,051; May 19; Serial No. 372,496; published Mar. 10, 1936. Class 6.

Zimet, Harry, doing business as Zimray, New York, N. Y. Ladies' and misses' coats. 335,057; May 19; Serial No. 372,296; published Mar. 3, 1936. Class 39.

Zimray. (See Zimet, Harry.)

LIST OF REGISTRANTS OF LABELS

Charak Furniture Company, Boston, Mass. Collector's Group. For Furniture. 47,482; May 19.

Florida Citrus Canners Cooperative, Lake Wales, Fla. Sunny Mist (Box End). For Canned Grapefruit. 47,483; May 19.

Kidder Oil Company, La Crosse, Wis. Joseph J. Kidder's Koatsal Perfects Lubrication. For a Preparation to Be Added to Oils and Greases for Perfecting Lubrication in Internal Combustion Engines. 47,484; May 19.

Larsen Company, The, Green Bay, Wis. Veg-All. For Canned Mixed Vegetables. 47,485; May 19.

Lipton, Thomas J., Inc., Hoboken, N. J., Chicago, Ill., and San Francisco, Calif. Lipton Eight One Cup-Individual Tea Bags (Yellow and Red). For Tea Bags. 47,486; May 19.

Lipton, Thomas J., Inc., Hoboken, N. J., Chicago, Ill., and San Francisco, Calif. Lipton's Orange Pekoe & Pekoe Tea (Yellow and Red). For Tea Balls. 47,487; May 19.

Pompeian Olive Oil Corporation, doing business as Scelta Olive Oil Company, Baltimore, Md. Avallo. For Imported Olive Oil. 47,488; May 19.

Roberts, F. H., Company, Cambridge, Mass. "Milk & Dark". For Chocolates. 47,489; May 19.

Scelta Olive Oil Company. (See Pompeian Olive Oil Corporation.)

Schindler, Charles E., Coldwater, Ohio. Mor-Lac. For Stock Tonic. 47,490; May 19.

LIST OF REGISTRANTS OF PRINTS

Kidder Oil Company, La Crosse, Wis. Joseph K. Kidder's Koatsal Makes Motors Run Faster, Smoother, Longer on Less Gas & Oil. For a Preparation to Be Added to Oils and Greases for Perfecting Lubrication in Internal Combustion Engines. 15,706; May 19.

New England Coke Company, Boston, Mass. New England Coke. For Automatic Heat Regulators. 15,707; May 19.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Leather. Korn Leather Company. 334,948–9; May 19; Serial Nos. 372,840–1; published Mar. 3, 1936.

Leather in the piece. Slattery Bros. Tanning Co. 334,954; May 19; Serial No. 372,896; published Mar. 3, 1936.

Trees, scions, and grafts, Nut. Simpson Nursery Company. 334,872; May 19; Serial No. 373,001; published Mar. 3, 1936.

CLASS 2

Bags, Waxed paper. Paramount Paper Products Co. 334,998; May 19; Serial No. 362,305; published Apr. 16, 1935.

Chests or boxes, Utility. Master Metal Products, Inc. 335,082; May 19.

CLASS 3

Handbags. Henry Amdur & Sons, Inc. 334,890; May 19; Serial No. 373,860; published Mar. 3, 1936.

Handbags. Enterprise Accessories, Inc. 335,030; May 19; Serial No. 372,764; published Mar. 3, 1936.
Hand bags, Ladies'. Nat. Greenbaum Bag Co. 335,065; May 19; Serial No. 373,637; published Mar. 3, 1936.

CLASS 4

Cleaners, Toilet bowl. Kimball Corporation. 334,995; May 19; Serial No. 360,478; published Mar. 3, 1936.
Cleanser, Household. L. Klein, Inc. 334,902; May 19; Serial No. 373,258; published Mar. 3, 1936.
Dishwashing compounds. E. C. Chandler. 334,909; May 19; Serial No. 373,592; published Mar. 3, 1936.
Polish, Metal. V. Stanziale. 334,921; May 19; Serial No. 373,189; published Mar. 10, 1936.
Solvent and cleaner. Motor Fume Utilizer Corporation. 334,897; May 19; Serial No. 373,314; published Mar. 10, 1936.

CLASS 6

Antiseptics and spermicides. E. R. Squibb & Sons. 334,936; May 19; Serial No. 373,506; published Mar. 3, 1936.
Artificial carbonated lithiated water. Gristede Bros. Inc. 334,885; May 19; Serial No. 369,999; published Feb. 25, 1936.
Aspirin tablets. G. S. Muchemore. 334,889; May 19; Serial No. 373,886; published Mar. 10, 1936.
Astringents, astringent cerates, bleach creams, etc. Maison Joubert, Inc. 335,026; May 19; Serial No. 366,479; published Mar. 3, 1936.
Bacteriological products. Digestive Ferments Co. 112,767; renewed Sept. 26, 1936.
Carbon disulphide. R. P. Scherer. 334,860; May 19; Serial No. 370,528; published Feb. 18, 1936.
Chemical powdered product for the de-odorization, etc., of gasoline, naphtha, and solvents. Fla-Tex Products Company. 335,021; May 19; Serial No. 368,773; published Mar. 3, 1936.
Chemical preparation for coating pliable sheets and solids. J. W. Geiger. 335,045; May 19; Serial No. 372,765; published Mar. 3, 1936.
Cleaner and steam conditioning preparation, Boiler. Utility Laboratory, Inc. 334,931; May 19; Serial No. 373,469; published Mar. 3, 1936.
Compound for restoring original color to grey hair. G. W. Gray. 334,922; May 19; Serial No. 373,214; published Mar. 3, 1936.
Cream, perfume, complexion-powder, etc., Cold. United Drug Company. 112,577; renewed Sept. 12, 1936.
Cream, tissue cream, face and hand lotion, etc., Skin. O. C. Witzman. 334,935; May 19; Serial No. 373,509; published Mar. 3, 1936.
Dyestuffs. American Aniline Products, Inc. 334,939–43; May 19; Serial Nos. 372,807–11; published Mar. 3, 1936.
Dyestuffs. American Aniline Products, Inc. 334,944; May 19; Serial No. 372,813; published Mar. 3, 1936.
Dyestuffs. American Aniline Products, Inc. 335,035; May 19; Serial No. 372,806; published Mar. 3, 1936.
Gum and candy containing a stimulant, Chewing. Western Research Corporation. 334,924; May 19; Serial No. 373,546; published Mar. 10, 1936.
Gums, resins, and the like, and compounds thereof, Natural and synthetic. Soluol Corporation. 334,978; May 19; Serial No. 371,399; published Mar. 3, 1936.
Gums suitable for the printing of textile fabrics. Royce Chemical Company. 334,938; May 19; Serial No. 373,540; published Mar. 10, 1936.
Hair wave liquids, oils, and preparations, Permanent. Madeline's. 334,870; May 19; Serial No. 368,607; published Mar. 3, 1936.
Jellies, Semi-liquid or cream. S. Loseff. 335,060; May 19; Serial No. 372,264; published Mar. 10, 1936.
Laxative. Brooklyn Scientific Products Co. 334,971; May 19; Serial No. 372,201; published Mar. 10, 1936.
Laxative preparation. M. S. Wasserman. 335,037; May 19; Serial No. 353,830; published Sept. 25, 1934.
Liniment. G. Clinton. 334,951; May 19; Serial No. 372,869; published Mar. 10, 1936.
Lithiated water, Artificial carbonated. Gristede Bros. Inc. 334,874; May 19; Serial No. 373,103; published Mar. 3, 1936.
Lotion, Face and hand. Better Drug Products, Inc. 335,033; May 19; Serial No. 372,803; published Mar. 3, 1936.
Medical preparation. Onore and Amorocchi. 335,048; May 19; Serial No. 372,567; published Mar. 3, 1936.
Medicinal powders, tablets, jellies, etc. S. Loseff. 335,059; May 19; Serial No. 372,265; published Mar. 10, 1936.
Medicinal preparation. C. Albers. 335,076; May 19.
Medicinal preparation. J. W. Jackson. 334,966; May 19; Serial No. 371,265; published Mar. 3, 1936.
Medicinal preparation. Smith, Kline & French Laboratories. 334,950; May 19; Serial No. 372,861; published Mar. 3, 1936.
Medicine. O. Hoffmann. 335,049; May 19; Serial No. 372,516; published Mar. 10, 1936.
Medicine tablets for the relief of pain, colds, and the like. Prescription Laboratories Inc. 335,014; May 19; Serial No. 343,006; published Mar. 10, 1936.
Medicines for female complaints. Dr. Richards Association, Inc. 335,044; May 19; Serial No. 372,719; published Mar. 3, 1936.
Myrobalan extract. Tannin Corporation. 335,005; May 19; Serial No. 373,707; published Mar. 3, 1936.
Perfumes. Jules V. Riviere Perfumes, Inc. 335,016; May 19; Serial No. 345,123; published Apr. 17, 1934.
Perfumes. Jules V. Riviere Perfumes, Inc. 335,088; May 19; Serial No. 345,124; published Apr. 17, 1934.
Perfumes, toilet water, skin lotions, etc. George W. Button Corporation. 334,992; May 19; Serial No. 358,718; published Feb. 12, 1935.
Perfumes, toilet waters, eau de cologne, etc. Prince Matchabelli Perfumery, Inc. 334,887; May 19; Serial No. 368,352; published Mar. 3, 1936.
Perfumes, toilet waters, eye lotions, etc. Solis, Entralgo y Compañia. 334,967; Mar. 19; Serial No. 371,283; published Mar. 3, 1936.
Perfumes, toilet waters, eye lotions, etc. Solis, Entralgo y Compañia. 334,981–3; May 19; Serial Nos. 371,284–6; published Mar. 3, 1936.
Preparation for the relief of stomach, liver, kidney, etc., disorders. G. Michael. 334,973; May 19; Serial No. 371,927; published Mar. 3, 1936.
Preparation for use as a hair tonic and hair dressing. Valvoline Oil Company. 335,022; May 19; Serial No. 370,158; published Mar. 3, 1936.
Preparation for use as a surgical dressing. Wood Laboratories, Inc. 335,052; May 19; Serial No. 372,495; published Mar. 3, 1936.
Shampoo. Avol Laboratories. 334,965; May 19; Serial No. 371,138; published Feb. 18, 1936.
System cleanser. M. Riedel. 334,930; May 19; Serial No. 373,429; published Mar. 3, 1936.
Tonic and laxative, Vegetable. F. Wunderman. 335,051; May 19; Serial No. 372,496; published Mar. 10, 1936.
Tonic stimulant, General. Medicone Company. 334,932; May 19; Serial No. 373,497; published Mar. 3, 1936.
Toothpowder. C. C. King. 335,039; May 19; Serial No. 374,051; published Mar. 10, 1936.
Wetting out agents. American Aniline Products, Inc. 335,034; May 19; Serial No. 372,804; published Mar. 3, 1936.

CLASS 8

Device for opening packages of cigarettes. Ter-A-Pac Company. 334,968; May 19; Serial No. 373,813; published Mar. 3, 1936.
Humidors. United Chromium, Incorporated. 334,908; May 19; Serial No. 373,579; published Mar. 3, 1936.

CLASS 13

Perches, trays, and other appliances for canary cages. Nature Friend Inc. 335,066; May 19.

CLASS 14

Metal, Sheet. W. A. Conway. 334,956; May 19; Serial No. 372,904; published Mar. 3, 1936.
Metals and non-ferrous metal alloys, Non-ferrous. Riverside Metal Company. 335,063; May 19; Serial No. 373,647; published Mar. 3, 1936.
Steel and tool steel. Premier Steel Co. 334,958; May 19; Serial No. 372,990; published Mar. 3, 1936.
Steel for pen nibs, Sheets of ferrous alloy. Parker Pen Company. 334,918; May 19; Serial No. 373,156; published Mar. 3, 1936.

CLASS 16

Paints and paint enamel, Ready mixed. Camel Lead Color & Chemical Products Mfg. Corp. 335,042; May 19; Serial No. 374,125; published Mar. 10, 1936.
Paints, varnishes, paint enamels, etc. Colfanite Products Co. 334,985; May 19; Serial No. 374,231; published Mar. 10, 1936.
Polish, Automobile and furniture. Kwik Products Company. 335,083; May 19.
Resins and solutions thereof for varnishes, etc. Carbogen Chemical Company. 334,972; May 19; Serial No. 371,960; published Mar. 10, 1936.
Varnish sealer and varnish finish. American Crayon Company. 334,893; May 19; Serial No. 373,350; published Mar. 10, 1936.
Waxes. Fuld Bros., Inc. 334,887; May 19; Serial No. 373,916; published Mar. 10, 1936.

CLASS 17

Cigars. Menendez y Compañia, S. en C. 334,865; May 19; Serial No. 368,141; published Oct. 15, 1935.

CLASS 19

Automobiles, automobile trucks, trailers, etc. Willys-Overland Co. 109,243; renewed Mar. 28, 1936.

CLASS 21

Motors and generators, dynamotors, etc., Starting. Eclipse Aviation Corporation. 335,020; May 19; Serial No. 348,321; published June 12, 1934.
Sockets for electric vacuum tubes. Cinch Manufacturing Corporation. 335,023; May 19; Serial No. 370,172; published Mar. 10, 1936.
Switch handles, electrical outlets, switch plates, etc., Electric. Arrow-Hart & Hegeman Electric Company. 335,050; May 19; Serial No. 372,501; published Mar. 3, 1936.

CLASS 22

Fishing tackle. R. J. Ederer Net & Twine Co. 334,989; May 19; Serial No. 374,458; published Mar. 10, 1936.
Game, Board. Parker Brothers, Inc. 334,987; May 19; Serial No. 374,380; published Mar. 10, 1936.
Game, Table board. C. M. Graves. 334,883; May 19; Serial No. 373,780; published Mar. 10, 1936.
Tennis rackets, squash rackets, badminton rackets, etc. Stephen J. Feron, Inc. 334,910; May 19; Serial No. 373,958; published Mar. 10, 1936.

CLASS 23

Engine manifold fuel vaporizer. Powerbal Company. 334,959; May 19; Serial No. 373,840; published Mar. 10, 1936.
Nut cracking appliances. H. D. Beaumont. 334,976; May 19; Serial No. 371,580; published Mar. 10, 1936.
Pump liners, Slush. Oil Well Supply Company. 334,953; May 19; Serial No. 372,887; published Mar. 10, 1936.
Sewing machines, Electric and non-power. Sears, Roebuck and Co. 334,866; May 19; Serial No. 368,308; published Mar. 10, 1936.
Wood-working and metal-working machines, tools, and apparatus. Duro Metal Products Company. 335,056; May 19; Serial No. 372,406; published Mar. 10, 1936.

CLASS 25

Locks. Slaymaker Lock Co. 335,070; May 19.

CLASS 26

Calculators for dirt analyzers. M. J. Walsh. 334,873; May 19; Serial No. 373,058; published Mar. 10, 1936.
Films, Series of motion picture. H. G. Underwood. 334,895; May 19; Serial No. 373,323; published Mar. 10, 1936.
Measuring, controlling, and regulating instruments, etc. Bailey Meter Company. 335,079; May 19.
Spectacles, telescope sights, field-glasses, etc. Degea Aktiengesellschaft (Auergesellschaft). 335,036; May 19; Serial No. 355,665; published Mar. 10, 1936.
Thermostatically controlled heat regulators. Sears, Roebuck and Co. 334,884; May 19; Serial No. 373,804; published Mar. 10, 1936.

CLASS 28

Badges, lapel buttons, finger rings, etc., Fraternity. Delta Theta Tau Fraternity. 334,917; May 19; Serial No. 373,130; published Feb. 25, 1936.
Diamonds and articles of jewelry set or mounted with diamonds. Finlay Straus, Inc. 335,054; May 19; Serial No. 372,407; published Mar. 3, 1936.
Jewelry for personal wear. Ostby and Barton Company. 334,957; May 19; Serial No. 372,919; published Mar. 3, 1936.
Rings and mountings therefor, Finger. Lockhart Wedding Ring Co. 335,066; May 19; Serial No. 373,609; published Mar. 3, 1936.
Rings, Finger. Jabel Ring Manufacturing Co. 334,907; May 19; Serial No. 373,575; published Feb. 25, 1936.
Tableware and silver plated cutlery, Silver plated. Oneida Ltd. 334,905; May 19; Serial No. 373,225; published Feb. 25, 1936.

CLASS 29

Window washing and wiping devices. Squee-Wash Mfg. Co. 335,011; May 19; Serial No. 364,892; published Sept. 17, 1935.

CLASS 31

Refrigerators and refrigerating units. Husemann-Ligonier Company. 335,075; May 19.

CLASS 32

Mattresses and box springs. Pacific Bedding Company Inc. 334,888; May 19; Serial No. 373,889; published Mar. 10, 1936.
Springs. Flexsteel Spring Corporation. 334,882; May 19; Serial No. 373,779; published Mar. 10, 1936.

CLASS 33

Flasks and beaker-glasses. Whitall Tatum Company. 112,737; renewed Sept. 19, 1936.

CLASS 34

Ranges, furnaces, and boilers. Armstrong Stove and Manufacturing Company. 335,077; May 19.

CLASS 35

Hose. L. J. Langdon. 335,013; May 19; Serial No. 339,465; published Mar. 10, 1936.
Piston rings and parts thereof. Skull Piston Ring Manufacturing Company. 335,001; May 19; Serial No. 364,455; published Mar. 10, 1936.
Tires, tubes, fan belts, etc. Associated Rubber Corporation. 334,963; May 19; Serial No. 370,821; published Mar. 10, 1936.

CLASS 36

Musical instruments, Fretted. Gretsch & Brenner, Inc. 334,903; May 19; Serial No. 373,256; published Mar. 10, 1936.

CLASS 37

Label books, Household. Eureka Specialty Printing Company. 334,877; May 19; Serial No. 370,410; published Mar. 3, 1936.
Paper, paper towels, waxed paper, etc., Toilet. L. K. Mallinckrodt. 334,934; May 19; Serial No. 373,534; published Mar. 3, 1936.
Paper, Wrapping. Berlin Mills Company. 112,158; renewed Aug. 22, 1936.
Paper, Wrapping. Fletcher Paper Company. 335,067–8; May 19; Serial Nos. 373,603–4; published Mar. 3, 1936.
Pins for fastening papers or like materials together. Scovill Manufacturing Company. 334,881; May 19; Serial No. 373,753; published Mar. 3, 1936.

CLASS 38

Periodical or trade paper, Monthly printed. Bill Brothers Publishing Corporation. 334,894; May 19; Serial No. 373,330; published Mar. 3, 1936.
Publication. H. Gernsback. 335,062; May 19; Serial No. 372,241; published Mar. 3, 1936.
Publication. S. Charles Mele. 334,916; May 19; Serial No. 373,106; published Mar. 3, 1936.

CLASS 39

Coats and trousers, Men's summer. Levy Bros. & Adler Rochester, Incorporated. 334,929; May 19; Serial No. 373,426; published Mar. 3, 1936.
Coats, Ladies' and misses'. H. Zimet. 335,057; May 19; Serial No. 372,296; published Mar. 3, 1936.
Coats, suits and overcoats, Men's. Meyers-Seeman Co. 335,025; May 19; Serial No. 370,221; published Mar. 3, 1936.
Coats, Women's. Schenker, Michel & Weinstock, Inc. 334,904; May 19; Serial No. 373,232; published Mar. 10, 1936.
Dresses. Signet Hosiery Company. 334,920; May 19; Serial No. 373,188; published Mar. 3, 1936.
Dresses and blouses. Peck & Peck. 334,868; May 19; Serial No. 368,484; published Mar. 3, 1936.
Dresses, suits, gowns, etc. Junior Guild Frocks, Inc. 334,862; May 19; Serial No. 369,278; published Mar. 3, 1936.
Garments and undergarments, Women's. Martha Maid Manufacturing Company. 334,919; May 19; Serial No. 373,178; published Mar. 3, 1936.
Knit goods. L. G. Griffith. 334,947; May 19; Serial No. 372,831; published Mar. 10, 1936.
Overalls. N & W Overall Company. 334,861; May 19; Serial No. 369,091; published Mar. 10, 1936.
Pajamas. Kaylon, Inc. 334,875; May 19; Serial No. 370,350; published Mar. 3, 1936.
Pajamas and underwear, Men's and boys'. Excelsior Underwear Company. 334,927; May 19; Serial No. 373,371; published Mar. 3, 1936.
Shirts, bathing suits and trunks, sweaters, etc., Polo. Frank Foreman, Inc. 334,928; May 19; Serial No. 373,412; published Mar. 10, 1936.
Shirts, blouses, polo shirts, and underwear. Adelphi Shirt Co. 335,006; May 19; Serial No. 373,713; published Mar. 10, 1936.
Shirts, Men's and boys' outer. Aetna Shirt Company. 335,073; May 19.
Shirts, Work. Rombro Bros. 334,880; May 19; Serial No. 373,751; published Mar. 10, 1936.
Slips. M. C. Schrank. 334,869; May 19; Serial No. 368,582; published Oct. 15, 1935.
Stockings, Short. Larkwood Silk Hosiery Mills, Inc. 334,936; May 19; Serial No. 360,851; published Mar. 3, 1936.
Suits and overcoats. Finlay Straus, Inc. 335,053; May 19; Serial No. 372,468; published Mar. 3, 1936.
Suits and overcoats. Finlay Straus, Inc. 335,055; May 19; Serial No. 372,465; published Mar. 3, 1936.
Suits, overcoats, and topcoats. Jacobs Tailored Clothes, Inc. 335,029; May 19; Serial No. 367,762; published Oct. 22, 1935.
Suits, overcoats, and top coats, Men's. Conn's Clothes Shop. 335,078; May 19.
Suits, overcoats, and topcoats, Men's. Weinberg Corporation. 334,891; May 19; Serial No. 373,854; published Mar. 10, 1936.
Suits, overcoats, and topcoats, Men's. Weinberg Corporation. 334,892; May 19; Serial No. 373,852; published Mar. 3, 1936.
Suits, topcoats, and overcoats. Levy Bros. & Adler Rochester, Incorporated. 334,952; May 19; Serial No. 372,877; published Mar. 3, 1936.
Sweater-coats, sweaters, cardigan jackets, etc. Highland Knitting Mills. 334,901; May 19; Serial No. 373,259; published Mar. 3, 1936.
Ties and scarfs. D. Gross. 335,003; May 19; Serial No. 364,700; published Sept. 24, 1935.
Topcoats, Men's. Levy Bros. & Adler Rochester, Incorporated. 335,071; May 19.
Trousers, breeches, overalls, and jackets. M. Harris. 335,061; May 19; Serial No. 372,245; published Mar. 10, 1936.
Underwear. Luxuray, Inc. 335,047; May 19; Serial No. 372,729; published Mar. 3, 1936.
Underwear and slips, Ladies'. Harwood Underwear Corporation. 334,886; May 19; Serial No. 363,960; published Oct. 29, 1935.

CLASS 42

Cheesecloth, Bleached absorbent. Sitroux Company. 334,933; May 19; Serial No. 373,505; published Mar. 3, 1936.
Cotton piece goods. Hettrick Manufacturing Company. 335,008–9; May 19; Serial Nos. 373,731–2; published Mar. 10, 1936.
Pile fabrics. Howlett & Hockmeyer Co. Inc. 335,046; May 19; Serial No. 372,754; published Mar. 10, 1936.
Ribbons. Morris Shoenthal, Inc. 334,899; May 19; Serial No. 373,270; published Mar. 3, 1936.
Ribbons. Morris Shoenthal, Inc. 334,900; May 19; Serial No. 373,268; published Mar. 3, 1936.
Rugs, Sarouk. M. H. Nahigian, Inc. 334,980; May 19; Serial No. 371,357; published Mar. 10, 1936.
Textile fabrics. M. Weiner. 335,032; May 19; Serial No. 372,802; published Mar. 3, 1936.

CLASS 43

Yarns, Wool. James Lees & Sons Company. 335,004; May 19; Serial No. 373,691; published Mar. 3, 1936.

CLASS 44

Gas administering apparatus and parts thereof. M. F. McKesson. 335,027; May 19; Serial No. 367,407; published Mar. 10, 1936.
Masks used in the medical profession. Wathuff Holding Company. 334,864; May 19; Serial No. 368,089; published Mar. 10, 1936.
Permanent wave pads, strings, and foil papers. A. Heathcote. 334,961; May 19; Serial No. 370,614; published Mar. 10, 1936.
Permanent waving machines, electric hair dryers, etc. American Machine and Metals Manufacturing Corporation. 334,876; May 19; Serial No. 370,376; published Mar. 10, 1936.
Sanitary belts. Venus Corporation. 334,964; May 19; Serial No. 371,123; published Mar. 10, 1936.
Teething rings, pacifiers, and nipples. J. Cohn. 334,946; May 19; Serial No. 372,823; published Mar. 10, 1936.

CLASS 45

Beverage and syrup for making the same. Welch Grape Juice Company. 112,798; renewed Sept. 26, 1936.
Beverages, and sirups and extracts for making same, Maltless. S. Twitchell Co. 334,975; May 19; Serial No. 371,793; published Mar. 10, 1936.
Beverages, Maltless. Dr. Pepper Bottling Company. 335,058; May 19; Serial No. 372,285; published Mar. 10, 1936.
Water, Natural mineral. Buffalo Mineral Springs Corporation. 335,007; May 19; Serial No. 373,721; published Mar. 10, 1936.

CLASS 46

Bacon, ham, peanut butter, etc. Beech-Nut Packing Company. 334,925; May 19; Serial No. 373,553; published Mar. 10, 1936.
Candy. United Drug Company. 112,236; renewed Aug. 22, 1936.
Candy, flour, spice for pastries, honey, etc. Dr. A. Oetker. 335,000; May 19; Serial No. 363,940; published Mar. 10, 1936.
Canned fruit juices. F. J. Durfee, Jr. 334,871; May 19; Serial No. 368,608; published Mar. 10, 1936.
Canned fruits. Hunt Brothers Company. 112,283; renewed Aug. 29, 1936.
Canned fruits, vegetables, and fruit juices. Polk Company. 334,896; May 19; Serial No. 373,319; published Mar. 10, 1936.
Canned salmon. Booth Fisheries Company. 110,065; renewed May 2, 1936.
Canned salmon, canned lobster, canned sardines, etc. Booth Fisheries Company. 110,393; renewed May 23, 1936.
Canned salmon, clams, oysters, etc. Franklin MacVeagh and Company. 335,015; May 19; Serial No. 344,587; published Mar. 10, 1936.
Canned sardines, herring in tomato sauce, kippered herring, etc. J. S. McKenzie & Company. 109,324; renewed Mar. 28, 1936.
Canned vegetables. A. M. Beebe. 334,999; May 19; Serial No. 363,794; published Mar. 10, 1936.
Celery, Fresh. Chula Vista Vegetable Exchange. 335,064; May 19; Serial No. 373,596; published Mar. 10, 1936.
Cocoa, baking chocolate, marshmallow cream, etc. K. B. Chocolate Company. 335,018; May 19; Serial No. 347,183; published Mar. 10, 1936.
Coffee. Euclid Coffee Co. 335,072; May 19.
Coffee. Grand Union Company. 334,974; May 19; Serial No. 371,919; published Mar. 3, 1936.
Coffee. P. Pascal, Inc. 334,863; May 19; Serial No. 369,502; published Mar. 10, 1936.
Coffee, wheat flour, cornmeal, etc. General Stores, Incorporated. 335,028; May 19; Serial No. 367,501; published Mar. 10, 1936.
Cream fondant. Burgess Supply Co. 109,444; renewed Apr. 11, 1936.
Emulsion of egg yolk, spirituous liquor, and other ingredients. J. C. Bender. 334,970; May 19; Serial No. 373,666; published Mar. 10, 1936.
Fish, Salt cod. Collins, Lee Company. 335,002; May 19; Serial No. 364,712; published Mar. 10, 1936.
Flour, Wheat. Statesville Flour Mills Company. 334,977; May 19; Serial No. 371,508; published Mar. 10, 1936.
Food, Dog and cat. D. C. Julian. 335,060; May 19.
Fruit, Fresh citrus. L. V. W. Brown Estate. 334,979; May 19; Serial No. 371,382; published Mar. 10, 1936.
Fruits, Fresh citrus. Indian River Associates, Inc. 334,960; May 19; Serial No. 373,828; published Mar. 10, 1936.
Gum, Chewing. National Chicle Company. 334,937; May 19; Serial No. 373,536; published Mar. 10, 1936.
Olives, olive oil, and cherries. S. J. Valk & Son. 334,962; May 19; Serial No. 370,638; published Mar. 10, 1936.
Oranges and grape-fruit. Sam Dimas Orange Growers Association. 112,069; renewed Aug. 22, 1936.
Oranges and lemons. Bradbury Estate Company. 111,924; renewed Aug. 15, 1936.
Pies. L. J. Vick. 334,898; May 19; Serial No. 373,275; published Mar. 10, 1936.
Potatoes. F. C. Peters. 335,010; May 19; Serial No. 373,744; published Mar. 10, 1936.
Rice and wheat, Puffed. Tasty Baking Company. 335,031; May 19; Serial No. 372,793; published Mar. 10, 1936.
Seed, Bird. West's Products Co. 334,906; May 19; Serial No. 370,484; published Mar. 3, 1936.

CLASS 47

Wines. K. Arakelian, Inc. 335,019; May 19; Serial No. 348,157; published May 1, 1934.

CLASS 48

Ale. Whitbread and Company. 335,074; May 19.
Beer. Cliffside Brewing Company. 334,988; May 19; Serial No. 374,455; published Mar. 10, 1936.
Beer. Frank Fehr Brewing Co. 334,969; May 19; Serial No. 373,682; published Mar. 10, 1936.
Beer. Los Angeles Brewing Co. 335,081; May 19.
Beer. Union Products Co. 334,955; May 19; Serial No. 372,897; published Mar. 10, 1936.
Beer, ale, and porter. Class & Nachod Brewing Company. 334,926; May 19; Serial No. 373,361; published Mar. 10, 1936.
Beer, ale, and porter. San Antonio Brewing Association. 334,923; May 19; Serial No. 373,541; published Mar. 10, 1936.
Beer, Lager. Peter Schoenhofen Brewing Company. 12,147–8; re-renewed Mar. 30, 1936.
Malt beverage. Buckeye Brewing Company. 335,012; May 19; Serial No. 337,729; published July 11, 1933.

CLASS 49

Alcohol Beverage. W. Sewal. 335,024; May 19; Serial No. 374,165; published Mar. 10, 1936.
Brandy. K. Arakelian, Inc. 334,913; May 19; Serial No. 373,989; published Mar. 10, 1936.
Brandy. Joseph Beck Sons, Inc. 335,017; May 19; Serial No. 346,729; published Mar. 13, 1934.
Gin, whiskey and brandy. Wolcott Distilling Company. 334,997; May 19; Serial No. 361,344; published Apr. 23, 1935.
Liqueur. Arrow Distilleries, Inc. 334,945; May 19; Serial No. 372,818; published Mar. 10, 1936.
Whiskey. Clark's, Inc. 335,041; May 19; Serial No. 374,113; published Mar. 10, 1936.
Whiskey. D & B Products Corporation. 334,915; May 19; Serial No. 374,043; published Mar. 10, 1936.
Whiskey. Delaware Importers, Inc. 334,912; May 19; Serial No. 373,986; published Mar. 10, 1936.
Whiskey. Maryland Distillers' Products Corporation. 334,993; May 19; Serial No. 359,476; published Apr. 9, 1935.
Whiskey. National Wholesale Liquor Co. 334,990; May 19; Serial No. 357,881; published Dec. 18, 1934.
Whiskey. Old Spring Distilling Co. 334,911; May 19; Serial No. 373,969; published Mar. 10, 1936.
Whiskey. Silver Swan Liquor Corporation. 335,040; May 19; Serial No. 374,096; published Mar. 10, 1936.
Whiskey. Weideman Co. 334,994; May 19; Serial No. 360,255; published Apr. 23, 1935.
Whiskey and gin. Paramount Distilling Corp. 334,991; May 19; Serial No. 358,494; published June 4, 1935.
Whiskey, gin, rum, etc. Hinrichs Distilled Products. 334,914; May 19; Serial No. 374,004; published Mar. 10, 1936.
Whiskeys. Distilled. Old Dixie Distilling Company. 334,984; May 19; Serial No. 374,205; published Mar. 10, 1936.
Whiskeys. Distilled. Old Dixie Distilling Company. 334,986; May 19; Serial No. 374,300; published Mar. 10, 1936.
Whisky. Mackintosh & Mackintosh Limited. 334,878; May 19; Serial No. 370,418; published Mar. 10, 1936.
Whisky. Meyer, Pitts & Co. 112,529; renewed Sept. 12, 1936.

CLASS 50

Liner discs for closures. Crown Cork & Seal Company. 335,043; May 19; Serial No. 372,763; published Mar. 3, 1936.
Printers' draw sheets. Tingue, Brown & Co. 334,879; May 19; Serial No. 370,482; published Mar. 3, 1936.

LIST OF LABELS

Avallo. For Imported Olive Oil. Pompeian Olive Oil Corporation. 47,488; May 19.
Collector's Group. For Furniture. Charak Furniture Company. 47,482; May 19.
Joseph J. Kidder's Koatsal Perfects Lubrication. For a Preparation to Be Added to Oils and Greases for Perfecting Lubrication in Internal Combustion Engines. Kidder Oil Company. 47,484; May 19.
Lipton Eight One Cup-Individual Tea Bags (Yellow and Red). For Tea Bags. Thomas J. Lipton, Inc. 47,486; May 19.
Lipton's Orange Pekoe & Pekoe Tea (Yellow and Red). For Tea Balls. Thomas J. Lipton, Inc. 47,487; May 19.
"Milk & Dark". For Chocolates. F. H. Roberts Company. 47,489; May 19.
Mor-Lac. For Stock Tonic. C. E. Schindler. 47,490; May 19.
Sunny Mist (Box End). For Canned Grapefruit. Florida Citrus Canners Cooperative. 47,483; May 19.
Veg-All. For Canned Mixed Vegetables. Larsen Company. 47,485; May 19.

LIST OF PRINTS

Joseph K. Kidder's Koatsal, Makes Motors Run Faster, Smoother, Longer on Less Gas & Oil. For a Preparation to Be Added to Oils and Greases for Perfecting Lubrication in Internal Combustion Engines. Kidder Oil Company. 15,706; May 19.
New England Coke. For Automatic Heat Regulators. New England Coke Company. 15,707; May 19.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 19TH DAY OF MAY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

American Tri-Ergon Corporation. (See Massolle, J., Vogt, and Engl, assignors.)
Chadwick, William H., Chicago, Ill. Publicity apparatus. 19,976; May 19.
Cushman, Everett B., assignor to Food Machinery Corporation, San Jose, Calif. Curing hay. 19,971; May 19.
Engl, Josef. (See Massolle, J., Vogt and Engl.)
Evans, Ralph L., assignor to Zotos Corporation, New York, N. Y. Hair waving pad. 19,972; May 19.
Food Machinery Corporation. (See Cushman, Everett B., assignor.)
Forman, Harold L., Kitchawan, N. Y. Refrigerating apparatus and process. 19,973; May 19.
Massolle, Joseph, Gros-Glienicke, near Cladow, Berlin, H. Vogt, Berlin-Dahlem, and J. Engl, Berlin Schmargendorf, Germany, assignors, by mesne assignments, to American Tri-Ergon Corporation, N. Y. Electron tube. 19,974; May 19.
Pressed Steel Company Limited. (See Swallow, William, assignor.)
Swallow, William, Headington, Oxford, England, assignor to Pressed Steel Company, Limited, Cowley, Oxford, England. Vehicle. 19,975; May 19.
Vogt, Hans. (See Massolle, J., Vogt, and Engl.)
Zotos Corporation. (See Evans, Ralph L., assignor.)

LIST OF DESIGN PATENTEES

Anderson, Oscar M., assignor to Landers, Frary & Clark, New Britain, Conn. Table cooker. 99,668; May 19.
Atwood, James T., Rockford, Ill. Hinge. 99,756; May 19.
Babcock, Denison, New York, N. Y. Coin container. 99,693; May 19.
Ball Brothers Company. (See Mackelfresh, William E., Jr., assignor.)
Barbagallo, Nancy, New York, N. Y. Apron or similar article. 99,694; May 19.
Berman, Israel, Little Falls, N. Y. Slipper. 99,695; May 19.
Berman, Israel, Little Falls, N. Y. Slipper. 99,696; May 19.
Brennan, Patrick J., assignor to Edw. Fox Baking Co., Inc., York, Pa. Roll or similar article. 99,669; May 19.
Brennan, Patrick J., assignor to Edw. Fox Baking Co., Inc., York, Pa. Roll or similar article. 99,670; May 19.
Brennan, Patrick J., assignor to Edw. Fox Baking Co., Inc., York, Pa. Roll or similar article. 99,671; May 19.
Brennan, Patrick J., assignor to Edw. Fox Baking Co., Inc., York, Pa. Roll or similar article. 99,697; May 19.
Brieff, Adolph, New York, N. Y. Wrap. 99,698; May 19.
Brisbane, Eugene C., assignor to S. Morgan Smith Company, York, Pa. Plug valve body. 99,699; May 19.
Calderazzo, Dominick J., Brooklyn, N. Y. Heel. 99,700; May 19.
Calderazzo, Dominick J., Brooklyn, N. Y. Heel. 99,701; May 19.
Carter, Leslie F., Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Aircraft level indicating device. 99,702; May 19.
Clark, Lawrence J., Lakewood, assignor to The Dickey-Grabler Company, Cleveland, Ohio. Burial case handle. 99,703; May 19.
Clark, Lawrence J., Lakewood, assignor to The Dickey-Grabler Company, Cleveland, Ohio. Burial case handle. 99,704; May 19.
Clark, Lawrence J., Lakewood, assignor to The Dickey-Grabler Company, Cleveland, Ohio. Burial case handle. 99,705; May 19.
Cohen, Eli A., Swampscott, Mass. Shoe. 99,706; May 19.
Continental Scale Works. (See Vanderhoff, R. E., and Weber, assignors.)
Crumrine, Chester W., assignor to Eastman Kodak Company, Rochester, N. Y. Camera. 99,672; May 19.
Dallas, Ronald H., Southgate, assignor to Glass containers, Inc., Los Angeles, Calif. Bottle. 99,757; May 19.
Daniels, Claude H., Wellesley Hills, Mass. Shoe. 99,707; May 19.
Dauman, Samuel S., New York, N. Y. Lighting fixture globe. 99,742; May 19.
Delta Electric Company. (See Wiley, Lee M., assignor.)
De Vall, Guy B., New York, N. Y. Building. 99,708; May 19.
Dickey-Grabler Company, The. (See Clark, Lawrence J., assignor.)
Dickey-Grabler Company, The. (See Jamieson, John, assignor.)
Dunn, John C., Port Jervis, and M. Klein, Brooklyn, assignors to Gillinder Brothers, Inc., Port Jervis, N. Y. Globe for lighting fixtures. 99,743; May 19.
Durgin, Edgar R., assignor to New Jersey Optical Co., Newark, N. J. Center bridge for eyeglasses. 99,673; May 19.
E. A. Laboratories, Inc. (See Meyerhoefer, Carl E., assignor.)
Eastman Kodak Company. (See Crumrine, Chester W., assignor.)
Eastman Kodak Company. (See Fritts, E. C., and Teague, assignors.)
Electrolux Corporation. (See Lofgren, Gustaf E., assignor.)
Emmey, Charles, New York, N. Y. Decorative alphabet for forming monograms for wearing apparel or similar article. 99,674; May 19.
Emmey, Charles, New York, N. Y. Table covering or similar article. 99,767; May 19.
Engelberg, Joseph, New York, N. Y. Sweater. 99,709; May 19.
Fox, Edw., Baking Co. (See Brennan, Patrick J., assignor.)
Fritts, Edwin C., Rochester, and W. D. Teague, New York, assignors to Eastman Kodak Company, Rochester, N. Y. Projector-casing. 99,675; May 19.
Funfrock, John G., Morgantown, W. Va. Glass goblet. 99,744; May 19.
Garbell, Max, assignor to Victor Adding Machine Company, Chicago, Ill. Cash register. 99,745; May 19.
Gast, George A., assignor to R. T. Moloney, Chicago, Ill. Cabinet for coin operated simulated race game. 99,746; May 19.
General Fireproofing Company, The. (See Powell, Dwight, assignor.)
Gillinder Brothers, Inc. (See Dunn, J. C., and Klein.)
Glass Containers, Inc. (See Dallas, Ronald H., assignor.)
Goldberg, Leon, New York, N. Y. Slipper. 99,710; May 19.
Green, Frank W., Framingham, Mass., assignor to Warren Telechron Company. Clock case. 99,711; May 19.
Greth, August, Los Angeles, Calif. Dilator or similar article. 99,747; May 19.
Grison, Joseph, New York, N. Y. Combined fire detector, alarm, and extinguisher. 99,712; May 19.
Gulbransen Company. (See Van Dommelen, Peter, assignor.)
Haase, Henry, Detroit, Mich. Christmas tree light holder. 99,713; May 19.
Helm, Jack C., Oakland, Calif. Keyhole illuminator. 99,748; May 19.
Hettrick Manufacturing Company, The. (See Smith, Milton B., assignor.)
Hill, F. H., Company. (See Scholl, Harry S.)
Hirsh, Martha, South Orange, N. J. Belt. 99,714; May 19.
Houghton, Lyle S., assignor to Penn Electric Switch Co., Des Moines, Iowa. Casing for thermostats or similar articles. 99,758; May 19.
Irwin, David K., Short Hills, N. J., assignor to Morgantown Glass Works, Morgantown, W. Va. Glass goblet. 99,676; May 19.
Jamieson, John, Garfield Heights, assignor to The Dickey-Grabler Company, Cleveland, Ohio. Burial case handle. 99,715; May 19.
Johnson, Gustaf A., and M. A. Lopes, Manteca, Calif. Display stand. 99,677; May 19.
Katchamakoff, Sasha, Los Angeles, Calif. Cup or similar article. 99,759; May 19.
Keil, Gustav B., St. Joseph, Mich., assignor to Nineteen Hundred Corporation, Binghamton, N. Y. Combination washing machine casing and wringer. 99,749; May 19.
Klein, Max. (See Dunn, J. C., and Klein.)
Kornfeld, Morton D., New York, N. Y. Textile fabric. 99,716; May 19.

Kornfeld, Morton D., New York, N. Y. Textile fabric. 99,765; May 19.
Kowal, Jack, New York, N. Y. Covered button. 99,760; May 19.
Landaw, Oak, Nappanee, Ind. Kitchen case. 99,717; May 19.
Landers, Frary & Clark. (See Anderson, Oscar M., assignor.)
Lieberman, Irving, New York, N. Y. Nightgown. 99,718; May 19.
Lofgren, Gustaf E., Riverside, Conn., assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner nozzle. 99,719; May 19.
Lopes, Manual A. (See Johnson, G. A., and Lopes.)
Mackelfresh, William E., Jr., Chicago, Ill., assignor to Ball Brothers Company, Muncie, Ind. Glass bottle. 99,750; May 19.
McCandlish, Edward, Ypsilanti, Mich. Toy. 99,720; May 19.
McDougal, Clair, Saginaw, Mich. Font of display letters and figures. 99,721; May 19.
Meyerhoefer, Carl E., New York, assignor to E. A. Laboratories, Inc., Brooklyn, N. Y. Automobile heater or the like. 99,722; May 19.
Moloney, Raymond T. (See Gast, George A., assignor.)
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Gasoline operated flatiron and tank therefor. 99,751; May 19.
Morgantown Glass Works. (See Irwin, David K., assignor.)
New Jersey Optical Co. (See Durgin, Edgar R., assignor.)
Nineteen Hundred Corporation. (See Keil, Gustav B., assignor.)
Osuch, Francis J., assignor to Robot-Hand Corporation, Detroit, Mich. Storage cabinet. 99,678; May 19.
Osuch, Francis J., assignor to Robot-Hand Corporation, Detroit, Mich. Combination kitchen cabinet, refrigerator, and sink. 99,679; May 19.
Osuch, Francis J., assignor to Robot-Hand Corporation, Detroit, Mich. Combination juice extractor and food mixer. 99,752; May 19.
Park, Malcolm S., Mount Kisco, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Vacuum cleaner casing. 99,723; May 19.
Penn Electric Switch Co. (See Houghton, Lyle S., assignor.)
Perkins, George H., Wellesley, Mass., assignor to Powdrell & Alexander, Inc., Danielson, Conn. Textile fabric. 99,680; May 19.
Perkins, George H., Wellesley, Mass., assignor to Powdrell & Alexander, Inc., Danielson, Conn. Textile fabric. 99,761; May 19.
Perkins, George H., Wellesley, Mass., assignor to Powdrell & Alexander, Inc., Danielson, Conn. Textile fabric. 99,762; May 19.
Persky, Joseph, New York, N. Y. Knitted textile fabric. 99,724; May 19.
Powdrell & Alexander, Inc. (See Perkins, George H., assignor.)
Powell, Dwight, assignor to The General Fireproofing Company, Youngstown, Ohio. Chair. 99,725; May 19.
Powell, Dwight, assignor to The General Fireproofing Company, Youngstown, Ohio. Table. 99,726; May 19.
Powell, Dwight, assignor to The General Fireproofing Company, Youngstown, Ohio. Swivel chair. 99,727; May 19.
Powell, Dwight, assignor to The General Fireproofing Company, Youngstown, Ohio. Chair. 99,728; May 19.
Ridewood, Harold E., Victoria, British Columbia, Canada. Combined cigarette holder, ashtray, and extinguisher. 99,753; May 19.
Robinson, Joseph, New York, N. Y. Combined container cup and sleeve for electrical vaporizer. 99,729; May 19.
Robot-Hand Corporation. (See Osuch, Francis J., assignor.)
Ross, Maurice W., Niles Center, and E. D. Tillson, Evanston, Ill. Lighting fixture. 99,754; May 19.
Salter, Vaughn T., Ferndale, assignor to Traub Manufacturing Company, Detroit, Mich. Wedding ring. 99,681; May 19.
Sansby, Joseph M., St. Paul, Minn. Bottle. 99,763; May 19.
Scholl, Harry S., assignor to F. H. Hill Company, Inc., Cleveland, Ohio. Casket. 99,730; May 19.
Scurlock, Lewis H., Chicago, Ill. Food container. 99,682; May 19.
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Simister, Louis W., Astoria, N. Y. Shoe. 99,731; May 19.
Simmons Company. (See Travis, Don Carlos, assignors.)
Singer, Jack, Brooklyn, N. Y. Cigarette box buckle. 99,683; May 19.
Singer Manufacturing Company, The. (See Park, Malcolm S., assignor.)
Singerman, Max E., New York, N. Y. Textile fabric. 99,684; May 19.
Slaymaker Lock Co. (See Slaymaker, Samuel C., assignor.)
Slaymaker, Samuel C., assignor to The Slaymaker Lock Co., Lancaster, Pa. Padlock. 99,732; May 19.
Smith, Milton B., Perrysburg, assignor to The Hetrick Manufacturing Company, Toledo, Ohio. Canopy glider. 99,733; May 19.
Smith, S. Morgan, Company. (See Brisbane, Eugene C., assignor.)
Sperry Gyroscope Co. (See Carter, Leslie F.)
Stoll, Charles, Brooklyn, N. Y. Settee or similar article. 99,685; May 19.
Teague, Walter D. (See Fritts, E. C., and Teague.)
Tillson, Edwin D. (See Ross, M. W., and Tillson.)
Tomlinson, Guy A., assignor to Traub Manufacturing Company, Detroit, Mich. Wedding ring. 99,686; May 19.
Tomlinson, Guy A., assignor to Traub Manufacturing Company, Detroit, Mich. Wedding ring. 99,687; May 19.
Tomlinson, Guy A., assignor to Traub Manufacturing Company, Detroit, Mich. Wedding ring. 99,688; May 19.
Tomlinson, Guy A., assignor to Traub Manufacturing Company, Detroit, Mich. Wedding ring. 99,734; May 19.
Tomlinson, Guy A., assignor to Traub Manufacturing Company, Detroit, Mich. Wedding ring. 99,735; May 19.
Traub Manufacturing Company. (See Salter, Vaughn T., assignor.)
Traub Manufacturing Company. (See Tomlinson, Guy A., assignor.)
Travis, Don Carlos, Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Bedspring. 99,736; May 19.
Trompeter, David, New York, N. Y. Bottle. 99,764; May 19.
Uxbridge Worsted Company. (See White, Arthur, assignor.)
Vanderhoff, Russell E., and M. J. Weber, assignors to Continental Scale Works, Chicago, Ill. Weighing scale. 99,737; May 19.
Vanderhoff, Russell E., and M. J. Weber, assignors to Continental Scale Works, Chicago, Ill. Weighing scale. 99,738; May 19.
Van Dommelen, Peter, Holland, Mich., assignor to Gulbransen Company, Chicago, Ill. Piano case. 99,689; May 19.
Van Dommelen, Peter, Holland, Mich., assignor to Gulbransen Company, Chicago, Ill. Piano case. 99,739; May 19.
Victor Adding Machine Company. (See Garbell, Max, assignor.)
Wagner, Edward F., Philadelphia, Pa. Tailless monoplane with longitudinal side wings. 99,740; May 19.
Warren Telechron Company. (See Green, Frank W., assignor.)
Webber, Archie L., Springfield, Mass. Game board or the like. 99,741; May 19.
Weber, Mathias J. (See Vanderhoff, R. E., and Weber.)
Wharton, Thomas E., Fairfield, Conn. Display case. 99,690; May 19.
White, Arthur, assignor to Uxbridge Worsted Company, Inc., Uxbridge, Mass. Textile fabric. 99,691; May 19.
Wilde, Hans W., North Bergen, N. J. Textile fabric. 99,692; May 19.
Wilde, Hans W., North Bergen, N. J. Textile fabric. 99,766; May 19.
Wiley, Lee M., assignor to Delta Electric Company, Marion, Ind. Lamp. 99,755; May 19.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 19TH DAY OF MAY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abernethy, Harry D., Lakewood, Ohio. Railway track circuit apparatus. 2,040,969; May 19.
Abraham, Leonard G., Madison, and D. Mitchell, Bound Brook, N. J., assignors to American Telephone and Telegraph Company, Telephone transmission circuit. 2,040,970; May 19.
Activated Sludge Incorporated. (See Jones, E. R., Denton, and Coombs, assignors.)
Acushnet Process Company. (See Young, Philip E., assignor.)
Adams, Carl B., Oak, Calif. Fuel tank cap lock. 2,041,887; May 19.
Adams, Earl E., East Helena, Mont. Automatic heating plant for solid fuel consumption. 2,041,449; May 19.
Adams, Herbert L., Washington, D. C. Safety fuel tank. 2,041,450; May 19.
Addressograph Company. (See Hartley, Emmett C., assignor.)
Adler, Martha, Carlsbad, Czechoslovakia. Purification of waters. 2,041,584; May 19.
Air Reduction Company. (See Anderson, James L., assignor.)
Alco Products Incorporated. (See Forbes, James B., assignor.)
Aldridge, Blair G., Los Angeles, and B. Hopper, Compton, assignors to Union Oil Company of California, Los Angeles, Calif. Treating oil. 2,041,278; May 19.
All American Slide Corporation. (See Gertz, Samuel M., assignor.)
Allan, Benjamin W., Baltimore, Md. Production of titanium dioxide. 2,040,828; May 19.
Allen, Russell G., Alton, Ill., assignor to Owens-Illinois Glass Company. Glassware forming machine. 2,041,671; May 19.
Alling, E. Roy, Kenmore, N. Y. Unloader for washed cans and covers. 2,041,451; May 19.
Altgelt, Rudolph J., South Bend, Ind., assignor to Oliver Farm Equipment Company. Moldboard for plows. 2,041,519; May 19.
Aluminium Plant & Vessel Company Limited, The. (See French, Thomas E., assignor.)
Aluminum Ladder Company. (See Carbis, Samuel H., assignor.)
Amend, William J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing a tolyl carbinol. 2,040,913; May 19.
American Colortype Company. (See Vierling, Lester L., assignor.)
American Laundry Machinery Company, The. (See Hanney, Angus F., assignor.)
American Laundry Machinery Company. (See Matthews, Albert, assignor.)
American Platinum Works. (See Streicher, Johann S., assignor.)
American Radiator Company. (See Cornell, Edward S., Jr., assignor.)
American Sheet and Tin Plate Company. (See Darbaker, James M., assignor.)
American Sheet and Tin Plate Company. (See Marburg, Edgar, assignor.)
American Smelting and Refining Company. (See Betterton, J. O., and Phillips, assignors.)
American Steel and Wire Company of New Jersey, The. (See Gleason, George A., assignor.)
American Telephone and Telegraph Company. (See Abraham, L. G., and Mitchell, assignors.)
American Telephone and Telegraph Company. (See Matte, Andrew L., assignor.)
American Telephone and Telegraph Company. (See Wright, S. B., and Mitchell, assignors.)
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Universal torch machine. 2,040,914; May 19.
Anderson, Samuel M., Sharon, assignor to B. F. Sturtevant Company, Inc., Boston, Mass. Combined heating and cooling system. 2,041,039; May 19.
Apex Electrical Manufacturing Company. (See Frantz, Clarence G., assignor.)
Apotheker, Carl. (See Bonhôte, G., and Apotheker.)
Armacost, Wilbur H., assignor to The Superheater Company, New York, N. Y. Boiler. 2,041,388; May 19.
Armstrong, Levi B., Chicago, Ill., assignor to The Lundie Engineering Corporation, New York, N. Y. Rail supporting and securing means. 2,040,824; May 19.
Aronberg, David G., New York, N. Y. Bridge problem work board. 2,041,452; May 19.
Arthur, James L. (See Dyer, J. B., and Arthur.)
Aske, Irving E., Muskegon, assignor to Campbell Wyant and Cannon Foundry Company, Muskegon Heights, Mich. Internal combustion engine. 2,040,915; May 19.
Athill, Leslie C. H., Golders Green, London, England. Electrical heating apparatus. 2,041,631; May 19.
Atmospheric Nitrogen Corporation. (See Weston, Charles F., assignor.)
Auden, Harold A., Banstead, and H. P. Staudinger, Epsom, England, assignors to Ernst Berl, Pittsburgh, Pa. Cellulose ester composition. 2,040,971; May 19.
Aumer, August, Buffalo, N. Y. Cable terminal. 2,040,817; May 19.
Automatic Motor Stop and Start, Inc. (See Good, John, assignor.)
Bäckström, Sigurd M., Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., Dover, Del. Refrigeration system for motor vehicles. 2,041,585; May 19.
Badollet, Marion S., Fanwood, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Coated diatomaceous earth product and making the same. 2,040,818; May 19.
Bakelite Corporation. (See Bender, Howard L., assignor.)
Baker Perkins Company. (See Savy, Robert, assignor.)
Ballman, Edwin C., St. Louis, Mo. Shaft coupling. 2,041,104; May 19.
Ballou, B. A., & Co. (See Morehouse, Eugene, assignor.)
Bamford, Daniel, Middleton, England. Manufacture of squeezing or expressing bowls, rollers, and such like. 2,041,520; May 19.
Barber, Boyd. (See Dame, C. V., and Barber.)
Barclay, Frank R., Youngstown, Ohio. Safety traffic light for automobiles. 2,041,315; May 19.
Barden, William S., Grasmere, Staten Island, N. Y., assignor to Radio Corporation of America. Carrier augmentation circuit. 2,041,040; May 19.
Barmer Maschinenfabrik Aktiengesellschaft. (See Bochmann, O., and Vollenbroich, assignors.)
Barnack, Oskar, assignor to Ernst Leitz Optische Werke, Wetzlar, Germany. Cinematographic and photographic camera. 2,041,632; May 19.
Barnack, Oskar, assignor to Ernst Leitz G. m. b. H., Wetzlar, Germany. Photographic camera. 2,041,633; May 19.
Barnhart, Albert W., Youngstown, Ohio. Roller screen. 2,041,105; May 19.
Barry, Gerald J., assignor to Philco Radio & Television Corporation, Philadelphia, Pa. Indicating device for radio receivers. 2,041,106; May 19.
Bartlett Hayward Company, The. (See Koether, Emil A., assignor.)
Bary, Victor A., London, England. Axle bearing for rail vehicles. 2,041,389; May 19.
Bary, Victor A., London, England. Lubricated bearing for railroad vehicle axles. 2,041,390; May 19.
Batsen, Richard G., Kansas City, Mo. Self-priming pump. 2,041,586; May 19.
Bastin, Louis H. P., Bois-Colombes, assignor to Societe Generale Isothermos S. A., Paris, France. Bush. 2,041,107; May 19.
Batcheller, Clements, Portsmouth, N. H. Laminated roofing or sheet product. 2,041,041; May 19.
Bates, John B., assignor to Titemite Alloys Corporation, Euclid, Ohio. Aluminum alloy. 2,041,042; May 19.
Bates, Lloyd G., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Apparatus for and method of feeding molten glass. 2,041,222; May 19.
Batterman, Elmer F. (See Verderber, J., and Batterman.)
Bauch, George J., Milwaukee, Wis. Bottle opener and sealer. 2,041,391; May 19.
Bean, Albert C., Kansas City, and J. B. Ray, Fort Worth, Tex. Tank. 2,041,392; May 19.
Beard, Lawrence O., Lancaster, Pa. Refacing tool for valve seats. 2,041,587; May 19.
Beardsley & Woolcott Manufacturing Company, The. (See Perry, Edward D., assignor.)
Bear-Stewart Co. (See Goodman, William L., assignor.)
Beaty, Julian B. (See Beschere, Harvey, assignor.)
Bebie, Jules, and G. L. Doelling, assignors to Rice-Stix Dry Goods Co., St. Louis, Mo. Fabric structure and treatment. 2,040,819; May 19.
Becker, Heinrich, assignor to Maschinenfabrik-Augsburg-Nurnberg A. G., Augsburg, Germany. Piston. 2,040,972; May 19.
Becker, Robert A., Sr., and S. P. Becker, Poughkeepsie, N. Y. Unit solderless wire connecter. 2,041,108; May 19.
Becker, Stephen P. (See Becker, Robert A., Sr., and S. P.)
Beers, Erle F. (See De Witt, W. J., and Beers.)
Beeson, Paul O., St. Louis, Mo., assignor to The Ruberoid Co., New York, N. Y. Corrugated laminated sheathing. 2,041,393; May 19.
Beistle Company, The. (See Fickes, Dewey, assignor.)

Belcher, Mark, Daisetta, Tex. Fire extinguisher and blowout preventer. 2,041,394; May 19.
Belden, Albert G., and H. J. Griffing, assignors to Norton Company, Worcester, Mass. Roll grinding machine. 2,040,820; May 19.
Bell Telephone Laboratories, Incorporated. (See Fay, Clifford E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Friis, Harald T., assignor.)
Bell Telephone Laboratories, Incorporated. (See Gray, Frank, assignor.)
Bell Telephone Laboratories, Incorporated. (See Myers, Oscar, assignor.)
Bell Telephone Laboratories, Incorporated. (See Riesz, Robert R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Saul, G. N., and Shiel, assignors.)
Bell Telephone Laboratories, Incorporated. (See Smith, Phillip H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Stokely, Ray L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Thuras, Albert L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Wilson, Henry D., Jr., assignor.)
Bell Telephone Laboratories, Incorporated. (See Whittle, Horace, assignor.)
Benda, Louis, Frankfort-on-the-Main, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Aqueous solutions of therapeutically valuable compounds and preparing them. 2,040,973; May 19.
Bender, Howard L., Bloomfield, N. J., assignor to Bakelite Corporation, New York, N. Y. Resinous composition and making same. 2,041,453; May 19.
Bendix Aviation Corporation. (See Cautley, John R., assignor.)
Bendix Aviation Corporation. (See Floyd, J. M., Long, Nash, and Dibble, assignors.)
Bendix Aviation Corporation. (See Frank, Frederick C., assignor.)
Bendix Brake Company. (See La Brie, Ludger E., assignor.)
Bendix Brake Company. (See Rosner, Adolph, assignor.)
Bendix Brake Company. (See Sanford, Roy S., assignor.)
Bendix Brake Company. (See Stelzer, William, assignor.)
Benham, Daniel W., et al. (See Dumas, Eugene J., assignor.)
Benjamin Electric Mfg. Company. (See Benjamin, Reuben B., assignor.)
Benjamin, Reuben B., Chicago, assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill. Floodlight. 2,040,821; May 19.
Bennett, Clarence G., Portland, Oreg., assignor to Paterson Parchment Paper Company, Bristol, Pa. Filter. 2,041,043; May 19.
Bennett, Edwin O. (See Moran, D. J., and Bennett.)
Bennett, Edwin O., assignor to Continental Oil Company, Ponca City, Okla. Flexible stuffing box assembly. 2,041,316; May 19.
Bennett, Morris H., Prospect, assignor to Scovill Manufacturing Company, Waterbury, Conn. Condenser. 2,041,280; May 19.
Benson, Charles E., assignor to Los Angeles Engraving Company, Inc., Los Angeles, Calif. Photoengraving screen and producing same. 2,041,317; May 19.
Berger, Paul, Chicago, assignor of two-thirds to W. W. Miller, Evanston, and L. G. Petterman, Chicago, Ill. Roasting machine. 2,041,318; May 19.
Berl, Ernst. (See Auden, H. A., and Staudinger, assignors.)
Bernhardt, Richard P., Chicago, Ill. Justifying device. 2,041,109; May 19.
Berti, Joseph, Brooklyn, assignor to Phinney-Walker Co. Inc., New York, N. Y. Electric clock. 2,041,395; May 19.
Betterton, Jesse O., and A. J. Phillips, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Treating mixed oxides of lead, tin, and zinc. 2,040,825; May 19.
Betterton, Jesse O., and A. J. Phillips, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Treating brass and bronze secondary metals. 2,040,826; May 19.
Biddle, William C. (See Corbin, Elbert A., Jr., assignor.)
Bigelow, Lucy S., Kansas City, Mo. Toy valise. 2,040,974; May 19.
Biolite, Incorporated. (See Kaufman, Alfonse, assignor.)
Birch, Leland W., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley system and device. 2,041,110; May 19.
Birchell, Francis C. (See Schram, W. G., and Birchall.)
Bishop, William H., assignor to Weathershields Limited, Birmingham, England. Sliding roof for vehicles. 2,041,281; May 19.
Bjerg, Niels H., assignor to A. B. Dick Company, Chicago, Ill. Adhesive. 2,040,916; May 19.
Blomgren, Henry R., Central Park, assignor of one-fourth to W. D. McGurn, Rockville Centre, N. Y. Internal combustion engine. 2,041,319; May 19.
Blumenthal, Samuel J., Brooklyn, N. Y. Surgical instrument. 2,041,521; May 19.
Blydenburgh, Harold L. (See George, E. S., and Blydenburgh.)
Bochmann, Otto, and T. Vollenbroich, Remscheid-Lennep, assignors to Barmer Maschinenfabrik, Aktiengesellschaft, Wuppertal-Oberbarmen, Germany. Gear pump for artificial silk spinning machines. 2,041,454; May 19.
Boling, Hans K., Lentner, Mo. Attachment for rural mail boxes. 2,041,588; May 19.
Bollman, Roland R., Mt. Washington, assignor to The Perfect Manufacturing Company, Cincinnati, Ohio. Plastic rubber composition. 2,041,223; May 19.
Bolton, Marie M. (See Jacobs, Reed E., assignor.)
Bonazzola, Francesco. (See Cantini, Valentino, assignor.)
Bonhôte, Gérald, Basel, and C. Apotheker, Riehen, assignors to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Azo-dyestuffs and making the same. 2,041,455; May 19.
Bosch, Robert, Aktiengesellschaft. (See Callsen, A., and Schmid, assignor.)
Bouchard, Blanche E. (See DuGrenier, Francis C., assignor.)
Bourn, Harry H., Waukesha, Wis. Harness attachment. 2,041,044; May 19.
Bowers, Charley, assignor of five per cent to W. Saal, New York, N. Y. Changeable electric light device. 2,041,589; May 19.
Boyko, Emil, Saskatoon, Saskatchewan, Canada. Trap hook. 2,041,634; May 19.
Bradley, Ralph A., and V. C. Norquist, assignors to Butler Manufacturing Company, Kansas City, Mo. Tank vehicle. 2,041,320; May 19.
Bragg-Kliesrath Corporation. (See Kliesrath, Victor W., assignor.)
Brassert-Tidewater Development Corporation. (See Petersen, Roy S., assignor.)
Brasty, Joseph, Maple Heights, assignors of one-third to A. R. Meyer, Cleveland, Ohio. Mold for retreading tires. 2,041,321; May 19.
Bray, Ulric B., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Treating oils. 2,041,275; May 19.
Bray, Ulric B., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Treating oils. 2,041,276; May 19.
Bray, Ulric B., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Treating oils. 2,041,277; May 19.
Bray, Ulric B., Palos Verdes Estates, assignor to Union Oil Company of California, Los Angeles, Calif. Asphaltic composition. 2,041,279; May 19.
Breer, Carl, assignor to Chrysler Corporation, Detroit, Mich. Automobile. 2,041,522; May 19.
Brell, Jules J., New York, N. Y. Machine for making photo prints on printing cylinders. 2,040,827; May 19.
Brewer, Nathaniel, Lansdowne, assignor to The Sharples Specialty Company, Philadelphia, Pa. Machine and method for separating solids from liquids. 2,040,822; May 19.
Bright, George B., Detroit, Mich., and M. H. Olstad, Bayside, assignors to Niagara Blower Company, Buffalo, N. Y. Cooler. 2,040,828; May 19.
Briskin, Samuel, Chicago, Ill., assignor to Exsel Auto Radiator Company. Heat exchange device. 2,040,917; May 19.
Bristol, Carlton W., Naugatuck, assignor to The Bristol Company, Waterbury, Conn. Telemetering device. 2,040,918; May 19.
Bristol Company, The. (See Bristol, Carlton W., assignor.)
Brooks, Samuel M., Merchantville, assignor to Warren Webster & Company, Camden, N. J. Heating system and apparatus. 2,041,282; May 19.
Brostrom, Charles G., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for roughing shoe parts. 2,040,829; May 19.
Brown Bag Filling Machine Company, The. (See Lidberg, J. A., and Chandler, assignors.)
Brown, Bernard A., C. H. Kindl, and R. C. Keetle, assignors to Delco Products Division of General Motors Corporation, Dayton, Ohio. Control device. 2,041,161; May 19.
Brown, Carl S., Hutchinson, Kans. Sacker apparatus. 2,041,224; May 19.
Brown Company. (See Richter, George A., assignor.)
Brown, George R., Bridgeport, Conn., assignor to General Electric Company. Fuse. 2,041,590; May 19.
Brown-Grigsby Gold Mining Company. (See Brown, H., and Grigsby, assignors.)
Brown, Harold, Kansas City, Kans., and A. R. Grigsby, Kansas City, Mo., assignors to Brown-Grigsby Gold Mining Company, Kansas City, Kans. Separator. 2,041,591; May 19.
Brown, Newman T., Seattle, Wash., assignor, by mesne assignments, and decree of distribution, to Katherine H. Grommeech. Vegetable and fruit skin removing device. 2,041,111; May 19.
Bruce, E. L., Company. (See Lyons, Frank H., assignor.)
Brunst, William M., Columbus, Ohio, assignor, by mesne assignments, to General Door Company, Reno, Nev. Operating mechanism for overhead doors. 2,041,221; May 19.
Bucher, Fred J., Pittsburgh, Pa. Cabinet panel board unit. 2,041,112; May 19.

Buchholtz, Herbert, Dortmund, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Steel for railroad rails, wheel tires, plank-piles and other objects which are subjected to heavy wear. 2,041,635; May 19.
Buckwalter, Tracy V., assignor to The Timken Roller Bearing Company, Canton, Ohio. Roller bearing axle. 2,041,162; May 19.
Budd, Wheel Company. (See Eksergian, Carolus L., assignor.)
Budd Wheel Company. (See Hight, Franklin R., assignor.)
Buffalo Cold Storage Company. (See Knowlton, Daniel E., assignor.)
Bulldog Electric Products Company. (See Frank, W. H., and Harper, assignors.)
Bundy Tubing Company. (See Quarnstron, Bert L., assignor.)
Bunnell, Earl C., Stratford, assignor to Neva-Clog Products, Inc., Bridgeport, Conn. Stapling device. 2,041,523; May 19.
Burbridge, John R., Kenosha, Wis. Closure fastener. 2,041,396; May 19.
Burgess Cellulose Company. (See Schorger, Arlie W., assignor.)
Burke, David F., Manchester, Mass. Acoustic device. 2,041,163; May 19.
Burnelli Aircraft, Ltd. (See Uppercu, Inglis M., assignor.)
Burroughs, Samuel G., Pittsburgh, Pa., assignor to Pennsylvania Coal Products Company. Hydrolyzing chlor phenols. 2,041,592; May 19.
Burroughs, Samuel G., assignor to Pennsylvania Coal Products Company, Pittsburgh, Pa. Hydrolyzing chlor alkyl phenols. 2,041,593; May 19.
Burrows, Fred J., Ticonderoga, and W. H. Burrows, Crown Point, N. Y. Carburetor. 2,041,524; May 19.
Burrows, William H. (See Burrows, Fred J., and W. H.)
Butler, George E. (See de Lannoy, Charles F., assignor.)
Butler Manufacturing Company. (See Bradley, R. A., and Norquist, assignor.)
Butterworth, Carl E., New Gulf, and J. W. Schwab, Gulf, Tex., assignors to The Koppers Company of Delaware. Treating sulphur-mining bleed-water. 2,041,397; May 19.
C M C Corporation. (See Moreno, Gabriel G., assignor.)
Cain, William S., assignor of one-half to T. W. Carter, McCamey, Tex. Gauger's and pumper's gauge-tray. 2,040,975; May 19.
Caldwell, Samuel P., Hamden, assignor to The Engineering and Research Corporation, New Haven, Conn. Circuit closer. 2,040,919; May 19.
California Fruit Growers Exchange. (See Lund, Albert A., assignor.)
Callsen, Albert, and A. Schmid, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Electric starter. 2,041,225; May 19.
Cammen, Leon, New York, N. Y. Testing lubricants. 2,041,525; May 19.
Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Electropneumatic brake. 2,040,976; May 19.
Campbell, Donald J., Spring Lake, assignor to Campbell, Wyant and Cannon Foundry Company, Muskegon Heights, Mich. Internal combustion engine piston. 2,041,113; May 19.
Campbell Wyant and Cannon Foundry Company. (See Aske, Irving E., assignor.)
Campbell, Wyant and Cannon Foundry Company. (See Campbell, Donald J., assignor.)
Cantini, Valentino, assignor of one-half to Francesco Bonazzola, Santa Barbara, Calif. Float for fishing lines. 2,041,322; May 19.
Carbis, Samuel H., assignor to Aluminum Ladder Company, Tarentum, Pa. Aluminum ladder. 2,040,977; May 19.
Carini, Louis F. B., Wethersfield, Conn. Electrical discharge tube circuits. 2,041,114; May 19.
Carlson, Wendell L., Haddonfield, N. J., assignor to Radio Corporation of America. Television system. 2,041,456; May 19.
Carpenter, Herbert L., Brooklyn, N. Y. Remote control system. 2,041,398; May 19.
Carrier Engineering Corporation. (See Carrier, W. H., and Waterfill, assignors.)
Carrier, Willis H., Elizabeth, and R. W. Waterfill, East Orange, assignors, by mesne assignments, to Carrier Engineering Corporation, Newark, N. J. Refrigeration. 2,041,045; May 19.
Carroll, Eugene G., Los Angeles, Calif. Master cylinder for fluid-operated systems. 2,041,164; May 19.
Carson, Oswald B., Scarsdale, N. Y. Spectacle. 2,041,283; May 19.
Carter, Leslie F., Leonia, N. J., assignor, by mesne assignments, to Sperry Products, Inc., Brooklyn, N. Y. Gyro baseline. 2,041,526; May 19.
Carter, Lionel A., Webster Groves, Mo. Lathe. 2,041,046; May 19.
Carter, Thomas W. (See Cain, William S., assignor.)
Cautley, John R., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake cooling means. 2,041,457; May 19.
Cavins, Omar A. (See Gates, L. G., Herrick, Cavins, and Postlewaite.)
Celanese Corporation of America. (See Ellis, G. H., and Kirk, assignors.)
Celanese Corporation of America. (See Olpin, H. C., and Ellis, assignors.)
Celcure Corporation of America. (See Gunn, Gilbert, assignor.)
Celon Company, The. (See Olson, John E., assignor.)
Central Radio Laboratories, Inc. (See Stoekle, Erwin R., assignor.)
Central Tool Company, The. (See Jaques, Fernando O., assignor.)
Chadwick, Lee S., Shaker Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Heating stove. 2,041,226; May 19.
Chalmers, John W., Deptford, London, England. Wrapper for powder, granular, or similar substances. 2,041,227; May 19.
Chalmers, John W., Deptford, London, England. Wrapper for powder, granular, or similar substances. 2,041,228; May 19.
Chamberlin, James A., and A. W. Owens, Houston, Tex. Laboratory implement. 2,041,229; May 19.
Champion Machine and Forging Company, The. (See Johnson, Howard F., assignor.)
Chandler, Austin S. (See Lidberg, J. A., and Chandler.)
Chase, Charles E., and J. Knoche, assignors, by mesne assignments, to Joseph Knoche, Kansas City, Mo. Display device. 2,041,165; May 19.
Chason, Daniel H., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Work-holder. 2,041,280; May 19.
Chemipulp Process Inc. (See Dunbar, Thomas L., assignor.)
Cheany, Heinz H., San Francisco, W. H. Farnsworth, San Mateo, and P. D. V. Manning, Berkley Woods, assignors to Marine Chemicals Company, Ltd., San Francisco, Calif. Manufacturing magnesium products. 2,041,047; May 19.
Cheany, Heinz H., San Mateo, assignor to Marine Chemicals Company, Ltd., San Francisco, Calif. Filter apparatus and method. 2,041,048; May 19.
Chicago Telephone Supply Co. (See Schellenger, Newton C., assignor.)
Chicago Telephone Supply Company. (See Schellenger, N. C., and Haselwood, assignors.)
Chilton, Roland, Ridgewood, N. J. Variable speed transmission mechanism. 2,040,830; May 19.
Chilton, Roland, Ridgewood, N. J. Transmission. 2,040,831; May 19.
Chilton, Roland, Ridgewood, N. J. Transmission. 2,040,832; May 19.
Chilton, Roland, Ridgewood, N. J. Transmission. 2,040,833; May 19.
Chilton, Roland, Ridgewood, N. J. Transmission. 2,041,284; May 19.
Christofferson, Charles, and A. G. Wahlberg, Duluth, Minn. Unitary air conditioner. 2,040,920; May 19.
Chrysler Corporation. (See Breer, Carl, assignor.)
Chrysler Corporation. (See Heussner, Carl E., assignor.)
Chrysler Corporation. (See Lee, Roger K., assignor.)
Chrysler Corporation. (See Woolson, Harry T., assignor.)
Chrysler Corporation. (See Zeder, James C., assignor.)
Ciba Products Corporation. (See Gams, A., and Frey, assignors.)
Cincinnati Grinders, Incorporated. (See Haas, F. S., and Goetzel, assignors.)
Clark, Frank M., Pittsfield, Mass., assignor to General Electric Company. Electrical capacitor. 2,041,594; May 19.
Clark, Keith, Inc. (See Clark, K., and Mitchell.)
Clark, Keith, and A. G. Mitchell, Ridgewood, N. J., assignors to Keith Clark, Inc., New York, N. Y. Calendar. 2,041,652; May 19.
Clarke, Adam. (See Varley, G. P., and Clarke.)
Claude, André, Nanterre, France. Electric gaseous discharge apparatus. 2,041,595; May 19.
Clayton, Gerard C. H., London, England, assignor to Instanta Electric Limited. Indicating device for use with clocks. 2,041,115; May 19.
Cogsdill Manufacturing Company. (See Cogsdill, Stuart A., assignor.)
Cogsdill, Stuart A., assignor to Cogsdill Manufacturing Company, Inc., Detroit, Mich. Device for loading tools in holders. 2,040,978; May 19.
Cole, Raymond A., assignor to Norton Company, Worcester, Mass. Hydraulically operated steadyrest. 2,041,166; May 19.
Collier, Bryan E. (See Hodgins, William R., assignor.)
Collins, Henry E., Dunmore, Pa. Holder for snelled fishing books. 2,041,231; May 19.
Collins, Henry E., Dunmore, Pa. Holder for snelled fishing hooks. 2,041,232; May 19.
Collins, Richard L., San Francisco, Calif. Fuel injector apparatus. 2,041,167; May 19.
Colorflex Corporation. (See Cooper, Roy L., assignor.)
Columbia Ribbon & Carbon Manufacturing Company. (See Moore, Robson S., assignor.)
Comunidad "Propulsor Chile". (See Zegers, Alberto, assignor.)
Conklin Pen Company, The. (See Kelley, Lloyd A., assignor.)
Consolidate Ashcroft Hancocok Company. (See Hammond, Elmer H., assignor.)

Consolidated Car Heating Company. (See Parsons, R. J., and Conway, assignors.)
Constantine, Arthur R. (See Kenney, M. W., and Constantine.)
Continental Oil Company. (See Bennett, Edwin O., assignor.)
Continental Oil Company. (See Lincoln, B. H., and Henriksen, assignors.)
Continental Oil Company. (See Miller, Walter, assignor.)
Continental Oil Company. (See Moran, D. J., and Bennett, assignors.)
Conway, John W. (See Parsons, R. J., and Conway.)
Coombs, James A. (See Jones, E. R., Denton, and Coombs.)
Cooper, Roy L., assignor to Colorflex Corporation, Hammond, Ind. Illumination control system. 2,041,458; May 19.
Coppage, Carroll T., Rocky River, Ohio. Timing device. 2,041,323; May 19.
Corbin, Elbert A., Jr., Gradyville, assignor of one-half to W. C. Biddle, Lansdowne, Pa. Molded shoe and making the same. 2,040,921; May 19.
Corey, Elmer O., Norwood, assignor to The Edna Brass Manufacturing Company, Cincinnati, Ohio. Injector. 2,041,527; May 19.
Cornell, Edward S., Jr., Larchmont, assignor to American Radiator Company, New York, N. Y. Maximum temperature controlling device. 2,041,653; May 19.
Costello, Ralph M. (See Pepper, Robert H., assignor.)
Cottet, Emile C., Lyon, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France. Safety glass. 2,041,528; May 19.
Covelle, Albert E., Medford, Mass. Oculist's chart. 2,041,459; May 19.
Cowles, Irving, Detroit, Mich. Flexible conduit. 2,041,596; May 19.
Crabb, Lester M., Flint, assignor to General Motors Corporation, Detroit, Mich. Carburetor. 2,040,922; May 19.
Cralley, Lawrence W., East St. Louis, Ill. Knife. 2,040,596; May 19.
Crawford, Jomn W., Flint, Mich. Chicken brooder. 2,041,049; May 19.
Creed, Bennett C., Hinsdale, Ill. Device for packaging tape and thread. 2,041,324; May 19.
Crozier, Edward G., and J. R. Post, Munhall, Pa. Rolling mill guide. 2,040,979; May 19.
Cubbage, Fred W., Longview, Tex. Dental gauge. 2,040,835; May 19.
Cunningham, James, Son & Company. (See Fergusson, David, assignor.)
Cunningham, Lewis L., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Adjustable differential control mechanism. 2,041,050; May 19.
Cutshall, Ellsworth W., Houston, Tex. Parachute carrier for kites. 2,041,233; May 19.
Daimler, Karl, Frankfort-on-the-Main-Hochst, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Bituminous dispersions for coatings or coverings and preparing them. 2,041,234; May 19.
Dallas, Samuel B., Baltimore, Md. Jointing of muntin or cross bars. 2,041,051; May 19.
Dame, Charles V., and B. Barber, Lanark, Ill., said Barber assignor to said Dame. Power attachment means for lawn mowers. 2,041,654; May 19.
Daniels, Claude H., Wellesley Hills, Mass. Shoe of the Ghillie type. 2,041,672; May 19.
Darbaker, James M., Gary, Ind., assignor to American Sheet and Tin Plate Company. Feed device. 2,041,235; May 19.
Davidson, Harold W. (See Kauffman, C. A., and Davidson.)
Dawson, Elma N. (See Dawson, James C., assignor.)
Dawson, James C., assignor to E. N. Dawson, Webster Groves, Mo. Loose leaf binder. 2,041,168; May 19.
Dean, John N. (See Smith, W. S., Garnett, and Dean.)
De Boer, Jan H. (See Reerink, E. H., and de Boer.)
De Cew, Judson A., Mount Vernon, N. Y. Paper sizing. 2,041,285; May 19.
De Graaf, Martin, Grand Rapids, Mich. Spray head. 2,041,390; May 19.
De Haven Razor Corporation. (See Pilliod, T. J., and Müller, assignors.)
De Kermor, Louis G., Edmonton, Alberta, Canada. Electric steam condenser. 2,041,116; May 19.
Dek Products, Inc. (See Wisner, John A., assignor.)
Delage & Cie. (See Gaultier, Maurice, assignor.)
Delano, James K., New York, N. Y. Crank and gear case cleaning apparatus. 2,041,529; May 19.
De Lannoy, Charles F., assignor of forty-nine per cent to G. E. Butler, Carmel, Calif. Automobile distress signal. 2,041,325; May 19.
Delco Products Division of General Motors Corporation. (See Brown, B. A., Kindl, and Keetle, assignors.)
Del-Mac Shoe Process Corporation, The. (See Maccarone, P., and Sutcliffe, assignors.)
Delta Manufacturing Company. (See Tauts, Herbert E., assignor.)
Denton, Arthur B. (See Jones, E. R., Denton, and Coombs.)
De Regnauld de Bellescize, Henri J. J. M., Neuilly-sur-Seine, France. Receiving system for frequency modulated oscillations. 2,040,980; May 19.
Deschere, Harvey, New York, assignor to J. B. Beaty, Rye, N. Y. Illumination. 2,040,836; May 19.
De Spain, Thomas H., assignor to Southern Textile Machinery Company, Paducah, Ky. Stop mechanism for loopers. 2,041,673; May 19.
De Spain, Thomas H., assignor to Southern Textile Machinery Company, Paducah, Ky. Needle. 2,041,674; May 19.
De Vorss, Elvin C., Denver, Colo. Gauge pin. 2,040,981; May 19.
De Vry, Herman A., Chicago, Ill. Framing device for motion picture projectors. 2,041,236; May 19.
De Witt, William J., and E. F. Beers, Auburn, assignors to Dun Deer Sandals, Inc., Auburn, N. Y. Apparatus for making shoe soles. 2,041,530; May 19.
DeWitt, William J., and E. F. Beers, assignors to Dun Deer Sandals, Inc., Auburn, N. Y. Apparatus for making shoe soles. 2,041,531; May 19.
DeWitt, William J., and E. F. Beers, assignors to Dun Deer Sandals, Inc., Auburn, N. Y. Apparatus for making shoe soles. 2,041,532; May 19.
DeWitt, William J., and E. F. Beers, assignors to Dun Deer Sandals, Inc., Auburn, N. Y. Apparatus for making shoe soles. 2,041,533; May 19.
Dibble, Harry H. (See Floyd, J. M., Long, Nash, and Dibble.)
De Cesare, Dierino, Chicago, Ill. Propeller. 2,041,169; May 19.
Dick, A. B., Company. (See Bjerg, Niels H., assignor.)
Dickhäuser, Ewald. (See Voss, A., and Dickhäuser.)
Di-Guangco, Primo, and V. Vito, Manila, P. I. Hair waving device. 2,040,982; May 19.
Doane, Harry C., Flint, assignor to General Motors Corporation, Detroit, Mich. Vehicle signal. 2,040,923; May 19.
Dodson, William C. (See Drum, H. S., and Dodson.)
Doelling, George L. (See Bebie, J., and Doelling.)
Doherty, William J., Haberfield, and E. F. Gilford, Petersham, New South Wales, Australia. Machine for vending tickets. 2,041,636; May 19.
Dolza, John, Flint, assignor to General Motors Corporation, Detroit, Mich. Bearing lubrication. 2,040,924; May 19.
Dominion Manufacturers Limited. (See Robinson, Henry W., assignor.)
Donaldson, Harry C., Jr., Edgewood, and J. G. Ford, Forest Hills, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Fireproof insulating compounds. 2,041,052; May 19.
Donderer, Josef, assignor of one-half to L. Sussmeier, Augsburg, Germany. Tractor wheel. 2,041,460; May 19.
Dorsey, Russell A., Buffalo, N. Y. Container construction. 2,041,170; May 19.
Dow Chemical Company, The. (See Gann, J. A., and Gross, assignors.)
Dreyfus, Henry, London, England. Textile operation. 2,040,925; May 19.
Dreyfus, Henry, London, England. Concentration of aliphatic acids. 2,040,926; May 19.
Drum, Harry S., Abington, and W. C. Dodson, Jenkintown, assignors to Smith, Drum and Company, Philadelphia, Pa. Thread winding mechanism. 2,041,118; May 19.
Drum, George E., and W. H. Jaxheimer, assignors to Smith, Drum & Company, Philadelphia, Pa. Dyeing machine. 2,041,117; May 19.
Duganne, Charles G., Washington, D. C. Golf course marker. 2,041,119; May 19.
DuGrenier, Francis C., assignor of one-half to B. B. Bouchard, Haverhill, Mass. Coin controlled mechanism. 2,040,983; May 19.
Dumas, Eugene J., Salem, assignor, by mesne assignments, of one-half to D. W. Benham, Middleton, and one-half to L. Siegel, Lynn, Mass., doing business as North Shore Last Co. Hinged last. 2,041,400; May 19.
Dunbar, Thomas L., assignor to Chemipulp Process Inc., Watertown, N. Y. Digesting process and apparatus. 2,041,597; May 19.
Duncan, Edward C. (See Meyer, E. M., and Duncan.)
Duncan, Robert, Washington, D. C., and L. F. Wilkinson, Garrett Park, Md., assignors to Government of The United States, represented by the Secretary of Commerce (His). Ribbon shift mechanism for tabulating machines. 2,041,637; May 19.
Dun Deer Sandals, Inc. (See De Witt, W. J., and Beers, assignors.)
Dunham, Le Roy S., East Orange, assignor to Edison-Splitdorf Corporation, West Orange, N. J. Cam lubricating means. 2,041,663; May 19.
Du Pont, E. I., de Nemours & Company. (See Amend, William J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Engelmann, Max, assignor.)
Du Pont, E. I., de Nemours & Company. (See Holt, Harold S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Johnson, Frank W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lazier, Wilbur A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Rigby, George W., assignor.)
Du Pont, E. I., de Nemours & Company. (See Scott, Norman D., assignor.)
Dupont Viscoloid Company. (See Haught, J. W., and Rodman, assignors.)

Durand & Huguenin Aktiengesellschaft. (See Zeh, L., and Konrad, assignors.)
D'Yarmett, Edward C., Atoka, Okla. Heat-treating liquids. 2,040,837; May 19.
D'Yarmett, Edward C., Atoka, Okla. Apparatus for cracking hydrocarbon oils. 2,040,838; May 19.
Dyer, John B., Pendleton, and J. L. Arthur, Anderson, Ind., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Control apparatus for engine starters. 2,041,171; May 19.
Eaton Manufacturing Company. (See Wallace, William H., assignor.)
Eclipse Textile Devices, Inc. (See Hasbrouck, Louis B., assignor.)
Edison-Splitdorf Corporation. (See Dunham, Le Roy S., assignor.)
Edison-Splitdorf Corporation. (See Klingner, Adolph F., assignor.)
Edna Brass Manufacturing Company, The. (See Corey, Elmer O., assignor.)
Eger, Ernest, Grosse Pointe Park, Mich., assignor to United States Rubber Company, New York, N. Y. Inner tube. 2,041,534; May 19.
Egry Register Company, The. (See Pfeiffer, William C., assignor.)
Egry Register Company, The. (See Pfeiffer, William C., and F. E., assignors.)
Egry Register Company, The. (See Sargent, George H., assignor.)
Egyptian Lacquer Manufacturing Company, The. (See Thuesen, Dagfinn G., assignor.)
Ekvergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Artillery wheel. 2,041,326; May 19.
Eldred, George S., Chicago, Ill. Bag emptying device. 2,041,401; May 19.
Electric Auto-Lite Company, The. (See Hogenbirk, Nicholas, assignor.)
Electric Household Utilities Corporation. (See Hart, Harold L., assignor.)
Ellis, George H. (See Olpin, H. C., and Ellis.)
Ellis, George H., and E. W. Kirk, Spondon, near Derby, England, assignors to Celanese Corporation of America. Coloration of textile materials. 2,040,927; May 19.
Ellis, George H., St. Paul, assignor to The Insulite Company, Minneapolis, Minn. Heat and sound insulating composition. 2,041,120; May 19.
Emons, Ernest E., Akron, Ohio, assignor to The Ful-Vue Sales Company, Washington, D. C. Spectacle frames. 2,041,638; May 19.
Engelmann, Max, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Alkoxy-alkyl-amino-benzothiazoles and their production. 2,040,928 May 19.
Engineering and Research Corporation, The. (See Caldwell, Samuel P., assignor.)
Equitable Paper Bag Co. (See Poppe, George W., assignor.)
Erber, Bernhard, and M. Furcht, Vienna, and F. Gantner, Modling, Austria, assignors to the firm Gustav Gans & Co., Vienna, Austria. Indirectly heated cathode. 2,041,286; May 19.
Ernst, Walter, Mount Gilead, Ohio, assignor, by mesne assignments, to The Hydraulic Press Corporation, Inc., Wilmington, Del. Pump or motor. 2,041,172; May 19.
Excel Auto Radiator Company. (See Briskin, Samuel, assignor.)
Excell Curtain Company. (See Levan, John F., assignor.)
Fairchild, Glen G., assignor of one-fourth to M. E. Whalen, and one-fourth to H. G. Suter, Toledo, Ohio. Fountain brush. 2,041,173; May 19.
Fairweather, David A. W., Laurieston, and R. F. Thomson, Grangemouth, Scotland, assignor, by mesne assignments, to Scottish Dyes Limited. Manufacture of new enolic sulphuric esters of hydroindanthrones. 2,041,402; May 19.
Fareso, John, Sr., North Kensington, London, England. Rotary engine, pump, and the like. 2,041,121; May 19.
Farnese, Sandro C., Cambridge, Mass. Air conditioning system for motor vehicles. 2,041,598; May 19.
Farnsworth, William M. (See Chesny, H. H., Farnsworth, and Manning.)
Farquhar, A. B., Co. Limited. (See Heim, Daniel C., assignor.)
Fatland, Conrad, Mount Prospect, Ill. Mop. 2,041,054; May 19.
Fator, Charles D., San Antonio, Tex. Monocontrol mechanism. 2,040,839; May 19.
Fay, Clifford E., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Transmission control system. 2,041,122; May 19.
Federal Electric Company. (See Keating, W. A., and Kinsell, assignors.)
Fergusson, Alan R., New York, N. Y. Closure caps for receptacles. 2,041,408; May 19.
Fergusson, David, assignor to James Cunningham Son & Company, Rochester, N. Y. Vehicle construction. 2,041,599; May 19.
Ferreras, Rafael P., Sarria, Barcelona, Spain, assignor to Pedro J. Smith, New York, N. Y. Manufacture of pile fabrics. 2,040,840; May 19.
Feuer, Emanuel, Perchtoldsdorf, and P. Kemp, Leising, Austria, assignors to "Smelting" Metallurgische und Metallwerke Aktiengesellschaft, Pestzentenssebet, Hungary. Producing zinc oxide. 2,041,237; May 19.
Fickes, Dewey, assignor to The Beistle Company, Shippensburg, Pa. Attachment for printing presses. 2,041,238; May 19.
Finegan, John A., Kansas City, Mo., assignor to The Raymond Bag Company, Middletown, Ohio. Bag closure. 2,041,239; May 19.
Fischer, William H., assignor to Knapp-Monarch Company, St. Louis, Mo. Electric appliance supporting means. 2,041,327; May 19.
Fitch, Benjamin F., Greenwich, Conn. Luggage handling device for railway cars. 2,041,404; May 19.
Flack, Clyde, San Antonio, Tex. Holder. 2,041,174; May 19.
Flath, Electa M. (See Flath, Otto S., assignor.)
Flath, Otto S., assignor to E. M. Flath, Chicago, Ill. Parkway cable outlet. 2,041,055; May 19.
Fleisher, Walter L., New York City, N. Y. Treating hygroscopic materials at subatmospheric pressures. 2,041,056 May 19.
Flindt, Charles L., San Jose, Calif. Stitching machine. 2,041,405; May 19.
Floyd, John M., L. E. Long, J. W. Nash, and H. H. Dibble, assignors to Bendix Aviation Corporation, South Bend, Ind. Welding machine. 2,041,461; May 19.
Follett, E. C., and A. W. Heater, Newberg, Oreg. Nail stripper. 2,041,057; May 19.
Föppl, Otto, Brunswick, Germany. Key and key-joint. 2,041,123; May 19.
Forbes, James B., Mount Vernon, assignor to Alco Products Incorporated, New York, N. Y. Heat exchanger. 2,041,328; May 19.
Ford, James G. (See Donaldson, H. C., Jr., and Ford.)
Foregger, Richard V., Roslyn, N. Y. Anesthetic apparatus. 2,041,406; May 19.
Fossati, Francis N., Richmond, assignor to Standard Oil Company of California, San Francisco, Calif. Method and apparatus for determining the physical characteristics of metals. 2,041,058; May 19.
Foster Wheeler Corporation. (See Frisch, Martin, assignor.)
Francis, Lynn M., assignor to Mechanical Handling Systems Incorporated, Detroit, Mich. Fifth wheel construction for detachable trailers. 2,041,124; May 19.
Franghai, Byron, Paris, France. Corrugating sheet material. 2,040,929; May 19.
Frank, Frederick C., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,041,462; May 19.
Frank, Frederick C., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,041,463; May 19.
Frank, William H., and J. W. Harper, assignors to Bulldog Electric Products Company, Detroit, Mich. Electrical distribution system. 2,041,675; May 19.
Frantz, Clarence G., Cleveland Heights, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Tub cover. 2,041,464; May 19.
Fraser, George H., Brooklyn, N. Y. Pulverizer and other devices. 2,040,841; May 19.
French, Thomas E., Kingston, assignor to The Aluminium Plant & Vessel Company Limited, London, England. Method of and apparatus for removing gases from milk or cream or other liquids. 2,041,059; May 19.
Frey, Carl. (See Gams, A., and Frey.)
Friedberg, Leo, New Brunswick, N. J. Flashing. 2,041,329; May 19.
Friis, Harald T., Rumson, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio system. 2,041,600; May 19.
Frisch, Martin, Bronx, assignor to Foster Wheeler Corporation, New York, N. Y. Distributing mechanism. 2,040,930; May 19.
Frisch, Martin, assignor to Foster Wheeler Corporation, New York, N. Y. Ball mill pulverizer. 2,041,287; May 19.
Frisch, Martin, Bronx, assignor to Foster Wheeler Corporation, New York, N. Y. Burner. 2,041,535; May 19.
Fromaget, Pierre M., Toulon, France. Band brake. 2,041,536; May 19.
Frost, George S., Baldwin, N. Y. Package. 2,041,537; May 19.
Fuchs, Walter, Ostrava, Czechoslovakia. Producing activated carbon. 2,040,931; May 19.
Fu Francesco, Joe Coluccio, and N. Furfaro, Seattle, Wash. Speed wave ship. 2,040,984; May 19.
Fuller Company. (See Redfield, Snowden B., assignor.)
Ful-Vue Sales Company, The. (See Emons, Ernest E., assignor.)
Furcht, Marguerithe. (See Erber, B., Furcht, and Gantner.)
Furfaro, Nicola. (See fu Francesco, Joe C., and Furfaro.)
Galazin, John E., Cleveland, Ohio. Ornament. 2,040,985; May 19.
Gallagher, James P., Arlington, N. J. Golf club. 2,041,676; May 19.
Gams, Alphonse, and K. Frey, Basel, Switzerland, assignor, by mesne assignments, to Ciba Products Corporation, Dover, Del. Manufacture of artificial masses. 2,041,330; May 19.

Gann, John A., and W. H. Gross, assignors to The Dow Chemical Company, Midland, Mich. Treating magnesium articles. 2,041,331; May 19.
Gantner, Ferdinand. (See Erber, B., Furcht, and Gantner.)
Ganz, Gustav & Co. (See Erber, B., Furcht, and Gantner, assignors.)
Gardner, George D., San Jose, Calif. Can filling machine. 2,041,060; May 19.
Garnett, Henry J. (See Smith, W. S., Garnett, and Dean.)
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Pressure fluid motor. 2,040,842; May 19.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Pressure fluid motor. 2,040,843; May 19.
Gartin, Elmer G., Claremont, N. H., assignor to Sullivan Machinery Company. Pressure fluid motor. 2,040,844; May 19.
Gash, Gordon, Balaclava, and C. M. Godby, Caulfield, Victoria, Australia. Horseshoe. 2,041,538; May 19.
Gann, John A., and W. H. Gross, assignors to The Dow
Gates, Leroy G., Bakersfield, H. N. Herrick and O. A. Cavins, Berkeley, and W. R. Postlewaite, San Francisco, assignors to Standard Oil Company of California, San Francisco, Calif. Tool joint cut-off device. 2,041,061; May 19.
Gaultier, Maurice, Carrieres-sur-Seine, assignor to Delage & Cie. Paris, France. Valve spring arrangement. 2,041,539; May 19.
Gebrke, Wilhelm, and Georg Strohmenger, Munich, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Device for obturating multicolor filters. 2,041,465; May 19.
Geisse, John H., Madison, Wis. Electrical apparatus. 2,041,125; May 19.
General Aniline Works, Inc. (See Krzikalla, H., and Limbacher, assignors.)
General Aniline Works, Inc. (See Kunz, M. A., and Koeberle, assignors.)
General Aniline Works, Inc. (See Raeck, Max, assignor.)
General Door Company. (See Brunst, William M., assignor.)
General Electric Company. (See Brown, George R., assignor.)
General Electric Company. (See Clark, Frank M., assignor.)
General Electric Company. (See Goss, James H., assignor.)
General Electric Company. (See Lincks, George F., assignor.)
General Electric Company. (See Mischler, William N., assignor.)
General Electric Company. (See Suksdorf, Alfred, assignor.)
General Electric Company. (See Tritle, John F., assignor.)
General Electric Company. (See Wright, Daniel K., assignor.)
General Household Utilities Company. (See Kenney, M. W., and Constantine, assignors.)
General Motors Corporation. (See Crabb, Lester M., assignor.)
General Motors Corporation. (See Doane, Harry C., assignor.)
General Motors Corporation. (See Dolza, John, assignor.)
General Motors Corporation. (See Dyer, J. B., and Arthur, assignors.)
General Motors Corporation. (See Kunkle, Bayard D., assignor.)
General Motors Corporation. (See Leuschner, Harry O., assignor.)
General Motors Corporation. (See Pearce, George C., assignor.)
General Motors Corporation. (See Sanders, Wilbur E., assignor.)
General Motors Corporation. (See Smith, Harry G., assignor.)
General Outdoor Advertising Co. (See Stephenson, Elvin W., assignor.)
General Tire & Rubber Company, The. (See Kraft, Herman T., assignor.)
George, Edwin S., Bloomfield Hills, and H. L. Blydenburgh, Highland Park, assignors to The Moto-Mower Company, Detroit, Mich. Power lawn mower. 2,041,126; May 19.
Georgilas, Anthony J., Detroit, Mich. Washing machine means for elevating clothes therein. 2,041,639; May 19.
Gerlinger, Carl F., Dallas, Oreg. Car axle drive. 2,040,932; May 19.
Gertz, Samuel M., assignor to All American Slide Corporation, Chicago, Ill. Stereopticon slide. 2,041,466; May 19.
Gignoux, Fred E., Cape Elizabeth, Maine. Shock absorber for doors. 2,040,986; May 19.
Gilford, Edwin F. (See Doherty, W. J., and Gilford.)
Gillen, George A., Bronx, N. Y. Gearing. 2,040,933; May 19.
Gillen, George A., Bronx, N. Y. Mechanical movement. 2,040,934; May 19.
Gillette Safety Razor Company. (See McWilliams, Joseph E., assignor.)
Gillette Safety Razor Company. (See Stargardter, Albert R., assignor.)
Gilpin, Garth G., Riverside, assignor to Union Metal Products Company, Chicago, Ill. Railway car construction. 2,041,407; May 19.
Girdler Corporation, The. (See Miller, Bruce D., assignor.)
Githens, Otto W., assignor to Universal Camera Corp., New York, N. Y. Photographic camera. 2,040,935; May 19.
Gleason, George A., Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey. End fitting for automobile brake controls. 2,040,987; May 19.
Gluesing, Claus H., De Witt, Iowa. Trimming linoleum. 2,041,240; May 19.
Godby, Charles M. (See Gash, G., and Godby.)
Goddard, De Witt R., Riverhead, N. Y., assignor to Radio Corporation of America. Crystal controlled oscillator. 2,041,408; May 19.
Goetzel, Ralph L. (See Haas, F. S., and Goetzel.)
Golden, Harry, assignor to Magna Products Corp., New York, N. Y. Flashlight holding device. 2,041,332; May 19.
Goldenberg, Louis, Brooklyn, N. Y. Permanent hair waving apparatus. 2,041,409; May 19.
Goldfield, Edwin R., Cleveland Heights, assignor to Waite & Bartlett X-Ray Manufacturing Company, Cleveland, Ohio. Fluid cooling system. 2,041,241; May 19.
Goldfield, Edwin R., University Heights, assignor to Waite & Bartlett X-Ray Mfg. Co., Inc., Cleveland, Ohio. Auxiliary counterbalance for extra capacity head. 2,041,242; May 19.
Goldstone, Benjamin, Long Beach, N. Y. Alarm apparatus. 2,041,540; May 19.
Good, John, Garden City, assignor to Automatic Motor Stop and Start, Inc., New York, N. Y. Automatic driving control. 2,041,541; May 19.
Goodman, Frank O., Chicago, Ill. Garage door. 2,041,410; May 19.
Goodman Manufacturing Company. (See Lindgren, Frank A., assignors.)
Goodman, William L., Chicago, Ill., assignor to Bear-Stewart Co. Frying and cooking apparatus. 2,041,175; May 19.
Gosher Manufacturing Company. (See Weaver, Earl L., assignor.)
Goss, James H., Lynn, Mass., assignor to General Electric Company. Jewel bearing. 2,041,601; May 19.
Goss, James H., and J. D. Snyder, Lewistown, Pa. Folding step for vehicles. 2,041,640; May 19.
Gottwald, Christian, Cleveland Heights, assignor to The Ric-wil Company, Cleveland, Ohio. Subterranean structure. 2,041,243; May 19.
Gould, Harry V., Bridgeport, Conn. Can opener. 2,041,288; May 19.
Government of The United States, represented by the Secretary of Commerce. (See Duncan, R., and Wilkinson, assignors.)
Govers, Frances ., Vincennes, Ind., assignor to Indian Refining Company, Lawrenceville, Ill. Recovery and purification of lubricating oils from mineral oils. 2,041,677; May 19.
Gragg, Herbert E., Kansas City, Mo. Stenciling tape. 2,040,988; May 19.
Grasso, Santi, Philadelphia, Pa. Hair waving device. 2,041,641; May 19.
Gray, Frank, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Television. 2,041,127; May 19.
Green Bay Drop Forge Company. (See Van Laanen, Francis J., Jr., assignor.)
Green, Clarence J., assignor to Norton Company, Worcester, Mass. Cam grinding apparatus. 2,041,244; May 19.
Green, Ellis, Tulsa, Okla., assignor of one-half to S. R. Lorraine, San Marino, and one-half to W. T. Lundquist, Los Angeles, Calif. Bit cleaner. 2,041,467; May 19.
Green, James W., Jr., Gloversville, N. Y. Glove. 2,040,989; May 19.
Gribble, Clerc A., Minneapolis, Minn. Apparatus for removing candle wax from holders. 2,041,542; May 19.
Griffin, James H., St. Helens, assignor to Pilkington Brothers Limited, Liverpool, England. Glass grinding apparatus. 2,041,642; May 19.
Griffing, Herbert J. (See Belden, A. G., and Griffing.)
Grigsby, Albert R. (See Brown, H., and Grigsby.)
Grommesch, Katherine H. (See Brown, Newman T., assignor.)
Gross, William H. (See Gann, J. A., and Gross.)
Grozier, Thomas H., Sydney, New South Wales, Australia. Web controller. 2,041,602; May 19.
Grubbs, Hayward I., El Monte, Calif. Fuel pump. 2,041,468; May 19.
Grube, Donald E. (See Lauck, A. G., and Grube.)
Gruber, Herbert, and W. Rohn, assignors to Heraeus-Vacuumschmelze A. G., Hanau-on-the-Main, Germany. Apparatus for producing carbon-free metals, alloys, and the like. 2,041,333; May 19.
Guarnaschelli, Stephen, Brooklyn, assignor to Backless Metal Products Corporation, New York, N. Y. Flexible tubing. 2,041,543; May 19.
Gunn, Gilbert, Polleksbaws, Scotland, assignor to Celcure Corporation of America, Worcester, Mass. Wood treating preparation. 2,041,655; May 19.

Guthappel, Minerva L. (See Kang, Young S., assignor.)
Haas, Emil F., Kansas City, Mo. Tamping and stoking attachment for tobacco pipes. 2,041,469; May 19.
Haas, Frederick S., Cincinnati, and R. L. Goetzel, Norwood, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Hydraulic control mechanism. 2,040,990; May 19.
Haffcke, Philip M., Dobbs Ferry, assignor to Radio Research Laboratories, Inc., New York, N. Y. Wave signaling method and apparatus. 2,041,245; May 19.
Hage, Louis, San Jose, Calif. Cane or walking stick. 2,041,334; May 19.
Hake, Donald S. (See Kinzie, C. J., and Hake.)
Hale, Lloyd, assignor to G. H. Tennant Company, Minneapolis, Minn. Bottle crate. 2,041,062; May 19.
Hale, Lloyd, assignor to G. H. Tennant Company, Minneapolis, Minn. Bottle crate. 2,041,063; May 19.
Hall, Charles L., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener secured installation and fastener member therefor. 2,041,335; May 19.
Hall, Charles L., Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass. Fastener secured installation and fastener member therefor. 2,041,336; May 19.
Hall, Lyle A. (See Mason, Gilmore, assignor.)
Hallot, Paul, Paris, France. Automatic brake for railway trains. 2,041,603; May 19.
Hammond, Elmer H., Mill Hill, Southport, assignor to Consolidated Ashcroft Hancock Company, Inc., Bridgeport, Conn. Temperature control apparatus. 2,041,544; May 19.
Hanney, Angus F., assignor to The American Laundry Machinery Company, Norwood, Ohio. Press control mechanism. 2,040,991; May 19.
Hansen, Edmund H., Los Angeles, Calif. Volume control means for variable density sound recording. 2,041,470; May 19.
Herbert, Victor H., assignor to Illinois Railway Equipment Company, Chicago, Ill. Wear receiving element for brake heads. 2,041,064; May 19.
Harper, Elmer E., Kansas City, Mo. Material feeding and measuring apparatus. 2,041,604; May 19.
Harper, Joseph W. (See Frank, W. H., and Harper.)
Harrington, Edward A., trustee. (See Thomas, Victor W., assignor.)
Harrington, Shirley, et al. (See Jaques, Fernando O., assignor.)
Harris, Warren B., Millbury, Mass. Flexible connection. 2,040,992; May 19.
Harrison, Horace L., New York, N. Y. Machine for treating pipe and pipe lines. 2,041,337; May 19.
Harrison, Paul E., Dover, N. H. Continuous rayon spinning and processing machine. 2,041,338; May 19.
Hart, George H., West Hartford, Conn. Thermostatic switch. 2,041,246; May 19.
Hart, Harold L., River Forest, assignor to Electric Household Utilities Corporation, Chicago, Ill. Ironing machine. 2,040,986; May 19.
Hart, Montie M., Buena Park, Calif. Automatic machine aligning mechanism. 2,041,339; May 19.
Hartford-Empire Company. (See Bates, Lloyd G., assignor.)
Hartford, Frank M., Columbus, Ohio. Ware carrier for continuous kilns. 2,041,176; May 19.
Hartley, Emmett C., Oak Park, assignor to Addressograph Company, Wilmington, Del. Printing machine. 2,041,183; May 19.
Hartman, William W., Los Angeles, Calif. Knife grinder. 2,041,340; May 19.
Hars, Hermann, Berlin-Siemensstadt, Germany, assignor to Radio Patents Corporation, New York, N. Y. Voltage regulator. 2,041,177; May 19.
Hasbrouck, Louis B., assignor to Eclipse Textile Devices, Inc., Elmira, N. Y. Apparatus for dyeing loose textile materials. 2,041,471; May 19.
Haselwood, Willis E. (See Schellenger, N. C., and Haselwood.)
Hauck Manufacturing Company. (See Schumann, Alfred F., assignor.)
Haught, John W., Arlington, N. J., and E. Rodman, Marshallton, assignors to Dupont Viscoloid Company, Wilmington, Del. Laminated article and manufacture of same. 2,040,937; May 19.
Hazeltine Corporation. (See Johnson, John K., assignor.)
Hazeltine Corporation. (See Wheeler, Harold A., assignor.)
Heater, Albert W. (See Follett, E. C., and Heater.)
Heilweil, Samuel, assignor of one-third to I. Wasserberg, and one-third to S. Wolinsky, New York, N. Y. Magazine brush. 2,041,605; May 19.
Heim, Daniel C., Sunbury, assignor to A. B. Farquhar Co., Limited, York, Pa. Apparatus for treating plants for parasites. 2,040,845; May 19.
Heinzel, Albert. (See Schlecht, L., and Heinzel.)
Hemperly, Hugh. (See Wright, H., and Hemperly.)
Hemphill, Stanley R., Seattle, Wash. Locking device. 2,041,065; May 19.
Hendrickson, Leonard J., Mansfield, Ill. Apparatus for delivering train orders. 2,041,247; May 19.
Henriksen, Alfred. (See Lincoln, B. H., and Henriksen.)
Henry, Ferdinand G., Moline, Ill., assignor to International Communications Laboratories, Inc., Newark, N. J. Copy conveyer. 2,041,411; May 19.
Hepburn, William M., Ottawa Hills, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio. Heat treating furnace. 2,041,341; May 19.
Heraeus-Vacuumschmelze A. G. (See Gruber, H., and Rohn, assignors.)
Herrick, Henry N. (See Gates, L. G., Herrick, Cavins, and Postlewaite.)
Hesselman, Knut J. E., Saltsjo-Storangen, Sweden. Fuel injection system for internal combustion engines. 2,040,846; May 19.
Hesselman, Knut J. E., Saltsjo-Storangen, Sweden. Fuel pump for internal combustion engines. 2,040,847; May 19.
Heussner, Carl E., assignor to Chrysler Corporation, Detroit, Mich. Corrosion resisting coating. 2,041,545; May 19.
Hewett, Louis E., Brooklyn, assignor to Ultimate Paving Block Corporation of America, New York, N. Y. Block mold. 2,041,289; May 19.
Hewson, Arthur, Grimsby, Ontario, Canada. Basket construction. 2,040,993; May 19.
Higbee, James F., Detroit, Mich. Garden tool. 2,041,179; May 19.
Hight, Franklin R., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Making wheels. 2,041,656; May 19.
Hight, Franklin R., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Making spoked wheels. 2,041,657; May 19.
Highway Trailer Company. (See Williams, Leroy E., assignor.)
Hillyard, Newton S., St. Joseph, Mo. Stop signal. 2,041,178; May 19.
Hirche, Willy, Leopoldshain, near Gorlitz, Germany. Refrigerant compressor. 2,041,128; May 19.
Hirsch, Louis, Textile Machines, Inc. (See Hirsch, Louis, assignor.)
Hirsch, Louis, Weehawken, N. J., assignor to Louis Hirsch Textile Machines, Inc., New York, N. Y. Knitting method and mechanism. 2,040,938; May 19.
Hirschauer, Joseph, Sioux City, assignor of one-twentieth to H. M. Larson, Alta, Iowa. Golf game. 2,041,678; May 19.
Hirschhorn, Louis, New York, N. Y. Acetyl salicylic acid solution and producing the same. 2,040,848; May 19.
Hoak, Clarence B., Steubenville, Ohio. Annealing furnace. 2,040,994; May 19.
Hodge, Arthur J., Lomita, and J. D. Spalding, Los Angeles, Calif., assignors, by mesne assignments, to The National Superior Company, Toledo, Ohio. Rotary machine. 2,041,180; May 19.
Hodge, William B., Charlotte, N. C., assignor to Parks-Cramer Company, Fitchburg, Mass. Hygroscopic controlling mechanism for an electric circuit. 2,041,658; May 19.
Hodgins, William R., assignor of one-half to B. E. Collier, Grand Rapids, Mich. Building construction. 2,041,546; May 19.
Hoeme, Fred W. (See Noell, I. H., and Hoeme.)
Hoffman, Charles, Crestwood, assignor to Ward Baking Company, New York, N. Y. Manufacture of cereal products. 2,041,129; May 19.
Hofmann, Alfred, Palisade, assignors to A. Hofmann Needle Works, Inc., Union City, N. J. Method and machine for making knitting needles. 2,041,547; May 19.
Hofmann, Alfred, Needle Works, Inc. (See Hofmann, Alfred, assignor.)
Hofmann, William, New York, N. Y. Separable fastener. 2,041,606; May 19.
Hogenbirk, Nicholas, Chicago, Ill., assignor to The Electric Auto-Lite Company, Toledo, Ohio. Time indicating mechanism. 2,041,342; May 19.
Holland Brass Works, Inc. (See Liska, William F., assignor.)
Holland-Letz, John, Crown Point, Ind., assignor to The Letz Manufacturing Company. Feed grinder and blower. 2,041,181; May 19.
Holloway, Isaiah S. (See Moore, L., and Holloway.)
Holmberg, Anders, assignor to H. G. Torulf, Stockholm, Sweden. Sintering and roasting ores and the like. 2,041,472; May 19.
Holslag, Claude J., South Orange, N. J., assignor, by mesne assignments, to president and directors of The Manhattan Company, New York, N. Y. Changing the grain structure of metals. 2,041,343; May 19.
Holt, Harold S., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Monocarboxylic acid esters and their production. 2,040,849; May 19.
Holt, Laurence B. (See Marshall, E. W., and Holt.)
Holt, William A., Mebane, N. C. Bottom frame for spring beds. 2,040,995; May 19.
Holtzman, Abraham M., Brooklyn, N. Y. Package for cigarettes or cigars and matches. 2,041,548; May 19.
Homrichous, John H., Oak Park, Ill. Lighting system. 2,041,412; May 19.
Hooker Glass & Paint Mfg. Co. (See Thomas, John E., assignor.)
Hookless Fastener Company. (See Reuter, William J., assignor.)

Hookless Fastener Company. (See Sundback, Gideon, assignor.)
Hopkins, Wiley O., Primghar, Iowa. Electric railway. 2,041,607; May 19.
Hopper, Basil. (See Aldridge, B. G., and Hopper.)
Hovey, Almon G., assignor to H. Reichhold, doing business as Reichhold Chemicals, Detroit, Mich. Condensation product and making the same. 2,041,248; May 19.
Howard, Priscilla, Alameda, Calif. Breast supporter. 2,041,066; May 19.
Hubbard, Beverly R., Melrose, assignor to Submarine Signal Company, Boston, Mass. Method and apparatus for the determination of direction of a source of wave energy. 2,040,850; May 19.
Huck, Louis C., Buchanan, assignor to Huxon Holding Corporation, Detroit, Mich. Making rivets. 2,040,939; May 19.
Huet, Albert, Jamlonix, Belgium. Voltage regulator. 2,041,643; May 19.
Huey, Richard K. (See Moss, Cleveland O., assignor.)
Hughes-Mitchell Processes Incorporated. (See Mitchell, H. A., and Sessions, assignors.)
Hume, Horace D., and J. E. Love, assignors to Hume-Love Company, Garfield, Wash. Harvester. 2,041,182; May 19.
Hume-Love Company. (See Hume, H. D., and Love, assignors.)
Humphreys, Charles H., Carlton, Bedford, England. Mechanism for selecting and operating any desired one of a plurality of rods or the like. 2,041,608; May 19.
Mungerford, Warren H., Chicago, Ill. Baking pan. 2,040,996; May 19.
Hunt, Franklin B., assignor to The Liquid Carbonic Corporation, Chicago, Ill. Compressor. 2,041,659; May 19.
Hurd, Loren C., Madison, Wis., assignor to Wisconsin Alumni Research Foundation. Toxic antifouling material. 2,041,130; May 19.
Huxon Holding Corporation. (See Huck, Louis C., assignor.)
Hydraulic Press Corporation, The. (See Ernst, Walter, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Daimler, Karl, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Gehrke, W., and Strohmenger, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Orthner, L., and Meyer, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Schlecht, L., and Heinzel, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Voss, A., and Dickhäuser, assignors.)
Illinois Railway Equipment Company. (See Harbert, Victor H., assignor.)
Illinois Tool Works. (See Olson, Carl G., assignor.)
Indahl, Marie R., New York, N. Y. Hair curler. 2,041,413; May 19.
Indian Refining Company. (See Govers, Francis X., assignor.)
Ingersoll Milling Machine Company, The. (See Oberhoffken, Alexander, assignor.)
Inman, Harry A., Newark, N. Y. Carton. 2,041,609; May 19.
Instanta Electric Limited. (See Clayton, Gerard C. H., assignor.)
Insulite Company, The. (See Ellis, George H., assignor.)
International Cement Corporation. (See Norvig, Johan, assignor.)
International Communications Laboratories, Inc. (See Henry, Ferdinand G., assignor.)
International Motor Company. (See Loeffler, Bruno, assignor.)
International Paper Company. (See Lang, Frank J., assignor.)
International Paper Company. (See Scholl, A. A., and Novick, assignors.)
Isenbour, Lloyd L., assignor to The Quaker Oats Company, Chicago, Ill. Production of furoic acid. 2,041,184; May 19.
Jackson, William P., Chico, Calif. Agglutinating test plate. 2,041,290; May 19.
Jacobs, Ferdinand. (See Shiraeff, D. A., and Jacobs.)
Jacobs, Reed E., Hayward, assignor of forty per cent to M. M. Bolton, Oakland, Calif. Dispensing container. 2,041,185; May 19.
Jacobson, Peter G., Chicago, Ill. Electrostatic condenser. 2,041,186; May 19.
Jaeger, Albin, Brooklyn, N. Y. Alarm device. 2,041,549; May 19.
Jaeger, Gustav, Neu-Isenburg in Hesse, Germany. Process for the preparation of metallic beryllium by electrolysis. 2,041,131; May 19.
James, Jenkins O., Rome, N. Y. Continuous Electrical wall socket. 2,041,344; May 19.
Janda, Jeannette H., Omaha, Nebr. Sanitary toilet. 2,041,187; May 19.
Janota, Joseph, Jr., Chicago Heights, assignor to Victor Chemical Works, Chicago, Ill. Dentifrice polishing base. 2,041,478; May 19.
Jaques, Fernando O., Providence, assignor to The Central Tool Company, Auburn, R. I. Making a tool. 2,041,345; May 19.
Jaques, Fernando O., Providence, assignor of one-fourth to L. S. Moulthrop, Cranston, and S. Harrington, Barington, R. I. Making an abrasive cutting tool. 2,041,346; May 19.
Jaques, Fernando O., Providence, assignor of one-half to L. S. Moulthrop, Cranston, R. I. Cutting tool and making the same. 2,041,347; May 19.
Jaxheimer, William H. (See Drum, G. E., and Jaxheimer.)
Johannessen, Vaughn L., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing apparatus. 2,041,067; May 19.
Johns-Manville Corporation. (See Badollet, Marion S., assignor.)
Johnson, Austin C., and T. M. Wroble, Chicago, Ill. Stamp support and pad. 2,040,940; May 19.
Johnson, Benjamin, New Suffolk, N. Y. Folding fishing line drier. 2,041,249; May 19.
Johnson, Charles J., Chicago, Ill. Bunsen burner. 2,041,348; May 19.
Johnson, Frank W., Pennsgrove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Esters of boric acid. 2,040,997; May 19.
Johnson, Gustaf A., New Bedford, Mass. Electric switch. 2,041,414; May 19.
Johnson, Herbert C., Chicago, Ill. Emulsifying device. 2,041,068; May 19.
Johnson, Howard F., assignor to The Champion Machine and Forging Company, Cleveland, Ohio. Pipe coupling. 2,041,132; May 19.
Johnson, John A., Woodhaven, N. Y. Feeding means for receptacle closure caps. 2,040,851; May 19.
Johnson, John K., Rye, N. Y., assignor to Hazeltine Corporation. Detector circuit. 2,041,291; May 19.
Johnson, L. E. et al. (See Ridley, Ralph M., assignor.)
Johnson, Louis J., Whittemore, Mich. Receptacle. 2,041,349; May 19.
Johnson, Marvin O., assignor to Koehring Company, Milwaukee, Wis. Mechanical puddler. 2,041,350; May 19.
Johnson, Paul A., Grand Haven, Mich. Ground key valve. 2,041,415; May 19.
Johnson, Roy W., Milwaukee, Wis. Solenoid valve. 2,041,416; May 19.
Johnson, William G., Milwaukee, Wis. Pulverizer. 2,041,188; May 19.
Jonas, Frank D. (See Wood, S. A., and Jonas.)
Jones, Ernest R., Bromsgrove, A. B. Denton, Wollaston, Stourbridge, and J. A. Coombs, London, England, assignors to Activated Sludge Incorporated, Chicago, Ill. Fluid treatment apparatus. 2,040,941; May 19.
Jones, Frances E. and F. D. Helena, Mont. Toy corner block construction. 2,041,069; May 19.
Jones, Francis D. (See Jones, Frances E. and F. D.)
Jones, Harold D., Payson, Utah. Theftproof gas tank. 2,041,070; May 19.
Jones Metal Products Company, The. (See McKay, John A., assignor.)
Jones, Walter L., Kenmode, assignor of one-half to William H., Nugent, Buffalo, N. Y. Closure for collapsible tubes. 2,041,351; May 19.
Jonnart, André, Charleroi, Belgium. Selective protection of electric distributing networks having an insulated neutral point. 2,041,644; May 19.
Jordan, Richard H., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electrical heating unit. 2,041,353; May 19.
Joy, Joseph F., Marion, Ohio, assignor to Sullivan Machinery Company, Chicago, Ill. Manufacture and rebuilding of cutter chains. 2,040,852; May 19.
Jump, Eldo M., Toledo, Ohio. Printed sheet drier. 2,040,998; May 19.
Kallo, Inc. (See Verbeek, Arnold F., assignor.)
Kalwitz, Herman C., Park Ridge, Ill. Switch. 2,041,250; May 19.
Kang, Young S., Chicago, assignor to Minerva L. Guthapfel, sole proprietor of Sugar-Less Candy Company, Evanston, Ill. Food product and process. 2,040,948; May 19.
Kaplan, Philip, Lowell, Mass. Knitting machine. 2,041,417; May 19.
Karlberg, Axel O. A., assignor to Sulloway Page Company, Franklin, N. H. Presser mechanism for spring needle knitting machines. 2,041,133; May 19.
Kassler, Jeanette S. (See Kassler, Louis, assignor.)
Kassler, Louis, assignor to J. S. Kassler, New York, N. Y. Speed measuring apparatus. 2,041,184; May 19.
Katenkamp, Charles J., Arlington, N. J. Sun bath seat. 2,040,942; May 19.
Katz, Morris, Bronx, N. Y. Cellulose cord. 2,041,418; May 19.
Kauffman, Charles A., and H. W. Davidson, Pittsburgh, Pa. Window screen shade and ventilator. 2,040,853; May 19.
Kaufman, Alfonse, Long Beach, assignor to Biolite, Incorporated, New York, N. Y. Illuminated sign. 2,041,135; May 19.
Kawneer Company, The. (See Milligan, Walter, assignor.)
Kawneer Company, The. (See Plym, Francis J., assignor.)
Keating, William A., and W. D. Kinsell, assignors to Federal Electric Company, Inc., Chicago, Ill. Illuminated sign. 2,041,189; May 19.

Keegan, Joseph, and T. Wadge, Winnipeg, Manitoba, Canada. Hot water heater. 2,041,071; May 19.
Kelley, Lloyd A., assignor to The Conklin Pen Company, Toledo, Ohio. Fountain pen. 2,040,999; May 19.
Kemp, Paul. (See Feuer, E., and Kemp.)
Kemp, William J., Deptford, London, England. Wrapping for block shaped articles. 2,041,679; May 19.
Kenney, Mahlon W., Chicago, and A. R. Constantine, River Forest, Ill., assignors to General Household Utilities Company, Chicago, Ill. Shockless mounting. 2,041,353; May 19.
Kestenman Bros. Mfg. Co. (See Kestenman, Charles H., assignor.)
Kestenman, Charles H., assignor to Kestenman Bros. Mfg. Co., Providence, R. I. Terminal-clasp or connecter. 2,041,354; May 19.
Kestle, Robert C. (See Brown, B. A., Kindl, and Kestle.)
Keuffel & Esser Co. (See Neumayer, Eduard, assignor.)
Kidde, Walter, & Company. (See Mapes, Daniel, assignor.)
Kilifer, Manufacturing Corporation. (See Sjogren, O. W., Mitchell, Vaughn, and Skinn, assignors.)
Killian, Thomas J., assignor to Luminous Tube Lighting Corporation, Seattle, Wash. Ionic discharge tube. 2,041,610; May 19.
King, Reginald W., Boston, Mass. Plug fuse. 2,041,000; May 19.
Kinnear Manufacturing Company, The. (See Rush, Albert, assignor.)
Kinsell, William D. (See Keating, W. A., and Kinsell.)
Kinzie, Charles J., and D. S. Hake, Niagara Falls, assignors to The Titanium Alloy Manufacturing Company, New York, N. Y. Titanium compound and methods of making. 2,040,854; May 19.
Kirk, Ernest W. (See Ellis, G. H., and Kirk.)
Kirschbraun, Lester, New York, N. Y., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass. Apparatus for making roofing. 2,041,419; May 19.
Kirschmann, Leopold, Berlin-Halensee, Germany. Adjustable and clampable stand for electric lamps and for displaying articles. 2,041,474; May 19.
Klein, George, Dearborn, Mich. Shaving tool holder. 2,041,251; May 19.
Klemin, Alexander, New York, N. Y. Game apparatus. 2,040,855; May 19.
Kliesrath, Victor W., assignor, by mesne assignments, to Bragg-Kliesrath Corporation, South Bend, Ind. Clutch control mechanism. 2,041,475; May 19.
Klingner, Adolph F., Hellertown, Pa., assignor to Edison-Splitdorf Corporation, West Orange, N. J. Spark plug gasket. 2,041,136; May 19.
Knapp-Monarch Company. (See Fischer, William H., assignor.)
Knapp-Monarch Company. (See Smith, John E., assignor.)
Kniepkamp, Heinrich, Berlin-Pankow, assignor to Siemens & Halske Aktiengesellschaft, Berlin-Siemensstadt, Germany. Electron discharge device. 2,041,292; May 19.
Knoche, Joseph. (See Chase, C. B., and Knoche, assignor.)
Knowlton, Daniel E., assignor to Buffalo Cold Storage Company, Buffalo, N. Y. Spraying cabinet. 2,041,001; May 19.
Koeberle, Karl. (See Kunz, M. A., and Koeberle.)
Koehring Company. (See Johnson, Marvin O., assignor.)
Koester, John P. Piqua, Ohio. Papermaker's felt. 2,041,137; May 19.
Koether, Emil A., assignor to The Bartlett Hayward Company, Baltimore, Md. Apparatus for expanding pistons. 2,041,355; May 19.
Kollath, Bernard. (See Sundt, E. V., and Kollath.)
Kollsman, Paul, New York, N. Y. Magnetic compass. 2,041,072; May 19.
Konrad, Erich. (See Zeh, L., and Konrad.)
Koon, Austin E., Gainsville, Tex. Washing machine. 2,041,293; May 19.
Koppers Company of Delaware, The. (See Butterworth, C. E., and Schwab, assignor.)
Koppers Company of Delaware, The. (See Van Ackeren, Paul, assignor.)
Kotelevtseff, Serge G., New York, N. Y. Adjustable propeller. 2,041,611; May 19.
Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Making resilient matting. 2,041,356; May 19.
Kraft, Herman T., assignor to The General Tire & Rubber Company, Akron, Ohio. Making nonmetallic containers. 2,041,357; May 19.
Kreuzer, Paul F., Lakewood, and C. F. Schultis, assignors to The Royal Brass Manufacturing Company, Cleveland, Ohio. Diverter valve. 2,041,002; May 19.
Kriechbaum, John P., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Thermostatic switching mechanism. 2,041,645; May 19.
Krum, Howard L., Kenilworth, and W. J. Zenner, Des Plaines, assignors to Teletype Corporation, Chicago, Ill. Tape advancing device. 2,040,856; May 19.
Krzikalla, Hans, and W. Limbacher, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the anthraquinone series. 2,041,550; May 19.
Kuhlke, Donald D., Akron, Ohio. Dispenser and making the same. 2,041,190; May 19.
Kunkle, Bayard D., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Lubricating system. 2,041,191; May 19.
Kunz, Max A., Mannheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Acylamino derivatives of the anthrapyrimidine series. 2,040,857; May 19.
Kunz, Max A., Mannheim, and K. Koeberle, Ludwigshafen-on-the-Rheine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of anthrapyrimidines. 2,040,858; May 19.
Kunz, Max A., Mannheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Compounds of the anthrapyrimidine series. 2,040,859; May 19.
Kunz, Max A., Mannheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Production of anthrapyrimidines. 2,040,860; May 19.
Kunz, Max A., Mannheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Anthrapyrimidines and their production. 2,040,861; May 19.
Kunz, Max A., Mannheim, and K. Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Compounds of the anthrapyrimidine series. 2,040,862; May 19.
La Brie, Ludger E., South Bend, Ind. Internal combustion tion engine. 2,041,073; May 19.
La Brie, Ludger E., South Bend, Ind. Internal combustion engine. 2,041,074; May 19.
La Brie, Ludger E., assignor to Bendix Brake Company, South Bend, Ind. Brake. 2,041,476; May 19.
Lack, Arnold, assignor to H. H. Shockey, Chicago, Ill. Lubricating and cooling system. 2,041,192; May 19.
Land, Edwin H., Wellesley Farms, Mass., assignor to Sheet Polarizer Company, Inc., Union City, N. J. Forming improved light polarizing bodies. 2,041,138; May 19.
Lang, Frank J., Niagara Falls, assignor to International Paper Company, New York, N. Y. Making paper. 2,041,294; May 19.
Lapointe, Francis J., Ann Arbor, Mich. Surface broach. 2,041,551; May 19.
Larsen, Axel, Aalborg, Denmark, assignor to F. I. Smidth & Co., New York, N. Y. Separation of dust from gases. 2,041,553; May 19.
Larson, Algot, assignor to Unique Balance Company, New York, N. Y. Window sash balance. 2,041,646; May 19.
Larson, Hilda M. (See Hirschauer, Joseph, assignor.)
Laskin, Jacob E., Shaker Heights, Ohio. Call recording apparatus for telephones. 2,041,554; May 19.
Lauck, Albert G., and D. E. Grube, Alton, Ill., assignors to Owens-Illinois Glass Company, Glassware forming machine. 2,041,552; May 19.
Lavallee, Alphonse. (See Lepp, Charles H., assignor.)
Lazier, Wilbur A., Marshallton, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing polyhydroxy alcohols. 2,040,944; May 19.
Leahy, Daniel E., San Francisco, Calif. Razor blade holder. 2,041,003; May 19.
Lee, Roger K., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Combination fan and vibration damper. 2,041,555; May 19.
Lee, Roger K., assignor to Chrysler Corporation, Detroit, Mich. Vibration dampener. 2,041,556; May 19.
Lee, William M., assignor to The Sharples Solvents Corporation, Philadelphia, Pa. Esterification of olefines. 2,041,193; May 19.
Lehigh University. (See Seyfert, Stanley S., assignor.)
Leitz, Ernst, G. m. b. H. (See Barnack, Oskar, assignor.)
Leitz, Ernst, Optische Werke. (See Barnack, Oskar, assignor.)
Lemmon, John E., St. Albans, assignor to J. R. Wood & Sons, Inc., Brooklyn, N. Y. Mounting for rings. 2,041,075; May 19.
Le Moon, Axel R., assignor to Nelson-Lemoon Truck Co., Chicago, Ill. Vehicle axle aligner. 2,041,660; May 19.
Leonard, Guy, Baltimore, Md. Closure device. 2,041,252; May 19.
Lepp, Charles H., Albany, assignor of one-third to A. Lavallee, Watervliet, N. Y. Safety release mechanism for firearms. 2,041,661; May 19.
Letz Manufacturing Company, The. (See Holland-Letz, John, assignor.)
Leuschner, Harry O., Flint, assignor to General Motors Corporation, Detroit, Mich. Priming device. 2,040,945; May 19.
Leussler, Emil, Nuremberg, Germany. Cartridge shell. 2,041,253; May 19.
Levan, John F., assignor to Excel Curtain Company, Elkhart, Ind. Forming frame members with metal veneer facing strips. 2,041,004; May 19.
Leventry, Roy L., assignor to The Republic Steel Corporation, Youngstown, Ohio. Metallurgical furnace. 2,041,612; May 19.
Liberty Can and Sign Company. (See Rueger, Herman W., assignor.)
Lidberg, John A., and A. S. Chandler, assignors to The Brown Bag Filling Machine Company, Fitchburg, Mass. Orientating and carton feeding device. 2,041,358; May 19.
Liengme, George, Cormoret, Switzerland. Timepiece. 2,041,557; May 19.

Limbacher, Walter. (See Krzikalla, H., and Limbacher.)
Lincks, George F., Pittsfield, Mass., assignor to General Electric Company. Terminal clamp. 2,041,613; May 19.
Lincoln, Bert H., and A. Henriksen, assignors to Continental Oil Company, Ponca City, Okla. Penetrating oil. 2,041,076; May 19.
Lindenberg, Theodore, Columbus, Ohio. Theater building. 2,041,194; May 19.
Lindenberg, Theodore and T., Jr., Columbus, Ohio. Light projecting system. 2,041,195; May 19.
Lindenberg, Theodore, Jr. (See Lindenberg, Theodore and T., Jr.)
Lindgren, Frank A., Western Springs, assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 2,041,420; May 19.
Lindsay, Charles M., Washington, D. C. Electrical testing device. 2,041,614; May 19.
Lininger, Alfred M., Englewood, Colo. Protector for dental drill hand pieces. 2,041,077; May 19.
Lipshutz, Anna, Paterson, N. J. Glove. 2,041,254; May 19.
Liquid Carbonic Corporation, The. (See Hunt, Franklin B., assignor.)
Liska, William F., assignor to Holland Brass Works, Inc., Chicago, Ill. Folding prie-dieu. 2,041,196; May 19.
Littleford Brothers. (See Littleford, John S., Jr., assignor.)
Littleford, John S., Jr., assignor to Littleford Brothers, Cincinnati, Ohio. Asphalt heater. 2,041,359; May 19.
Loeffler, Bruno, Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Head for internal combustion engines. 2,041,078; May 19.
Loehde, George R., Chicago, Ill. Seal. 2,041,421; May 19.
Long, Leland E. (See Floyd, J. M., Long, Nash, and Dibble.)
Loose Leaf Metals Company. (See Newman, George W., assignor.)
L'Orange, Rudolf, Stuttgart-Teuerbach, Germany. Fuel pump for internal combustion engines. 2,041,422; May 19.
Lorenz, C., Aktiengesellschaft. (See Scheppmann, Wilhelm, assignor.)
Lorraine, Sara R. (See Green, Ellis, assignor.)
Los Angeles Engraving Company. (See Benson, Charles E., assignor.)
Love, James E. (See Hume, H. D., and Love.)
Ludwig, Louis, Brooklyn, N. Y. Fuse plug. 2,041,295; May 19.
Luminous Tube Lighting Corporation. (See Killian, Thomas J., assignor.)
Lundie Engineering Corporation, The. (See Armstrong, Levi B., assignor.)
Lund, Albert A., Port Washington, N. Y., assignor to California Fruit Growers Exchange, Los Angeles, Calif. Method of inducing crystallization. 2,041,197; May 19.
Lundquist, Walter T., et al. (See Green, Ellis, assignor.)
Lyle, Frederick W. Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Relay. 2,041,079; May 19.
Lynch, Harry B., McKeesport, Pa., assignor to The National Tube Company. Thread cleaning machine for pipes and tubes. 2,041,005; May 19.
Lyons, Frank H., Central, New Mexico, assignor to E. L. Bruce Company, Memphis, Tenn. Impregnating composition for wood and the like. 2,041,647; May 19.
Maccarone, Fred, and H. L. Sutcliffe, Brooklyn, assignors to The Del-Mac Shoe Process Corporation, New York, N. Y. Shoemaking method. 2,041,360; May 19.
MacDonald, Mayhew L., and A. Vida, assignors of one-third to G. S. MacGruer, San Francisco, Calif. Building material. 2,040,863; May 19.
MacGruer, George S. (See MacDonald, M. L., and Vida, assignors.)
Madden, Harry M. (See Stinsman, Edgar S., assignor.)
Madland, Gabriel, Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio. Metallic car door. 2,041,006; May 19.
Madland, Thorvald, Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio. Car door. 2,041,007 May 19.
Magna Products Corp. (See Golden, Harry, assignor.)
Manhattan Company, The, President and Directors of. (See Holsing, Claude J., assignor.)
Manning, Paul V. D. (See Chesney, H. H., Farnsworth, and Manning.)
Mantle Lamp Companyk of America, The. (See Reiss, Fred O., assignor.)
Mantz, Harold A., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Control device. 2,040,864; May 19.
Mapes, Daniel, Upper Montclair, assignor to Walter Kidde & Company, Inc., Bloomfield, N. J. Inflatable flotation device. 2,041,662; May 19.
Marburg, Edgar, Vandergrift, Pa., assignor to American Sheet and Tin Plate Company. Rolling metal. 2,041,255; May 19.
Marine Chemical Company. (See Chesny, Heinz H., assignor.)
Marine Chemicals Company. (See Chesney, H. H., Farnsworth, and Manning, assignors.)
Marinsky, Davis, Bronx, assignor to Whitehall Patents Corporation, New York, N. Y. Links of separable fasteners. 2,041,558; May 19.
Marks, Alexander A., Philadelphia, Pa. Control mechanism. 2,041,559; May 19.
Marshall, Ernest W., and L. B. Holt, Laconia, N. H., assignors to Scott & Williams, Incorporated, New York, N. Y. Knitting machine. 2,040,946; May 19.
Marston, Candace C., Bungay, England. Grain scouring and polishing machine. 2,041,361; May 19.
Marx, Erwin, Brunswick, Germany. Converting alternating current into direct current and vice versa. 2,041,663; May 19.
Marxman, Carl, Rochelle, Ill. Corn picker snapping roll. 2,041,139; May 19.
Maschinenfabrik Augsburg-Nurnberg A. G. (See Becker, Heinrich, assignor.)
Maslowski, John M., Chazy, N. Y. Adjustable seat. 2,041,615; May 19.
Mason, Gilmore, Yonkers, assignor of one-half to L. A. Hall, Scarsdale, N. Y. Steam control apparatus. 2,041,296; May 19.
Matte, Andrew L., Summit, N. J., assignor to American Telephone and Telegraph Company. Voltage measuring system. 2,041,008; May 19.
Matthews, Albert, assignor to American Laundry Machinery Company, Cincinnati, Ohio. Swinging buck press. 2,041,009; May 19.
Mauersberger, Ernst A., Maarssen, near Utrecht, Netherlands. Water soluble sulphonated condensation products. 2,041,560; May 19.
Mauersberger, Ernst A., Maarssen, near Utrecht, Netherlands. Manufacture of theobromine. 2,041,561; May 19.
Mausolf, George A., Waterbury, Conn. Soap bubble pipe. 2,041,423; May 19.
Mayer, Hans, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Four-wire system with echo suppressors. 2,041,562; May 19.
McBee Company, The. (See Nevin, Donald A., assignor.)
McCormick, Ralph D., Washington, D. C. Tabulating or accounting machine. 2,041,256; May 19.
McCormick, William K., Walkerville, and M. A. Stein, Windsor, Ontario, Canada. Pessary. 2,041,424; May 19.
McDiarmid, Thomas B., Melbourne, Victoria, Australia. Holder for sharpening razor blades. 2,041,010; May 19.
McGurn, William D. (See Blomgren, Henry E., assignor.)
McIlveney, Patrick, Devonport, Auckland, New Zealand. Safety device for electrical appliances. 2,041,362; May 19.
McKay, John A., Coshocton, assignor to The Jones Metal Products Company, West Lafayette, Ohio. Separable electric socket. 2,041,425; May 19.
McLaughlin, George E., Salem, Mass., assignor to The Turner Tanning Machinery Company, Portland, Maine. Machine for operating upon sheet material. 2,041,080; May 19.
McLean, William A., assignor to C. Schnackel's Son, Inc., Rochester, N. Y. Fluid pressure regulating valve. 2,041,198; May 19.
McManus, John H., Salem, Oreg. Milk bottle holder and lockbox. 2,041,257; May 19.
McNicoll, Andrew G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Electric clock thermostat. 2,041,363; May 19.
McVoy Engine Boiler Development Co. (See McVoy, Vincen P., assignor.)
McVoy, Vincen P., assignor to McVoy Engine Boiler Development Co., Inc., Mobile, Ala. Engine. 2,040,865; May 19.
McWilliams, Joseph E., New York, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 2,041,564; May 19.
Mechanical Handling Systems Incorporated. (See Francis, Lynn M., assignor.)
Meinecke, Christian W., East Orange, N. J., assignor to Meinecke & Company, New York, N. Y. Sanitary tumbler cover and coaster. 2,041,563; May 19.
Meinecke & Company. (See Meinecke, Christian W., assignor.)
Mendel, William, Beverly, and J. Titone, Riverbank, assignors to Neidich Cel-Lus-Tra Corporation, Burlington, N. J. Lockstitch knit fabric. 2,041,664; May 19.
Menzies, Walter R., Milwaukee, Wis. Rocket engine. 2,041,081; May 19.
Mewborne, Robert G., Albuquerque, N. Mex., assignor to Niagara Sprayer and Chemical Co., Inc., Middleport, N. Y. Drying tobacco for insecticidal purposes. 2,040,871; May 19.
Meyer, Albert R. (See Brasty, Joseph, assignor.)
Meyer, Eula M., and E. C. Duncan, Kansas City, Mo. Hair waving appliance. 2,041,426; May 19.
Meyer, Georg. (See Orthner, L., and Meyer.)
Meyer, George T., Milwaukee, Wis. Resilient tip for tapping rods. 2,041,427; May 19.
Miller, Bruce DeH., assignor to The Girdler Corporation, Louisville, Ky. Bent pipe. 2,041,199; May 19.
Miller, Max B., & Co. (See Tuttle, Malcolm H., assignor.)
Miller, Norman B., New York, N. Y. Packing. 2,041,565; May 19.
Miller, Samuel M. D., Detroit, Mich. Pedal attachment. 2,040,866; May 19.
Miller, Walter, assignor to Continental Oil Company, Ponca City, Okla. Removing corrosive substances from hydrocarbons. 2,041,364; May 19.

Miller, Wells W., et al. (See Berger, Paul, assignor.)
Milligan, Walter, assignor to The Kawneer Company, Niles, Mich. Bending tubing. 2,041,428; May 19.
Milwaukee Gas Specialty Company. (See Mantz, Harold A., assignor.)
Minneapolis-Honeywell Regulator Company. (See Cunningham, Lewis L., assignar.)
Minneapolis-Honeywell Regulator Company. (See Kriechbaum, John P., assignor.)
Minneapolis-Honeywell Regulator Company. (See McNicoll, Andrew G., assignor.)
Mischler, William N., Scotia, N. Y., assignor to General Electric Company. Thermostat. 2,041,566; May 19.
Mitchell, Archibald G. (See Clark, K., and Mitchell.)
Mitchell, Charles B., San Antonio, Tex. Air retaining means for refrigerators. 2,041,258; May 19.
Mitchell, Doren. (See Abraham, L. G., and Mitchell.)
Mitchell, Doren. (See Wright, S. B., and Mitchell.)
Mitchell, Ralph A., Edgeworth, and F. G. Tuerk, Coraopolis, Pa., assignors to Pittsburgh Forgings Company. Irregular bending apparatus. 2,041,365; May 19.
Mitchell, Rollie H. (See Sjogren, O. W., Mitchell, Vaughn, and Skinn.)
Mitchell, Thomas A., and R. L. Sessions, assignors, by mesne assignments, to Hughes-Mitchell Processes Incorporated, Denver, Colo. Treating zinc bearing ores and recovering zinc oxide therefrom. 2,040,867; May 19.
Mojonnier Bros. Co. (See Mojonnier, Oliver W. and H. G., assignors.)
Mojonnier, Harry G. (See Mojonnier, Oliver W. and H. G.)
Mojonnier, Oliver W., River Forest, and H. G. Mojonnier, Oak Park, Ill., assignors to Mojonnier Bros. Co. Heat exchanger. 2,040,947; May 19.
Money, Benjamin F., Tulsa, Okla. Nut lock. 2,041,477; May 19.
Moody, Kenneth M., Chicago, Ill. Tire inflator. 2,040,868; May 19.
Moore Brothers Company. (See Moore, L., and Holloway, assignors.)
Moore, Lewis, and I. S. Holloway, assignors to Moore Brothers Company, Joliet, Ill. Gas stove. 2,040,948; May 19.
Moore, Robson S., Great Neck, assignor to Columbia Ribbon & Carbon Manufacturing Company, Glen Cove, N. Y. Making metallic-coated membrane. 2,041,297; May 19.
Moore, Warren, Richmond, Va., assignor to Tobacco By-Products and Chemical Corporation, Louisville, Ky. Insecticide material and making the same. 2,041,298; May 19.
Moorhead, Albert E., assignor to Moorhead Development Co., Inc., Oakland, Calif. Floor treating mechanism. 2,041,140; May 19.
Moorhead Development Co. (See Moorhead, Albert E., assignor.)
Moran, Daniel J., and E. O. Bennett, assignors to Continental Oil Company, Ponca City, Okla. Fluid straining device. 2,041,366; May 19.
Morberg, Ivar A., Chicago, Ill., assignor to Western Electric Company, New York, N. Y. Thread cutting tool. 2,041,082; May 19.
Morehouse, Eugene, Providence, R. I., assignor to B. A. Ballou & Co., Inc. Safety catch. 2,041,367; May 19.
Moreno, Gabriel G., Los Angeles, Calif., assignor to C M C Corporation, New York, N. Y. Apparatus for advancing film. 2,041,011; May 19.
Morano, Gabriel G., Los Angeles, Calif., assignor to C M C Corporation, New York, N. Y. Lens mount. 2,041,012; May 19.
Morrison, Simon, New York, N. Y. Vanity case. 2,041,259; May 19.
Morrison, Simon, New York, N. Y. Vanity case. 2,041,260; May 19.
Morse, Sterne, Richmond Heights, Ohio. Heat distribution. 2,040,869; May 19.
Moss, Cleveland O., Drumright, assignor of one-half to R. K. Huey, Tulsa, Okla. Tubing plug valve. 2,041,508; May 19.
Moth King Corporation. (See Wade, Marion E., assignor.)
Moto-Mower Company, The. (See George, E. S., and Blydenburgh, assignors.)
Moultrop, Louis S., et al. (See Jaques, Fernando O., assignor.)
Moulton, Geo., Limited. (See Varley, G. P., and Clarke, assignors.)
Mox, George F. (See Russell, Charles E., assignor.)
Müller, Ferdinand C. (See Pilliod, T. J., and Müller.)
Murino, Matthew, and V. Petilli, New York, N. Y. Adjustable binder apparatus. 2,040,870; May 19.
Murray Corporation of America, The. (See Westrope, Fred J., assignor.)
Muse, Morris E., Sherburne, La. Weather stripping for doors. 2,041,261; May 19.
Myers, Louis A., Chicago, assignor to Myers Manufacturing Company, Galesburg, Ill. Disher. 2,041,200; May 19.
Myers Manufacturing Company. (See Myers, Louis, assignor.)
Myers, Oscar, Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,041,083; May 19.
Myers, Oscar, Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,041,084; May 19.
N. V. Philips' Gloeilampenfabrieken. (See Reerink, E. H., and de Boer, assignors.)
Napier, D., & Son Limited. (See Sewell, Charles W., assignor.)
Nardone, Romeo M., East Orange, N. J. Engine starting apparatus. 2,041,141; May 19.
Nash, John W. (See Floyd, J. M., Long, Nash, and Dibble.)
National Equipment Corporation. (See Poulter, John W., assignor.)
National Pigments & Chemical Company. (See O'Brien, Jolly W., assignor.)
National Pneumatic Company. (See Parvin, Edward G., assignor.)
National Superior Company, The. (See Hodge, A. J., and Spalding, assignors.)
National Tube Company, The. (See Lynch, Harry B., assignor.)
Neback, Maurice, Detroit, Mich. Palm shield. 2,041,201; May 19.
Neidich Cel-Lus-Tra Corporation. (See Mendel, W., and Titone, assignors.)
Nelson, Emil, West Brainerd, Minn. Engine piston. 2,041,567; May 19.
Nelson, Emil A., Detroit, Mich. Making wheels. 2,041,202; May 19.
Nelson-Lemoon Truck Co. (See LeMoon, Axel R., assignor.)
Ness, Elmer L., Minneapolis, Minn. Massaging and cleansing device for teeth and gums. 2,041,262; May 19.
Neumayer, Eduard, Pfronten-Ried, Germany, assignor to Keuffel & Esser Co., Hoboken, N. J. Bifurcated drawing instrument. 2,041,299; May 19.
Neva-Clog Products, Inc. (See Bunnell, Earl C., assignor.)
Nevin, Donald A., assignor to The McBee Company, Athens, Ohio. Key card punch. 2,041,085; May 19.
Newman, George W., St. Louis, Mo., assignor to Loose Leaf Metals Company. Binder bar and hinge lug therefor. 2,041,203; May 19.
Newman, William J., Chicago, Ill. Excavating material and machine therefor. 2,041,013; May 19.
New York Air Brake Company, The. (See Campbell, Charles A., assignor.)
Niagara Blower Company. (See Bright, G. B., and Olstad, assignors.)
Niagara Sprayer and Chemical Co. (See Mewborne, Robert G., assignor.)
Niederle, Max, Miami, Fla. Light or photo printing. 2,041,478; May 19.
Nirdlinger, Maximilian, Pittsburgh, Pa. Weed puller. 2,041,263; May 19.
Noble, F. H., & Co. (See Shields, John M., assignor.)
Noell, Isome H., and F. W. Hoeme, Hooker, Okla. Mobile ground working device. 2,041,616; May 19.
Norquist, Victor C. (See Bradley, R. A., and Norquist.)
North Shore Last Co. (See Dumas, Eugene J.)
Norton Company. (See Belden, A. G., and Grimm, assignors.)
Norton Company. (See Cole, Raymond A., assignor.)
Norton Company. (See Green, Clarence J., assignor.)
Norton Company. (See Silven, Herbert A., assignor.)
Norton Company. (See Van der Pyl, Edward, assignor.)
Norton, James P., assignor to Riley Stoker Corporation, Worcester, Mass. Automatic stoker. 2,041,204; May 19.
Norton, William W., San Francisco, Calif. Automatic lighter for gas furnaces and the like. 2,041,014; May 19.
Norvig, Johan, Hartsdale, assignor to International Cement Corporation, New York, N. Y. Production of cement. 2,041,142; May 19.
Novick, Abraham. (See Scholl, A. A., and Novick.)
Nugent, William H. (See Jones, Walter L., assignor.)
Oberhoffken, Alexander, assignor to Ingersoll Milling Machine Company, Rockford, Ill. Machine tool. 2,040,872; May 19.
O'Brien, Jolly W., Houston, Tex., assignor to National Pigments & Chemical Company, St. Louis, Mo. Boring wells in cavernous strata. 2,041,086; May 19.
O'Brient, Maud S., Durham, N. C. Automobile engine cranking mechanism. 2,041,479; May 19.
O'Byrne, Nathan W., Baldwin, Kans. Play pen. 2,041,509; May 19.
Ocasek, Edward, assignor to The Undertakers Supply Co., Chicago, Ill. Undertaker's operating table. 2,041,087; May 19.
Oexmann, Heinrich, Berlin, Germany. Carrier for magnetic recording. 2,041,480; May 19.
O'Hagan, Bernard E., assignor to The Union Switch & Signal Company, Swissvale, Pa. Electric control system. 2,041,368; May 19.
Ohio Brass Company, The. (See Birch, Leland W., assignor.)
O'Kane, Walter C., Durham, N. H. Emulsion. 2,041,264; May 19.
Oliver Farm Equipment Company. (See Altgelt, Rudolph J., assignor.)
Olpin, Henry C., and G. H. Ellis, Spondon, near Derby, England, assignors to Celanese Corporation of America, Degumming of silk. 2,040,949; May 19.
Olson, Carl G., assignor, by mesne assignments, to Illinois Tool Works, Chicago, Ill. Lock washer. 2,041,568; May 19.

Olson, John E., assignor to The Celon Company, Madison, Wis. Hydrated article and making. 2,041,143; May 19.
Olstad, Martin H. (See Bright, G. B., and Olstad.)
O'Neill, Joseph A., New York, N. Y. Talking picture record. 2,041,144; May 19.
Onorati, Umberto, Toledo, Ohio. Firearm. 2,041,015; May 19.
Orgeron, Justillion, Larose, La. Trap. 2,040,873; May 19.
Orthner, Ludwig, Leverkusen-I. G. Werk, and G. Meyer, Cologne-Mulheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Acylated polypeptides. 2,041,265; May 19.
Otar, John N., Santa Cruz, Calif. Ornamental article and fabricating the same. 2,041,481; May 19.
Outcault, Richard F., Flosamoor, Ill. Advertising device. 2,040,950; May 19.
Owens, Adolphus W. (See Chamberlin, J. A., and Owens.)
Owens-Illinois Glass Company. (See Allen, Russell G., assignor.)
Owens-Illinois Glass Company. (See Lauck, A. G., and Grube, assignors.)
Owens, Illinois Glass Company. (See Rule, John F., assignor.)
Oxford Filing Supply Co. (See Wood, S. A., and Jonas, assignors.)
Paasche, Jens A., Wilmette, Ill. Air painting device. 2,041,482; May 19.
Pack, Mendel N., Dayton, Ohio. Acoustic-tensiometer. 2,040,874; May 19.
Packless Metal Products Corporation. (See Guarnaschelli, Stephen, assignor.)
Paine, Clifford E., Chicago, Ill. Transmission device. 2,041,665; May 19.
Pannecoucke, Gregoire J., Detroit, Mich. Reenforced steering wheel. 2,041,205; May 19.
Pannecoucke, Gregoire J., Detroit, Mich. Forming handwheels. 2,041,206; May 19.
Parke, Davis & Company. (See von Roseuberg, Hilton O., assignor.)
Parks-Cramer Company. (See Hodge, William B., assignor.)
Parsons, Robert J., Schenectady, and J. W. Conway, Mechanicville, assignors to Consolidated Car-Heating Company, Inc., Albany, N. Y. Motor resistance heater. 2,040,951; May 19.
Parvin, Edward G., Roselle, N. J., assignor to National Pneumatic Company, New York, N. Y. Synchronous motor drive. 2,041,510; May 19.
Patent and Licensing Corporation, The. (See Kirschbraun, Lester, assignor.)
Paterson Parchment Paper Company. (See Bennett, Clarence G., assignor.)
Pearce, George C., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,041,511; May 19.
Pendry, William R., Shaker Heights, Ohio. Tar extractor. 2,041,016; May 19.
Pennington, Paul W., Lawrence, Kans. Book rack. 2,041,017; May 19.
Pennsylvania Coal Products Company. (See Burroughs, Samuel G., assignor.)
Pepper, Robert H., assignor of two-fifths to R. M. Costello, Miami, Fla. Combination reclining movable auto seat and bed. 2,041,648; May 19.
Perfect Manufacturing Company, The. (See Bollman, Roland R., assignor.)
Perfection Stove Company. (See Chadwick, Lee S., assignor.)
Perry, Edward D., Watertown, assignor to The Beardsley & Wolcott Manufacturing Company, Waterbury, Conn. Electric sadiron. 2,041,429; May 19.
Perry, Frank, New York, N. Y. Valve stem and handle locking means. 2,041,300; May 19.
Persons, Ralph C., Los Angeles, Calif. Electric soldering iron. 2,041,018; May 19.
Petersen, Roy S., San Antonio, Tex., assignor to Brassert-Tidewater Development Corporation, Chicago, Ill. Apparatus for the coking of bituminous or asphaltic liquids. 2,040,875; May 19.
Peterson, Harold O., Riverhead, N. Y., assignor to Radio Corporation of America. Directional receiver. 2,040,952; May 19.
Petilli, Vincent. (See Murino, M., and Petilli.)
Petterson, Leroy W., et al. (See Berger, Paul, assignor.)
Pfeiffer, Frank E. (See Pfeiffer, William C. and F. E.)
Pfeiffer, William C., assignor to The Egry Register Company, Dayton, Ohio. Apparatus for aligning paper and carbon sheets. 2,041,019; May 19.
Pfeiffer, William C. and F. E., assignors to The Egry Register Company, Dayton, Ohio. Autographic register. 2,041,020; May 19.
Pfirrmann, Theodor W., Castrop-Rauxel, assignor to Friedrich Uhde Ingenieur-Buro, Dortmund, Germany. Making granulated materials. 2,041,088; May 19.
Philco Radio & Television Corporation. (See Barry, Gerald J., assignor.)
Phillips, Albert J. (See Betterton, J. O., and Phillips.)
Phinney-Walker Co., Inc. (See Berti, Joseph, assignor.)
Pickett, Sterling P., Madison, Mo. Popcorn popper. 2,041,369; May 19.
Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Gasoline stove. 2,041,145; May 19.
Pilkington Brothers Limited. (See Griffin, James H., assignor.)
Pilliod, Thomas J., and F. C. Müller, Swanton, Ohio, assignors to De Haven Razor Corporation. Self-sharpening safety razor. 2,041,680; May 19.
Pittsburgh Forgings Company. (See Mitchell, R. A., and Tuerk, assignors.)
Platt Iron Works, Inc. (See Wells, Edward C., assignor.)
Plym, Francis J., assignor to The Kawneer Company, Niles, Mich. Door stop. 2,041,430; May 19.
Poppe, George W., assignor to Equitable Paper Bag Co., Inc., Brooklyn, N. Y. Making compartment bags. 2,040,953; May 19.
Portnoff, Leo, Brooklyn, N. Y. Apparatus for instruction for stringed instrument playing. 2,041,146; May 19.
Post, John R. (See Crozier, E. G., and Post.)
Postlewaite, William R. (See Gates, L. G., Herrick, Cavins, and Postlewaite.)
Postlewaite, William R., assignor to Standard Oil Company of California, San Francisco, Calif. Pipe coating apparatus. 2,040,876; May 19.
Pottorff, Victor V., Tucson, Ariz. Display stand. 2,041,370; May 19.
Poulter, John W., Mount Pleasant, Iowa, assignor to National Equipment Corporation, Milwaukee, Wis. Method and apparatus for treating sunken composite pavements. 2,041,266; May 19.
Powers Regulator Company, The. (See Young, Howard J., assignor.)
Preisach, Franz, Berlin-Charlottenburg, assignor to Siemens and Halske Aktiengesellschaft, Berlin, Germany. Signaling system. 2,041,147; May 19.
Prestage, Edwin, London, England. Milk pasteurising and cooling unit. 2,041,483; May 19.
Pulsometer Engineering Company Limited, The. (See Warren, Reginald, assignor.)
Quagliotti, William R., Victoria, British Columbia, Canada. Folding box. 2,041,021; May 19.
Quartullo, Orpheus F., Pittsburgh, Pa. Motor vehicle. 2,041,484; May 19.
Quaker Oats Company, The. (See Isenhour, Lloyd L., assignor.)
Quarnstrom, Bert L., assignor to Bundy Tubing Company, Detroit, Mich. Method of and apparatus for making and treating tube assemblies. 2,040,877; May 19.
Radio Corporation of America. (See Barden, William S., assignor.)
Radio Corporation of America. (See Carlson, Wendell L., assignor.)
Radio Corporation of America. (See Goddard, De Witt R., assignor.)
Radio Corporation of America. (See Peterson, Harold O., assignor.)
Radio Corporation of America. (See Roberts, Walter van B., assignor.)
Radio Patents Corporation. (See Hars, Hermann, assignor.)
Radio Research Laboratories, Inc. (See Haffcke, Philip M., assignor.)
Radio Research Laboratories, Inc. (See St. Laurent, Herbert, assignor.)
Raeck, Max, Dessau-Haldeburg in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Tetrahalogeno-ortho-aminophenols. 2,041,512; May 19.
Raeck, Max, Dessau-Helderburg in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Tetrahalogeno-ortho-aminophenols. 2,041,513; May 19.
Raffold Process Corporation. (See Rafton, Harold R., assignor.)
Rafton, Harold R., Andover, Mass., assignor to Raffold Process Corporation, Paper manufacture. 2,040,878; May 19.
Railway Metal Products Company. (See Swann, James S., assignor.)
Ramapo Ajax Corporation. (See Strong, James B., assignor.)
Rassmussen, Martin, Los Angeles, Calif. Fountain stripper. 2,041,022; May 19.
Ray, Joseph B. (See Bean, A. C., and Ray.)
Raymond Bag Company, The. (See Finegan, John A., assignor.)
Redfield, Snowden B., Bethlehem, assignor to Fuller Company, Catasauqua, Pa. Regulator pilot valve. 2,041,148; May 19.
Redin, Roy W. (See Swift, J. R., and Redin.)
Reerink, Engbert H., and J. H. de Boer, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken. Electrode system having unsymmetrical conductivity. 2,041,569; May 19.
Reichhold Chemicals. (See Hovey, Almon G., assignor.)
Reichhold, Helmuth. (See Hovey, Almon G., assignor.)
Reiffenstein, Manfred, Vienna, Austria. Turbo-machine. 2,041,570; May 19.
Reiss, Fred O., Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Parchment paper and making the same. 2,041,485; May 19.
Reiter, Harold J., Chicago, Ill. Radiator cover clip. 2,041,514; May 19.
Republic Steel Corporation, The. (See Leventry, Roy L., assignor.)
Renter, William J., Meadville, Pa., assignor to Hookless Fastener Company. Slide fastener. 2,041,149; May 19.
Ricci, Harry, Stapleton, N. Y. Siren. 2,041,431; May 19.

Rice, Frank E., Detroit, Mich. Beer faucet. 2,041,371; May 19.
Rice-Stix Dry Goods Co. (See Beble, J., and Doelling, assignors.)
Richalet, Paul, Bar-le-Duc, France. Electric furnace. 2,041,486; May 19.
Richards, Antonio, Providence, R. I. Liquid bag. 2,041,515; May 19.
Richter, George A., assignor to Brown Company, Berlin, N. H. Cyclic process of treating alkaline pulps. 2,041,666; May 19.
Ric-wil Company, The. (See Gottwald, Christian, assignor.)
Ridley, Ralph M., Whittier, assignor of one-fourth to W. N. Sutliff, and three-fourths to L. E. Johnson, Los Angeles, Calif. Casing perforating gun. 2,041,209; May 19.
Rienks, George W., Denver, Colo. Surface wheel. 2,041,208; May 19.
Riess, Robert R., Mount Vernon, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Artificial larynx. 2,041,487; May 19.
Rietz, Carl A., San Francisco, Calif. Macerator. 2,041,207; May 19.
Rigby, George W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Substantially undegraded deacetylated chitin and producing the same. 2,040,879; May 19.
Rigby, George W., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparation of films and filaments and products thereof. 2,040,880; May 19.
Riley Stoker Corporation. (See Norton, James P., assignor.)
Roberts, Samuel S., Pittsburgh, Pa. Measuring valve. 2,041,023; May 19.
Roberts, Walter Van B., Princeton, N. J., assignor to Radio Corporation of America. Automatic tone control. 2,040,954; May 19.
Roberts, Walter Van B., Princeton, N. J., assignor to Radio Corporation of America. Automatic volume and fidelity control. 2,040,955; May 19.
Roberts, Walter Van B., Princeton, N. J., assignor to Radio Corporation of America. Automatic gain control. 2,041,150; May 19.
Robertson, Robert R., assignor to The Translode Joint Company, Chicago, Ill. Road joint and filler bridge unit with asphalt lock. 2,041,210; May 19.
Robinson, Emmett E., Pittsburgh, Pa., Material container. 2,041,488; May 19.
Robinson, Henry W., assignor to Dominion Manufacturers Limited, Toronto, Ontario, Canada. Cover strut. 2,041,617; May 19.
Robinson, Joseph, et al. (See Wittmer, Russell J., assignor.)
Rodman, Ernest. (See Haught, J. W., and Rodman.)
Roesch, Alphonse (administrator de bonis non). (See Resh, Albert.)
Rogers, Elmer J., Randolph Field, Tex. Flight meter. 2,041,151; May 19.
Rogers, Robert W. (See Walker, A. W., and Rogers.)
Rohn, Wilhelm. (See Gruber, H., and Rohn, assignors.)
Rojas Chemical Works, Inc. (See Rojas, Floricel A., assignor.)
Rojas, Floricel A., assignor to Rojas Chemical Works, Inc., New York, N. Y. Electrolytic deposition of chromium. 2,040,881; May 19.
Romano, Eugene J., Seattle, Wash., Lula Romano, administratrix of said Eugene J. Romano, deceased. Underwater salvage device. 2,040,956; May 19.
Romano, Lula (administratrix). (See Romano, Eugene J.)
Romer, Adolph, Rockton, Ill., assignor, by mesne assignments, to Bendix Brake Company, South Bend, Ind. Cable connection. 2,041,489; May 19.
Roth, Carl, Astoria, N. Y. Cruller machine. 2,041,432; May 19.
Rowe, William H., New York, N. Y. Vending machine cabinet. 2,041,089; May 19.
Royal Brass Manufacturing Company, The. (See Kreuzer, P. F., and Schultis, assignors.)
Ruberoid Co., The. (See Beeson, Paul O., assignor.)
Rudd, Harry B., Douglaston, N. Y., assignor to Rudd Patents Corporation. Producing containers. 2,041,516; May 19.
Rudd Patents Corporation. (See Rudd, Harry B., assignor.)
Rueger, Herman W., Lancaster, Pa., assignor to Liberty Can and Sign Company, Box. 2,041,024; May 19.
Rule, John F., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Machine for blowing glass articles. 2,041,517; May 19.
Runyan, Arthur L., assignor of one-half to L. H. Scurlock, Chicago, Ill. Railroad car wheel or other wheel. 2,041,490; May 19.
Rush, Albert, Columbus, Ohio, A. Roesch, administrator de bonis non of said A. Rush, deceased, assignor to The Kinnear Manufacturing Company. Door structure. 2,041,372; May 19.
Russell, Charles E., assignor to G. F. Mox, Dayton, Ohio. Humidifier. 2,041,491; May 19.
Ruzicka, Antony, Montreal, Quebec, Canada. Color receptacle. 2,041,571; May 19.
Ryerson & Haynes, Inc. (See Schmidt, Frank W., assignor.)
S K F Industries, Inc. (See Styri, Haakon, assignor.)
Saal, William. (See Bowers, Charley, assignor.)
St. Laurent, Herbert, Hastings-upon-Hudson, assignor to Radio Research Laboratories, Inc., New York, N. Y. Tube and manufacturing the same. 2,041,270; May 19.
Salz, Ignatz, New York, N. Y. Securing bands around pens or pencils. 2,041,518; May 19.
Samuel, Samuel, Worcester, Mass. Apparel fastener. 2,041,024; May 19.
Sanders, Wilbur E., Flint, assignor to General Motors Corporation, Detroit, Mich. Metalworking process. 2,040,957; May 19.
Sanford, Roy S., assignor to Bendix Brake Company, South Bend, Ind. Brake. 2,041,492; May 19.
San Lorenzo Nursery Company. (See Shinoda, Kumaichiro, assignor.)
Sargent, George H., Toronto, Ontario, Canada, assignor to The Egry Register Company, Dayton, Ohio. Form and carbon carrying control device. 2,041,025; May 19.
Saul, George N., Brooklyn, and J. B. Shiel, Glen Head, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Grouping circuit. 2,041,090; May 19.
Saunders, Harold F., Coffeyville, Kans., assignor to The Sherwin-Williams Company, Cleveland, Ohio. Calcium-base lithopone. 2,041,618; May 19.
Saunders, Henry E., Toronto, Ontario, Canada. Negative carrier for photographic printing machines. 2,041,373; May 19.
Savy, Robert, Courbevoie, France, assignor to Baker Perkins Company, Inc., Saginaw, Mich. Removing biscuits from oven conveyers. 2,041,091; May 19.
Schellenger, Newton C., assignor to Chicago Telephone Supply Co., Elkhart, Ind. Enclosed terminal construction for resistance elements. 2,041,212; May 19.
Schellenger, Newton C., and W. E. Haselwood, assignors to Chicago Telephone Supply Company, Elkhart, Ind. Resistance element. 2,041,213; May 19.
Schellentrager, Eugene W., Shaker Heights, Ohio. Car structure. 2,041,211; May 19.
Scheppmann, Wilhelm, Berlin-Neutempelhof, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. High frequency receiver. 2,041,433; May 19.
Schlecht, Leo, and A. Heimsel, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Pulverulent alloy. 2,041,493; May 19.
Schmerler, Joseph J., New York, N. Y. Paraffined paper receptacle. 2,041,374; May 19.
Schmerler, Joseph J., New York, N. Y. Paper receptacle and closure therefor. 2,041,375; May 19.
Schmid, Anton. (See Callsen, A., and Schmid.)
Schmidt, Frank W., assignor to Ryerson & Haynes, Inc., Jackson, Mich. Supporting bar and rack. 2,041,376; May 19.
Schmidt, Louis J., Fond du Lac, Wis. Keeper protective plate. 2,041,625; May 19.
Schnackel's, C., Son, Inc. (See McLean, William A., assignor.)
Scholl, Albert A., Bronxville, and A. Novick, Flushing, assignors to International Paper Company, New York, N. Y. Bag making machine. 2,041,301; May 19.
Schönhöfer, Fritz. (See Schulemann, W., and Schönhöfer.)
Schorger, Arlie W., Madison, Wis., assignor to Burgess Cellulose Company, Freeport, Ill. Stereotype mat. 2,041,092; May 19.
Schottenfels, Monroe, West New York, N. J. Connecter device. 2,040,958; May 19.
Schram, William G., Mount Vernon, N. Y., and F. C. Birchall, Toronto, Ontario, Canada. Envelope. 2,041,434; May 19.
Schrank, Max, Bridgeton, N. J. Seam for garments. 2,041,626; May 19.
Schreurs, Paul R., Muscatine, Iowa. Gas separator. 2,041,435; May 19.
Schroeder, Adolph C., Jr., Yorktown, Tex. Knock-down culvert. 2,041,267; May 19.
Schulemann, Werner, and F. Schönhöfer, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Stabilized preparation. 2,041,436; May 19.
Schultis, Charles F. (See Kreuzer, P. F., and Schultis.)
Schultze, Frederick L., New Rochelle, N. Y. Umbrella carrier. 2,041,494; May 19.
Schumann, Alfred F., Baltimore, Md., assignor to Hauck Manufacturing Company, Brooklyn, N. Y. Heat interchanger. 2,040,959; May 19.
Schwab, James W. (See Butterworth, C. E., and Schwab.)
Schwarz, Ouirin J., Rutherford, assignor to United Cork Companies, Lyndhurst, N. J. Manufacture of cork articles. 2,041,377; May 19.
Schweitzer, Edmund O., Northbrook, Ill. Safety conductor. 2,041,093; May 19.
Schwiers, Alois, Oakland, Calif. Filter. 2,041,495; May 19.
Scott, Norman D., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose derivative compositions. 2,040,882; May 19.
Scott & Williams, Incorporated. (See Marshall, E. W., and Holt, assignors.)
Scottish Dyes Limited. (See Fairweather, D. A. W., and Thomson, assignors.)

Scovill Manufacturing Company. (See Bennett, Morris H., assignor.)
Scupin, Werner, Namslau, Germany. Device for accommodating wound film bands. 2,041,152; May 19.
Scurlock, Lewis H. (See Runyan, Arthur L., assignor.)
Sealdrok Company of New England. (See Stafford, Hiram M., assignor.)
Selakosky, Wilson, White Haven, Pa. Automobile front wheel drive axle. 2,041,572; May 19.
Senese, Martin, Detroit, Mich. Beverage cooling and dispensing apparatus. 2,041,026; May 19.
Servel, Inc. (See Bäckstrom, Sigurd M., assignor.)
Sessions, Royal L. (See Mitchell, T. A., and Sessions.)
Sewell, Charles W., assignor to D. Napier & Son Limited, London, England. Brake mechanism. 2,041,268; May 19.
Seyfert, Stanley S., Bethlehem, Pa., assignor to Lehigh University. Synchronous mechanical rectifier-inverter and its operation. 2,041,302; May 19.
Shapard, Henry L., Missoula, Mont. Temperature generating and control system. 2,041,573; May 19.
Sharples Solvents Corporation, The. (See Lee, William McC., assignor.)
Sharples Specialty Company, The. (See Brewer, Nathaniel, assignor.)
Sheet Polarizer Company. (See Land, Edwin H., assignor.)
Sherwin-Williams Company, The. (See Saunders, Harold F., assignor.)
Shiel, John B. (See Saul, G. N., and Shiel.)
Shields, John M., assignor to F. H. Noble & Co., Chicago, Ill. Display pad for jewelry boxes. 2,041,303; May 19.
Shinkle, Seaphes D., Passiac, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y. Coated sheet material and making. 2,041,496; May 19.
Shinoda, Knmaichior, assignor to San Lorenzo Nursery Company, Los Angeles, Calif. Ornamental flower-holding device. 2,041,681; May 19.
Shiraeff, Dmitry A., and F. Jacobs, New York, N. Y. Photographic-printing machine. 2,041,153; May 19.
Shockey, H. H. (See Lack, Arnold, assignor.)
Shorrock, James P., Holyoke, Mass. Skein-forming device. 2,041,214; May 19.
Sidon, Max, Beechhurst, N. Y. Paper or similar cup. 2,041,437; May 19.
Siegel, Lewis, et al. (See Dumas, Eugene J., assignor.)
Siemens & Halske Aktiengesellschaft. (See Kniepkamp, Heinrich, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Mayer, Hans, assignor.)
Siemens and Halske Aktiengesellschaft. (See Preisach, Franaz, assignor.)
Siewers, Heinrich, Kellinghusen, Germany. Table. 2,041,438; May 19.
Silven, Herbert A., assignor to Norton Company, Worcester, Mass. Crankpin grinding machine. 2,041,215; May 19.
Simpson, Emory G., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Lock for a swinging window panel. 2,041,094; May 19.
Singer Manufacturing Company, The. (See Chason, Daniel H., assignor.)
Singleton, John C., Vinton, La. Combination packer, packer setting tool, and bottom shut-off valve. 2,041,439; May 19.
Sintz, Claude, Detroit, Mich. Thread cutting mechanism. 2,041,027; May 19.
Sjogren, Oscar W., Huntington Park, R. H. Mitchell, South Gate, J. A. Vaughn, Los Angeles, and D. E. Skinn, South Gate, assignors to Killefer Manufacturing Corporation, Los Angeles, Calif. Disk harrow. 2,041,216; May 19.
Skinn, Dougald E. (See Sjogren, O. W., Mitchell, Vaughn, and Skinn.)
Sluts, Thomas W., Cleveland, Ohio. Shock absorbing device. 2,041,154; May 19.
Smallen, Harry M., Brooklyn, N. Y. Marking device. 2,041,574; May 19.
"Smelting" Metallurgische und Metallwerke Aktiengesellschaft. (See Feuer, E., and Kemp, assignors.)
Smidth, F. L. & Co. (See Larsen, Axel, assignor.)
Smith, Drum & Company. (See Drum, G. E., and Jaxheimer, assignors.)
Smith, Drum and Company. (See Drum, H. S., and Dodson, assignors.)
Smith, Harry G., Flint, assignor to General Motors Corportation, Detroit, Mich. Valve spring key. 2,040,960; May 19.
Smith, John F., Plainfield, N. J., assignor to Knapp-Monarch Company. Thermostatic switch. 2,041,304; May 19.
Smith, L. C., Bobbin Works. (See Wylie, Andrew, assignor.)
Smith, Pedro J. (See Ferreras, Rafael P., assignor.)
Smith, Phillip H., Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. High frequency transmission system. 2,041,378; May 19.
Smith, Willoughby S., Benchams, Newton Poppleford, H. J. Garnett, Lymne, Solefields, Sevenoaks, and J. N. Dean, Orpington, England. Insulated electrical conductor. 2,041,269; May 19.
Smithers, Vernon L., Akron, Ohio, and H. A. Winkelmann, Chicago, Ill. Plastic composition. 2,041,217; May 19.
Snyder, Johnson D. (See Goss, James H., and Snyder.)
Societe des Usines Chimiques Rhone-Poulenc. (See Cottet, Emile C., assignor.)
Societe Generale Isothermos S. A. (See Bastin, Louis H. P., assignor.)
Society of Chemical Industry in Basle. (See Bonbôte, G., and Apotheker, assignors.)
Solomon, Guillermo, Santiago, Dominican Republic. Electronic tube. 2,040,883; May 19.
Somes, Howard E., Detroit, Mich. Oven and system of ventilation therefor. 2,040,884; May 19.
Southern Textile Machinery Company. (See De Spain, Thomas H., assignor.)
Spalding, John D. (See Hodge, A. J., and Spalding.)
Speedry Gravure Corporation. (See Stouch, Clarence E., assignor.)
Sperry Products, Inc. (See Carter, Leslie F., assignor.)
Squier, George A., Cleveland, Ohio. Mounting for ophthalmic lenses. 2,041,440; May 19.
Stacey, Ernest W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon shoes. 2,041,095; May 19.
Stacey, Ernest W., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Foxing laying machine. 2,041,379; May 19.
Stafford, Hiram M., Chicago, Ill., assignor, by mesne assignments, to Sealdrok Company of New England. Method and apparatus for conditioning mineral aggregate. 2,041,155; May 19.
Stam, Martinus J., The Hague, Netherlands. Preparation of a plastic vulcanizable material from rubber, gutta-percha, balata and the like. 2,041,805; May 19.
Standard Oil Company of California. (See Fossati, Francis N., assignor.)
Standard Oil Company of California. (See Gates, L. G., Herrick, Cavins, and Postlewaite, assignors.)
Standard Oil Company of California. (See Postlewaite, William R., assignor.)
Standish, John F., Winthrop, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastening-inserting machine. 2,040,885; May 19.
Stanley, Paul H., Glenside, Pa. Barometric device. 2,041,028; May 19.
Stargardter, Albert R., Newark, N. J., assignor to Gillette Safety Razor Company, Boston, Mass. Treating metal. 2,041,029; May 19.
Staudinger, Hanns P. (See Auden, H. A., and Staudinger.)
Steele, Clarence M., Statesville, N. C. Clay working machine. 2,041,619; May 19.
Steele, James W., Kansas City, Mo. Garment buttonhole accessory. 2,041,575; May 19.
Stein, Methven A. (See McCormick, W. K., and Stein.)
Stelzer, William, assignor to Bendix Brake Company, South Bend, Ind. Wheel. 2,041,441; May 19.
Stephens, Wayne B., Hollywood, Calif. Bridle attachment. 2,041,620; May 19.
Stephenson, Elvin W., Oak Park, assignor to General Outdoor Advertising Co., Inc., Chicago, Ill. Advertising device. 2,041,497; May 19.
Stevey, Frederick C., Camas, Wash. Automatic coordinators for main and auxiliary sources of electricity. 2,041,306; May 19.
Stinsman, Edgar S., Wenatchee, assignor of one-half to H. M. Madden, Seattle, Wash. Floor polishing machine. 2,041,442; May 19.
Stoekle, Erwin R., assignor to Central Radio Laboratories, Inc., Milwaukee, Wis. Adjustable resistance. 2,041,380; May 19.
Stokely, Ray L., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,041,096; May 19.
Stouch, Clarence E., Great Neck, assignor to Speedry Gravure Corporation, New York, N. Y. Inking system for printing presses. 2,040,961; May 19.
Strauss, Joseph B., Chicago, Ill. Suspension tram system. 2,040,886; May 19.
Streicher, Johann S., assignor to American Platinum Works, Newark, N. J. Pen point. 2,041,381; May 19.
Strohmenger, Georg. (See Gehrke, W., and Strohmenger.)
Strom, Clifton O., Racine, Wis. Wear-testing machine. 2,040,962; May 19.
Strong, James B., assignor to Ramapo Ajax Corporation, New York, N. Y. Safety connecting rod for switch stands. 2,041,382; May 19.
Strutton, Edwin B., Toledo, Ohio. Puzzle. 2,041,030; May 19.
Sturtevant, B. F., Company. (See Anderson, Samuel M., assignor.)
Stütting, Heinrich, Witten-on-the-Ruhr, Germany. Rolling mill. 2,041,271; May 19.
Styri, Haakon, assignor to S K F Industries, Inc., Philadelphia, Pa. Thermally treating quenched and hardened steels. 2,041,649; May 19.
Submarine Signal Company. (See Hubbard, Beverly R., assignor.)
Sugar-Less Candy Company. (See Kang, Young S., assignor.)
Suksdorf, Alfred, Schenectady, N. Y., assignor to General Electric Company. Control system. 2,041,576; May 19.
Sullivan Machinery Company. (See Gartin, Elmer G., assignor.)

Sullivan Machinery Company. (See Joy, Joseph F., assignor.)
Sullivan Machinery Company. (See Whinnen, Eugene, assignor.)
Sulloway Page Company. (See Karlberg, Axel O. A., assignor.)
Sundbach, Carl, Weymouth, Mass. Refrigeration apparatus particularly adapted for freezing fish. 2,041,443; May 19.
Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Making separable fastener sliders. 2,041,156; May 19.
Sundin, Albert A., Chicago, Ill. Transmission lock. 2,041,621; May 19.
Sundt, Edward V., and B. Kollath, Chicago, Ill. Electric fuse. 2,041,388; May 19.
Superheater Company, The. (See Armacost, Wilbur H., assignor.)
Supplie, Adolf, Wetter-on-the-Ruhr, Germany. Fastening device. 2,041,444; May 19.
Surface Combustion Corporation. (See Hepburn, William M., assignor.)
Surface Combustion Corporation. (See Winder, Frank J., assignor.)
Surface Combination Corporation. (See Winder, F. J., and Swift, assignors.)
Sussmeier, Lorenz. (See Donderer, Josef, assignor.)
Sutcliffe, Harry L. (See Maccarone, F., and Cutcliffe.)
Suter, Harold G., et al. (See Fairchild, Glen G., assignor.)
Sutherland, Clarence R., Dayton, Ohio. Protective packet. 2,041,577; May 19.
Sutliff, Wayne N., et al. (See Ridley, Ralph M., assignor.)
Swann, James S., assignor to Railway Metal Products Company, Chicago, Ill. Operating mechanism for railway car doors. 2,041,650; May 19.
Swidersky, Stanley T., Houtzdale, Pa. Fastener. 2,041,498; May 19.
Swift, Justin R., and R. W. Redin, Chicago, Ill. Rubber type holder and type therefor. 2,041,499; May 19.
Swift, Lincoln L. (See Winder, F. J., and Swift.)
Taddiken, Ulrich A., Ridley Park, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Condenser. 2,040,963; May 19.
Tangerman, William J., Hammond, Ind., assignor to Union Metal Products Company, Chicago, Ill. Railway car wall. 2,041,651; May 19.
Tarleton, Frederic L., Greenville, Mich., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Unloader valve for fluid compressors. 2,040,964; May 19.
Tautz, Herbert E., assignor to Delta Manufacturing Company, Milwaukee, Wis. Drill press head. 2,041,578; May 19.
Taveau, René M., Newburgh, assignor to The Texas Company, New York, N. Y. Manufacture of glycols. 2,041,272; May 19.
Taylor, John L., Milwaukee, Wis. Flexible shaft coupling. 2,041,218; May 19.
Telefunken Gesellschaft, fur Drahtlose Telegraphie m. b. H. (See Wilhelm, Karl, assignor.)
Teletype Corporation. (See Krum, H. L., and Zenner, assignors.)
Tennant, G. H., Company. (See Hale, Lloyd, assignor.)
Ternstedt Manufacturing Company. (See Simpson, Emery G., assignor.)
Texas Company, The. (See Taveau, René M., assignor.)
Thomas, Frank B., Irwin, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,041,307; May 19.
Thomas, John E., LaGrange, assignor to Hooker Glass & Paint Mfg. Co., Chicago, Ill. Mirror. 2,041,667; May 19.
Thomas, Victor W., assignor to E. A. Harrington, Waukegan, Ill., trustee. Adjusting apparatus. 2,041,500; May 19.
Thompson, Torvald, New York, N. Y. Joint. 2,041,031; May 19.
Thompson, Wayne B., Winchester, Mass. Apparatus for applying flock. 2,041,627; May 19.
Thomson, Robert F. (See Fairweather, D. A. W., and Thomson.)
Thuesen, Dagfinn G., Bloomfield, N. J., assignor to The Egyptian Lacquer Manufacturing Company, New York, N. Y. Cuticle remover and removing cuticle. 2,041,158; May 19.
Thuras, Albert L., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Acoustic device. 2,041,157; May 19.
Tillett, Frederick G., Eastbourne, England. Marking articles of clothing and the like for laundry and similar purposes. 2,041,628; May 19.
Timken Roller Bearing Company, The. (See Buckwalter, Tracy V., assignor.)
Titanite Alloys Corporation. (See Bates, John B., assignor.)
Titanium Alloy Manufacturing Company, The. (See Kinzie, C. J., and Hake, assignors.)
Titone, Joseph. (See Mendel W., and Titone.)
Tobacco By-Products and Chemical Corporation. (See Moore, Warren, assignor.)
Tollefsen, Reidar A., Sellersville, Pa., assignor to United States Gauge Company, New York, N. Y. Control device. 2,041,579; May 19.
Toruif, Helge G. (See Holmberg, Anders, assignor.)
Translode Joint Company, The. (See Robertson, Robert R., assignor.)
Tritle, John F., Erie, Pa., assignor to General Electric Company. System and apparatus for motor control. 2,041,580; May 19.
Tueckmantel, Hugo, East Orange, N. J. Line drying reel. 2,041,384; May 19.
Tuerk, Frank G. (See Mitchell, R. A., and Tuerk.)
Turner Tanning Machinery Company, The. (See McLaughlin, George E., assignor.)
Tuttle, Malcolm H., New Rochelle, assignor to Max B. Miller & Co., Inc., New York, N. Y. Refining mineral oil. 2,041,308; May 19.
Ubde, Friedrich, Ingenieur-Buro. (See Pfirrmann, Theodor W., assignor.)
Uline, Migiel J., Washington, D. C. Guard for dip tanks. 2,041,622; May 19.
Ultimate Paving Block Corporation of America. (See Hewett, Louis F., assignor.)
Undertakers Supply Co., The. (See Ocasek, Edward, assignor.)
Union Metal Products Company. (See Gilpin, Garth G., assignor.)
Union Metal Products Company. (See Tangerman, William J., assignor.
Union Oil Company of California. (See Aldridge, B. G., and Hopper, assignors.)
Union Oil Company of California. (See Bray, Ulric B., assignor.)
Union Switch & Signal Company, The. (See O'Hagan, Bernard E., assignor.)
Unique Balance Company. (See Larson, Algot, assignor.)
United-Carr Fastener Corporation. (See Hall, Charles L., assignor.)
United Cork Companies. (See Schwars, Quirin J., assignor.)
United Shoe Machinery Corporation. (See Brostrom, Charles G., assignor.)
United Shoe Machinery Corporation. (See Stacey, Ernest W., assignor.)
United Shoe Machinery Corporation. (See Standish, John F., assignor.)
United States Gauge Company. (See Tollefsen, Reidar A., assignor.)
United States Rubber Company. (See Eger, Ernst, assignor.)
United States Rubber Company. (See Shinkle, Seaphes D., assignor.)
Universal Camera Corp. (See Githens, Otto W., assignor.)
Uppercu, Inglis M., Rumson, assignor, by mesne assignments, to Burnelli Aircraft, Ltd., Keyport, N. J. Aircraft. 2,041,623; May 19.
Van Ackeren, Paul, Essen, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa. Coke oven door. 2,040,887; May 19.
Van der Fyl, Edward, Holden, assignor to Norton Company, Worcester, Mass. Safety tread. 2,041,032; May 19.
Van Laanen, Francis J., Jr., assignor to Green Bay Drop Forge Company, Green Bay, Wis. Brake actuating device. 2,041,385; May 19.
Van Laanen, Francis J., Jr., assignor to Green Bay Drop Forge Company, Green Bay, Wis. Cable cutting device. 2,041,386; May 19.
Varley, George P., and A. Clarke, assignors to Geo. Moulton Limited, Manchester, England. Producing designs upon very heavy rollers for color printing purposes. 2,041,501; May 19.
Vaughn, Jesse A. (See Sjogren, O. W., Mitchell, Vaughn, and Skinn.)
Vegren, Conrad R., Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio. Car door. 2,041,033; May 19.
Verbeek, Arnold F., Oberlungwitz, Germany, assignor to Kallo, Inc., New York, N. Y. Machine for and making knitted fabric. 2,040,965; May 19.
Verderber, Joseph, Cleveland, and E. F. Batterman, East Cleveland, Ohio. Automatic machine. 2,041,309; May 19.
Vereinigte Stahlwerke Aktiengesellschaft. (See Buchholtz, Herbert, assignor.)
Victor Chemical Works. (See Janota, Joseph, Jr., assignor.)
Victor Chemical Works. (See Zinn, Robert E., assignor.)
Vida, Alex. (See MacDonald, M. L., and Vida.)
Vierling, Lester L., Oradell, N. J., assignor to American Colortype Company, New York, N. Y. Calendar. 2,041,097; May 19.
Vito, Vicente. (See Di-Guangco, P., and Vito.)
Vollenbroich, Theodor. (See Bochmann, O., and Vollenbroich.)
Von Rosenberg, Hilton O., Hallettsville, Tex., assignor to Parke, Davis & Company, Detroit, Mich. Mouth spreader. 2,041,034; May 19.
Voss, Arthur, Frankfort-on-the-Main, and E. Dickhäuser, Gersthofen, near Augsburg, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Artificial masses. 2,041,502; May 19.
Vulcan Copper & Supply Co. (See Wentworth, Theodore O., assignor.)
Wade, Marion E., assignor to Moth King Corporation, Chicago, Ill. Destroying moth life. 2,041,219; May 19.

Wadge, Thomas. (See Keegan, J., and Wadge.)
Wahlberg, Alfred G. (See Christofferson, C., and Wahlberg.)
Waite & Bartlett X-Ray Manufacturing Company. (See Goldfield, Edwin R., assignor.)
Walker, Arthur W., Malden, and R. W. Rogers, Framingham, assignors to Walker & Pratt Manufacturing Co., Boston, Mass. Range. 2,041,310; May 19.
Walker, Charles H., Mankato, Kans. Clamp. 2,041,311; May 19.
Walker & Pratt Manufacturing Co. (See Walker, A. W., and Rogers, assignors.)
Wallace, William H., Detroit, Mich., assignor to Eaton Manufacturing Company. Leaf spring structure. 2,041,159; May 19.
Walters, Harry, Kansas City, Mo. Loose match holder. 2,041,035; May 19.
Walton, George W., London, England. Frequency range converter. 2,041,036; May 19.
Ward Baking Company. (See Hoffman, Charles, assignor.)
Warren, Reginald, Reading, assignor to The Pulsometer Engineering Company Limited, Reading, Berks, England. Lockable freewheel transmission mechanism. 2,041,445; May 19.
Wasserberg, Irving, et al. (See Heilweil, Samuel, assignor.)
Waterfill, Robert W. (See Carrier, W. H., and Waterfill.)
Waymeyer, Henry, Fort Perry, Ky., assignor to The Williamson Heater Company, Cincinnati, Ohio. Casing joint. 2,041,037; May 19.
Weathershields Limited. (See Bishop, William H., assignor.)
Weaver, Earl L., assignor to Goshen Manufacturing Company, Goshen, Ind. Canopy frame for swings. 2,041,503; May 19.
Webster, Warren, & Company. (See Brooks, Samuel M., assignor.)
Wehrle Company, The. (See Pickup, George E., assignor.)
Welsberg, George, Allentown, Pa. Collar and cuff pressing machine. 2,041,581; May 19.
Wells, Edward C., assignor to Platt Iron Works, Inc., Dayton, Ohio. Imprinting apparatus. 2,040,888; May 19.
Wentworth, Theodore O., assignor to The Vulcan Copper & Supply Co., Cincinnati, Ohio. Dehydration of acetic acid and other lower fatty acids. 2,041,668; May 19.
Western Electric Company. (See Johannessen, Vaughn L., assignor.)
Western Electric Company. (See Morberg, Ivar A., assignor.)
Westinghouse Air Brake Company, The. (See Thomas, Frank B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Donaldson, H. C., Jr., and Ford, assignors.)
Westinghouse Electric & Manufacturing Company. (See Jordan, Richard H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lyle, Frederick W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Taddiken, Ulrich A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Tarleton, Frederic L., assignor.)
Weston, Charles F., Prince George County, Va., assignor to Atmospheric Nitrogen Corporation, New York, N. Y. Production of nitrates. 2,041,504; May 19.
Westrope, Fred J., Detroit, Mich., assignor to The Murray Corporation of America. Header construction for concealed windshield. 2,040,966; May 19.
Whalen, Milton E., et al. (See Fairchild, Glen G., assignor.)
Wharton, William, Kendal, Westmorland, England. Variable speed power transmission mechanism. 2,041,446; May 19.
Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Amplifier volume control. 2,041,273; May 19.
Wheeling, John R., Radford, Va. Collapsible crate. 2,041,582; May 19.
Whinnen, Eugene, Republic, Mich., assignor to Sullivan Machinery Company. Core drill. 2,040,889; May 19.
Whiteball Patents Corporation. (See Murinsky, Davis, assignor.)
Whittle, Benjamin B., deceased, Oklahoma City, Okla., L. F. Whittle, executrix of said B. B. Whittle. Valve. 2,041,669; May 19.
Whittle, Horace, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission network. 2,041,098; May 19.
Whittle, Lessie F., executrix. (See Whittle, Benjamin B., assignor.)
Wicks, Edward L., New Orleans, La. Automatic weighing machine. 2,041,629; May 19.
Wilhelm, Karl, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Automatic volume control. 2,040,967; May 19.
Wilkinson, Lester F. (See Duncan, R., and Wilkinson.)
Williams, Leroy E., assignor to Highway Trailer Company, Edgerton, Wis. Door lock. 2,041,669; May 19.
Williamson Heater Company, The. (See Waymeyer, Henry, assignor.)
Wilson, Henry D., Jr., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrical connecter. 2,041,100; May 19.
Winder, Frank J., Ottawa Hills, and L. L. Swift, assignors to Surface Combustion Corporation, Toledo, Ohio. Annealing apparatus. 2,041,312; May 19.
Winder, Frank J., Ottawa Hills, assignor to Surface Combustion Corporation, Toledo, Ohio. Apparatus for heat treating steel. 2,041,313; May 19.
Winkelmann, Herbert A. (See Smithers, V. L., and Winkelmann.)
Winthrop Chemical Company. (See Benda, Louis, assignor.)
Winthrop Chemical Company. (See Schulemann, W., and Schönhöfer, assignors.)
Wisconsin Alumni Research Foundation. (See Hurd, Loren C., assignor.)
Wisner, John A., assignor to Dek Products, Inc., Baltimore, Md. Garbage can or like cabinet. 2,041,038; May 19.
Wittmer, Russel J., Cleveland Heights, Ohio, assignor of one-half to J. Robinson, New York, N. Y., and one-half to R. M. Wolvin, Montreal, Quebec, Canada. Automatic train pipe connecter. 2,040,968; May 19.
Woerle, Katherine F., Reading, Pa. Bath slipper. 2,041,505; May 19.
Wolinsky, Samuel, et al. (See Heilweil, Samuel, assignor.)
Wolvin, Roy M., et al. (See Wittmer, Russell J., assignor.)
Wood, J. R., & Sons, Inc. (See Lemmon, John E., assignor.)
Wood, Samuel A., Baldwin, and F. D. Jonas, East Williston, assignors to Oxford Filing Supply Co., New York, N. Y. Container. 2,041,274; May 19.
Woody, Paul O., Soda Springs, Idaho. Lock for automobile engine hoods. 2,041,447; May 19.
Woolson, Harry T., assignor to Chrysler Corporation, Detroit, Mich. Motor mounting. 2,041,506; May 19.
Wrentmore, Clarence G., deceased, Detroit, Mich., Margaret M. Wrentmore, administratrix. Jet pump. 2,040,890; May 19.
Wrentmore, Margaret M., administratrix. (See Wrentmore, Clarence G.)
Wright, Alan L., Kingston-on-Thames, England. Apparatus for heating liquids. 2,041,630; May 19.
Wright, Daniel K., Cleveland Heights, Ohio, assignor to General Electric Company. Electric incandescent lamp for projecting purposes. 2,041,583; May 19.
Wright, Harry, San Diego, Calif., and H. Hemperly, Phoenix, Ariz. Automatic tire gauge switch. 2,040,891; May 19.
Wright, Sumner B., South Orange, and D. Mitchell, Bound Brook, N. J., assignors to American Telephone and Telegraph Company. Telephone transmission circuit. 2,041,101; May 19.
Wroble, Theodore M. (See Johnson, A. C., and Wroble.)
Wylie, Andrew, Clifton, assignor to L. C. Smith Bobbin Works, Phillipsburg, N. J. Winding head. 2,041,102; May 19.
Yeomans Brothers Company. (See Yeomans, Charles, assignor.)
Yeomans, Charles, assignor to Yeomans Brothers Company, Chicago, Ill. Automatic controlling switch mechanism. 2,040,892; May 19.
Young, Howard J., River Forest, assignor to The Powers Regulator Company, Chicago, Ill. Louver damper. 2,040,893; May 19.
Young, Philip E., Fairhaven, Mass., assignor to Acushnet Process Company. Nipple for nursing bottles. 2,041,670; May 19.
Youngstown Steel Door Company, The. (See Madland, Gabriel, assignor.)
Youngstown Steel Door Company, The. (See Madland, Thorvald, assignor.)
Youngstown Steel Door Company, The. (See Vegren, Conrad E., assignor.)
Zahodiakin, Victor F., Cincinnati, Ohio. Internal combustion engine valve. 2,041,160; May 19.
Zahodiakin, Victor F., Cincinnati, Ohio. Internal combustion engine. 2,041,314; May 19.
Zeder, James C., assignor to Chrysler Corporation, Detroit, Mich. Combination fan and vibration damper. 2,041,507; May 19.
Zegers, Alberto, assignor to Comunidad "Propulsor Chile", Santiago, Chile. Propulsion system. 2,041,103; May 19.
Zeh, Ludwig, Leverkusen-Wiesdorf, and E. Konrad, Leverkusen-I. G. Werk, Germany, assignors to Durand & Huguenin Aktiengesellschaft, Basel, Switzerland. Stable preparations. 2,041,220; May 19.
Zellhoefer, Glenn F., Bloomington, Ill. Absorption refrigeration. 2,040,894; May 19.
Zellhoefer, Glenn F., Bloomington, Ill. Absorption refrigeration. 2,040,895; May 19.
Zellhoefer, Glenn F., Bloomington, Ill. Absorption refrigeration. 2,040,896; May 19.
Zellhoefer, Glenn F., Bloomington, Ill. Absorption refrigeration. 2,040,897; May 19.
Zellhoefer, Glenn F., Bloomington, Ill. Absorption refrigeration. 2,040,898; May 19.
Zellhoefer, Glenn F., Bloomington, Ill. Absorption refrigeration. 2,040,899; May 19.
Zellhoefer, Glenn F., Bloomington, Ill. Absorption refrigeration. 2,040,900; May 19.
Zellhoefer, Glenn F., Bloomington, Ill. Absorption refrigeration. 2,040,901; May 19.
Zellhoefer, Glenn F., Bloomington, Ill. Absorption refrigeration. 2,040,902; May 19.

Zellhoefer, Glenn F., Bloomington, Ill. Absorption refrigeration. 2,040,903; May 19.
Zellhoefer, Glenn F., Bloomington, Ill. Absorption refrigeration. 2,040,904; May 19.
Zellhoefer, Glenn F., Bloomington, Ill. Solvent material for absorption refrigerating machines. 2,040,905; May 19.
Zellhoefer, Glenn F., Bloomington, Ill. Absorption refrigeration. 2,040,906; May 19.
Zellhoefer, Glenn F., Bloomington, Ill. Absorption refrigeration. 2,040,907; May 19.
Zellhoefer, Glenn F., Bloomington, Ill. Absorption refrigeration. 2,040,908; May 19.
Zellhoefer, Glenn F., Bloomington, Ill. Absorption refrigeration. 2,040,909; May 19.
Zellhoefer, Glenn F., Bloomington, Ill. Absorption refrigeration. 2,040,910; May 19.
Zellhoefer, Glenn F., Bloomington, Ill. Absorption refrigeration. 2,040,911; May 19.
Zellhoefer, Glenn F., Bloomington, Ill. Absorption refrigeration. 2,040,912; May 19.
Zenner, Walter J. (See Krum, H. L., and Zenner.)
Zinn, Robert E., Chicago Heights, assignor to Victor Chemical Works, Chicago, Ill. Flaking amorphous solids. 2,041,448; May 19.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 19TH DAY OF MAY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Electron tube. J. Massolle, H. Vogt, and J. Engl. 19,974; May 19.
Hair waving pad. R. L. Evans. 19,972; May 19.
Hay, Curing. E. B. Cushman. 19,971; May 19.
Publicity apparatus. W. H. Chadwick. 19,976; May 19.
Refrigerating apparatus and process. H. L. Forman. 19,973; May 19.
Vehicle. W. Swallow. 19,975; May 19.

LIST OF DESIGN INVENTIONS

Aircraft level indicating device. L. P. Carter. 99,702; May 19.
Alphabet for forming monograms for wearing apparel or similar article, Decorative. C. Emmey. 99,674; May 19.
Apron or similar article. N. Barbagallo. 99,694; May 19.
Bedspring. D. C. Travis. 99,736; May 19.
Belt. M. Hirsh. 99,714; May 19.
Bottle. R. H. Dallas. 99,757; May 19.
Bottle. J. M. Sansby. 99,763; May 19.
Bottle. D. Trompeter. 99,764; May 19.
Bottle, Glass. W. E. Mackelfresh, Jr. 99,750; May 19.
Bridge for eyeglasses, Center. E. R. Durgin. 99,673; May 19.
Buckle, Cigarette box. J. Singer. 99,683; May 19.
Button, Covered. J. Kowal. 99,760; May 19.
Building. G. B. de Vall. 99,708; May 19.
Cabinet for coin operated simulated race game. G. A. Gast. 99,746; May 19.
Cabinet, refrigerator, and sink, Combination kitchen. F. J. Osuch. 99,679; May 19.
Cabinet, Storage. F. J. Osuch. 99,678; May 19.
Camera. C. W. Crumrine. 99,672; May 19.
Case, Clock. F. W. Green. 99,711; May 19.
Case, Display. T. E. Wharton. 99,690; May 19.
Case, Kitchen. O. Landaw. 99,717; May 19.
Case, Piano. P. Van Dommelen. 99,689; May 19.
Case, Piano. P. Van Dommelen. 99,739; May 19.
Cash register. M. Garbell. 99,745; May 19.
Casing and wringer, Combination washing machine. G. B. Keil. 99,749; May 19.
Casing for thermostats or similar articles. L. S. Houghton. 99,758; May 19.
Casing, Projector. E. C. Fritts and W. D. Teague. 99,675; May 19.
Casing, Vacuum cleaner. M. S. Park. 99,723; May 19.
Casket. H. S. Scholl. 99,730; May 19.
Chair. D. Powell. 99,725; May 19.
Chair. D. Powell. 99,728; May 19.
Chair, Swivel. D. Powell. 99,727; May 19.
Container, Coin. D. Babcock. 99,693; May 19.
Container cup and sleeve for electrical vaporizer, Combined. J. Robinson. 99,729; May 19.
Container, Food. L. H. Scurlock. 99,682; May 19.
Cooker, Table. O. M. Anderson. 99,668; May 19.
Covering or similar article, Table. C. Emmey. 99,767; May 19.
Cup or similar article. S. Katchamakoff. 99,759; May 19.
Dilator or similar article. A. Greth. 99,747; May 19.
Extractor and food mixer, Combination juice. F. J. Osuch. 99,752; May 19.
Fabric, Knitted textile. J. Persky. 99,724; May 19.
Fabric, Textile. M. D. Kornfeld. 88,716; May 19.
Fabric, Textile. M. D. Kornfeld. 99,765; May 19.
Fabric, Textile. G. H. Perkins. 99,680; May 19.
Fabric, Textile. G. H. Perkins. 99,761–2; May 19.
Fabric, Textile. M. E. Singerman. 99,684; May 19.
Fabric, Textile. A. White. 99,691; May 19.
Fabric, Textile. H. W. Wilde. 99,692; May 19.
Fabric, Textile. H. W. Wilde. 99,766; May 19.
Fire detector, alarm, and extinguisher, Combined. J. Grison. 99,712; May 19.
Flatiron and tank therefor, Gasoline operated. J. R. Morgan. 99,751; May 19.
Font of display letters and figures. C. McDougal. 99,721; May 19.
Game board or the like. A. L. Webber. 99,741; May 19.
Glider, Canopy. M. B. Smith. 99,733; May 19.
Globe for lighting fixtures. J. C. Dunn and M. Klein. 99,743; May 19.
Globe, Lighting fixture. S. S. Dauman. 99,742; May 19.
Goblet, Glass. J. G. Funfrock. 99,744; May 19.
Goblet, Glass. D. K. Irwin. 99,676; May 19.
Handle, Burial case. L. J. Clark. 99,703–5; May 19.
Handle, Burial case. J. Jamieson. 99,715; May 19.
Heater or the like, Automobile. C. E. Meyerhoefer. 99,722; May 19.
Heel. D. J. Calderazzo. 99,700–1; May 19.
Hinge. J. T. Atwood. 99,756; May 19.
Holder, ashtray, and extinguisher, Combined cigarette. H. E. Ridewood. 99,753; May 19.
Holder, Christmas tree light. H. Haase. 99,713; May 19.
Keyhole illuminator. J. C. Helm. 99,748; May 19.
Lamp. L. M. Wiley. 99,755; May 19.
Lighting fixture. M. W. Ross and E. D. Tillson. 99,754; May 19.
Monoplane with longitudinal side wings, Tailless. E. F. Wagner. 99,740; May 19.
Nightgown. I. Lieberman. 99,718; May 19.
Nozzle, Vacuum cleaner. G. E. Lofgren. 99,719; May 19.
Padlock. S. C. Slaymaker. 99,732; May 19.
Plug valve body. E. C. Brisbane. 99,699; May 19.
Ring, Wedding. V. T. Salter. 99,681; May 19.
Ring, Wedding. G. A. Tomlinson. 99,686–8; May 19.
Ring, Wedding. G. A. Tomlinson. 99,734–5; May 19.
Roll or similar article. P. J. Brennan. 99,669–71; May 19.
Roll or similar article. P. J. Brennan. 99,697; May 19.
Scale, Weighing. R. E. Vanderhoff and M. J. Weber. 99,737–8; May 19.
Settee or similar article. C. Stoll. 99,685; May 19.
Shoe. E. A. Cohen. 99,706; May 19.
Shoe. C. H. Daniels. 99,707; May 19.
Shoe. L. W. Simister. 99,731; May 19.
Slipper. I. Berman. 99,695–6; May 19.
Slipper. L. Goldberg. 99,710; May 19.
Stand, Display. G. A. Johnson and M. A. Lopes. 99,677; May 19.
Sweater. J. Engelberg. 99,709; May 19.
Table. D. Powell. 99,726; May 19.
Toy. E. McCandlish. 99,720; May 19.
Wrap. A. Brieff. 99,698; May 19.

Diverter valve. P. F. Kreuzer and C. F. Schultis. 2,041,002; May 19.
Door, Car. T. Madland. 2,041,007; May 19.
Door, Car. C. R. Vegren. 2,041,033; May 19.
Door, Coke oven. P. Van Ackeren. 2,040,887; May 19.
Door, Garage. F. O. Goodman. 2,041,410; May 19.
Door lock. L. E. Williams. 2,041,099; May 19.
Door, Metallic car. G. Madland. 2,041,006; May 19.
Door structure. A. Rush. 2,041,372; May 19.
Drawing instrument, Bifurcated. E. Neumayer. 2,041,299; May 19.
Drill: *See*—
Core drill.
Drill press head. H. E. Tauts. 2,041,578; May 19.
Driving control, Automatic. J. Good. 2,041,541; May 19.
Drier: *See*—
Fishing line drier. Printed sheet drier.
Dust from gases, Separation of. A. Larsen. 2,041,553; May 19.
Dyeing machine. G. E. Drum and W. H. Jaxheimer. 2,041,117; May 19.
Dyestuffs of the anthraquinone series, Vat. H. Kraikalla and W. Limbacher. 2,041,550; May 19.
Earth product and making the same, Coated diatomaceous. M. S. Badollet. 2,040,818; May 19.
Electric appliance supporting means. W. H. Fischer. 2,041,327; May 19.
Electric control system. B. E. O'Hagan. 2,041,368; May 19.
Electric furnace. P. Richalet. 2,041,486; May 19.
Electric light device, Changeable. C. Bowers. 2,041,589; May 19.
Electric steam condenser. L. G. de Kermor. 2,041,116; May 19.
Electric switch. G. A. Johnson. 2,041,414; May 19.
Electrical apparatus. J. H. Geisse. 2,041,125; May 19.
Electrical capacitor. F. M. Clark. 2,051,594; May 19.
Electrical connecter. H. D. Wilson, Jr. 2,041,100; May 19.
Electrical distribution system. W. H. Frank and J. W. Harper. 2,041,675; May 19.
Electrical heating apparatus. L. C. H. Athill. 2,041,631; May 19.
Electrical testing device. C. M. Lindsay. 2,041,614; May 19.
Electrode system having unsymmetrical conductivity. E. H. Reerink and J. H. de Boer. 2,041,569; May 19.
Electron discharge device. H. Kniepkamp. 2,041,292; May 19.
Electronic tube. G. Solomon. 2,040,883; May 19.
Electropneumatic brake. C. A. Campbell. 2,040,976; May 19.
Electrostatic condenser. P. G. Jacobson. 2,041,186; May 19.
Emulsifying device. H. C. Johnson. 2,041,068; May 19.
Emulsion. W. C. O'Kane. 2,041,264; May 19.
Engine: *See*—
Internal combustion engine. Rocket engine.
Engine. V. P. McVoy. 2,040,865; May 19.
Engine cranking mechanism, Automobile. M. S. O'Brient. 2,041,479; May 19.
Engine, pump and the like, Rotary. J. Fareso, Sr. 2,041,121; May 19.
Engine starting apparatus. R. M. Nardone. 2,041,141; May 19.
Enolic sulphuric esters of hydroindanthrones, Manufacture of new. D. A. W. Fairweather and R. F. Thomson. 2,041,402; May 19.
Envelope. W. G. Schram and F. C. Birchall. 2,041,434; May 19.
Esters of boric acid. F. W. Johnson. 2,040,997; May 19.
Excavating material and machine therefor. W. J. Newman. 2,041,013; May 19.
Extractor: *See*—
Tar extractor.
Fabric: *See*—
Lockstitch knit fabric.
Fabric structure and treatment. J. Bebie and G. L. Doelling. 2,040,819; May 19.
Fabrics, Manufacture of pile. R. P. Ferreras. 2,040,840; May 19.
Fan and vibration damper, Combination. R. K. Lee. 2,041,555; May 19.
Fan and vibration damper, Combination. J. C. Zeder. 2,041,507; May 19.
Fastener: *See*—
Apparel fastener. Separable fastener.
Closure fastener. Slide fastener.
Fastener. S. T. Swidersky. 2,041,498; May 19.
Fastener secured installation and fastener member therefor. C. L. Hall. 2,041,335–6; May 19.
Fastener sliders, Making separable. G. Sundback. 2,041,156; May 19.
Fastening device. A. Supplie. 2,041,444; May 19.
Fastening-inserting machine. J. F. Standish. 2,040,885; May 19.
Faucet, Beer. F. E. Rice. 2,041,871; May 19.
Feed device. J. M. Darbaker. 2,041,235; May 19.
Feeding means for receptacle closure caps. J. A. Johnson. 2,040,851; May 19.
Felt, Papermaker's. J. P. Koester. 2,041,137; May 19.
Film. Apparatus for advancing. G. G. Moreno. 2,041,011; May 19.
Film bands, Device for accommodating wound. W. Scupin. 2,041,152; May 19.
Films and filaments, and products thereof, Preparation of. G. W. Rigby. 2,040,880; May 19.
Filter. C. G. Bennett. 2,041,043; May 19.
Filter. A. Schwiers. 2,041,495; May 19.
Filter apparatus and method. H. H. Chesny. 2,041,048; May 19.
Filters, Device for obturating multicolor. W. Gehrke and G. Strohmenger. 2,041,465; May 19.
Fire extinguisher and blowout preventer. M. Belcher. 2,041,394; May 19.
Firearm. U. Onorati. 2,041,015; May 19.
Firearms, Safety release mechanism for. C. H. Lepp. 2,041,661; May 19.
Fishing line drier, Folding. B. Johnson. 2,041,249; May 19.
Fitting for automobile brake controls, End. G. A. Gleason. 2,040,987; May 19.
Flashing. L. Friedberg. 2,041,329; May 19.
Flashlight holding device. H. Golden. 2,041,882; May 19.
Flexible shaft coupling. J. L. Taylor. 2,041,218; May 19.
Flight meter. E. J. Rogers. 2,041,151; May 19.
Float for fishing lines. V. Cantini. 2,041,322; May 19.
Flock, Apparatus for applying. W. B. Thompson. 2,041,627; May 19.
Floodlight. R. B. Benjamin. 2,040,821; May 19.
Floor polishing machine. E. S. Stinsman. 2,041,442; May 19.
Floor treating mechanism. A. E. Moorhead. 2,041,140; May 19.
Flotation device, Inflatable. D. Mapes. 2,041,662; May 19.
Flower-holding device, Ornamental. K. Shinoda. 2,041,681; May 19.
Fluid cooling system. E. R. Goldfield. 2,041,241; May 19.
Fluid pressure brake. F. B. Thomas. 2,041,307; May 19.
Fluid pressure regulating valve. W. A. McLean. 2,041,198; May 19.
Fluid straining device. D. J. Moran and E. O. Bennett. 2,041,366; May 19.
Fluid treatment apparatus. E. R. Jones, A. B. Denton and J. A. Coombs. 2,040,941; May 19.
Folding box. W. R. Quagliotti. 2,041,021; May 19.
Food product and process. Y. S. Kang. 2,040,943; May 19.
Form and carbon carrying control device. G. H. Sargent. 2,041,025; May 19.
Four-wire system with echo suppressors. H. Mayer. 2,041,562; May 19.
Foxing laying machine. E. W. Stacey. 2,041,379; May 19.
Frame for spring beds, Bottom. W. A. Holt. 2,040,995; May 19.
Frame members with metal veneer facing strips, Forming. J. F. Levan. 2,041,004; May 19.
Framing device for motion picture projectors. H. A. de Vry. 2,041,236; May 19.
Frequency range converter. G. W. Walton. 2,041,036; May 19.
Frying and cooking apparatus. W. L. Goodman. 2,041,175; May 19.
Fuel injection system for internal combustion engines. K. J. E. Hesselman. 2,040,846; May 19.
Fuel injector apparatus. R. L. Collins. 2,041,167; May 19.
Fuel pump. H. I. Grubbs. 2,041,468; May 19.
Fuel tank cap lock. C. B. Adams. 2,041,887; May 19.
Fuel tank, Safety. H. L. Adams. 2,041,450; May 19.
Furnace: *See*—
Annealing furnace. Heat treating furnace.
Electric furnace. Metallurgical furnace.
Fuse. G. R. Brown. 2,041,590; May 19.
Fuse, Electric. E. V. Sundt and B. Kollath. 2,041,383; May 19.
Fuse, Plug. R. W. King. 2,041,000; May 19.
Fuse plug. L. Ludwig. 2,041,295; May 19.
Gain control, Automatic. W. van B. Roberts. 2,041,150; May 19.
Game apparatus. A. Klemin. 2,040,855; May 19.
Garden tool. J. F. Higbee. 2,041,179; May 19.
Garment. J. E. Galaxin. 2,040,985; May 19.
Gas separator. P. R. Schreurs. 2,041,435; May 19.
Gas tank, Theftproof. H. D. Jones. 2,041,070; May 19.
Gaseous discharge apparatus, Electric. A. Claude. 2,041,595; May 19.
Gases from milk or cream or other liquids, Method of and apparatus for removing. T. E. French. 2,041,059; May 19.
Gasket, Spark plug. A. F. Klingner. 2,041,136; May 19.
Gauge: *See*—
Dental gauge.
Gauge pin. E. C. De Vorss. 2,040,981; May 19.
Gauge-tray, Gauger's and pumper's. W. S. Cain. 2,040,975; May 19.
Gearing. G. A. Gillen. 2,040,933; May 19.
Glass, Apparatus for and method of feeding molten. L. G. Bates. 2,041,222; May 19.
Glass grinding apparatus. J. H. Grimn. 2,041,642; May 19.
Glass, Safety. E. C. Cottet. 2,041,528; May 19.
Glassware forming machine. R. G. Allen. 2,041,671; May 19.

Glassware forming machine. A. G. Lauck and D. E. Grube. 2,041,552; May 19.
Glove. J. W. Green, Jr. 2,040,989; May 19.
Glove. A. Lipsshutz. 2,041,254; May 19.
Glycols, Manufacture of. R. de M. Taveau. 2,041,272; May 19.
Golf club. J. P. Gallagher. 2,041,676; May 19.
Golf game. J. Hirschauer. 2,041,678; May 19.
Grain scouring and polishing machine. C. Marston. 2,041,361; May 19.
Granulated materials, Making. T. W. Pfirrmann. 2,041,088; May 19.
Grinder and blower, Feed. J. Holland-Letz. 2,041,181; May 19.
Grinder, Knive. W. W. Hartman. 2,041,340; May 19.
Ground key valve. P. A. Johnson. 2,041,415; May 19.
Ground working device, Mobile. I. H. Noell and F. W. Hoeme. 2,041,616; May 19.
Guard for dip tanks. M. J. Uline. 2,041,622; May 19.
Gun, Casing perforating. R. M. Ridley. 2,041,209; May 19.
Gyro baseline. L. F. Carter. 2,041,526; May 19.
Hair curler. M. R. Indahl. 2,041,413; May 19.
Hair waving apparatus, Permanent. L. Goldenberg. 2,014,409; May 19.
Hair waving appliance. E. M. Meyer and E. C. Duncan. 2,041,426; May 19.
Hair waving device. P. Di-Guangco and V. Vito. 2,040,982; May 19.
Hair waving device. S. Grasso. 2,041,641; May 19.
Handwheels, Forming hand. G. J. Pannecoucke. 2,041,206; May 19.
Harness attachment. H. R. Bourn. 2,041,044; May 19.
Harrow, Disk. O. W. Sjogren, R. H. Mitchell, A. Vaughn, and D. E. Skinn. 2,041,216; May 19.
Harvester. H. D. Hume and J. E. Love. 2,041,182; May 19.
Head for internal combustion engines. B. Loeffler. 2,041,078; May 19.
Header construction for concealed windshield wipers. F. J. Westrope. 2,040,966; May 19.
Heat and sound insulating composition. G. H. Ellis. 2,041,120; May 19.
Heat distribution. S. Morse. 2,040,869; May 19.
Heat exchange device. S. Briskin. 2,040,917; May 19.
Heat exchanger. J. B. Forbes. 2,041,328; May 19.
Heat exchanger. O. W. and H. G. Mojonnier. 2,040,947; May 19.
Heat interchanger. A. F. Schumann. 2,040,959; May 19.
Heat treating furnace. W. M. Hepburn. 2,041,341; May 19.
Heater: *See*—
Asphalt heater. Motor resistance heater.
Hot water heater.
Heating and cooling system, Combined. S. M. Anderson. 2,041,039; May 19.
E. E. Adams. 2,041,449; May 19.
Heating system and apparatus. S. M. Brooks. 2,041,282; May 19.
Heating unit, Electrical. R. H. Jordan. 2,041,352; May 19.
High frequency receiver. W. Scheppmann. 2,041,433; May 19.
Holder: *See*—
Loose match holder. Shaving tool holder.
Razor blade holder. Work-holder.
Holder. C. Flack. 2,041,174; May 19.
Holder and lockbox, Milk bottle. J. H. McManus. 2,041,257; May 19.
Holder and type therefor, Rubber type. J. R. Swift and R. W. Redin. 2,041,499; May 19.
Holder for sharpening razor blades. T. B. McDiarmid. 2,041,010; May 19.
Holder for snelled fishing hooks. H. E. Collins. 2,041,231-2; May 19.
Hook: *See*—
Trap hook.
Horseshoe. G. Gash and C. M. Godby. 2,041,538; May 19.
Hot water heater. J. Keegan and T. Wadge. 2,041,071; May 19.
Humidifier. C. E. Russell. 2,041,491; May 19.
Hydrated article and making. J. E. Olson. 2,041,143; May 19.
Hydraulic control mechanism. F. S. Haas and R. L. Goetzel. 2,040,990; May 19.
Hygroscopic controlling mechanism for an electric circuit. W. B. Hodge. 2,041,658; May 19.
Hygroscopic materials at subatmospheric pressures, Treating. W. L. Fleisher. 2,041,056; May 19.
Illuminated sign. A. Kaufman. 2,041,135; May 19.
Illuminated sign. W. A. Keating and W. D. Kinsell. 2,041,189; May 19.
Illumination. H. Deschere. 2,040,836; May 19.
Illumination control system. R. L. Cooper. 2,041,458; May 19.
Impregnating composition for wood and the like. F. H. Lyons. 2,041,647; May 19.
Imprinting apparatus. E. C. Wells. 2,040,888; May 19.
Indicating device for radio receivers. G. J. Barry. 2,041,106; May 19.
Indicating device for use with clocks. G. C. H. Clayton. 2,041,115; May 19.
Injector. E. O. Corey. 2,041,527; May 19.
Inking system for printing presses. C. E. Stouch. 2,040,961; May 19.
Inner tube. E. Eger. 2,041,534; May 19.
Insecticide material and making the same. W. Moore. 2,041,298; May 19.
Instruction for stringer instrument playing, Apparatus for. L. Portnoff. 2,041,146; May 19.
Insulating compounds, Fireproof. H. C. Donaldson and J. G. Ford. 2,041,052; May 19.
Internal combustion engine. I. E. Ake. 2,040,915; May 19.
Internal combustion engine. H. E. Blomgren. 2,041,319; May 19.
Internal combustion engine. L. E. La Brie. 2,041,073-4; May 19.
Internal combustion engine. V. F. Zahodiakin. 2,041,314; May 19.
Internal combustion engine valve. V. F. Zahodiakin. 2,041,160; May 19.
Ionic discharge tube. T. J. Killian. 2,041,610; May 19.
Ironing machine. H. L. Hart. 2,040,936; May 19.
Jet pump. C. G. Wrentmore. 2,040,890; May 19.
Jewel bearing. J. H. Goss. 2,041,601; May 19.
Joint: *See*—
Casing joint.
Joint. T. Thompson. 2,041,031; May 19.
Joint and filler bridge unit with asphalt lock, Road. R. R. Robertson. 2,041,210; May 19.
Justifying device. R. P. Bernhardt. 2,041,109; May 19.
Keeper protective plate. L. J. Schmidt. 2,041,625; May 19.
Kay and key-joint. O. Föppl. 2,041,123; May 19.
Key, Valve spring. H. G. Smith. 2,040,960; May 19.
Knife. L. W. Cralley. 2,041,596; May 19.
Knitting machine. P. Kaplan. 2,041,417; May 19.
Knitting machine. E. W. Marshall and L. B. Holt. 2,040,946; May 19.
Knitting method and mechanism. L. Hirsch. 2,040,938; May 19.
Laboratory implement. J. A. Chamberlin and A. W. Owens. 2,041,229; May 19.
Ladder, Aluminum. S. H. Carbis. 2,040,977; May 19.
Laminated article and manufacture of same. J. W. Haught and E. Rodman. 2,040,937; May 19.
Lamp for projecting purposes, Electric incandescent. D. K. Wright. 2,041,583; May 19.
Larynx, Artificial. R. R. Riesz. 2,041,487; May 19.
Last, Hinged. E. J. Dumas. 2,041,400; May 19.
Lathe. L. A. Carter. 2,041,046; May 19.
Lens mount. G. G. Moreno. 2,041,012; May 19.
Light for automobiles, Safety traffic. F. R. Barclay. 2,041,315; May 19.
Light or photo printing. M. Niederle. 2,041,478; May 19.
Light polarizing bodies, Forming improved. E. H. Land. 2,041,138; May 19.
Light projecting system. T. and T. Lindenberg, Jr. 2,041,195; May 19.
Lighter for gas furnaces and the like, Automatic. W. W. Norton. 2,041,014; May 19.
Lighting system. J. H. Homrighous. 2,041,412; May 19.
Line drying reel. H. Tueckmantel. 2,041,384; May 19.
Links of separable fasteners. D. Marinsky. 2,041,558; May 19.
Linoleum, Trimming. C. H. Gluesing. 2,041,240; May 19.
Liquid bag. A. Richards. 2,041,515; May 19.
Liquids, Apparatus for heating. A. L. Wright. 2,041,630; May 19.
Liquids, Heat-treating. E. C. D'Yarmett. 2,040,837; May 19.
Lock: *See*—
Door lock. Nut lock.
Fuel tank cap lock. Transmission lock.
Lock for automobile engine hoods. P. O. Woody. 2,041,447; May 19.
Lock for a swinging window panel. E. G. Simpson. 2,041,094; May 19.
Lock washer. C. G. Olson. 2,041,568; May 19.
Locking device. S. R. Hemphill. 2,041,065; May 19.
Lockstitch knit fabric. W. Mendel and J. Titone. 2,041,664; May 19.
Loose match holder. H. Walters. 2,041,035; May 19.
Lubricants, Testing. L. Cammen. 2,041,525; May 19.
Lubricating and cooling system. A. Lack. 2,041,192; May 19.
Lubricating system. B. D. Kunkle. 2,041,191; May 19.
Luggage handling device for railway cars. B. F. Fitch. 2,041,404; May 19.
Macerator. C. A. Rietz. 2,041,207; May 19.
Machine aligning mechanism, Automatic. M. M. Hart, 2,041,339; May 19.
Machine and method for separating solids from liquids. N. Apotheker. 2,040,822; May 19.
Machine for and method of making knitted fabric. A. F. Verbeek. 2,040,965; May 19.
Machine for blowing glass articles. J. F. Rule. 2,041,517; May 19.
Machine for making photo prints on printing cylinders. J. J. Brell. 2,040,827; May 19.
Machine for operating upon sheet material. G. E. McLaughlin. 2,041,080; May 19.
Machine for operating upon shoes. E. W. Stacey. 2,041,095; May 19.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 19TH DAY OF MAY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acetyl salicylic acid solution and producing the same. L. Hirschhorn. 2,040,848; May 19.
Acid and other lower fatty acids, Dehydration of acetic. T. O. Wentworth. 2,041,668; May 19.
Acid esters and their production, Monocarboxylic. H. S. Holt. 2,040,849; May 19.
Acid, Production of furoic. L. L. Isenhour. 2,041,184; May 19.
Acids, Concentration of aliphatic. H. Dreyfus. 2,040,926; May 19.
Acoustic device. D. F. Burke. 2,041,163; May 19.
Acoustic device. A. B. Thuras. 2,041,157; May 19.
Acoustic tensiometer. M. N. Pfeil. 2,040,874; May 19.
Acylamino derivatives of the anthrapyrimidine series. M. A. Kunz and K. Koeberle. 2,040,857; May 19.
Adhesive. N. H. Bjerg. 2,040,916; May 19.
Adjustable seat. J. M. Maslowski. 2,041,615; May 19.
Adjusting apparatus. V. W. Thomas. 2,041,500; May 19.
Advertising device. R. F. Outcault. 2,040,950; May 19.
Advertising device. E. W. Stephenson. 2,041,497; May 19.
Air conditioner, Unitary. C. Christofferson and A. G. Wahlberg. 2,040,920; May 19.
Air conditioning system for motor vehicles. S. C. Farnese. 2,041,598; May 19.
Aircraft. I. M. Uppercu. 2,041,623; May 19.
Air painting device. J. A. Paasche. 2,041,482; May 19.
Air retaining means for refrigerators. C. B. Mitchell. 2,041,258; May 19.
Alarm apparatus. B. Goldstone. 2,041,540; May 19.
Alarm device. A. Jaeger. 2,041,549; May 19.
Alcohols, Producing polyhydroxy. W. A. Lazier. 2,040,944; May 19.
Alkoxy-alkyl-amino-benzothiazoles and their production. M. Engelmann. 2,040,928; May 19.
Alloy, Aluminum. J. B. Bates. 2,041,042; May 19.
Alloy, Pulverulent. L. Schlecht and A. Heinzel. 2,041,493; May 19.
Amorphous solids, Flaking. R. E. Zinn. 2,041,448; May 19.
Amplifier volume control. H. A. Wheeler. 2,041,273; May 19.
Anesthetic apparatus. R. V. Foregger. 2,041,406; May 19.
Annealing apparatus. F. J. Winder and L. L. Swift. 2,041,312; May 19.
Annealing furnace. C. B. Hoak. 2,040,994; May 19.
Anthrapyrimidine series, Compounds of the. M. A. Kunz and K. Koeberle. 2,040,859; May 19.
Anthrapyrimidines and their production. M. A. Kunz and K. Koeberle. 2,040,861; May 19.
Anthrapyrimidines, Production of. M. A. Kunz and K. Koeberle. 2,040,858; May 19.
Anthrapyrimidines, Production of. M. A. Kunz and K. Koeberle. 2,040,860; May 19.
Apparel fastener. S. Samuel. 2,041,624; May 19.
Aqueous solutions of therapeutically valuable compounds and preparing them. L. Benda. 2,040,973; May 19.
Articles of clothing and the like for laundry and similar purposes, Marking. F. G. Tillet. 2,041,628; May 19.
Artificial masses. A. Voss and E. Dickhäuser. 2,041,502; May 19.
Artificial masses, Manufacture of. A. Gams and K. Frey. 2,041,330; May 19.
Artillery wheel. C. L. Eksergian. 2,041,326; May 19.
Asphalt heater. J. S. Littleford, Jr. 2,041,859; May 19.
Asphaltic composition. U. B. Bray. 2,041,279; May 19.
Automatic machine. J. Verderber and E. F. Batterman. 2,041,309; May 19.
Automobile. C. Breer. 2,041,522; May 19.
Automobile distress signal. C. F. De Lannoy. 2,041,325; May 19.
Axle aligner, Vehicle. A. R. Le Moon. 2,041,660; May 19.
Axle, Automobile front wheel drive. W. Selakosky. 2,041,572; May 19.
Axle, Roller bearing. T. V. Buckwalter. 2,041,162; May 19.
Azo-dyestuffs and making the same. G. Bonhôte and C. Apotheker. 2,041,455; May 19.
Bag: *See*—
Liquid bag.
Bag closure. J. A. Finegan. 2,041,289; May 19.
Bag emptying device. G. S. Eldred. 2,041,401; May 19.
Bag making machine. A. A. Scholl and A. Novick. 2,041,301; May 19.
Bags, Making compartment. G. W. Poppe. 2,040,953; May 19.
Band brake. P. M. Fromaget. 2,041,536; May 19.
Bands around pens or pencils, Securing. I. Salz. 2,041,518; May 19.
Bar and hinge lug therefor, Binder. G. W. Newman. 2,041,203; May 19.
Bar and rack, Supporting. F. W. Schmidt. 2,041,376; May 19.
Bars, Jointing of muntin or cross. S. B. Dallas. 2,041,051; May 19.
Barometric device. P. H. Stanley. 2,041,028; May 19.
Basket construction. A. Hewson. 2,040,993; May 19.
Bearing: *See*—
Jewel bearing.
Bearing for railroad vehicle axles, Lubricated. V. A. Bary. 2,041,390; May 19.
Bearing for rail vehicles, Axle. V. A. Bary. 2,041,389; May 19.
Bearing lubrication. J. Dolza. 2,040,924; May 19.
Bending apparatus, Irregular. R. A. Mitchell and F. G. Tuerk. 2,041,365; May 19.
Bent pipe. B. De H. Miller. 2,041,199; May 19.
Beryllium by electrolysis, Preparation of metallic. G. Jaeger. 2,041,131; May 19.
Beverage cooling and dispensing apparatus. M. Senese. 2,041,026; May 19.
Binder apparatus, Adjustable. M. Murino and V. Petilli. 2,040,870; May 19.
Binder, Loose leaf. J. C. Dawson. 2,041,168; May 19.
Biscuits from oven conveyers, Removing. R. Savy. 2,041,091; May 19.
Bit cleaner. E. Green. 2,041,467; May 19.
Bituminous dispersions for coatings or coverings and preparing them. K. Daimler. 2,041,234; May 19.
Block mold. L. F. Hewett. 2,041,289; May 19.
Board: *See*—
Bridge problem work board.
Boiler. W. H. Armacost. 2,041,388; May 19.
Book rack. P. W. Pennington. 2,041,017; May 19.
Bowls, rollers, and such like, Manufacture of squeezing or expressing. D. Bamford. 2,041,520; May 19.
Box: *See*—
Folding box.
Box. H. W. Rueber. 2,041,024; May 19.
Box assembly, Flexible stuffing. E. O. Bennett. 2,041,316; May 19.
Boxes, Attachment for rural mail. H. K. Boling. 2,041,588; May 19.
Brake: *See*—
Band brake. Fluid pressure brake.
Electropneumatic brake.
Brake. F. C. Frank. 2,041,462-3; May 19.
Brake. L. E. La Brie. 2,041,476; May 19.
Brake. R. S. Sanford. 2,041,492; May 19.
Brake actuating device. F. J. Van Laanen, Jr. 2,041,385; May 19.
Brake cooling means. J. R. Cautley. 2,041,457; May 19.
Brake for railway trains, Automatic. P. Hallot. 2,041,603; May 19.
Brake mechanism. C. W. Sewell. 2,041,268; May 19.
Brass and bronze secondary metals, Treating. J. O. Betterton and A. J. Phillips. 2,040,826; May 19.
Bridge problem work board. D. G. Aronberg. 2,041,452; May 19.
Bridle attachment. W. B. Stephens. 2,041,620; May 19.
Broach, Surface. F. J. Lapointe. 2,041,551; May 19.
Brooder, Chicken. J. W. Crawford. 2,041,049; May 19.
Brush, Fountain. G. G. Fairchild. 2,041,173; May 19.
Brush, Magazine. S. Hellwell. 2,041,605; May 19.
Building construction. W. R. Hodgins. 2,041,546; May 19.
Building material. M. L. MacDonald and A. Vida. 2,040,863; May 19.
Bunsen burner. C. J. Johnson. 2,041,348; May 19.
Burner: *See*—
Bunsen burner.
Burner. M. Frisch. 2,041,535; May 19.
Bush. L. H. P. Bastin. 2,041,107; May 19.
Buttonhole accessory, Garment. J. W. Steele. 2,041,575; May 19.
Cabinet panel board unit. F. J. Bucher. 2,041,112; May 19.
Cabinet, Spraying. D. E. Knowlton. 2,041,001; May 19.
Cabinet, Vending machine. W. H. Rowe. 2,041,089; May 19.
Cable cutting device. F. J. Van Laanen, Jr. 2,041,386; May 19.
Cable outlet, Parkway. O. S. Flath. 2,041,055; May 19.
Cable terminal. A. Aumer. 2,040,817; May 19.
Calcium-base lithopone. H. F. Saunders. 2,041,618; May 19.
Calendar. K. Clark and A. G. Mitchell. 2,041,652; May 19.

Calendar. L. L. Vierling. 2,041,097; May 19.
Call recording apparatus for telephones. J. E. Laskin. 2,041,554; May 19.
Cam grinding apparatus. C. J. Green. 2,041,244; May 19.
Cam lubricating means. Le R. S. Dunham. 2,041,053; May 19.
Camera, Cinematographic and photographic. O. Barnack. 2,041,632; May 19.
Camera, Photographic. O. Barnack. 2,041,633; May 19.
Camera, Photographic. O. W. Githens. 2,040,935; May 19.
Can filling machine. G. D. Gardner. 2,041,060; May 19.
Can or like cabinet, Garbage. J. A. Wisner. 2,041,038; May 19.
Candle wax from holders, Apparatus for removing. C. A. Gribble. 2,041,542; May 19.
Cane or walking stick. L. Hage. 2,041,334; May 19.
Canopy frame for swings. E. L. Weaver. 2,041,503; May 19.
Cap for receptacles, Closure. A. R. Fergusson. 2,041,403; May 19.
Car axle drive. C. F. Gerlinger. 2,040,932; May 19.
Car construction, Railway. G. G. Gilpin. 2,041,407; May 19.
Car structure. E. W. Schellentrager. 2,041,211; May 19.
Car wall, Railway. W. J. Tangerman. 2,041,651; May 19.
Carbon, Producing activated. W. Fuchs. 2,040,931; May 19.
Carburetor. F. J. and W. H. Burrows. 2,041,524; May 19.
Carburetor. L. M. Crabb. 2,040,922; May 19.
Carrier: *See*—
Umbrella carrier.
Carrier for continuous kilns, Ware F. M. Hartford. 2,041,176; May 19.
Carrier for kites, Parachute. E. W. Cutshall. 2,041,283; May 19.
Carrier for magnetic recording. H. Oexmann. 2,041,480; May 19.
Carton. H. A. Inman. 2,041,609; May 19.
Cartridge shell. E. Leussler. 2,041,253; May 19.
Casing joint. H. Waymeyer. 2,041,037; May 19.
Catch, Safety. E. Morehouse. 2,041,367; May 19.
Cathode, Indirectly heated. B. Erber, M. Furcht, and F. Gantner. 2,041,286; May 19.
Cellulose derivative compositions. N. D. Scott. 2,040,882; May 19.
Cellulose ester composition. H. A. Auden and H. P. Staudinger. 2,040,971; May 19.
Cement, Production of. J. Norvig. 2,041,142; May 19.
Cereal products, Manufacture of. C. Hoffman. 2,041,129; May 19.
Chains, Manufacture and rebuilding of cutter. J. F. Joy 2,040,852; May 19.
Chart, Oculist's. A. B. Covelle. 2,041,459; May 19.
Chitin and producing the same, Substantially undegraded deacetylated. G. W. Rigby. 2,040,879; May 19.
Chromium, Electrolytic deposition of. F. A. Rojas. 2,040,881; May 19.
Circuit, Carrier augmentation. W. S. Barden. 2,041,040; May 19.
Circuit closer. S. P. Caldwell. 2,040,919; May 19.
Circuit, Detector. J. K. Johnson. 2,041,291; May 19.
Circuit, Grouping. G. N. Saul and J. B. Shiel. 2,041,090; May 19.
Circuit, Telephone transmission. S. B. Wright and D. Mitchell. 2,041,101; May 19.
Circuits, Electrical discharge tube. L. F. B. Carini. 2,041,114; May 19.
Clamp: *See*—
Terminal clamp.
Clamp. C. H. Walker. 2,041,311; May 19.
Clasp or connecter, Terminal C H. Kestenman. 2,041,354; May 19.
Clay working machine. C. M. Steele. 2,041,619; May 19.
Cleaner: *See*—
Bit cleaner.
Clip: *See*—
Radiator cover clip.
Clock, Electric. J. Berti. 2,041,395; May 19.
Closure device. G. Leonard. 2,041,252; May 19.
Closure fastener. J. R. Burbridge. 2,041,396; May 19.
Closure for collapsible tubes. W. L. Jones. 2,041,351; May 19.
Clutch control mechanism. V. W. Kliesrath. 2,041,475; May 19.
Coating, Corrosion resisting. C. E. Heussner. 2,041,545; May 19.
Coin controlled mechanism. F. C. Du Grenier. 2,040,983; May 19.
Coking of bituminous or asphaltic liquids, Apparatus for the. B. S. Petersen. 2,040,875; May 19.
Collar and cuff pressing machine. G. Weisberg. 2,041,581; May 19.
Color receptacle. A. Rusicka. 2,041,571; May 19.
Compass, Magnetic. P. Kollsman. 2,041,072; May 19.
Compounds of the anthranyrimidine series. M. A. Kuns, and K. Koeberle. 2,040,859; May 19.
Compounds of the anthrapyrimidine series. M. A. Kuns and K. Koeberle. 2,040,862; May 19.
Compressor. F. B. Hunt. 2,041,659; May 19.
Compressor, Refrigerant. W. Hirche. 2,041,128; May 19.
Condensation product and making the same. A. G. Hovey. 2,041,248; May 19.
Condensation products, Water soluble sulphonated. E. A. Manersberger. 2,041,560; May 19.
Condenser: *See*—
Electric steam condenser. Electrostatic condenser.
Condenser. M. H. Bennett. 2,041,230; May 19.
Condenser. U. A. Taddiken. 2,040,963; May 19.
Conductor, Insulated electrical. W. S. Smith, H. J. Garnett, and J. N. Dean. 2,041,269; May 19.
Conductor, Safety. E. O. Schweitzer. 2,041,093; May 19.
Conduit, Flexible. I. Cowles. 2,040,834; May 19.
Connecter: *See*—
Electrical connecter. Wire connecter.
Train pipe connecter.
Connector device. M. Schottenfels. 2,040,958; May 19.
Connection, Cable. A. Rosner. 2,041,489; May 19.
Connection, Flexible. W. B. Harris. 2,040,992; May 19.
Container: *See*—
Dispensing container. Material container.
Container. S. A. Wood and F. D. Jonas. 2,041,274; May 19.
Container construction. R. A. Dorsey. 2,041,170; May 19.
Containers, Making nonmetallic. H. T. Kraft. 2,041,357; May 19.
Containers, Producing. H. B. Rudd. 2,041,516; May 19.
Control apparatus for engine starters. J. B. Dyer and J. L. Arthur. 2,041,171; May 19.
Control device. B. A. Brown, C. H. Kindl, and R. C. Kestle. 2,041,161; May 19.
Control device. H. A. Mantz. 2,040,864; May 19.
Control device. R. A. Tollefsen. 2,041,579; May 19.
Control mechanism. A. A. Marks. 2,041,559; May 19.
Control system. A. Suksdorf. 2,041,576; May 19.
Cooler. G. B. Bright and M. H. Olstad. 2,040,828; May 19.
Coordinator for main and auxiliary sources of electricity, Automatic. F. C. Stevey. 2,041,306; May 19.
Copy conveyer. F. G. Henry. 2,041,411; May 19.
Cord, Cellulose. M. Kats. 2,041,418; May 19.
Core drill. E. Whinnen. 2,040,889; May 19.
Cork articles, Manufacture of. Q. J. Schwarz. 2,041,377; May 19.
Corn picker snapping roll. C. Marxman. 2,041,139; May 19.
Corrosive substances from hydrocarbons, Removing. W. Miller. 2,041,364; May 19.
Counterbalance for extra capacity head, Auxiliary. E. R. Goldfield. 2,041,242; May 19.
Coupling: *See*—
Flexible shaft coupling.
Pipe coupling. Shaft coupling.
Cover: *See*—
Tub cover.
Cover and coaster, Sanitary tumbler. C. W. Meinecke. 2,041,563; May 19.
Cover strut. H. W. Robinson. 2,041,617; May 19.
Crank and gear case cleaning apparatus. J. K. Delano. 2,041,529; May 19.
Crankpin grinding machine. H. A. Silven. 2,041,215; May 19.
Crate, Bottle. L. Hale. 2,041,062–3; May 19.
Crate, Collapsible. J. R. Wheeling. 2,041,582; May 19.
Cruller machine. C. Roth. 2,041,432; May 19.
Crystallization, Method of inducing. A. A. Lund. 2,041,197; May 19.
Culvert, Knock-down. A. C. Schroeder, Jr. 2,041,267; May 19.
Cup: *See*—
Paper or similar cup.
Current into direct current and vice versa, Converting alternating. E. Marx. 2,041,663; May 19.
Cuticle remover and removing cuticle. D. G. Thuesen. 2,041,158; May 19.
Cyclic process of treating alkaline pulps. G. A. Richter. 2,041,666; May 19.
Cylinder for fluid-operated systems, Master. E. G. Carroll. 2,041,164; May 19.
Damper, Louver. H. J. Young. 2,040,898; May 19.
Dental gauge. F. W. Cubbage. 2,040,835; May 19.
Dentifrice polishing base. J. Janota, Jr. 2,041,473; May 19.
Designs upon very heavy rollers for color printing purposes, Producing. G. P. Varley and A. Clarke. 2,041,501; May 19.
Differential control mechanism, Adjustable. L. L. Cunningham. 2,041,050; May 19.
Digesting process and apparatus. T. L. Dunbar. 2,041,597; May 19.
Directional receiver. H. O. Peterson. 2,040,952; May 19.
Disher. L. Myers. 2,041,200; May 19.
Dispenser and making the same. D. D. Kuhlke. 2,041,190; May 19.
Dispensing container. R. E. Jacobs. 2,041,185; May 19.
Display device. C. E. Chase and J. Knoche. 2,041,165; May 19.
Display stand. V. V. Pottorff. 2,041,370; May 19.
Distributing mechanism. M. Frisch. 2,040,930; May 19.

Stoker, Automatic. J. P. Norton. 2,041,204; May 19.
Stop, Door. F. J. Flyn. 2,041,430; May 19.
Stop mechanism for loopers. T. H. De Spain. 2,041,673; May 19.
Stop signal. N. S. Hillyard. 2,041,178; May 19.
Stove, Gas. L. Moore and I. S. Holloway. 2,040,948; May 19.
Stove, Gasoline. G. E. Pickup. 2,041,145; May 19.
Stove, Heating. L. S. Chadwick. 2,041,226; May 19.
Striper, Fountain. M. Rasmussen. 2,041,022; May 19.
Subterranean structure. C. Gottwald. 2,041,243; May 19.
Sulphur-mining bleed-water, Treating. C. E. Butterworth and J. W. Schwab. 2,041,397; May 19.
Sun bath seat. C. J. Katenkamp. 2,040,942; May 19.
Supporter, Breast. P. Howard. 2,041,066; May 19.
Surface wheel. G. W. Rienks. 2,041,208; May 19.
Surgical instrument. S. J. Blumenthal. 2,041,521; May 19.
Swinging buck press. A. Matthews. 2,041,009; May 19.
Switch: *See*—
Electric switch. Tire gauge switch.
Thermostatic switch.
Switch. H. C. Kalwitz. 2,041,250; May 19.
Switch mechanism, Automatic controlling. C. Yeomans. 2,040,892; May 19.
Table: *See*—
Operating table.
Table. H. Siewers. 2,041,438; May 19.
Tabulating machines, Ribbon shift mechanism for. R. Duncan and L. F. Wilkinson. 2,041,637; May 19.
Tabulating or accounting machine. R. D. McCormack. 2,041,256; May 19.
Tank: *See*—
Fuel tank. Gas tank.
Tank. A. C. Bean and J. B. Ray. 2,041,392; May 19.
Tank vehicle. R. A. Bradley and V. C. Norquist. 2,041,320; May 19.
Tape advancing device. H. L. Krum and W. J. Zenner. 2,040,856; May 19.
Tape and thread. Device for packaging. B. C. Creed. 2,041,324; May 19.
Tape, Stenciling. H. E. Gragg. 2,040,988; May 19.
Tar extractor. W. R. Pendry. 2,041,016; May 19.
Teeth and gums, Massaging and cleansing device for. E. L. Ness. 2,041,262; May 19.
Telemetering device. C. W. Bristol. 2,040,918; May 19.
Telephone system. O. Myers. 2,041,083–4; May 19.
Telephone system. R. L. Stokely. 2,041,096; May 19.
Telephone transmission circuit. L. G. Abraham and D. Mitchell. 2,040,970; May 19.
Television. F. Gray. 2,041,127; May 19.
Television system. W. L. Carlson. 2,041,456; May 19.
Temperature control apparatus. E. H. Hammond. 2,041,544; May 19.
Temperature controlling device, Maximum. E. S. Cornell, Jr. 2,041,553; May 19.
Temperature generating and control system. H. L. Shapard. 2,041,573; May 19.
Terminal clamp. G. F. Lincks. 2,041,613; May 19.
Terminal construction for resistance elements, Enclosed. N. C. Schellenger. 2,041,212; May 19.
Test plate, Agglutinating. W. P. Jackson. 2,041,290; May 19.
Testing apparatus. V. L. Johannessen. 2,041,067; May 19.
Tetrahalogeno - ortho - aminophenols. M. Raeck. 2,041,512–13; May 19.
Textile materials, Apparatus for dyeing loose. L. B. Hasbrouck. 2,041,471; May 19.
Textile materials, Coloration of. G. H. Ellis and E. W. Kirk. 2,040,927; May 19.
Textile operation. H. Dreyfus. 2,040,925; May 19.
Theater building. T. Lindenberg. 2,041,194; May 19.
Theobromine, Manufacture of. E. A. Mauersberger. 2,041,561; May 19.
Thermostat. W. N. Mischler. 2,041,566; May 19.
Thermostat, Electric clock. A. G. McNicoll. 2,041,363; May 19.
Thermostatic switch. G. H. Hart. 2,041,246; May 19.
Thermostatic switch. J. E. Smith. 2,041,804; May 19.
Thermostatic switching mechanism. J. P. Kriechbaum. 2,041,645; May 19.
Thread cleaning machine for pipes and tubes. H. B. Lynch. 2,041,005; May 19.
Thread cutting mechanism. C. Sintz. 2,041,027; May 19.
Thread cutting tool. I. A. Morberg. 2,041,082; May 19.
Thread winding mechanism. H. S. Drum and W. C. Dodson. 2,041,118; May 19.
Time indicating mechanism. N. Hogenbirk. 2,041,342; May 19.
Timepiece. G. Liengme. 2,041,557; May 19.
Timing device. C. T. Coppage. 2,041,328; May 19.
Tip for tapping rods, Resilient. G. T. Meyer. 2,041,427; May 19.
Tire gauge switch, Automatic. H. Wright and H. Hemperly. 2,040,891; May 19.
Tire inflator. K. M. Moody. 2,040,868; May 19.
Titanium compounds and making same. C. J. Kinzie and D. S. Hake. 2,040,854; May 19.
Titanium dioxide, Production of. B. W. Allan. 2,040,823; May 19.
Tobacco for insecticidal purposes, Drying. R. G. Mewborne. 2,040,871; May 19.
Toilet, Sanitary. J. H. Janda. 2,041,187; May 19.
Tolyl carbinol, Producing. W. J. Amend. 2,040,913; May 19.
Tone control, Automatic. W. van B. Roberts. 2,040,954; May 19.
Tool: *See*—
Garden tool. Thread cutting tool.
Machine tool.
Tool and making the same, Cutting. F. O. Jaques. 2,041,347; May 19.
Tool for valve seats, Refacing. L. O. Beard. 2,041,587; May 19.
Tool joint cut-off device. L. G. Gates, H. N. Herrick, O. A. Cavins, and W. R. Postlewaite. 2,041,061; May 19.
Tool, Making a. F. O. Jaques. 2,041,345; May 19.
Tool, Making an abrasive cutting. F. O. Jacques. 2,041,346; May 19.
Tools in holders, Device for loading. S. A. Cogsdill. 2,040,978; May 19.
Torch machine, Universal. J. L. Anderson. 2,040,914; May 19.
Toxic antifouling material. L. C. Hurd. 2,041,130; May 19.
Toy corner block construction. F. E. and F. D. Jones. 2,041,069; May 19.
Toy valise. L. S. Bigelow. 2,040,974; May 19.
Track circuit apparatus, Railway. H. D. Abernethy. 2,040,969; May 19.
Tractor wheel. J. Donderer. 2,041,460; May 19.
Train orders, Apparatus for delivering. L. J. Hendrickson. 2,041,247; May 19.
Train pipe connecter, Automatic. R. J. Wittmer. 2,040,968; May 19.
Tram system, Suspension. J. B. Strauss. 2,040,886; May 19.
Transmission. R. Chilton. 2,040,831–3; May 19.
Transmission. R. Chilton. 2,041,284; May 19.
Transmission control system. C. E. Fay. 2,041,122; May 19.
Transmission device. C. E. Paine. 2,041,665; May 19.
Transmission lock. A. A. Sundin. 2,041,621; May 19.
Transmission mechanism, Lockable freewheel. R. Warren. 2,041,445; May 19.
Transmission system, High frequency. P. H. Smith. 2,041,378; May 19.
Trap. J. Orgeron. 2,040,873; May 19.
Trap hook. E. Boyko. 2,041,634; May 19.
Tread, Safety. E. Van der Pyl. 2,041,032; May 19.
Trolley system and device. L. W. Birch. 2,041,110; May 19.
Tub cover. C. G. Frantz. 2,041,464; May 19.
Tube: *See*—
Electronic tube. Inner tube.
Ionic discharge tube.
Tube and manufacturing the same. H. St. Laurent. 2,041,270; May 19.
Tube assemblies, Method of and apparatus for making and treating. B. L. Quarnstrom. 2,040,877; May 19.
Tubing, Bending. W. Milligan. 2,041,428; May 19.
Tubing, Flexible. S. Guarnaschelli. 2,041,543; May 19.
Tubing plug valve. C. O. Moss. 2,041,508; May 19.
Turbo-machine. M. Reiffenstein. 2,041,570; May 19.
Umbrella carrier. F. L. Schultze. 2,041,494; May 19.
Unloader for washed cans and covers. E. R. Alling. 2,041,451; May 19.
Valve: *See*—
Diverter valve. Measuring valve.
Fluid pressure regulating valve. Regulator pilot valve.
Ground key valve. Solenoid valve.
Internal combustion engine valve. Tubing plug valve.
Valve. B. B. Whittle. 2,041,669; May 19.
Valve for fluid compressors, Unloader. F. L. Tarleton. 2,040,964; May 19.
Valve spring arrangement. M. Gaultier. 2,041,539; May 19.
Valve stem and handle locking means. F. Perry. 2,041,300; May 19.
Vanity case. S. Morrison. 2,041,259–60; May 19.
Vegetable and fruit skin removing device. N. T. Brown. 2,041,111; May 19.
Vehicle construction. D. Fergusson. 2,041,599; May 19.
Vehicle, Motor. O. F. Quartullo. 2,041,484; May 19.
Vehicle signal. H. C. Doane. 2,040,923; May 19.
Vibration dampener. R. K. Lee. 2,041,556; May 19.
Voltage measuring system. A. L. Matte. 2,041,008; May 19.
Voltage regulator. H. Harz. 2,041,177; May 19.
Voltage regulator. A. Huet. 2,041,643; May 19.
Volume and fidelity control, Automatic. W. van B. Roberts. 2,040,955; May 19.
Volume control, Automatic. K. Wilhelm. 2,040,967; May 19.
Volume control means for variable density sound recording. E. H. Hansen. 2,041,470; May 19.
Washer: *See*—
Lock washer.
Washing machine. A. E. Koon. 2,041,293; May 19.
Washing machine means for elevating clothes therein. A. J. Georgilas. 2,041,639; May 19.
Water, Purification of. M. Adler. 2,041,584; May 19.

Wave energy, Method and apparatus for the determination of direction of a source of. B. R. Hubbard. 2,040,850; May 19.
Wave signaling method and apparatus. P. M. Haffcke. 2,041,245; May 19.
Wave transmission network. H. Whittle. 2,041,098; May 19.
Wear receiving element for brake heads. V. H. Harbert. 2,041,064; May 19.
Wear testing machine. C. O. Strom. 2,040,962; May 19.
Weather stripping for doors. M. E. Muse. 2,041,261; May 19.
Web controller. T. H. Grozier. 2,041,602; May 19.
Weed puller. M. Nirdlinger. 2,041,263; May 19.
Weighing machine, Automatic. E. L. Wicks. 2,041,629; May 19.
Welding machine. J. M. Floyd, L. E. Long, J. W. Nash, and H. H. Dibble. 2,041,461; May 19.
Wells in cavernous strata, Boring. J. W. O'Brien. 2,041,086; May 19.
Wheel: *See*—
Artillery wheel.
Steering wheel.
Surface wheel.
Tractor wheel.
Wheel. W. Stelzer. 2,041,441; May 19.
Wheel construction for detachable trailers, Fifth. L. M. Francis. 2,041,124; May 19.
Wheel or other wheel, Railroad car. A. L. Runyan. 2,041,490; May 19.
Wheels, Making. F. R. Hight. 2,041,656; May 19.
Wheels, Making. E. A. Nelson. 2,041,202; May 19.
Wheels, Making spoked. F. R. Hight. 2,041,657; May 19.
Winding head. A. Wylie. 2,041,102; May 19.
Wire connecter, Unit solderless. R. A. Becker, Sr., and S. P. Becker. 2,041,108; May 19.
Wood treating preparation. G. Gunn. 2,041,655; May 19.
Work-holder. D. H. Chason. 2,041,230; May 19.
Wrapper for powder, granular, or similar substances. J. W. Chalmers. 2,041,227–8; May 19.
Wrapping for block shaped articles. W. J. Kemp. 2,041,679; May 19.
Zinc bearing ores and recovering zinc oxide therefrom, Treating. T. A. Mitchell and R. L. Sessions. 2,040,867; May 19.
Zinc oxide, Producing. E. Feuer and P. Kemp. 2,041,237; May 19.

Machine for roughing shoe parts. C. G. Brostrom. 2,040,829; May 19.
Machine for treating pipe and pipe lines. H. L. Harrison. 2,041,337; May 19.
Machine for vending tickets. W. J. Doherty and E. F. Gilford. 2,041,636; May 19.
Machine tool. A. Oberhoffken. 2,040,872; May 19.
Magnesium articles, Treating. J. A. Gann and W. H. Gross. 2,041,331; May 19.
Magnesium products, Manufacturing. H. H. Chesny, W. H. Farnsworth, and P. D. V. Manning. 2,041,047; May 19.
Marker, Golf course. C. G. Dugane. 2,041,119; May 19.
Marking device. H. M. Smallen. 2,041,574; May 19.
Material container. E. B. Robinson. 2,041,488; May 19.
Material feeding and measuring apparatus. E. E. Harper. 2,041,604; May 19.
Matting, Making resilient. H. T. Kraft. 2,041,356; May 19.
Measuring valve. S. S. Roberts. 2,041,023; May 19.
Mechanical movement. G. A. Gillen. 2,040,934; May 19.
Mechanism for selecting and operating any desired one of a plurality of rods or the like. C. H. Humphreys. 2,041,608; May 19.
Membrane, Making metallic-coated. R. S. Moore. 2,041,297; May 19.
Metal, Method of rolling. E. Marburg. 2,041,255; May 19.
Metal, Treating. A. R. Stargardter. 2,041,029; May 19.
Metals, alloys, and the like, Apparatus for producing carbon-free. H. Gruber and W. Rohn. 2,041,333; May 19.
Metals, Changing the grain structure of. C. J. Holslag. 2,041,343; May 19.
Metals, Method and apparatus for determining the physical characteristics of. F. N. Fossati. 2,041,058; May 19.
Metallurgical furnace. R. L. Leventry. 2,041,612; May 19.
Metalworking process. W. E. Sanders. 2,040,957; May 19.
Meter: *See*—
Flight meter.
Milk pasteurizing and cooling unit. E. Prestage. 2,041,483; May 19.
Mill: *See*—
Rolling mill.
Mill guide, Rolling. E. G. Crozier and J. R. Post. 2,040,979; May 19.
Mineral aggregate, Method and apparatus for conditioning. H. M. Stafford. 2,041,155; May 19.
Mining machine. F. A. Lindgren. 2,041,420; May 19.
Mirror. J. E. Thomas. 2,041,667; May 19.
Mold: *See*—
Block mold.
Moldboard for plows. R. J. Altgelt. 2,041,519; May 19.
Mold for retreading tires. J. Brasty. 2,041,321; May 19.
Monocontrol mechanism. C. D. Fator. 2,040,839; May 19.
Mop. C. Fatland. 2,041,054; May 19.
Moth life, Destroying. M. E. Wade. 2,041,219; May 19.
Motor: *See*—
Pressure fluid motor.
Motor control, System and apparatus for. J. F. Tritle. 2,041,580; May 19.
Motor drive, Synchronous. E. G. Parvin. 2,041,510; May 19.
Motor resistance heater. R. J. Parsons and J. W. Conway. 2,040,951; May 19.
Mounting for ophthalmic lenses. G. A. Squier. 2,041,440; May 19.
Mounting for rings. J. E. Lemmon. 2,041,075; May 19.
Mounting, Motor. H. T. Woolson. 2,041,506; May 19.
Mounting, Shockless. M. W. Kenney and A. R. Constantine. 2,041,353; May 19.
Mouth spreader. H. O. von Rosenberg. 2,041,034; May 19.
Mower, Power lawn. E. S. George and H. L. Blydenburgh. 2,041,126; May 19.
Nail stripper. E. C. Follett and A. W. Heater. 2,041,057; May 19.
Needle. T. H. De Spain. 2,041,674; May 19.
Needles, Method and machine for making knitting. A. Hofmann. 2,041,547; May 19.
Negative carrier for photographic printing machines. H. E. Saunders. 2,041,373; May 19.
Nipple for nursing bottles. P. E. Young. 2,041,670; May 19.
Nitrates, Production of. C. C. Weston. 2,041,504; May 19.
Nut lock. B. F. Money. 2,041,477; May 19.
Oil, Penetrating. B. H. Lincoln and A. Henriksen. 2,041,076; May 19.
Oil, Refining mineral. M. H. Tuttle. 2,041,308; May 19.
Oils, Apparatus for cracking hydrocarbon. E. C. D'Yarmett. 2,040,838; May 19.
Oils from mineral oils, Recovery and purification of lubricating. F. X. Govers. 2,041,677; May 19.
Oils, Treating. B. G. Aldridge and B. Hopper. 2,041,278; May 19.
Oils, Treating. U. B. Bray. 2,041,275–7; May 19.
Oleines, Esterification of. W. M. Lee. 2,041,193; May 19.
Opener and sealer, Bottle. G. J. Bauch. 2,041,391; May 19.
Opener, Can H. V. Gould. 2,041,288; May 19.
Operating mechanism for overhead doors. W. M. Brunst. 2,041,221; May 19.
Operating mechanism for railway car doors. J. S. Swann. 2,041,650; May 19.
Operating table, Undertaker's. E. Ocasek. 2,041,087; May 19.
Ores and the like, Sintering and roasting. A. Holmberg. 2,041,472; May 19.
Orientating and carton feeding device. J. A. Lidberg and A. S. Chandler. 2,041,358; May 19.
Ornamental article and fabricating the same. J. N. Otar. 2,041,481; May 19.
Oscillator, Crystal controlled. D. W. R. Goddard. 2,041,406; May 19.
Oven and system of ventilation therefor. H. E. Somes. 2,040,884; May 19.
Oxides of lead, tin, and zinc, Treating mixed. J. O. Betterton and A. J. Phillips. 2,040,825; May 19.
Package. G. S. Frost. 2,041,537; May 19.
Package for cigarettes or cigars and matches. A. M. Holtzman. 2,041,548; May 19.
Packer, packer setting tool, and bottom shut-off valve, Combination. J. C. Singleton. 2,041,439; May 19.
Packet, Protective. C. R. Sutherland. 2,041,577; May 19.
Packing. N. B. Miller. 2,041,565; May 19.
Pad for jewelry boxes, Display. J. M. Shields. 2,041,303; May 19.
Pan, Baking. W. H. Hungerford. 2,040,996; May 19.
Paper and carbon sheets, Apparatus for aligning. W. C. Pfeiffer. 2,041,019; May 19.
Paper and making the same, Parchment. F. O. Reiss. 2,041,485; May 19.
Paper, Making. F. J. Lang. 2,041,294; May 19.
Paper manufacture. H. K. Rafton. 2,040,878; May 19.
Paper or similar cup. M. Sidon. 2,041,437; May 19.
Paper receptacle, Paraffined. J. J. Schmerler. 2,041,374; May 19.
Paper sizing. J. A. De Cew. 2,041,285; May 19.
Pavements, Method and apparatus for treating sunken composite. J. W. Poulter. 2,041,266; May 19.
Pedal attachment. S. M. D. Miller. 2,040,866; May 19.
Pen, Fountain. L. A. Kelley. 2,040,999; May 19.
Pen point. J. S. Streicher. 2,041,381; May 19.
Pessary. W. K. McCormick and M. A. Stein. 2,041,424; May 19.
Phenols, Hydrolizing chlor. S. G. Burroughs. 2,041,592; May 19.
Phenols, Hydrolyzing chlor alkyl. S. G. Burroughs. 2,041,593; May 19.
Photographic-printing machine. D. A. Shiraeff and F. Jacobs. 2,041,153; May 19.
Pin: *See*—
Gauge pin.
Pipe: *See*—
Bent pipe.
Soap bubble pipe.
Pipe coating apparatus. W. R. Postlewaite. 2,040,876; May 19.
Pipe coupling. H. F. Johnson. 2,041,132; May 19.
Pipes, Tamping and stoking attachment for tobacco. E. F. Haas. 2,041,469; May 19.
Piston. H. Becker. 2,040,972; May 19.
Piston, Engine. E. Nelson. 2,041,567; May 19.
Piston, Internal combustion engine. D. J. Campbell. 2,041,113; May 19.
Pistons, Apparatus for expanding. E. A. Koether. 2,041,355; May 19.
Plants for parasites, Apparatus for treating. D. C. Helm. 2,040,845; May 19.
Plastic composition. V. L. Smithers and H. A. Winkelmann. 2,041,217; May 19.
Plastic vulcanizable material from rubber, gutta-percha, balata, and the like, Preparation of a. M. J. Stam. 2,041,305; May 19.
Play pen. N. W. O'Byrne. 2,041,509; May 19.
Plug: *See*—
Fuse plug.
Polypeptides, Acylated. L. Orthner and G. Meyer. 2,041,265; May 19.
Popper, Popcorn. S. P. Pickett. 2,041,369; May 19.
Power attachment means for lawn mowers. C. V. Dame and B. Barber. 2,041,654; May 19.
Power transmission mechanism, Variable speed. W. Wharton. 2,041,446; May 19.
Press: *See*—
Swinging buck press.
Press control mechanism. A. F. Hanney. 2,040,991; May 19.
Presser mechanism for spring needle knitting machines. A. O. A. Karlberg. 2,041,133; May 19.
Pressure fluid motor. E. G. Gartin. 2,040,842–4; May 19.
Prie-dieu, Folding. W. F. Liska. 2,041,196; May 19.
Priming device. H. O. Leuschner. 2,040,945; May 19.
Printed sheet drier. E. M. Jump. 2,040,998; May 19.
Printing machine. E. C. Hartley. 2,041,183; May 19.
Printing presses, Attachment for. D. Fickes. 2,041,238; May 19.
Propeller. P. Di Cesare. 2,041,169; May 19.
Propeller, Adjustable. S. G. Kotelevtseff. 2,041,611; May 19.
Propulsion system. A. Zegers. 2,041,103; May 19.
Protection of electric distributing networks having an insulated neutral point, Selective. A. Jonnart. 2,041,644; May 19.

Protector for dental drill hand pieces. A. M. Lininger. 2,041,077; May 19.
Puddler, Mechanical. M. O. Johnson. 2,041,350; May 19.
Puller: *See*—
Weed puller.
Pulverizer. W. G. Johnson. 2,041,188; May 19.
Pulverizer and other devices. G. H. Fraser. 2,040,841; May 19.
Pulverizer, Ball mill. M. Frisch. 2,041,287; May 19.
Pump: *See*—
Fuel pump. Self priming pump.
Jet pump.
Pump for artificial silk spinning machines, Gear. O. Boehmann and T. Vollenbroich. 2,041,454; May 19.
Pump for internal combustion engines, Fuel. K. J. E. Hesselman. 2,040,847; May 19.
Pump for internal combustion engines, Fuel. R. L'Orange. 2,041,422; May 19.
Pump or motor. W. Ernst. 2,041,172; May 19.
Punch, Key card. D. A. Nevin. 2,041,085; May 19.
Puzzle. E. B. Strutton. 2,041,030; May 19.
Rack: *See*—
Book rack.
Radiator cover clip. H. J. Reiter. 2,041,514; May 19.
Radio system. H. T. Friis. 2,041,600; May 19.
Rail supporting and securing means. L. B. Armstrong. 2,040,824; May 19.
Railway, Electric. W. O. Hopkins. 2,041,607; May 19.
Range. A. W. Walker and R. W. Rogers. 2,041,310; May 19.
Rayon spinning and processing machine, Continuous. P. E. Harrison. 2,041,338; May 19.
Razor blade holder. D. E. Leahy. 2,041,003; May 19.
Razor, Safety. J. E. McWilliams. 2,041,564; May 19.
Razor, Self-sharpening safety. T. J. Pilliod and F. C. Miller. 2,041,680; May 19.
Receiving system for frequency modulated oscillations. H. J. J. M. de Regnauld de Bellescize. 2,040,980; May 19.
Receptacle: *See*—
Color receptacle. Paper receptacle.
Receptacle. L. J. Johnson. 2,041,349; May 19.
Receptacle and closure therefor, Paper. J. J. Schmerler. 2,041,375; May 19.
Record, Talking picture. J. A. O'Neill. 2,041,144; May 19.
Rectifier-inverter and its method of operation, Synchronous mechanical. S. S. Seyfert. 2,041,302; May 19.
Reel: *See*—
Line drying reel.
Refrigerating apparatus. G. C. Pearce. 2,041,511; May 19.
Refrigeration. W. H. Carrier and R. W. Waterfill. 2,041,045; May 19.
Refrigeration, Absorption. G. F. Zellhoefer. 2,040,894–904; May 19.
Refrigeration, Absorption. G. F. Zellhoefer. 2,040,906–12; May 19.
Refrigeration apparatus particularly adapted for freezing fish. C. Sundbach. 2,041,443; May 19.
Refrigeration system for motor vehicles. S. M. Bäckstrom. 2,041,585; May 19.
Register, Autographic. W. C. and F. E. Pfeiffer. 2,041,020; May 19.
Regulator: *See*—
Voltage regulator.
Regulator pilot valve. S. B. Redfield. 2,041,148; May 19.
Relay. F. W. Lyle. 2,041,079; May 19.
Remote control system. H. L. Carpenter. 2,041,398; May 19.
Resinous composition and making same. H. L. Bender. 2,041,453; May 19.
Resistance, Adjustable. E. R. Stoekle. 2,041,380; May 19.
Resistance element. N. C. Schellenger and W. E. Haselwood. 2,041,213; May 19.
Rivets, Making. L. C. Hnck. 2,040,939; May 19.
Roasting machine. P. Berger. 2,041,318; May 19.
Rocket engine. W. R. Menzies. 2,041,081; May 19.
Rod for switch stands, Safety connecting. J. B. Strong. 2,041,382; May 19.
Roll grinding machine. A. G. Belden and H. J. Griffing. 2,040,820; May 19.
Roller screen. A. W. Barnhart. 2,041,105; May 19.
Rolling mill. H. Stütting. 2,041,271; May 19.
Roof for vehicles, Sliding. W. H. Bishop. 2,041,281; May 19.
Roofing, Apparatus for making. L. Kirschbraun. 2,041,419; May 19.
Roofing or sheet product, Laminated. C. Batcheller. 2,041,041; May 19.
Rotary machine. A. J. Hodge and J. D. Spalding. 2,041,180; May 19.
Rubber composition, Plastic. R. R. Bollman. 2,041,223; May 19.
Sacker apparatus. C. S. Brown. 2,041,224; May 19.
Sadiron, Electric. E. D. Perry. 2,041,429; May 19.
Safety device for electrical appliances. P. McIlveney. 2,041,362; May 19.
Salvage device, Underwater. E. J. Romano. 2,040,956; May 19.
Sash balance, Window. A. Larson. 2,041,646; May 19.
Screen: *See*—
Roller screen.
Screen and process of producing same, Photoengraving. C. E. Benson. 2,041,317; May 19.
Seal. G. E. Loehde. 2,041,421; May 19.
Seam for garments. M. Schrank. 2,041,626; May 19.
Seat: *See*—
Adjustable seat. Sun bath seat.
Seat and bed, Combination reclining movable auto. R. H. Pepper. 2,041,648; May 19.
Self-priming pump. R. G. Barzen. 2,041,586; May 19.
Separable fastener. W. Hofmann. 2,041,606; May 19.
Separator: *See*—
Gas separator.
Separator. H. Brown and A. R. Grigsby. 2,041,591; May 19.
Shade and ventilator, Window screen. C. A. Kauffman and H. W. Davidson. 2,040,853; May 19.
Shaft coupling. E. C. Ballman. 2,041,104; May 19.
Shaving tool holder. G. Klein. 2,041,251; May 19.
Sheathing, Corrugated laminated. P. O. Beeson. 2,041,393; May 19.
Sheet material and process of making, Coated. S. D. Shinkle. 2,041,496; May 19.
Sheet material, Corrugating. B. Franghia. 2,040,929; May 19.
Shield, Palm. M. Neback. 2,041,201; May 19.
Ship, Speed wave. J. C. fu Francesco and N. Furfaro. 2,040,984; May 19.
Shock absorber for doors. F. E. Gignoux. 2,040,986; May 19.
Shock absorbing device. T. W. Slutz. 2,041,154; May 19.
Shoe and making the same, Molded. E. A. Corbin, Jr. 2,040,921; May 19.
Shoemaking method. F. Maccarone and H. L. Sutcliffe. 2,041,360; May 19.
Shoe of the Ghillie type. C. H. Daniels. 2,041,672; May 19.
Shoe soles, Apparatus for making. W. J. De Witt and E. F. Beers. 2,041,530–3; May 19.
Sign: *See*—
Illuminated sign.
Signal: *See*—
Automobile distress signal.
Stop signal. Vehicle signal.
Signaling system. F. Preisach. 2,041,147; May 19.
Silk, Degumming of. H. C. Olpin and G. H. Ellis. 2,040,949; May 19.
Siren. H. Ricci. 2,041,431; May 19.
Skein-forming device. J. P. Shorrock. 2,041,214; May 19.
Slide fastener. W. J. Reuter. 2,041,149; May 19.
Slipper, Bath. K. F. Woerle. 2,041,505; May 19.
Soap bubble pipe. G. A. Mausolf. 2,041,423; May 19.
Socket, Continuous electrical wall. J. O. James. 2,041,344; May 19.
Socket, Separable electric. J. A. McKay. 2,041,425; May 19.
Soldering iron, Electric. R. C. Persons. 2,041,018; May 19.
Solenoid valve. R. W. Johnson. 2,041,416; May 19.
Solvent material for absorption refrigerating machines. G. F. Zellhoefer. 2,040,905; May 19.
Spectacle. O. B. Carson. 2,041,283; May 19.
Spectacle frames. E. E. Emons. 2,041,638; May 19.
Speed measuring apparatus. L. Kassler. 2,041,134; May 19.
Speed transmission mechanism, Variable speed. R. Chilton. 2,040,830; May 19.
Spray head. M. de Graaf. 2,041,899; May 19.
Spring structure, Leaf. W. H. Wallace. 2,041,159; May 19.
Stabilized preparation. W. Schulemann and F. Schönhöfer. 2,041,436; May 19.
Stable preparations. L. Zeh and E. Konrad. 2,041,220; May 19.
Stamp support and pad. A. C. Johnson and T. M. Wroble. 2,040,940; May 19.
Stand: *See*—
Display stand.
Stand for electric lamps and for displaying articles, Adjustable and clampable. L. Kirschmann. 2,041,474; May 19.
Stapling device. E. C. Bunnell. 2,041,523; May 19.
Starter, Electric. A. Callsen and A. Schmid. 2,041,225; May 19.
Steadyrest, Hydraulically operated. R. A. Cole. 2,041,166; May 19.
Steam control apparatus. G. Mason. 2,041,296; May 19.
Steel, Apparatus for heat treating. F. J. Winder. 2,041,313; May 19.
Steel for railroad rails, wheel tires, plankpiles and other objects which are subjected to heavy wear. H. Buchholtz. 2,041,635; May 19.
Steels Thermally treating quenched and hardened. H. Styri. 2,041,649; May 19.
Steering wheel, Reenforced. G. J. Pannecoucke. 2,041,205; May 19.
Step for vehicles, Folding. J. H. Goss and J. D. Snyder. 2,041,640; May 19.
Stereopticon slide. S. M. Gertz. 2,041,466; May 19.
Stereotype mat. A. W. Schorger. 2,041,092; May 19.
Stitching machine. C. L. Flindt. 2,041,405; May 19.

CLASSIFICATION OF PATENTS

ISSUE OF MAY 19, 1936

NOTE.—First number—class, second number—subclass, third number—patent number

1— 3: 2,041,523
14: 2,041,339
32: 2,040,885
40.7: 2,041,057
2— 42: 2,041,066
150: 2,040,989
160: 2,041,254
161: 2,041,301
275: 2,041,626
3— 1: 2,041,487
4— 143: 2,041,187
5— 98: 2,041,509
264: 2,040,995
8— 2: 2,040,940
6: 2,040,927
2,041,220
7: 2,041,471
19: 2,041,117
10— 27: 2,040,939
111: 2,041,027
140: 2,041,082
12— 1: 2,041,379
17: 2,041,532
27: 2,041,531
30: 2,041,533
80: 2,041,095
136: 2,041,400
146: 2,041,360
13— 6: 2,041,486
26: 2,041,333
15—104.04: 2,041,005
119: 2,041,054
128: 2,041,173
137: 2,041,605
188: 2,041,262
16— 86: 2,040,986
197: 2,041,646
18— 8: 2,041,336
18: 2,041,321
47.5: 2,040,921
2,041,041
48: 2,041,377
54: 2,040,880
55: 2,041,330
56: 2,041,357
57: 2,041,138
58: 2,041,143
59: 2,041,518
20— 1: 2,041,546
19: 2,041,372
20: 2,041,221
2,041,410
22: 2,041,007
2,041,033
68: 2,041,261
21— 18: 2,041,219
23— 20: 2,041,047
102: 2,041,504
147: 2,040,867
148: 2,041,237
202: 2,040,823
203: 2,040,854
250: 2,041,436
24— 40: 2,041,575
123: 2,040,992
157: 2,041,367
198: 2,040,958
206: 2,041,149
211: 2,041,444
222: 2,041,498
2,041,624
224: 2,041,606
259: 2,041,514
265: 2,041,354
25— 14: 2,041,619
38: 2,040,876
121: 2,041,289
131.5: 2,041,311
142: 2,041,176
26— 3: 2,040,840
29— 19: 2,041,255
26: 2,040,872
38: 2,041,309
84: 2,041,451
95.1: 2,041,551
148: 2,041,156
29—148.2: 2,041,516
189: 2,041,206
159.2: 2,040,957
159.08: 2,041,202
2,041,656
2,041,657
30— 3: 2,041,288
9: 2,041,506
36: 2,041,680
72: 2,041,564
99: 2,041,003
32— 20: 2,041,077
33— 22: 2,041,501
64: 2,040,935
152: 2,041,299
174: 2,040,835
204: 2,041,151
2,041,536
223: 2,041,072
34— 5: 2,041,318
18: 2,040,998
2,041,238
36— 11: 2,041,505
50: 2,041,672
37— 192: 2,041,013
40— 40: 2,041,166
119: 2,041,097
120: 2,041,652
126: 2,040,950
2,041,497
130: 2,041,135
135: 2,041,189
41— 10: 2,041,481
22: 2,040,963
24: 2,041,558
42— 69: 2,041,015
70: 2,041,661
43— 31: 2,041,322
32: 2,041,221
2,041,232
36: 2,041,634
96: 2,040,873
148: 2,040,845
45— 57: 2,041,017
46— 7: 2,041,423
12: 2,040,974
26: 2,041,069
47— 55: 2,041,681
49— 5: 2,041,552
2,041,671
9: 2,041,517
55: 2,041,222
81: 2,040,937
2,041,528
51— 72: 2,041,215
95: 2,040,820
100: 2,041,340
101: 2,041,244
111: 2,041,642
216: 2,041,010
238: 2,041,166
277: 2,040,978
53— 4: 2,041,309
5: 2,041,327
6: 2,040,996
7: 2,041,175
54— 1: 2,041,044
6: 2,041,620
55— 30: 2,041,216
56— 26: 2,041,126
2,041,554
226: 2,041,182
58— 26: 2,041,342
67: 2,041,557
60— 54.6: 2,041,164
2,041,476
61— 16: 2,041,267
26: 2,041,576
69: 2,040,956
62— 102: 2,041,443
104: R. 19,973
113: 2,041,622
117: 2,041,585
141: 2,041,026
178: 2,041,045
63— 26: 2,041,075
64— 13: 2,041,014
14: 2,041,218
65— 13: 2,041,563
66— 24: 2,041,417
50: 2,040,946
53: 2,040,965
80: 2,040,938
108: 2,041,133
175: 2,041,664
68— 9: 2,040,936
2,040,991
2,041,099
2,041,581
15: 2,041,639
18: 2,041,293
31: 2,041,464
69— 1: 2,040,829
70— 50: 2,041,387
122: 2,041,421
128: 2,041,621
71— 9: 2,041,088
72— 127: 2,041,329
73— 4: 2,041,026
51: 2,040,962
2,041,525
74— 7: 2,041,225
13: 2,041,134
14: 2,041,479
37: 2,040,934
209: 2,040,932
281: 2,040,830
2,040,831
2,040,832
2,040,833
2,041,264
282: 2,041,665
298: 2,041,446
319: 2,040,933
334: 2,041,608
502: 2,040,839
552: 2,041,205
563: 2,040,866
567: 2,041,053
574: 2,041,556
575: 2,041,376
75— 17: 2,040,826
25: 2,040,825
122: 2,041,493
125: 2,041,635
138: 2,041,042
76— 101: 2,040,852
2,041,346
2,041,347
104: 2,041,345
80— 11: 2,041,271
43: 2,041,235
51: 2,040,979
81— 188: 2,041,209
193: 2,041,061
82— 35: 2,041,251
83— 8: 2,041,181
9: 2,041,287
11: 2,041,188
37: 2,041,361
45: 2,040,841
84— 281: 2,041,146
87— 9: 2,041,076
88— 14: 2,041,290
16.6: 2,041,012
17: 2,041,236
18.2: 2,041,011
20: 2,041,459
24: 2,041,104
2,041,195
26: 2,041,466
39: 2,041,229
47: 2,041,440
2,041,636
52: 2,041,283
105: 2,041,667
90— 12.5: 2,041,387
91— 8: 2,041,627
18: 2,041,419
45: 2,041,001
48: 2,041,140
62.6: 2,041,022
91— 66: 2,041,571
68: 2,040,819
2,041,496
70: 2,041,692
2,041,297
2,041,485
92— 9: 2,041,666
11: 2,041,507
21: 2,040,873
2,041,285
2,041,294
93— 27: 2,041,301
35: 2,040,963
94— 5: 2,041,032
18: 2,041,210
30: 2,041,206
43: 2,041,155
44: 2,041,350
95— 44: 2,041,632
2,041,633
73: 2,040,827
75: 2,041,153
2,041,478
76: 2,041,373
81: 2,041,317
81.5: 2,041,465
97— 52: 2,041,208
128: 2,041,519
227: 2,041,179
98— 110: 2,040,893
121: 2,040,853
99— 8: R. 10,971
83: 2,040,943
2,041,129
90: 2,041,056
134: 2,041,197
212: 2,041,059
267: 2,041,068
101— 36: 2,041,574
127: 2,040,988
157: 2,040,961
216: 2,041,183
333: 2,040,940
380: 2,041,499
415: 2,040,981
102— 16: 2,041,253
103— 37: 2,041,422
44: 2,041,468
113: 2,041,586
124: 2,041,121
126: 2,041,454
161: 2,041,172
264: 2,041,527
104— 124: 2,040,886
105— 249: 2,041,407
329: 2,041,404
409: 2,041,651
418: 2,041,211
106— 18: 2,041,120
28: 2,041,217
2,041,223
2,041,305
31: 2,041,279
37: 2,040,882
40: 2,040,971
107— 14: 2,041,432
48: 2,041,200
54: 2,041,091
110— 33: 2,041,449
104: 2,041,535
109: 2,041,204
112— 24: 2,041,405
138: 2,040,870
219: 2,041,673
223: 2,041,674
262: 2,041,628
115— 36: 2,040,964
116— 33: 2,041,325
46: 2,041,178
124.2: 2,041,106
147: 2,041,431
117— 53.5: 2,041,418
119— 17: 2,041,049
120— 32: 2,041,256
47: 2,040,999
109: 2,041,381
121— 10: 2,040,843
18: 2,040,844
24: 2,040,842
146: 2,040,865
122— 33: 2,041,630
136: 2,040,959
225: 2,041,388
123— 37: 2,041,074
38: 2,041,319
90: 2,041,539
130: 2,040,947
160: 2,041,136
173: 2,040,915
176: 2,040,972
177: 2,041,160
179: 2,041,141
187.5: 2,040,945
188: 2,041,314
191: 2,041,073
2,041,078
126— 36: 2,041,310
37: 2,040,948
67: 2,041,226
101: 2,040,920
343.5: 2,041,350
128— 14: 2,041,034
131: 2,041,424
191: 2,041,406
252: 2,041,670
300: 2,041,521
129— 12: 2,041,208
24: 2,041,168
130— 5: 2,041,139
131— 12: 2,041,469
132— 31: 2,040,962
2,041,409
36: 2,041,641
36.2: R. 19,972
38: 2,041,426
41: 2,041,413
82: 2,041,259
2,041,260
134— 1: 2,041,234
41: 2,041,130
78: 2,041,618
78.6: 2,041,647
2,041,655
135— 7.1: 2,041,503
47: 2,041,334
137— 68: 2,041,579
77: 2,041,450
139: 2,040,964
2,040,964
2,041,416
145: 2,041,296
152: 2,041,198
138— 47: 2,041,199
48: 2,041,243
139— 126: 2,040,925
383: 2,041,137
146— 49: 2,041,111
192: 2,041,207
148— 6: 2,041,545
8: 2,041,331
10: 2,041,029
21.5: 2,041,649
149— 16: 2,041,080
150— 2.7: 2,041,515
10: 2,041,190
151— 11: 2,041,477
35: 2,041,568
152— 11.5: 2,040,868
13: 2,041,534
153— 1: 2,041,004
10: 2,041,355
40: 2,041,365
63: 2,041,428
76: 2,040,929
154— 2: 2,041,356
2,041,520
33: 2,041,393
40: 2,040,916
45.5: 2,041,565
155— 14: 2,041,648
91: 2,041,615
154: 2,040,942
155— 166: 2,041,196
156— 10: 2,041,258
39: 2,041,105
158— 81: 2,041,145
111: 2,041,348
117.1: 2,041,559
161— 19: 2,041,323
163— 4: 2,041,547
164— 33: 2,041,530
77: 2,041,340
80: 2,041,386
112: 2,041,085
166— 10: 2,041,439
13: 2,041,808
15: 2,041,394
21: 2,041,086
167— 30: 2,041,264
31: 2,041,206
34: 2,040,871
65: 2,040,848
2,040,973
86: 2,041,158
93: 2,041,473
168— 4: 2,041,888
170— 146: 2,041,103
163: 2,041,611
172: 2,041,169
171— 119: 2,041,177
2,041,643
312: 2,041,306
172— 36: 2,041,442
179: 2,041,580
279: 2,041,161
290: 2,041,607
293: 2,041,510
173— 250: 2,040,817
263: 2,041,613
264: 2,041,269
273: 2,041,100
303: 2,041,108
328: 2,041,425
175— 41: 2,041,594
41.5: 2,041,186
2,041,280
115: 2,041,014
183: 2,040,874
2,041,068
2,041,067
2,041,614
294: 2,041,644
298: 2,041,112
363: 2,041,122
2,041,663
364: 2,041,302
366: 2,041,569
176— 16: 2,041,583
42: 2,041,595
125: 2,041,610
177— 311: 2,041,398
2,041,500
2,041,549
314: 2,041,540
2,041,577
337: 2,041,115
339: 2,040,923
346: 2,041,458
350: 2,041,589
351: 2,040,918
353: 2,041,368
386: 2,040,850
178— 6: 2,041,127
42: 2,040,856
44: 2,040,970
2,041,036
2,041,098
2,041,101
2,041,378
2,041,562
45: 2,041,147
69: 2,041,008
179— 11: 2,041,554
15: 2,041,245
51: 2,041,090
90: 2,041,083
2,041,084
100.4: R. 19,976

179— 120: 2,041,157
171: 2,040,954
181: 2,041,153
180— 22: 2,041,484
43: 2,041,572
64: 2,041,506
69: 2,041,522
183— 9: 2,041,553
10: 2,041,435
96: 2,041,016
184— 1.5: 2,041,529
6: 2,041,046
2,041,192
7: 2,041,023
40: 2,041,395
188— 78: 2,041,492
2,041,536
152: 2,041,462
2,041,463
181: 2,041,603
196: 2,041,268
2,041,385
243: 2,041,054
264: 2,041,457
265: 2,041,055
189— 36: 2,041,027
46: 2,041,006
191— 40: 2,041,110
192— 48: 2,041,445
194— 2: 2,041,636
93: 2,040,963
195— 3: 2,041,561
196— 13: 2,041,275
2,041,276
2,041,277
2,041,278
2,041,308
17: 2,041,677
24: 2,041,364
90: 2,040,837
104: 2,040,838
197— 27: 2,041,096
84: 2,040,888
126: 2,041,019
2,041,025
161: 2,041,637
198— 165: 2,041,411
200— 48: 2,041,250
52: 2,041,658
58: 2,040,891
63: 2,041,414
81: 2,041,511
113: 2,041,093
116: 2,041,304
121: 2,041,295
122: 2,040,892
125: 2,041,000
131: 2,041,383
135: 2,041,590
139: 2,041,246

200— 139: 2,041,363
2,041,566
2,041,645
142: 2,041,362
159: 2,040,919
201— 48: 2,041,050
55: 2,041,212
2,041,380
76: 2,041,213
202— 102: 2,040,875
248: 2,040,887
204— 1: 2,040,881
19: 2,041,131
206— 29: 2,041,035
47: 2,041,324
48: 2,041,548
76: 2,041,303
208— 35: 2,041,591
210— 8: 2,040,941
16: 2,041,397
23: 2,041,448
2,041,584
29: 2,041,604
69: 2,040,822
140: 2,041,366
181: 2,041,495
184: 2,041,048
203 2,040,818
2,041,043
213— 76: 2,040,968
215— 37: 2,041,391
43: 2,041,403
217— 19: 2,041,062
2,041,063
47: 2,041,582
60: 2,041,617
123: 2,040,993
219— 4: 2,041,461
6: 2,040,877
11: 2,041,343
19: 2,041,352
2,041,542
20: 2,040,951
25: 2,041,429
26: 2,041,018
34: 2,041,631
38: 2,041,573
2,041,653
39: 2,041,071
40: 2,041,116
47: 2,040,884
220— 36: 2,041,038
64: 2,041,392
86: 2,041,070
221— 11: 2,041,185
60: 2,041,252
2,041,351
2,041,488
62: 2,041,024
73.5: 2,041,662

223— 110: 2,041,230
224— 5.1: 2,041,494
225— 3: 2,041,427
226— 18: 2,041,224
38: 2,040,975
58: 2,041,401
69: 2,041,060
88.1: 2,040,851
95: 2,041,358
228— 18: 2,040,977
229— 1.5: 2,041,375
5.5: 2,041,374
21: 2,041,437
29: 2,041,609
34: 2,041,274
37: 2,041,170
45: 2,041,537
52: 2,041,021
62: 2,041,239
87: 2,041,227
2,041,228
2,041,679
92.7: 2,041,434
230— 200: 2,041,659
234: 2,041,128
272: 2,041,507
2,041,553
232— 33: 2,041,349
2,041,143
2,041,588
41: 2,041,257
236— 18: 2,041,544
67: 2,041,282
81: 2,040,869
238— 338: 2,040,824
240— 1.2: 2,041,412
3: 2,040,821
103: 2,040,836
108: 2,040,985
242— 11: 2,041,337
35: 2,041,102
36: 2,041,118
72: 2,041,152
104: 2,041,249
2,041,384
110: 2,041,214
244— 2: 2,041,623
18: 2,041,081
24: 2,041,233
246— 41: 2,040,909
393: 2,041,382
247— 1: 2,041,055
3: 2,041,344
2,041,675
248— 2: 2,040,917
16: 2,041,578
22: 2,041,353
80: 2,041,174
123: 2,041,242
159: 2,041,370
160: 2,041,474

248— 204: 2,041,315
229: 2,041,332
249— 19: 2,041,629
250— 9: 2,041,456
11: 2,040,952
2,041,600
20: 2,040,955
2,040,967
2,040,980
2,041,040
2,041,150
2,041,273
2,041,291
2,041,433
27: R. 19,974
27.5: 2,040,883
2,041,270
2,041,286
2,041,292
34: 2,041,241
36: 2,041,114
2,041,406
41.5: 2,041,079
251— 42: 2,041,371
76: 2,041,002
2,041,475
93: 2,041,669
141: 2,041,148
144: 2,041,960
252— 1: 2,041,052
3: 2,040,931
5: 2,040,894
2,040,895
2,040,896
2,040,897
2,040,898
2,040,899
2,040,900
2,040,901
2,040,902
2,040,903
2,040,904
2,040,905
2,040,906
2,040,907
2,040,908
2,040,909
2,040,910
2,040,911
2,040,912
253— 124: 2,041,570
254— 132: 2,041,263
255— 23: 2,041,180
71: 2,041,467
72: 2,040,889
257— 7: 2,041,039
24: 2,040,963
67: 2,040,828
125: 2,041,598
184: 2,040,947

257— 245: 2,041,483
2,041,328
258— 2: 2,041,247
260— 2: 2,041,502
4: 2,041,433
8: 2,041,248
9: 2,041,265
31: 2,041,402
32: 2,040,857
2,040,858
2,040,859
2,040,860
2,040,861
2,040,862
44: 2,040,928
54: 2,040,879
2,041,184
60: 2,041,550
90: 2,041,455
98: 2,040,997
99.12: 2,041,560
106: 2,040,849
2,041,193
122: 2,040,926
2,041,668
130.5: 2,041,512
2,041,513
153: 2,040,913
154: 2,041,502
2,041,503
156.5: 2,040,944
2,041,272
261— 39: 2,040,922
54: 2,041,524
78: 2,041,491
262— 30: 2,041,420
263— 32: 2,041,142
266— 5: 2,040,994
2,041,312
2,041,313
2,041,341
21: 2,041,472
23: 2,040,914
43: 2,041,612
267— 34: 2,041,154
47: 2,041,159
268— 44: 2,041,650
271— 2.6: 2,041,602
273— 32: 2,041,678
34: 2,041,119
77: 2,041,676
137: 2,040,855
151: 2,041,452
157: 2,041,030
274— 5: 2,041,470
41.4: 2,041,480
41.6: 2,041,144
276— 28: 2,041,109
277— 42: 2,040,990
52: 2,040,930

280— 5: 2,041,320
6: 2,041,616
33.1: 2,041,124
124: 2,041,660
166: 2,041,640
282— 21: 2,041,020
284— 14: 2,041,415
285— 72: 2,040,967
2,041,543
84: 2,040,834
194: 1,041,132
286— 15: 2,041,316
287— 51: 2,041,051
52.05: 2,041,123
53: 2,041,300
87: 2,041,489
101: 2,041,335
2,041,336
290— 38: 2,041,171
2,041,541
46: 2,041,125
292— 7: 2,041,447
194: 2,041,430
261: 2,041,396
340: 2,041,099
2,041,625
295— 11: 2,041,490
36: 2,041,162
296— 28: R. 19,975
44: 2,041,004
84: 2,040,966
137: 2,041,281
299— 58: 2,041,399
89: 2,041,482
107.1: 2,040,846
107.2: 2,041,167
301— 6: 2,041,441
46: 2,041,460
64: 2,041,326
302— 15: 2,040,890
303— 15: 2,040,976
42: 2,041,307
304— 28: 2,041,031
305— 9: 2,041,599
308— 78: 2,040,924
79.1: 2,041,107
83: 2,041,390
85: 2,041,389
126: 2,041,191
159: 2,041,601
309— 14: 2,041,113
15: 2,041,567
311— 9: 2,041,087
33: 2,041,438
312— 35: 2,041,089

U. S. GOVERNMENT PRINTING OFFICE 1936

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Ace Photo Service, Minneapolis, Minn. Photographic prints. Serial No. 372,386; May 26. Class 38.

Adair Dress Shops, Inc., Chicago, Ill. Dresses, coats, suits, etc. Serial No. 370,234; May 26. Class 39.

Agfa Ansco Corporation, Binghamton, N. Y. Sensitized photographic film. Serial No. 374,810; May 26. Class 26.

American Blue Stone Co., Warsaw and New York, N. Y. Blue stone in the form of stair treads, landings, etc. Serial No. 375,370; May 26. Class 12.

Arlington Chemical Company, The, Yonkers, N. Y. Medicinal preparation. Serial No. 375,071; May 26. Class 6.

Aronsohn, S. J., Inc., New York, N. Y. Rayon and silk fabrics. Serial No. 376,618; May 26. Class 42.

Atlas Mills Inc., New York, N. Y. Silk and/or rayon and/or cotton piece goods. Serial Nos. 376,884–7; May 26. Class 42.

Automatic Paper Box Corp., Chicago, Ill. Paper board boxes. Serial No. 377,377; May 26. Class 2.

B. C. Company Ltd., New York, N. Y. Whiskey, gin, rum, etc. Serial Nos. 377,447–9; May 26. Class 49.

Ballantine, P., and Sons, Newark, N. J. Beer and ale. Serial No. 370,863; May 26. Class 48.

Baumann, Ludwig, & Company, New York, N. Y. Men's wear. Serial No. 375,375; May 26. Class 39.

Bayou State Oil Corporation, Shreveport, La. Oils, greases, and gasoline. Serial No. 376,329; May 26. Class 15.

Beaumont Laboratories. (See Grove Laboratories, Inc., The.)

Bechik, Michael, doing business as Self-Adjusting Mattress Handle Company, St. Paul, Minn. Mattresses, cushions, and box-springs and handles therefor. Serial No. 374,547; May 26. Class 32.

Binks Manufacturing Company, Chicago, Ill. Paint spraying appliances. Serial No. 375,916; May 26. Class 23.

Bishop & Babcock Manufacturing Co., The, Cleveland, Ohio. Thermostats for hot water heaters for automobiles. Serial Nos. 373,770–1; May 26. Class 26.

Blossom Products Corporation, Allentown, Pa. Underwear, dresses, bathing suits, etc. Serial No. 376,260; May 26. Class 39.

Breck, John H., Inc., Springfield, Mass. Hair and scalp preparations. Serial No. 376,569; May 26. Class 6.

Breeze Corporations, Inc., Newark, N. J. Conduits. Serial No. 376,792; May 26. Class 21.

Broom & Newman, New York, N. Y. Men's outer shirts and pajamas. Serial No. 376,331; May 26. Class 39.

Burndy Engineering Company, Inc., New York, N. Y. Electrical connectors. Serial No. 376,932; May 26. Class 21.

Carolyn Manufacturing Co., Inc., New York, N. Y. Microscopes, microscope outfits and sets, and parts thereof. Serial No. 376,835; May 26. Class 26.

Cavendish Trading Corporation, New York, N. Y. Chemises, step-ins, petticoats, etc. Serial No. 376,749; May 26. Class 39.

Cederoth, Bruce E., Chicago, Ill. Shoe laces. Serial No. 375,755; May 26. Class 40.

Celanese Corporation of America, New York, N. Y. Piece goods. Serial No. 376,376; May 26. Class 42.

Central Press Association, Inc., Cleveland, Ohio. Newspaper section. Serial No. 376,334; May 26. Class 38.

Charms Company, Bloomfield, N. J. Candy. Serial No. 375,877; May 26. Class 46.

Clark, Gordon G., Springfield, Mass. Insecticides, disinfectants, fumigants, etc. Serial No. 373,521; May 26. Class 6.

Cohen, Abraham K., receiver for the estate of Adolph Sommer, deceased, Boston, Mass., assignor, by mesne assignments, to The Stamford Rubber Supply Company, Stamford, Conn. Oils and greases for improving the texture of leather and fibrous goods. Serial No. 371,258; May 26. Class 4.

Cohen, Harry, doing business as Harry Cohen & Company, Seattle, Wash. Dish towels. Serial No. 376,575; May 26. Class 42.

Cohen, William B., doing business as Stuart Products Co., St. Paul, Minn. Perfume, dusting powder, face powder, etc. Serial No. 373,523; May 26. Class 6.

Cole, Saul, doing business as Cole's, Detroit, Mich. Eyeglasses and lenses therefor. Serial No. 373,201; May 26. Class 26.

Compañia Ron Bacardi, S. A., Santiago, Cuba. Rum. Serial No. 349,822; May 26. Class 49.

Continental Foods, Inc., Chicago, Ill. Canned foods for dogs, cats, etc. Serial No. 376,751; May 26. Class 46.

Crescent Insulated Wire and Cable Company, Trenton, N. J. Electrical wire, cable, and conductors, etc. Serial No. 372,658; May 26. Class 21.

Daniels, Claude H., Natick, Mass. Boots and shoes. Serial No. 375,792; May 26. Class 39.

David, John, New York, N. Y. Socks, undershirts, shirts, etc. Serial No. 375,496; May 26. Class 39.

Derby Oil Company, Wichita, Kans. Measuring pumps. Serial No. 375,378; May 26. Class 26.

Diament, Inc., Chicago, Ill. Candy. Serial No. 376,529; May 26. Class 46.

Diet Publishers. (See Fernèl, Jean P.)

Diffundol G. m. b. H., Frankfort-on-the-Main, Germany. Healing ointment. Serial No. 373,099; May 26. Class 6.

Dolph, John C., Company, Newark, N. J. Electric insulating varnishes and compounds. Serial No. 374,786; May 26. Class 21.

Donahue, A. J., Corporation, The, Milford, Conn. Garters. Serial No. 376,629; May 26. Class 39.

Drollinger, H. B., South Pasadena, Calif. Electrical solenoidal instrument for relieving congestions and the like. Serial No. 364,332; May 26. Class 44.

Dutch Tea Rusk Company, Holland, Mich. Toasted bread product. Serial No. 370,341; May 26. Class 46.

Eastern Trading Co. (See Finkelstein, William.)

Erlanger, N., Blumgart & Co., Inc., New York, N. Y. Suit lining material. Serial No. 374,185; May 26. Class 42.

Fernèl, Jean P., doing business as Diet Publishers, Chicago, Ill. Periodical. Serial No. 376,343; May 26. Class 38.

Finkelstein, William, doing business as Eastern Trading Co., New York, N. Y. Hair curlers. Serial No. 376,041; May 26. Class 40.

Fisher, Marjory M., San Francisco, Calif. Shoulder pad and chin rest for musical instruments. Serial No. 375,078; May 26. Class 36.

Food Products Co. of America, Chicago, Ill. Tomato paste with basil. Serial No. 376,271; May 26. Class 46.

Ford Hopkins Co., Chicago, Ill. Tincture of iodine, milk of magnesia, spirits of turpentine, etc. Serial No. 375,326; May 26. Class 6.

Four Star Produce Co. (See Garin, H. P. Company.)

Franklin Simon & Co., Inc., New York, N. Y. Dresses, blouses, pajamas, etc. Serial No. 376,670; May 26. Class 39.

Froles Prepared Flour Products, Inc., New York, N. Y. Prepared flour preparations. Serial No. 374,748; May 26. Class 46.

Gallagher, John R., doing business as Dr. J. R. Gallagher and Company, Flemingsburg, Ky. Medicated ointment. Serial No. 375,143; May 26. Class 6.

Garin, H. P., Company, doing business as Four Star Produce Co., by H. P. Garin receiver of H. P. Garin Company, San Francisco, Calif. Fresh vegetables. Serial No. 374,048; May 26. Class 46.

Genco, Inc., Chicago, Ill. Amusement apparatus. Serial No. 377,112; May 26. Class 22.

General Tire & Rubber Company, The, Akron, Ohio. Pneumatic tires. Serial No. 376,844; May 26. Class 35.

Glascock Bros. Mfg. Co., Muncie, Ind. Spot welding machines. Serial No. 374,134; May 26. Class 24.

Goodsell Packing Company, Algonquin, Ill. Plastic or molded metallic machinery packing. Serial No. 376,845; May 26. Class 35.

Gottsegen, Morris, New York, N. Y. Razors and razor blades. Serial No. 375,989; May 26. Class 23.

Graphic Arts Publishing Company, Chicago, Ill. Magazine. Serial No. 376,481; May 26. Class 38.

Grean, Seymour S., New York, N. Y. Preparation for cleansing the eyes. Serial No. 371,536; May 26. Class 6.

Green Tree Breweries Incorporated, St. Louis, Mo. Beer. Serial No. 377,220; May 26. Class 48.

Grote, F., & Hubbell Co., Inc., New York, N. Y. Billiard cloth and woven fabrics. Serial No. 376,085; May 26. Class 42.

Grove Laboratories, Inc., The, doing business as Beaumont Laboratories, Wilmington, Del., and St. Louis, Mo. Medicinal compound. Serial No. 377,047; May 26. Class 6.

Gump, S. & G., Company, Honolulu, Hawaii. Perfumes. Serial Nos. 373,781–4; May 26. Class 6.

Guamer, A., Inc., Woodbridge, N. J. Varnish substitute. Serial No. 377,118; May 26. Class 16.

Haines-Cebrook, Inc., Lynn, Mass. Ice cream. Serial No. 369,273; May 26. Class 46.

Hales & Hunter Co., Chicago, Ill. Horse and cattle feed. Serial No. 376,705; May 26. Class 46.

Hall-Welter Co., Incorporated, Rochester, N. Y. Check printing machines. Serial No. 376,953; May 26. Class 23.

Harvey Paper Products Co., Sturgis, Mich. Treated paper for dusting, cleaning, and polishing. Serial No. 376,846; May 26. Class 4.

Hat Corporation of America, Norwalk, Conn. Hat bodies. Serial Nos. 376,275–6; May 26. Class 39.

Her Majesty Underwear Co., Philadelphia, Pa. Women's underwear. Serial No. 375,386; May 26. Class 39.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Hettrick Manufacturing Company, The, Toledo, Ohio. Waterproofing compound. Serial No. 373,729; May 26. Class 6.

Hettrick Manufacturing Company, The, Toledo, Ohio. Laundry textiles. Serial No. 373,733; May 26. Class 42.

Hibse Gut & Suture Co., Chicago, Ill. Tennis, squash, and badminton strings of animal gut. Serial No. 377,154; May 26. Class 22.

Holden Patent Book Cover Company, Springfield, Mass. Paper covers for books. Serial No. 375,581; May 26. Class 37.

Industrial Chemical Products Co., Detroit, Mich. Preparation to be used as a paint, varnish, and enamel remover. Serial Nos. 377,204–5; May 26. Class 16.

International Latex Corporation, Rochester, N. Y. Latex baby pants. Serial No. 365,847; May 26. Class 39.

Iodine Corporation of America, Los Angeles, Calif. Iodine tablets. Serial No. 373,607; May 26. Class 6.

Iselin-Jefferson Company, New York, N. Y. Cotton piece goods. Serial No. 376,346; May 26. Class 42.

Judson Laboratories. (See Sencindiver, Judson H.)

Juneman, E. P., Corporation, The, Chicago, Ill. Tennis rackets. Serial No. 375,941; May 26. Class 22.

Juneman, E. P., Corporation, The, Chicago, Ill. Tennis rackets. Serial No. 377,397; May 26. Class 22.

King Features Syndicate, Inc., New York, N. Y. Cartoon series. Serial No. 376,727; May 26. Class 38.

King Fuller Company, Chicago, Ill. Canned fruits and vegetables, pickles, olives, etc. Serial No. 376,761; May 26. Class 46.

Kingan & Co. Incorporated, Indianapolis, Ind. Tripe, dried beef, corned beef hash, etc. Serial No. 354,752; May 26. Class 46.

Kingan & Co. Incorporated, Indianapolis, Ind. Perishable salad. Serial No. 354,753; May 26. Class 46.

Kingan & Co., Incorporated, Indianapolis, Ind. Pickled pigs feet, spiced lamb tongues, etc. Serial No. 354,754; May 26. Class 46.

Kingan & Co. Incorporated, Indianapolis, Ind. Pork tasty and breakfast sausage. Serial No. 354,756; May 26. Class 46.

Kingan & Co. Incorporated, Indianapolis, Ind. Sliced dried beef. Serial No. 354,759; May 26. Class 46.

Kingan & Co. Incorporated, Indianapolis, Ind. Sliced bacon. Serial No. 354,760; May 26. Class 46.

Kingan & Co. Incorporated, Indianapolis, Ind. Boiled ham, ham, boned and rolled, cured ham, etc. Serial No. 354,761; May 26. Class 46.

Kingan & Co. Incorporated, Indianapolis, Ind. Tripe, dried beef, sliced dried beef, etc. Serial No. 354,762; May 26. Class 46.

Knapp-Monarch Company, doing business as Kwikway Products, Inc., St. Louis, Mo. Electric fans. Serial No. 373,381; May 26. Class 21.

Knox Company, Los Angeles, Calif. Preparations for the prevention, the treatment, and the correction of insomnia, etc. Serial No. 376,762; May 26. Class 6.

Kreplin, William C., doing business as Travel Stamp Company, Salt Lake City, Utah. Trading stamps. Serial No. 374,971; May 26. Class 38.

Kress, S. H., and Company, New York, N. Y. Teaspoons, tablespoons, dessert spoons, etc. Serial No. 376,763; May 26. Class 28.

Kwikway Products, Inc. (See Knapp-Monarch Company.)

Laboratorios Farfan, S. A., Mexico, D. F., Mexico. Pulmonary antiseptic preparation and a muscular tonic preparation. Serial No. 374,369; May 26. Class 6.

Laucks, I. F., Inc., Seattle, Wash. Cold water calcimine. Serial No. 377,311; May 26. Class 16.

Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Men's and boys' summer coats and trousers. Serial No. 375,999; May 26. Class 39.

Lilly, Eli, and Company, Indianapolis, Ind. Preparation for the treatment of gall bladder diseases. Serial No. 377,053; May 26. Class 6.

Lindell, E. J., Company, Kansas City, Mo. Toilet creams. Serial No. 377,012; May 26. Class 6.

Lindsay Fruit Distributors, Inc., Lindsay, Calif. Fresh citrus fruit. Serial No. 376,479; May 26. Class 46.

Lisner, D., & Co., New York, N. Y. Perfumes, face powder, skin creams, etc. Serial No. 360,676; May 26. Class 6.

Lowenfels, Frederick F., & Son, New York, N. Y. Butter, a food. Serial No. 376,682; May 26. Class 46.

Lum, Ko Wah, San Francisco, Calif. Cigarettes. Serial No. 374,414; May 26. Class 17.

Lantz, Joseph, doing business as Melvite Company, Brooklyn, N. Y. Powdered malt food. Serial No. 375,653; May 26. Class 46.

Lyons-Magnus, Incorporated, San Francisco, Calif. Food syrups. Serial No. 375,089; May 26. Class 46.

Majestic Distilling Company, Inc., Baltimore, Md. Whiskey, gin, brandy, etc. Serial Nos. 377,469–70; May 26. Class 49.

Makay Coffee Company, Inc., New York, N. Y. Coffee. Serial No. 375,020; May 26. Class 46.

Marzolin, A., & Bros. Inc., New York, N. Y. Suits, coats, dresses, etc. Serial No. 373,456; May 26. Class 39.

Massey-Young Company, Charlestown, Mass. Insecticides. Serial No. 374,840; May 26. Class 6.

Mazetta, Frank, Grantwood, N. J. Foods and confectionery. Serial No. 348,508; May 26. Class 46.

Melvite Company. (See Luntz, Joseph.)

Mendelson, E. S., & Co., Inc., New York, N. Y. Silk, artificial silk, and cotton textile fabrics. Serial No. 376,355; May 26. Class 42.

Mennen Company, The, Newark, N. J. Shaving cream. Serial No. 376,129; May 26. Class 4.

Merriman, William V., doing business as Time Hosiery Company, Glencoe, Ill. Hosiery. Serial No. 376,294; May 26. Class 39.

Meyer & Lange, Inc., New York, N. Y. Cordials. Serial No. 377,364; May 26. Class 49.

Meyer, N. S., Inc., New York, N. Y. Sabres, swords, and sabre chains. Serial No. 372,137; May 26. Class 23.

Michigan Maple Block Company, Petoskey, Mich. Butcher blocks, butchers' tables, hand cutting blocks, etc. Serial No. 373,882; May 26. Class 32.

Morny Limited, London, England. Perfumes, bath salts, bath salts tablets, etc. Serial No. 375,339; May 26. Class 6.

Mostertz, Ferdinand W., Philadelphia, Pa. Textile fabrics. Serial No. 375,714; May 26. Class 42.

Muscatine Pearl Works, Inc., Muscatine, Iowa. Buttons, slides, buckles, etc. Serial No. 370,061; May 26. Class 40.

NEA Service, Inc., Cleveland, Ohio. Comic drawings. Serial No. 375,850; May 26. Class 38.

National Acme Co., The, Cleveland, Ohio. Automatic circuit breaking mechanism. Serial No. 376,099; May 26. Class 21.

National Mills Incorporated, Quincy, Ill. Processed and roasted soybeans. Serial No. 376,485; May 26. Class 46.

Nectar Honey Co., Los Angeles, Calif. Honey. Serial No. 367,540; May 26. Class 46.

Ohio Bronze Powder Company, The, Cleveland, Ohio. Aluminum paste and powder. Serial No. 376,487; May 26. Class 16.

Oldetyme Distillers, Inc., New York, N. Y. Whiskey. Serial Nos. 377,367–8; May 26. Class 49.

Orleans Drug Co., Inc., New Orleans, La. Balsam copaiba, castor oil, sweet oil, etc. Serial No. 371,109; May 26. Class 6.

Österreichische Serum-Gesellschaft m. b. H., Vienna, Austria. Bee toxine for injections. Serial No. 373,263; May 26. Class 6.

Otato Corporation of Idaho, Garwood, N. J. Potato flour for bread and sweet goods. Serial No. 376,001; May 26. Class 46.

Pacific Products Company, Detroit, Mich. Awakeners. Serial No. 375,162; May 26. Class 6.

Palsir, Jacob, doing business as Jacob Palsir's Son, Flourtown, Pa. Dull finish furniture cleaning oil. Serial No. 376,179; May 26. Class 16.

Peaslee-Gaulbert Corporation, Louisville, Ky. Asphalt composition roofing and building papers. Serial No. 373,837; May 26. Class 12.

Pickles, Robert, Limited, Burnley, England. Elastic threads. Serial No. 368,534; May 26. Class 43.

Piggly Wiggly Corporation, Cincinnati, Ohio. Dry and cooked breakfast cereals. Serial No. 373,538; May 26. Class 46.

Pioneer Products Company, Fort Worth, Tex. Cereals. Serial No. 373,745; May 26. Class 46.

Premo Rubber Company Limited, Petersfield, England. Toy bricks and shaped pieces all of India rubber for making toy buildings. Serial No. 377,320; May 26. Class 22.

Progressive Welder Company, Detroit, Mich. Electric welding machines. Serial No. 375,898; May 26. Class 21.

Raylite Trading Company, Inc., New York, N. Y. Decorative electric bulbs. Serial No. 376,917; May 26. Class 21.

Regal Press, Inc., Chicago, Ill. Magazine. Serial No. 376,226; May 26. Class 38.

Reynolds Manufacturing Company, Dallas, Tex. Automobile cushions. Serial No. 375,170; May 26. Class 32.

Rogers, Louise Inc., Larchmont, N. Y. Astringents, astringent cerates, beauty creams, etc. Serial No. 376,409; May 26. Class 6.

Rossello Hermanos, New York, N. Y. Men's outer garments. Serial No. 374,602; May 26. Class 39.

Salt Lake Milk Producers Association, Salt Lake City, Utah. Fresh milk and cream. Serial No. 365,820; May 26. Class 46.

Samson Tire & Rubber Corporation, Los Angeles, Calif. Rubber tires. Serial No. 368,307; May 26. Class 35.

Sayta Corp., New York, N. Y. Skin lotions. Serial No. 376,496; May 26. Class 6.

Scherlis & Katz Fish Co., Inc., Baltimore, Md. Fish. Serial No. 368,189; May 26. Class 46.

Schwartz, Alexander, New York, N. Y. Coats, suits, robes, etc. Serial No. 376,105; May 26. Class 39.

Schwartz & Benjamin, Inc., Brooklyn, N. Y. Ladies' shoes. Serial No. 375,781; May 26. Class 39.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Schwettmann, Wm. H., Co., Inc., Brooklyn, N. Y. Canned fruits and vegetables. Serial No. 376,868; May 26. Class 46.

Sekine, I., Company, New York, N. Y. Tooth brushes. Serial No. 372,436; May 26. Class 29.

Self-Adjusting Mattress Handle Company. (See Bechik, Michael.)

Sencindiver, Judson H., doing business as Judson Laboratories, Cockeysville, Md. Liquid dentifrice. Serial No. 376,738; May 26. Class 6.

Sheblak, Charles, Los Angeles, Calif. Adhesive repair material. Serial No. 374,536; May 26. Class 5.

Sheet Polarizer Company, Inc., Union City, N. J. Composite material to be used in connection with optical devices. Serial No. 375,063; May 26. Class 26.

Siegel Bros. Kiki Maid Koats Inc., New York, N. Y. Piece goods of wool, cotton, etc. Serial No. 376,609; May 26. Class 42.

Simmons, William K., Port Orange, Fla. Fertilizer. Serial No. 372,532; May 26. Class 10.

Simplex Products Corporation, Cleveland, Ohio. Metal piston rings. Serial No. 376,871; May 26. Class 35.

Smith, Landon P., Inc., Irvington, N. J. Razor blades. Serial No. 375,603; May 26. Class 23.

Smith, Landon P., Inc., Irvington, N. J. Tile-cutting machines and tools. Serial No. 375,604; May 26. Class 23.

Smith, Landon P., Inc., Irvington, N. J. Resilient handabrading tools. Serial No. 375,911; May 26. Class 23.

Société Anonyme Rodier, Paris, France. Piece goods, tulles, nets, etc. Serial No. 368,585; May 26. Class 42.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Furniture polish and floor wax. Serial No. 377,285; May 26. Class 16.

Sommer, Adolph, Estate of. (See Cohen, Abraham K.)

Sophia Company, Inc., New York, N. Y. Cosmetics and toilet preparations. Serial No. 303,672; May 26. Class 6.

Southern Alkali Corporation, Corpus Christi, Tex. Soda ash and caustic soda. Serial No. 370,436; May 26. Class 6.

Soy Bean Products Co., Chicago, Ill. Nut-like edible product. Serial No. 376,305; May 26. Class 46.

Specialty Chemical Corporation, New Orleans, La. Preparation used for the treatment of athlete's foot. Serial No. 374,440; May 26. Class 6.

Stamford Rubber Supply Company, The. (See Cohen, Abraham K.)

Stanco Incorporated, New York, N. Y. Hand cleaner. Serial No. 375,228; May 26. Class 4.

Standard Brands Incorporated, New York, N. Y. Baking powder. Serial No. 365,866; May 26. Class 46.

Stanley Fruit Co., Phoenix, Ariz. Fresh vegetables. Serial No. 376,414; May 26. Class 46.

Steinam, A., Company, Inc., New York, N. Y. Cotton goods. Serial No. 375,104; May 26. Class 42.

Struthers, William A., San Leandro, Calif. Silk hosiery. Serial No. 375,735; May 26. Class 39.

Stuart Products Co. (See Cohen, William B.)

Susquehanna Waist Company, Philadelphia, Pa. Ladies' blouses and dresses. Serial No. 376,741; May 26. Class 39.

Sussman, Wormser & Co., San Francisco, Calif. Coffee. Serial No. 375,829; May 26. Class 46.

Taylor, Edith C., Hartford, Conn. Electric lamps. Serial No. 374,635; May 26. Class 21.

Taylor Instrument Companies, Rochester, N. Y. Auxiliary mechanism for controlling the stem position of motor-operated valves. Serial No. 375,180; May 26. Class 26.

Time Hosiery Company. (See Merriman, William V.)

Travel Stamp Company. (See Kreplin, William C.)

Turf Publications, Inc., Chicago, Ill. Magazine. Serial No. 376,232; May 26. Class 38.

United Luggage Company, Inc., New York, N. Y. Luggage. Serial No. 375,609; May 26. Class 3.

United States Gypsum Company, Chicago, Ill. Plastic board. Serial No. 376,233; May 26. Class 12.

United States Review Publishing Company, Philadelphia, Pa. Periodical. Serial No. 376,613; May 26. Class 38.

Vandewart Co., Inc., New York, N. Y. Knitted dresses, blouses, skirts, etc. Serial No. 376,362; May 26. Class 39.

Van Raalte Company, New York, N. Y. Warp knitted fabric, rayon or rayon and silk or rayon and cotton fabrics in the piece. Serial No. 374,108; May 26. Class 42.

Veralin, Inc., Chicago, Ill. Antiseptic, germicide, deodorant, etc. Serial No. 374,950; May 26. Class 6.

Victor Oil Engines (Coventry) Limited, Coventry, England. Internal combustion engines. Serial No. 373,899; May 26. Class 23.

Walker, Hiram, & Sons Inc., Peoria, Ill. Whiskey. Serial Nos. 377,427–31; May 26. Class 49.

Walker, Hiram, & Sons Inc., Peoria, Ill. Whiskey. Serial Nos. 377,433–6; May 26. Class 49.

Warren Refining and Chemical Company, The, Cleveland, Ohio. Cleaning compound for floors and the like. Serial No. 377,704; May 26. Class 4.

Weil Clothing Company, St. Louis, Mo. Men's and boys' shoes. Serial No. 375,482; May 26. Class 39.

Wernet Dental Mfg. Company, Brooklyn, N. Y. Chemical preparation for natural and artificial dentures. Serial No. 371,837; May 26. Class 6.

West Shore Wine & Liquor Company, Inc., New York, N. Y. Fabrication of aguardiente and wine. Serial No. 377,076; May 26. Class 49.

Wilber Co. Inc., Richmond, Va. Preparation for the treatment of gastro intestinal disorders. Serial No. 374,574; May 26. Class 6.

Winchester Toy Co., Clifton Heights, Pa. Toys made of lambskin. Serial No. 376,822; May 26. Class 22.

Wolverine-Empire Refining Co., New York, N. Y. Motor oil and greases. Serial No. 376,421; May 26. Class 15.

Worthington Ball Company, The, Elyria, Ohio. Golf balls. Serial Nos. 377,249–50; May 26. Class 22.

Zecha, Otto, Vienna, Austria. Phonograph records, gramophone records, discs and records for talking machines, etc. Serial No. 372,344; May 26. Class 36.

LIST OF REGISTRANTS OF TRADE-MARKS

A. C. Tablet Company, The. (See Suffern, James B.)

Acme Engineers, Inc., Minneapolis, Minn. Hair heating and drying apparatus. 335,157; May 26; Serial No. 369,839; published Mar. 17, 1936. Class 44.

Aladdin Radio Industries, Incorporated, Chicago, Ill. Radio receiving sets and parts thereof, transformers, coils, etc. 335,213; May 26; Serial No. 358,963; published Mar. 17, 1936. Class 21.

Alcuro Company, Schenectady, N. Y. Inhalant. 335,148; May 26; Serial No. 371,291; published Jan. 7, 1936. Class 6.

Algoma Plywood & Veneer Company, Algoma, Wis. Plywoods and veneers. 335,256; May 26. Class 12.

Alox Corporation, Niagara Falls, N. Y. Lubricating oils and greases, finished cutting and drawing oils, etc. 335,152; May 26; Serial No. 370,930; published Mar. 10, 1936. Class 15.

Alvord, Clarence E., doing business as Alvord Glove Company, Mayfield, N. Y. Gloves. 335,265; May 26. Class 39.

American Anode Inc., Wilmington, Del., and Akron, Ohio. Aqueous dispersions of rubber containing rubber compounding materials. 335,173; May 26; Serial No. 373,348; published Mar. 17, 1936. Class 1.

American Oil Company, The, Baltimore, Md. Anti-freeze for radiators. 335,175; May 26; Serial No. 373,290; published Mar. 10, 1936. Class 6.

American Packing & Provision Company, The. (See Ogden Packing & Provision Co., assignor.)

American Tobacco Company, The, New York, N. Y. Cigarettes. 335,113; May 26; Serial No. 373,065; published Mar. 10, 1936. Class 17.

Anderson, Alfred F. R., New York, N. Y. Thermo circuit closers for fire alarms. 335,233; May 26; Serial No. 374,034; published Mar. 17, 1936. Class 21.

Arrow Paint and Wallpaper Co., Denver, Colo. Paints, paint enamels, and varnishes. 335,246; May 26. Class 16.

Avondale Mills, Birmingham, Ala. Cotton and cotton and woolen piece goods. 335,264; May 26. Class 42.

Baker Ice Machine Company, Inc., Omaha, Nebr. Air conditioning unit and apparatus. 335,112; May 26; Serial No. 373,066; published Mar. 17, 1936. Class 34.

Ballard, Claude T. (See Musil, B. F., assignor.)

Bartman, Henry N., Chicago, Ill. Candy bars. 335,084; May 26; Serial No. 372,037; published Mar. 17, 1936. Class 46.

Bayer Company, Inc., The, New York, N. Y. Sedative, analgesic, and alkalinizing agent. 335,174; May 26; Serial No. 373,329; published Mar. 10, 1936. Class 6.

Berk, F. W., & Co., Inc., New York, N. Y. Fertilizer. 335,099; May 26; Serial No. 373,588; published Mar. 10, 1936. Class 10.

Betts, Clementina H., doing business as Standard Fluids, Baltimore, Md. Embalming chemicals. 335,091; May 26; Serial No. 372,308; published Mar. 10, 1936. Class 6.

Blanton Citrus Growers, Inc., Blanton, Fla. Fresh citrus fruits. 335,184; May 26; Serial No. 325,510; published June 7, 1932. Class 46.

Bowl-Kleen Laboratories. (See Harris, G. E.)

Braun, Geo. P., Company, Chicago, Ill. Oleomargarin. 109,639; renewed Apr. 11, 1936.

Braun, Geo. P., Company, Chicago, Ill. Oleomargarin. 110,035–7; renewed May 2, 1936.

British Motors, Ltd., doing business as S. S. Cars, Ltd., New York, N. Y. Automobiles and structural parts thereof. 335,172; May 26; Serial No. 373,358; published Mar. 17, 1936. Class 19.

Brooklyn Daily Eagle, Brooklyn, N. Y. Weekly magazine. 335,161; May 26; Serial No. 373,518; published Mar. 10, 1936. Class 38.

Brown, Alice, Shelburne Falls, Mass. Maple-sugar, maple-syrup, and maple candies. 112,997; renewed Oct. 10, 1936.

Buckeye Cotton Oil Company, The, Cincinnati, Ohio. Cotton-seed feed. 110,068; renewed May 2, 1936.

Bulkley, Duntin & Co., New York, N. Y. Printing paper. 335,227; May 26; Serial No. 373,910; published Mar. 10, 1936. Class 37.

Burdick Corporation, The, Milton, Wis. Equipment for producing galvanic current for therapeutic uses. 335,098; May 26; Serial No. 373,558; published Mar. 17, 1936. Class 44.

Burroughs Adding Machine Company, Detroit, Mich. Stationery and supplies. 335,153; May 26; Serial No. 370,757; published Mar. 17, 1936. Class 37.

Carlson, Charles B., doing business as Thornton-Carlson makers of Good Candy, Pasadena, Calif. Candy. 335,222; May 26; Serial No. 372,902; published Mar. 17, 1936. Class 46.

Carpenter, Geo. B., & Company, Chicago, Ill. Rubber belting, rubber hose, and rubber packing. 112,848; renewed Oct. 3, 1936.

Carson Pire Scott & Company, Chicago, Ill. Ladies' dresses. 335,239; May 26. Class 39.

Carter & Churchill Co., to Carter & Churchill Company, Lebanon, N. H. Coats, mackinaws, shirts, and overalls. 111,561; renewed July 25, 1936.

Celluloid Corporation, Newark, N. J. Impregnated cloth material for shoe stiffeners and the like. 335,102–3; May 26; Serial Nos. 373,671–2; published Mar. 17, 1936. Class 50.

Central Specialty Company, Ypsilanti, Mich. Automobile heaters utilizing hot fluids from the engine. 335,126; May 26; Serial No. 354,275; published Mar. 17, 1936. Class 19.

Chamberlain Company, Inc., Los Angeles, Calif. Raw (also partially processed) clay. 335,089; May 26; Serial No. 372,273; published Mar. 10, 1936. Class 1.

Chesapeake Petroleum Company. (See Rupp, Frederick H.)

Chicago Portrait Company, Chicago, Ill. Picture frames, mountings, and cases, etc. 335,192; May 26; Serial No. 366,933; published Oct. 15, 1935. Class 32.

Cleveland-Cliffs Iron Co., The, Cleveland, Ohio. Coal. 335,131; May 26; Serial No. 373,199; published Mar. 17, 1936. Class 1.

Climalene Company, The. (See National Chemical Company of California, assignor.)

Constant, Harold C., doing business as Constant Service, Lawrence, Kans. Coal. 335,114; May 26; Serial No. 373,070; published Mar. 10, 1936. Class 1.

Continental Distilling Corporation, Philadelphia, Pa. Whiskey, gin, rum, etc. 335,137; May 26; Serial No. 373,820; published Mar. 17, 1936. Class 49.

Corozone Air Conditioning Corporation, The, Cleveland, Ohio. Air conditioning units. 335,085; May 26; Serial No. 372,132; published Mar. 17, 1936. Class 34.

Crane Co., Chicago, Ill. Vacuum breakers and flush valves with vacuum breakers. 335,105; May 26; Serial No. 372,941; published Mar. 17, 1936. Class 13.

Daniels, Claude H., Natick, Mass. Boots, shoes, and slippers. 335,259; May 26. Class 39.

De Jonge, Louis, & Co., New York, N. Y. Preparation for making paper waterproof. 335,122; May 26; Serial No. 373,488; published Mar. 10, 1936. Class 6.

Delcraft Shops. (See Western Merchandising Corporation.)

Delta Electric Company, Marion, Ind. Portable electric signal lamps. 335,248; May 26. Class 21.

Delta Manufacturing Company, Milwaukee, Wis. Periodical publications. 335,156; May 26; Serial No. 370,092; published Mar. 10, 1936. Class 38.

Dewey and Almy Chemical Company, Cambridge, Mass. Adhesive compositions. 335,204; May 26; Serial No. 373,131; published Mar. 10, 1936. Class 5.

Ditchik, Hyman, doing business as Hollywood Laboratories, New York, N. Y. Perfumes. 335,144; May 26; Serial No. 371,490; published Mar. 10, 1936. Class 6.

Ditzler Color Company, Detroit, Mich. Paints, paint primers, paint enamels, and lacquers. 335,208; May 26; Serial No. 374,712; published Mar. 17, 1936. Class 16.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Lead pencils. 335,130; May 26; Serial No. 373,203; published Mar. 10, 1936. Class 37.

Duris, George, & Son. (See Dzuris, George.)

Dzuris, George, doing business as George Duris & Son, South Hadley Falls, Mass. Bowling pins. 335,210; May 26; Serial No. 372,661; published Mar. 17, 1936. Class 22.

Eaton Paper Corporation, Pittsfield, Mass. Stationery. 335,123; May 26; Serial No. 357,332; published Mar. 17, 1936. Class 37.

Eaton Paper Corporation, Pittsfield, Mass. Stationery. 335,181; May 26; Serial No. 352,524; published Mar. 10, 1936. Class 37.

Educational Society of America. (See Keast, Alfred H.)

Esquire, Inc., Chicago, Ill. Periodical. 335,141; May 26; Serial No. 371,968; published Mar. 10, 1936. Class 38.

Etablissements Rigaud, Inc., New York, N. Y. Toilet water. 335,145; May 26; Serial No. 371,465; published Mar. 10, 1936. Class 6.

Ex-cel-cis Beauty Products Company, Salt Lake City, Utah. Cleansing cream, tissue cream, skin freshener, etc. 335,214; May 26; Serial No. 360,133; published Mar. 10, 1936. Class 6.

Farrell, Joseph P., Philadelphia, Pa. Powdered solder containing flux. 335,262; May 26. Class 14.

Federal Mill, Inc. (See Mansfield Milling Co., The.)

Fidelity Oil Company, Inc., Spartanburg, S. C. Motor lubricating oils. 335,133; May 26; Serial No. 373,134; published Mar. 3, 1936. Class 15.

Fitzpatrick Bros. Inc., Chicago, Ill. Soap and soap flakes. 335,251; May 26. Class 4.

Flaccus, Wm., Oak Leather Company, Pittsburgh, Pa. Leather. 335,171; May 26; Serial No. 373,373; published Mar. 10, 1936. Class 1.

Fortnum & Mason Limited, London, England. Sherry wine. 335,212; May 26; Serial No. 358,013; published Mar. 17, 1936. Class 47.

Franklin Mills Co., Batavia, N. Y. Flour. 112,269; renewed Aug. 29, 1936.

Friedrichs, George A., Erie, Pa. Candle burners and candle holders. 335,095; May 26; Serial No. 372,625; published Mar. 17, 1936. Class 34.

Gacina, Marko, Seattle, Wash., to Marko Gacina, Chicago, Ill. Blood-purifier. 112,661; renewed Sept. 19, 1936.

General Beverage Company, Memphis, Tenn. Maltless beverages. 335,209; May 26; Serial No. 372,648; published Mar. 17, 1936. Class 45.

General Cable Corporation, New York, N. Y. Bare and insulated wires and cables. 335,237; May 26; Serial No. 374,133; published Mar. 17, 1936. Class 21.

General Plate Company, Attleboro, Mass. Thermostatic metal. 335,218; May 26; Serial No. 372,767; published Mar.10, 1936. Class 14.

Generamp, Inc., St. Louis, Mo. Electric generators. 335,228; May 26; Serial No. 373,956; published Mar. 17, 1936. Class 21.

Gilbert, A. C., Co., The. (See Mysto Mfg. Co., The, assignor.)

Gleason Works, The, Rochester, N. Y. Gear cutting tools and blades therefor. 335,200; May 26; Serial No. 374,136; published Mar. 17, 1936. Class 23.

Goldbaum, Samuel, doing business as Lily Hat Company, New York, N. Y. Ladies' hats. 335,242; May 26. Class 29.

Goldman, Edward, Co. Inc., New York, N. Y. Gloves. 335,257; May 26. Class 39.

Goodman, A., & Sons, Inc., New York, N. Y. Macaroni, spaghetti, elbows, etc. 109,830; renewed Apr. 18, 1936.

Gourland, Michel, New York, N. Y. Skin lotion. 335,191; May 26; Serial No. 367,466; published Mar. 10, 1936. Class 6.

Grant, V. A., doing business as Von Buron Laboratories, Independence, Iowa. Medicinal preparations. 335,128–9; May 26; Serial Nos. 373,211–12; published Mar. 10, 1936. Class 6.

Hagler, Sam, doing business as West Point Laboratories, New York, N. Y. Natural vegetable oil, hair tonic, lilac lotion, witch hazel, etc. 335,143; May 26; Serial No. 371,494; published Mar. 10, 1936. Class 6.

Harris, G. E., doing business as Bowl-Kleen Laboratories, Los Angeles, Calif. Toilet bowl cleaner. 335,244; May 26. Class 4.

Hearst Enterprises, Inderporated, New York, N. Y. Newspaper cartoon. 335,110; May 26; Serial No. 373,031; published Mar. 10, 1936. Class 38.

Heater Glove Corporation, Seattle, Wash. Gloves. 335,238; May 26. Class 39.

Heumann, L., & Co. Inc., New York, N. Y. Concentrate vitamin tablets. 335,088; May 26; Serial No. 372,205; published Mar. 10, 1936. Class 6.

Hibbard, Spencer, Bartlett & Company, Chicago, Ill. Torches, gas mantles, oil stoves and ranges, etc. 335,221; May 26; Serial No. 372,834; published Mar. 17, 1936. Class 34.

Hollywood Laboratories. (See Ditchik, Hyman.)

Hunter Milling Company, The. (See Monarch Milling Co., The, assignor.)

Hurlbut Co. Limited, The, assignor to Hurlbut Shoes Limited, Preston, Ontario, Canada. Footwear. 112,284; renewed Aug. 29, 1936.

Igoe, James T., Publishers, Chicago, Ill. Periodical. 335,116; May 26; Serial No. 373,118; published Mar. 10, 1936. Class 38.

Illinois Watch Case Company, Elgin, Ill. Watch cases and watch movements. 335,118; May 26; Serial No. 360,848; published Apr. 30, 1935. Class 27.

Indianapolis Paint & Color Co., Indianapolis, Ind. Paint brushes. 335,134; May 26; Serial No. 373,871; published Mar. 10, 1936. Class 29.

Isaacson Iron Works, Seattle, Wash. Tractor. 335,247; May 26. Class 23.

Jarn, Guillermo B., Santiago, Chile. Wine. 335,154; May 26; Serial No. 370,516; published Mar. 17, 1936. Class 47.

Jeffrey Manufacturing Company, The, Columbus, Ohio. Chains and chain links. 335,142; May 26; Serial No. 371,636; published Mar. 17, 1936. Class 13.

Jeffrey Manufacturing Company, The, Columbus, Ohio. Blowers, fans, and stokers. 335,193; May 26; Serial No. 366,770; published Mar. 17, 1936. Class 34.

Jelke, John F., Company, Chicago, Ill. Oleomargarin. 110,047–50; renewed May 2, 1936.

Jelke, John F., Company, Chicago, Ill. Oleomargarin. 110,175; renewed May 9, 1936.

Jelke, John F., Company, Chicago, Ill. Butter. 110,376; renewed May 16, 1936.

Jelke, John F., Company, Chicago, Ill. Lard. 111,459; renewed July 18, 1936.

Jergens, Andrew, Co., The, as assignee of The Andrew Jergens Co., assignor, by mesne assignments, to John H. Woodberry, Inc., Cincinnati, Ohio. Facial cream, dental cream, tooth-powder, etc. 112,426; renewed Sept. 5, 1936.

Johnson, Nestor, Manufacturing Company, Chicago, Ill. Ice skates and skate outfits. 335,116; May 16; Serial No. 374,528; published Mar. 17, 1936. Class 22.

Kaufmann Department Stores, Inc. (See Peck, Samuel W., & Co.)

Keast, Alfred H., doing business as Educational Society of America, San Francisco, Calif. Table-board educational games. 335,234; May 26; Serial No. 374,050; published Mar. 17, 1936. Class 22.

Kemp, Edward F., assignor to E. F. Kemp, Inc., Somerville, Mass. Peanut-brittle glacé mixture and glacé peanuts. 111,367; renewed July 11, 1936.

Knize & Comp. S. A. R. L., Paris, France. Articles of toilet and perfumery. 335,159; May 26; Serial No. 369,701; published Mar. 10, 1936. Class 6.

Kraus Bros. & Co. Inc., New York, N. Y. Whiskies. 335,240; May 26. Class 49.

Lake City Malleable Co., The, Cleveland, Ohio. Ferrous castings. 335,162; May 26; Serial No. 373,496; published Mar. 17, 1936. Class 14.

Laucks, I. F., Inc., Seattle, Wash. Calcimine. 335,205; May 26; Serial No. 374,671; published Mar. 17, 1936. Class 16.

Lees, James, & Sons Company, Bridgeport, Pa. Wool yarns. 335,140; May 26; Serial No. 373,692; published Mar. 10, 1936. Class 43.

Lewis, Nat. Purses, Inc., New York, N. Y. Purses. 335,164; May 26; Serial No. 373,452; published Mar. 10, 1936. Class 3.

Lieber Brewing Corporation, Indianapolis, Ind. Malt beverages. 335,243; May 26. Class 48.

Lily Hat Company. (See Goldbaum, Samuel.)

Lincoln Engineering Company, St. Louis, Mo. Lubricant fittings. 335,215; May 26; Serial No. 360,413; published Mar. 17, 1936. Class 23.

Loewenstein, Hermann, New York, N. Y. Shoe upper leather. 335,096; May 26; Serial No. 373,533; published Mar. 17, 1936. Class 1.

Löwen-Apotheke Alexander Müller Seidelen-Werk, Bad Kreuznach, Germany. Medicinal preparations. 335,132; May 26; Serial No. 373,177; published Mar. 10, 1936. Class 6.

Lufkin Rule Company, The, Saginaw, Mich. Measuring tapes. 335,235; May 26; Serial No. 374,052; published Mar. 17, 1936. Class 26.

Maier Brewing Co., Inc., doing business as Santa Fe Distributing Co., Los Angeles, Calif. Beer. 335,258; May 26. Class 48.

Mansfield Milling Co., The, Mansfield, Ohio, to Federal Mill, Inc., Lockport, N. Y., successor. Wheat-flour. 111,255; renewed July 4, 1936.

Massman Chemical Company, Lufkin, Tex. Medicinal preparation. 335,179; May 26; Serial No. 373,260; published Mar. 10, 1936. Class 6.

May Department Stores Company, The, New York, N. Y., to May Department Stores Co., St. Louis, Mo. Clothing. 112,013; renewed Aug. 15, 1936.

McLean, E. C., Inc., Palmetto, Fla. Fresh vegetables. 335,225; May 26; Serial No. 373,881; published Mar. 17, 1936. Class 46.

McMillan Bros., La Conner, Wash. Canned peas. 335,231; May 26; Serial No. 374,011; published Mar. 17, 1936. Class 46.

Menasha Products Company, The, Menasha, Wis. Semi-transparent wrapping paper. 335,108; May 26; Serial No. 366,017; published Mar. 17, 1936. Class 37.

Menasha Products Company, The, Menasha, Wis. Paper napkins. 335,219; May 26; Serial No. 372,784; published Mar. 17, 1936. Class 37.

Merkin, Inc., Boston, Mass. Brassières, corsets, girdles, etc. 335,253; May 26. Class 39.

Meyer, Joseph H., Brothers, Brooklyn, N. Y. Jewelry, powder, and utility cases, flower vases, etc. 335,139; May 26; Serial No. 373,711; published Mar. 17, 1936. Class 2.

Meyer, Theodore, assignor to Bertha K. Meyer, doing business as Theodore Meyer Est., Philadelphia, Pa. Antiseptics, deodorizers, disinfectants, etc. 112,915; renewed Oct. 3, 1936.

Milk Minerals Co. Inc., New York, N. Y. High calcium food in powdered or granulated form. 335,220; May 26; Serial No. 372,787; published Mar. 17, 1936. Class 46.

Miller Becker Co., The, Cleveland, Ohio. Maltless beverages and seltzer. 335,203; May 26; Serial No. 374,527; published Mar. 17, 1936. Class 45.

Minute Products Co. (See Williams, Celine.)

Monarch Milling Co., The, Hutchinson, assignor, by mesne assignments, to The Hunter Milling Company, Wellington, Kans. Wheat-flour. 109,615–16; renewed Apr. 11, 1936.

Monark Battery Company, Inc., Chicago, Ill. Bicycles. 335,125; May 26; Serial No. 354,518; published Sept. 18, 1934. Class 19.

Moore Corporation, The, Joliet, Ill. Coal stoves and ranges. 335,127; May 26; Serial No. 353,939; published Sept. 3, 1935. Class 34.

Morrell, John, & Co., Ottumwa, Iowa. Bacon, brains, and gravy, butter, etc. 335,117; May 26; Serial No. 360,645; published Mar. 17, 1936. Class 46.

Motor Service Mfg. Co. (See Weber, Max.)

Municipal Shoe Co., Inc., Brooklyn, N. Y. Footwear. 335,252; May 26. Class 39.

Musil, B. F., doing business as Rusk Bakery, Rusk, assignor to Claude T. Ballard, Lufkin, Tex. Loaves of bread. 335,151; May 26; Serial No. 370,950; published Mar. 17, 1936. Class 46.

Mysto Mfg. Co., The, (now by change of name The A. C. Gilbert Company), assignor to The A. C. Gilbert Co., New Haven, Conn. Building toys. 111,422; renewed July 11, 1936.

National Chemical Company of California, Los Angeles, Calif., assignor, by mesne assignments, to The Climalene Company, Canton, Ohio. Water-softening compound. 112,796; renewed Sept. 26, 1936.

National Mattress Company, Huntington, W. Va. Mattresses. 335,199; May 26; Serial No. 353,179; published Mar. 17, 1936. Class 32.

National Modes, Inc., New York, N. Y. Women's coats, suits, neckwear, etc. 335,254; May 26. Class 39.

Neenah Paper Company, Neenah, Wis. Bond and ledger paper. 112,536; renewed Sept. 12, 1936.

Neenah Paper Company, Neenah, Wis. Bond and ledger paper. 112,541–2; renewed Sept. 12, 1936.

Nestle-Le Mur Company, The, New York, N. Y. Preparation for treating hair and for use in waving or curling hair. 335,146; May 26; Serial No. 371,394; published Mar. 10, 1936. Class 6.

Nestle-Le Mur Company, The, New York, N. Y. Electrical permanent waving devices, hair waving pads, etc. 335,147; May 26; Serial No. 371,392; published Mar. 17, 1936. Class 44.

New York Wetpruf Corporation, New York, N. Y. Composition for waterproofing fabrics, etc. 335,241; May 26. Class 6.

Nicholson File Company, Providence, R. I. Files and rasps. 335,229; May 26; Serial No. 373,967; published Mar. 17, 1936. Class 23.

Norfolk Paint & Varnish Company, Quincy, Mass. Paints and paint enamels. 335,086; May 26; Serial No. 372,141; published Mar. 17, 1936. Class 16.

Northland Fuels, Inc., Marinette, Wis. Coal. 335,178; May 26; Serial No. 373,262; published Mar. 10, 1936. Class 1.

Odora Company, Inc., New York, N. Y. Insecticides, insect repellants, and insect sprays. 335,106; May 26; Serial No. 372,942; published Mar. 10, 1936. Class 6.

Ogden Packing & Provision Co., assignor to The American Packing & Provision Company, Ogden, Utah. Lard, smoked hams, bacon, etc. 112,923; renewed Oct. 3, 1936.

Ohio Chemical Co. (See Weiss, Benjamin.)

Ohio Salt Company, The, Wadsworth, Ohio. Salt. 112,799–801; renewed Sept. 26, 1936.

Old Ben Coal Corporation, Chicago, Ill. Coal. 335,136; May 26; Serial No. 373,836; published Mar. 10, 1936. Class 1.

Parke, Davis & Company, Detroit, Mich. Brain emulsion for nervous disorders. 335,107–8; May 26; Serial Nos. 372,988–9; published Mar. 10, 1936. Class 6.

Parlor Games Co., Philadelphia, Pa. Card games. 335,206–7; May 26; Serial Nos. 374,681–2; published Mar. 17, 1936. Class 22.

Payne Furnace & Supply Co. Inc., Beverly Hills, Calif. Insulated gas vent and flue pipe. 335,187; May 26; Serial No. 368,427; published Mar. 17, 1936. Class 34.

Peck, Clement B., doing business as Three C Laboratories, Cleveland, Ohio. Eye medicine for acute inflammation of the eyes. 335,087; May 26; Serial No. 372,180; published Mar. 10, 1936. Class 6.

Peck, Samuel W., & Co., New York, N. Y., to Kaufmann Department Stores, Inc., Pittsburgh, Pa., successor. Rain-coats, outer suits, and sport-coats. 109,542; renewed Apr. 11, 1936.

Penn Art Crayon Co., Easton, Pa. White blackboards and crayons. 335,150; May 26; Serial No. 371,039; published Mar. 10, 1936. Class 50.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Jacketed vacuum bottles and lunch-boxes. 335,202; May 26; Serial No. 374,382; published Mar. 17, 1936. Class 2.

Penola Inc., Pittsburgh, Pa. Cutting oil. 335,189; May 26; Serial No. 367,734; published Feb. 25, 1934. Class 15.

Permo Products Corporation, Chicago, Ill. Phonograph needles. 335,177; May 26; Serial No. 373,264; published Mar. 17, 1936. Class 36.

Phoenix Brass Fitting Corporation, Irvington, N. J. Metal pipe traps and fittings. 335,180; May 26; Serial No. 373,265; published Mar. 17, 1936. Class 13.

Pittsburgh Dry Stencil Company, Pittsburgh, Pa. Duplicating stencils, and correction fluid. 335,211; May 26; Serial No. 372,741; published Mar. 17, 1936. Class 37.

Pittsburgh Dry Stencil Company, Pittsburgh, Pa. Duplicating stencils and correction fluid. 335,217; May 26; Serial No. 372,742; published Mar. 17, 1936. Class 37.

Plankinton Packing Company, Milwaukee, Wis. Eggs. 111,968; renewed Aug. 15, 1936.

Poster Products, Inc., Chicago, Ill. Display device. 335,197; May 26; Serial No. 366,293; published Mar. 10, 1936. Class 50.

Prest-O-Lite Battery Company, Inc., Speedway, Ind. Storage battery sealing compound. 335,194; May 26; Serial No. 366,641; published Mar. 10, 1936. Class 6.

Price, Jacob R., doing business as Price Metal Refining Company, Kansas City, Mo. Type metals. 335,188; May 26; Serial No. 368,007; published Mar. 10, 1936. Class 14.

Pro-Phy-Lac-Tic Brush Company, Northampton, Mass. Tooth brushes. 335,226; May 26; Serial No. 373,891; published Mar. 10, 1936. Class 29.

Quaker Chemical Products Corp., Conshohocken, Pa. Oleaginous preparation for textile fibers. 335,104; May 26; Serial No. 372,933; published Mar. 10, 1936. Class 6.

Quaker Chemical Products Corp., Conshohocken, Pa. Oleaginous preparation for textile fibers. 335,223; May 26; Serial No. 372,932; published Mar. 10, 1936. Class 6.

Quaker Chemical Products Corp., Conshohocken, Pa. Oleaginous preparation for textile fibers. 335,224; May 26; Serial No. 372,930; published Mar. 10, 1936. Class 6.

Rains, S. E., doing business as S. E. Rains Company, New York, N. Y. Handkerchiefs. 335,260; May 26. Class 42.

Reilly, Frank C., New York, N. Y. Astringents, astringent cerates, bleach creams, etc. 335,100; May 26; Serial No. 373,618; published Mar. 10, 1936. Class 6.

Rhodes, James H., & Company, Chicago, Ill. Stone-cement and stone-putty. 112,219; renewed Aug. 22, 1936.

Rock Island Register Company, Rock Island, Ill. Sidewall warm-air registers. 112,557; renewed Sept. 12, 1936.

Roy, J. A., Chesaning, Mich. Trailer coaches. 335,186; May 26; Serial No. 368,952; published Mar. 17, 1936. Class 19.

Rubenstein, Louis G., Pittsburgh, Pa. Preparation for la grippe, tonsilitis, arthritis, etc. 335,101; May 26; Serial No. 373,620; published Mar. 10, 1936. Class 6.

Rupp, Frederick H., doing business as Chesapeake Petroleum Company, Baltimore, Md. Lubricating oils and greases. 335,158; May 26; Serial No. 369,830; published Nov. 19, 1935. Class 15.

Rusk Bakery. (See Musil, B. F.)

S. S. Cars, Ltd. (See British Motors, Ltd.)

Sanford Manufacturing Co., Chicago, Ill. Pastes and adhesives. 110,435; renewed May 23, 1936.

Santa Fe Distributing Co. (See Maier Brewing Co., Inc.)

Savoy Watch Co. Inc., New York, N. Y. Gold, silver, and platinum watches. 335,160; May 26; Serial No. 369,550; published Mar. 10, 1936. Class 27.

Sherwin-Williams Co., The, Cleveland, Ohio. Paints, paint enamels, varnishes, etc. 335,201; May 26; Serial No. 374 255; published Mar. 17, 1936. Class 16.

Simmons Manufacturing Company, The, Cleveland, Ohio. Hydraulic lifting jacks. 335,230; May 26; Serial No. 373,979; published Mar. 17, 1936. Class 23.

Smokeless Fuel Company, Charleston, W. Va. Coal. 335,135; May 26; Serial No. 373,843; published Mar. 17, 1936. Class 1.

Sociedade dos Vinhos do Porto Constantino, Ltda. (See Tillier-Thompson, Inc., assignor.)

Societe des Proprietaires Vinicoles de Cognac, J. G. Monnet & Cie., Societe Anonyme, Cognac, France. Cognac. 335,168; May 26; Serial No. 373,397; published Mar. 17, 1936. Class 49.

Societe des Proprietaires Vinicoles de Cognac, J. G. Monnet & Cie., Societe Anonyme, Cognac, France. Cognac. 335,170; May 26; Serial No. 373,396; published Mar. 17, 1936. Class 49.

Societe Hellenique de Vins et Spiritueux, S. A., Athens, Greece. Wines. 335,120; May 26; Serial No. 363,991; published Mar. 17, 1936. Class 47.

Soussa, Edmond, New York, N. Y. Hair dye remover. 335,169; May 26; Serial No. 373,398; published Mar. 10, 1936. Class 6.

Squibb, E. R., & Sons, New York, N. Y. Preparations for the treatment of burns. 335,176; May 26; Serial No. 373,271; published Mar. 10, 1936. Class 6.

Standard Fluids. (See Betts, Clementina H.)

Star Brush Manufacturing Company, Inc., Long Island City, N. Y. Guards for paint brushes. 335,119; May 26; Serial No. 361,639; published Mar. 10, 1936. Class 29.

Stebbing, Daisy, Forest Hills, N. Y. Slenderizing cream. 335,190; May 26; Serial No. 367,512; published Mar. 10, 1936. Class 6.

Steinberger Bros. Glove Corp., New York, N. Y. Fabric gloves. 335,249; May 26. Class 39.

Steinberger Bros. Glove Corp., New York, N. Y. Fabric gloves. 335,266; May 26. Class 39.

Stewart-Warner Corporation, Chicago, Ill. Anti-freeze solutions. 335,100; May 26; Serial No. 373,002; published Mar. 10, 1936. Class 6.

Stienen, Ernest A., Long Island City, N. Y. Sizing, drying, and dyeing machinery. 335,261; May 26. Class 23.

Stone, Harry S., Inc., New York, N. Y. Handbags, traveling bags, purses, etc. 335,138; May 26; Serial No. 373,758; published Mar. 17, 1936. Class 3.

Stoody Company, Whittier, Calif. Tungsten carbon cobalt compounds. 335,167; May 26; Serial No. 373,433; published Mar. 17, 1936. Class 14.

Suffern, James B., doing business as The A. C. Tablet Company, Elmira, N. Y. Tablets containing caffein sodio-benzoate. 335,092; May 26; Serial No. 372,442; published Feb. 25, 1936. Class 6.

Sun Oil Company, Philadelphia, Pa. Lubricating oil. 335,124; May 26; Serial No. 357,187; published Mar. 10, 1936. Class 15.

Taylor, Lena H., Springfield, Mass., to Lena H. Taylor, Skowhegan, Maine. Infants' hosiery. 109,585; renewed Apr. 11, 1936.

Tennessee Eastman Corporation, Kingsport, Tenn. Chemicals. 335,115; May 26; Serial No. 373,087; published Mar. 10, 1936. Class 6.

Three C Laboratories. (See Peck, Clement B.)

Thompkins' Label Service, Philadelphia, Pa. Greaseproof labels. 335,250; May 26. Class 37.

Thornton-Carlson makers of Good Candy. (See Carlson, Charles B.)

Tillier-Thompson, Inc., New York, N. Y., assignor to Sociedade dos Vinhos do Porto Constantino, Ltda., Villa Nova de Gaya, Portugal. Wines. 335,182; May 26; Serial No. 347,998; published Mar. 17, 1936. Class 47.

Trees, C. E., & Co., Inc., Indianapolis, Ind. Beverage, sirup, and extract for making the same. 335,155; May 26; Serial No. 370,368; published Mar. 17, 1936. Class 45.

Triangle Mechanical Laboratories Corp., Brooklyn, N. Y. Safety razor blades. 335,183; May 26; Serial No. 341,218; published June 19, 1934. Class 23.

Tyrrell's Hygienic Institute, Inc., New York, N. Y. Powders for feminine hygiene. 335,094; May 26; Serial No. 372,576; published Mar. 10, 1936. Class 6.

United Drug Company, Boston, Mass. Athlete's rub. 335,165; May 26; Serial No. 373,435; published Mar. 10, 1936. Class 6.

United Drug Company, Boston, Mass. Cough syrup. 335,166; May 26; Serial No. 373,434; published Mar. 10, 1936. Class 6.

United States Envelope Company, Springfield, Mass. Toilet paper. 335,263; May 26. Class 37.

Vadsco Sales Corporation. (See Vivaudou, V., Inc., assignor.)

Valvoline Oil Company, Cincinnati, Ohio and New York, N. Y. Preparation for use as a pomade or dressing for the hair. 335,163; May 26; Serial No. 373,470; published Mar. 10, 1936. Class 6.

Vivaudou, V., Inc., New York, N. Y., assignor, by mesne assignments, to Vadsco Sales Corporation, Long Island City, N. Y. Pharmaceutical preparations. 112,058; renewed Oct. 3, 1936.

Von Ruron Laboratories. (See Grant, V. A.)

Wachtel, Nathan J., New York, N. Y. Watches and clocks. 335,097; May 26; Serial No. 373,544; published Mar. 17, 1936. Class 27.

Waldorf Paper Products Company, St. Paul, Minn. Packaging material. 335,185; May 26; Serial No. 369,287; published Mar. 10, 1936. Class 37.

Waterbury Clock Company, The, Waterbury, Conn. Watches. 335,255; May 26. Class 27.

Weber, Max, doing business as Motor Service Mfg. Co., Chicago, Ill. Crank case oil level controllers. 335,196; May 26; Serial No. 366,385; published Mar. 17, 1936. Class 13.

Weiss, Benjamin, doing business as Ohio Chemical Co., Brooklyn, N. Y. Compound for use in stopping leaks in automobile and tractor radiators. 335,090; May 26; Serial No. 372,294; published Mar. 10, 1936. Class 6.

West Point Laboratories. (See Hagler, Sam.)

Western Merchandising Corporation, doing business as Delcraft Shops, Kansas City, Mo. Beds, chairs, tables, etc. 335,195; May 26; Serial No. 366,590; published Sept. 3, 1935. Class 32.

Weston Electrical Instrument Corporation, Newark, N. J. Thermometers. 335,236; May 26; Serial No. 374,110; published Mar. 17, 1936. Class 26.

Wigler, Albert I., doing business as Wiglers Products Co., Newark, N. J. Glass cleaner and polish, metal-polish, soaps, etc. 335,245; May 26. Class 4.

Williams, Celine, doing business as Minute Products Co., Brooklyn, N. Y. Salve for colds, headaches, etc.; nose drops, liniment, etc. 335,111; May 26; Serial No. 373,059; published Mar. 3, 1936. Class 6.

Williams, Christine, doing business as M. C. Williams Mfg., Buffalo, N. Y. Hair preparations. 335,121; May 26; Serial No. 364,406; published Mar. 10, 1936. Class 6.

Williams, J. H., & Co., Buffalo, N. Y. Wrenches, wrench sets, wrench sockets, etc. 335,232; May 26; Serial No. 374,033; published Mar. 17, 1936. Class 23.

Windsor-Lloyd Products, Inc., Wilmington, Del. Rust-proof anti-freeze preparation. 335,149; May 26; Serial No. 371,242; published Mar. 10, 1936. Class 6.

Woodberry, John H., Inc. (See Jergens, Andrew, Co., The, assignor.)

Zinsser, Wm., & Co., Inc., New York, N. Y. Paints and painters' materials. 112,603; renewed Sept. 12, 1936.

Zinsser, Wm., & Co., Inc., New York, N. Y. Paints and painters' materials. 112,240; renewed Aug. 22, 1936.

LIST OF REGISTRANTS OF LABELS

Haller Baking Company, Pittsburgh, Pa. Haller's Family Special Bread. For Bread. 47,491; May 26.

Haumann, George, doing business as Geo. Haumann Laboratories, Chicago, Ill. HauDigest. For Antacid Powder. 47,492; May 26.

LIST OF REGISTRANTS OF PRINTS

Cream of Wheat Corporation, The, Minneapolis, Minn. Can Your Child Live on Her Income? For Wheat Breakfast Food. 15,708; May 26.

Scotch Woolen Mills, Chicago, Ill. All Wool Full Suit or Topcoat Made to Order. For Suits and Topcoats. 15,709; May 26.

Superior Chemical Works, Inc., Louisville, Ky. Efficiency Boiler Treatment. For a Scientifically Prepared Chemical Used as a Boiler Compound and Rust Eradicator. 15,710; May 26.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Aqueous dispersions of rubber containing rubber compounding materials. American Anode Inc. 335,173; May 26; Serial No. 373,348; published Mar. 17, 1936.

Clay, Raw (also partially processed). Chamberlain Company. 335,089; May 26; Serial No. 372,273; published Mar. 10, 1936.

Leather, Shoe upper. H. Loewenstein. 335,096; May 26; Serial No. 373,533; published Mar. 17, 1936.

Coal. Cleveland-Cliffs Iron Co. 335,131; May 26; Serial No. 373,199; published Mar. 17, 1936.

Coal. H. C. Constant. 335,114; May 26; Serial No. 373,070; published Mar. 10, 1936.

Coal. Northland Fuels, Inc. 335,178; May 26; Serial No. 373,262; published Mar. 10, 1936.

Coal. Old Ben Coal Corporation. 335,136; May 26; Serial No. 373,836; published Mar. 10, 1936.

Coal. Smokeless Fuel Company. 335,135; May 26; Serial No. 373,843; published Mar. 17, 1936.

Leather. Wm. Flaccus Oak Leather Company. 335,171; May 26; Serial No. 373,373; published Mar. 10, 1936.

CLASS 2

Bottles and lunch-boxes, Jacketed vacuum. J. C. Penney Company. 335,202; May 26; Serial No. 374,382; published Mar. 17, 1936.

Cases, flower vases, etc., Jewelry, powder, and utility. Joseph H. Meyer Brothers. 335,139; May 26; Serial No. 373,711; published Mar. 17, 1936.

CLASS 3

Handbags, traveling bags, purses, etc. Harry S. Stone, Inc. 335,138; May 26; Serial No. 373,758; published Mar. 17, 1936.

Purses. Nat Lewis Purses, Inc. 335,164; May 26; Serial No. 373,452; published Mar. 10, 1936.

CLASS 4

Cleaner and polish, metal-polish, soaps, etc., Glass. A. I. Wigler. 335,245; May 26.

Cleaner, Toilet bowl. G. E. Harris. 335,244; May 26.

Soap and soap flakes. Fitzpatrick Bros. Inc. 335,251; May 26.

CLASS 5

Adhesive compositions. Dewey and Almy Chemical Company. 335,204; May 26; Serial No. 373,131; published Mar. 10, 1936.

Pastes and adhesives. Sanford Manufacturing Co. 110,435; renewed May 23, 1936.

Stone-cement and stone-putty. James H. Rhodes & Company. 112,219; renewed Aug. 22, 1936.

CLASS 6

Anti-freeze for radiators. American Oil Company. 335,175; May 26; Serial No. 373,290; published Mar. 10, 1936.

Anti-freeze preparation, Rust-proof. Windsor-Lloyd Products, Inc. 335,149; May 26; Serial No. 371,242; published Mar. 10, 1936.

Anti-freeze solutions. Stewart-Warner Corporation. 335,109; May 26; Serial No. 373,002; published Mar. 10, 1936.

Antiseptics, deodorizers, disinfectants, etc. T. Meyer. 112,915; renewed Oct. 3, 1936.

Articles of toilet and perfumery. Knize & Comp. S. A. R. L. 335,159; May 26; Serial No. 369,701; published Mar. 10, 1936.

Astringents, astringent cerates, bleach creams, etc. F. C. Reilly. 335,100; May 26; Serial No. 373,618; published Mar. 10, 1936.

Blood-purifier. M. Gadina. 112,661; renewed Sept. 19, 1936.

Brain emulsion for nervous disorders. Parke, Davis & Company. 335,107–8; May 26; Serial Nos. 372,988–9; published Mar. 10, 1936.

Chemicals. Tennessee Eastman Corporation. 335,115; May 26; Serial No. 373,087; published Mar. 10, 1936.

Composition for waterproofing fabrics, etc. New York Wetpruf Corporation. 335,241; May 26.

Compound for use in stopping leaks in automobile and tractor radiators. B. Weiss. 335,090; May 26; Serial No. 372,294; published Mar. 10, 1936.

Compound, Water-softening. National Chemical Company of California. 112,796; renewed Sept. 26, 1936.

Cough syrup. United Drug Company. 335,166; May 26; Serial No. 373,434; published Mar. 10, 1936.

Cream, dental cream, tooth-powder, etc., Facial. Andrew Jergens Co. 112,426; renewed Sept. 5, 1936.

Cream, Slenderizing. D. Stebbing. 335,190; May 26; Serial No. 367,512; published Mar. 10, 1936.

Cream, tissue cream, skin freshener, etc., Cleansing. Excel-cis Beauty Products Company. 335,214; May 26; Serial No. 360,133; published Mar. 10, 1936.

Embalming chemicals. C. H. Betts. 335,091; May 26; Serial No. 372,308; published Mar. 10, 1936.

Hair dye remover. E. Soussa. 335,169; May 26; Serial No. 373,398; published Mar. 10, 1936.

Hair preparations. C. Williams. 335,121; May 26; Serial No. 364,406; published Mar. 10, 1936.

Inhalant. Alcuro Company. 335,147; May 26; Serial No. 371,291; published Jan. 7, 1936.

Insecticides, insect repellants, and insect sprays. Odora Company. 335,106; May 26; Serial No. 372,942; published Mar. 10, 1936.

Lotion, Skin. M. Gourland. 335,191; May 26; Serial No. 367,466; published Mar. 10, 1936.

Medicinal preparation. Massman Chemical Company. 335,179; May 26; Serial No. 373,260; published Mar. 10, 1936.

Medicinal preparations. V. A. Grant. 335,128–9; May 26; Serial Nos. 373,211–12; published Mar. 10, 1936.

Medicinal preparations. Löwen-Apotheke Alexander Müller Sendelen-Werk. 335,132; May 26; Serial No. 373,177; published Mar. 10, 1936.

Medicine for acute inflammation of the eyes, Eye. C. B. Peck. 335,087; May 26; Serial No. 372,180; published Mar. 10, 1936.

Oleaginous preparation for textile fibers. Quaker Chemical Products Corp. 335,104; May 26; Serial No. 372,933; published Mar. 10, 1936.

Oleaginous preparation for textile fibers. Quaker Chemical Products Corp. 335,224; May 26; Serial No. 372,930; published Mar. 10, 1936.

Oleaginous preparation for use as a scouring agent. Quaker Chemical Products Corp. 335,223; May 26; Serial No. 372,932; published Mar. 10, 1936.

Perfumes. H. Ditchik. 335,144; May 26; Serial No. 371,490; published Mar. 10, 1936.

Pharmaceutical preparations. V. Vivaudou, Inc. 112,958; renewed Oct. 3, 1936.

Powders for feminine hygiene. Tyrrell's Hygienic Institute, Inc. 335,094; May 26; Serial No. 372,576; published Mar. 10, 1936.
Preparation for la grippe, tonsilitis, arthritis, etc. L. G. Rubenstein. 335,101; May 26; Serial No. 373,620; published Mar. 10, 1936.
Preparation for making paper waterproof. Louis De Jonge & Co. 335,122; May 26; Serial No. 373,488; published Mar. 10, 1036.
Preparation for treating hair and for use in waving or curling hair. Nestle-Le Mur Company. 335,146; May 26; Serial No. 371,394; published Mar. 10, 1936.
Preparation for use as a pomade or dressing for the hair. Valvoline Oil Company. 335,163; May 26; Serial No. 373,470; published Mar. 10, 1936.
Preparations for the treatment of burns. E. R. Squibb & Sons. 335,176; May 26; Serial No. 373,271; published Mar. 10, 1936.
Rub, Athlete's. United Drug Company. 335,165; May 26; Serial No. 373,435; published Mar. 10, 1936.
Salve for colds, headaches, etc., nose drops, liniment, etc. C. Williams. 335,111; May 26; Serial No. 373,059; published Mar. 3, 1936.
Sealing compound, Storage battery. Prest-O-Lite Battery Company. 335,194; May 26; Serial No. 366,641; published Mar. 10, 1936.
Sedative, analgesic, and alkalinizing agent. Bayer Company. 335,174; May 26; Serial No. 373,329; published Mar. 10, 1936.
Tablets, Concentrate vitamin. L. Heumann & Co. Inc. 335,088; May 26; Serial No. 372,205; published Mar. 10, 1936.
Tablets containing caffein sodio-benzoate. J. B. Suffern. 335,092; May 26; Serial No. 372,442; published Feb. 25, 1936.
Toilet water. Etablissements Rigaud, Inc. 335,145; May 26; Serial No. 371,465; published Mar. 10, 1936.
Vegetable oil, hair tonic, lilac lotion, etc., Natural. S. Hagler. 335,143; May 26; Serial No. 371,494; published Mar. 10, 1936.

CLASS 10

Fertilizer. F. W. Berk & Co. 335,099; May 26; Serial No. 373,588; published Mar. 10, 1936.

CLASS 12

Plywoods and veneers. Algoma Plywood & Veneer Company. 335,256; May 26.

CLASS 13

Chains and chain links. Jeffrey Manufacturing Company. 335,142; May 26; Serial No. 371,636; published Mar. 17, 1936.
Crank case oil level controllers. M. Weber. 335,196; May 26; Serial No. 366,385; published Mar. 17, 1936.
Traps and fittings, Metal pipe. Phoenix Brass Fittings Corporation. 335,180; May 26; Serial No. 373,265; published Mar. 17, 1936.
Vacuum breakers and flush valves with vacuum breakers. Crane Co. 335,105; May 26; Serial No. 372,941; published Mar. 17, 1936.

CLASS 14

Castings, Ferrous. Lake City Malleable Co. 335,162; May 26; Serial No. 373,496; published Mar. 17, 1936.
Metal, Thermostatic. General Plate Company. 335,218; May 26; Serial No. 372,767; published Mar. 10, 1936.
Metals, Type. J. R. Price. 335,188; May 26; Serial No. 368,007; published Mar. 10, 1936.
Solder containing flux, Powdered. J. P. Farrell. 335,262; May 26.
Tungsten carbon cobalt compounds. Stoody Company. 335,167; May 26; Serial No. 373,433; published Mar. 17, 1936.

CLASS 15

Oil, Cutting. Penola Inc. 335,189; May 26; Serial No. 367,734; published Feb. 25, 1936.
Oil, Lubricating. Sun Oil Company. 335,124; May 26; Serial No. 357,187; published Mar. 10, 1936.
Oils and greases, finished cutting and drawing oils, etc., Lubricating. Alox Corporation. 335,152; May 26; Serial No. 370,930; published Mar. 10, 1936.
Oils and greases, Lubricating. F. H. Rupp. 335,158; May 26; Serial No. 369,830; published Nov. 19, 1935.
Oils, Motor lubricating. Fidelity Oil Company. 335,133; May 26; Serial No. 373,134; published Mar. 3, 1936.

CLASS 16

Calcimine. I. F. Laucks, Inc. 335,205; May 26; Serial No. 374,671; published Mar. 17, 1936.
Paints and paint enamels. Norfolk Paint & Varnish Company. 335,086; May 26; Serial No. 372,141; published Mar. 17, 1936.
Paints and painters' materials. Wm. Zinsser & Co. 112,240; renewed Aug. 22, 1936.
Paints and painters' materials. Wm. Zinsser & Co. 112,603; renewed Sept. 12, 1936.
Paints, paint enamels, and varnishes. Arrow Paint and Wallpaper Co. 335,246; May 26.
Paints, paint enamels, varnishes, etc. Sherwin-Williams Co. 335,201; May 26; Serial No. 374,255; published Mar. 17, 1936.
Paints, paint primers, paint enamels, and lacquers. Ditzler Color Company. 335,208; May 26; Serial No. 374,712; published Mar. 17, 1936.

CLASS 17

Cigarettes. American Tobacco Company. 335,113; May 26; Serial No. 373,065; published Mar. 10, 1936.

CLASS 19

Automobiles and structural parts thereof. British Motors, Ltd. 335,172; May 26; Serial No. 373,358; published Mar. 17, 1936.
Bicycles. Monark Battery Company. 335,125; May 26; Serial No. 354,518; published Sept. 18, 1934.
Coaches, Trailer. J. A. Roy. 335,186; May 26; Serial No. 368,952; published Mar. 17, 1936.
Heaters utilizing hot fluids from the engine, Automobile. Central Specialty Company. 335,126; May 26; Serial No. 354,275; published Mar. 17, 1936.

CLASS 21

Circuit closers for fire alarms, Thermo. A. F. R. Anderson. 335,233; May 26; Serial No. 374,034; published Mar. 17, 1936.
Electric generators. Generamp, Inc. 335,228; May 26; Serial No. 373,956; published Mar. 17, 1936.
Electric signal lamps, Portable. Delta Electric Company. 335,248; May 26.
Radio receiving sets and parts thereof, transformers, coils, etc. Aladdin Radio Industries, Incorporated. 335,213; May 26; Serial No. 358,963; published Mar. 17, 1936.
Wires and cables, Bare and insulated. General Cable Corporation. 335,237; May 26; Serial No. 374,133; published Mar. 17, 1936.

CLASS 22

Bowling pins. G. Dzuris. 335,210; May 26; Serial No. 372,661; published Mar. 17, 1936.
Games, Card. Parlor Games Co. 335,206–7; May 26; Serial Nos. 374,681–2; published Mar. 17, 1936.
Games, Table-board educational. A. H. Keast. 335,234; May 26; Serial No. 374,050; published Mar. 17, 1936.
Skates and skate outfits, Ice. Nestor Johnson Manufacturing Company. 335,216; May 26; Serial No. 374,528; published Mar. 17, 1936.
Toys, Building. Mysto Mfg. Co. 111,422; renewed July 11, 1936.

CLASS 23

Files and rasps. Nicholson File Company. 335,229; May 26; Serial No. 373,967; published Mar. 17, 1936.
Fittings, Lubricant. Lincoln Engineering Company. 335,215; May 26; Serial No. 360,413; published Mar. 17, 1936.
Gear cutting tools and blades therefor. Gleason Works. 335,200; May 26; Serial No. 374,136; published Mar. 17, 1936.
Jacks, Hydraulic lifting. Simmons Manufacturing Company. 335,230; May 26; Serial No. 373,979; published Mar. 17, 1936.
Razor blades, Safety. Triangle Mechanical Laboratories Corp. 335,183; May 26; Serial No. 341,218; published June 19, 1934.
Sizing, drying, and dyeing machinery. E. A. Stienen. 335,201; May 26.
Tractor. Isaacson Iron Works. 335,247; May 26.
Wrenches, wrench sets, wrench sockets, etc. J. H. Williams & Co. 335,252; May 26; Serial No. 374,033; published Mar. 17, 1936.

CLASS 26

Measuring tapes. Lufkin Rule Company. 335,235; May 26; Serial No. 374,052; published Mar. 17, 1936.
Thermometers. Weston Electrical Instrument Corporation. 335,236; May 26; Serial No. 374,110; published Mar. 17, 1936.

CLASS 27

Watch cases and watch movements. Illinois Watch Case Company. 335,118; May 26; Serial No. 360,848; published Apr. 30, 1935.
Watches. Savoy Watch Co. Inc. 335,160; May 26; Serial No. 369,550; published Mar. 10, 1936.
Watches. Waterbury Clock Company. 335,255; May 26.
Watches and clocks. N. J. Wuchtel. 335,097; May 26; Serial No. 373,544; published Mar. 17, 1936.

CLASS 29

Brushes, Paint. Indianapolis Paint & Color Co. 335,134; May 26; Serial No. 373,871; published Mar. 10, 1936.
Guards for paint brushes. Star Brush Manufacturing Company. 335,119; May 26; Serial No. 361,639; published Mar. 10, 1936.
Tooth brushes. Pro-Phy-Lac-Tic Brush Company. 335,226; May 26; Serial No. 373,891; published Mar. 10, 1936.

CLASS 32

Beds, chairs, tables, etc. Western Merchandising Corporation. 335,195; May 26; Serial No. 366,590; published Sept. 3, 1935.
Frames, mountings, and cases, etc., Picture. Chicago Portrait Company. 335,192; May 26; Serial No. 366,933; published Oct. 15, 1935.
Mattresses. National Mattress Company. 335,190; May 26; Serial No. 353,179; published Mar. 17, 1936.

CLASS 34

Air conditioning unit and apparatus. Baker Ice Machine Company. 335,112; May 26; Serial No. 373,066; published Mar. 17, 1936.
Air conditioning units. Corozone Air Conditioning Corporation. 335,085; May 26; Serial No. 372,132; published Mar. 17, 1936.
Blowers, fans, and stokers. Jeffrey Manufacturing Company. 335,193; May 26; Serial No. 366,770; published Mar. 17, 1936.
Candle burners and candle holders. G. A. Friedrichs. 335,095; May 26; Serial No. 372,625; published Mar. 17, 1936.
Gas vent and flue pipe, Insulated. Payne Furnace & Supply Co. Inc. 335,187; May 26; Serial No. 368,427; published Mar. 17, 1936.
Registers, Side-wall warm-air. Rock Island Register Company. 112,557; renewed Sept. 12, 1936.
Stoves and ranges, Coal. Moore Corporation. 335,127; May 26; Serial No. 353,939; published Sept. 3, 1935.
Torches, gas mantles, oil stoves and ranges, etc. Hibbard, Spencer, Bartlett & Company. 335,221; May 26; Serial No. 372,834; published Mar. 17, 1936.

CLASS 35

Belting, rubber Hose, and rubber packing, Rubber. Geo. B. Carpenter & Company. 112,848; renewed Oct. 3, 1936.

CLASS 36

Phonograph needles. Permo Products Corporation. 335,177; May 26; Serial No. 373,264; published Mar. 17, 1936.

CLASS 37

Labels, Grease-proof. Tompkins' Label Service. 335,250; May 26.
Packaging material. Waldorf Paper Products Company. 335,185; May 26; Serial No. 369,287; published Mar. 10, 1936.
Paper, Bond and ledger. Neenah Paper Company. 112,536; renewed Sept. 12, 1936.
Paper, Bond and ledger. Neenah Paper Company. 112,541–2; renewed Sept. 12, 1936.
Paper napkins. Menasha Products Company. 335,219; May 26; Serial No. 372,784; published Mar. 17, 1936.
Paper, Printing. Bulkley, Dunton & Co. 335,227; May 26; Serial No. 373,910; published Mar. 10, 1936.
Paper, Semi-transparent wrapping. Menasha Products Company. 335,198; May 26; Serial No. 366,017; published Mar. 17, 1936.
Paper, Toilet. United States Envelope Company. 335,263; May 26.
Pencils, Lead. Joseph Dixon Crucible Company. 335,130; May 26; Serial No. 373,203; published Mar. 10, 1936.
Stationery. Eaton Paper Corporation. 335,123; May 26; Serial No. 357,332; published Mar. 17, 1936.
Stationery. Eaton Paper Corporation. 335,181; May 26; Serial No. 352,524; published Mar. 10, 1936.
Stationery and supplies. Burroughs Adding Machine Company. 335,153; May 26; Serial No. 370,757; published Mar. 17, 1936.
Stencils, and correction fluid, Duplicating. Pittsburgh Dry Stencil Company. 335,211; May 26; Serial No. 372,741; published Mar. 17, 1936.
Stencils and correction fluid, Duplicating. Pittsburgh Dry Stencil Company. 332,217; May 26; Serial No. 372,742; published Mar. 17, 1936.

CLASS 38

Cartoon, Newspaper. Hearst Enterprises, Incorporated. 335,110; May 26; Serial No. 373,031; published Mar. 10, 1936.
Magazine, Weekly. Brooklyn Daily Eagle. 335,161; May 26; Serial No. 373,518; published Mar. 10, 1936.
Periodical. Esquire, Inc. 335,141; May 26; Serial No. 371,968; published Mar. 10, 1936.
Periodical. James T. Igoe Publishers. 335,116; May 26; Serial No. 373,118; published Mar. 10, 1936.
Publications, Periodical. Delta Manufacturing Company. 335,756; May 26; Serial No. 370,092; published Mar. 10, 1936.

CLASS 39

Boots, shoes, and slippers. C. H. Daniels. 335,259; May 26.
Brassières, corsets, girdles, etc. Markin, Inc. 335,253; May 26.
Clothing. May Department Stores Company. 112,013; renewed August 15, 1936.
Coats, mackinaws, shirts, and overalls. Carter & Churchill Co. 111,561; renewed July 25, 1936.
Coats, suits, neckwear, etc., Women's. National Modes, Inc. 335,254; May 26.
Dresses, Ladies'. Carson Pirie Scott & Company. 335,239; May 26.
Footwear. Hurlbut Co. Limited. 112,284; renewed Aug. 29, 1936.
Footwear. Municipal Shoe Co. 335,252; May 26.
Gloves. C. E. Alvord. 335,265; May 26.
Gloves. Edward Goldman Co. Inc. 335,257; May 26.
Gloves. Heater Glove Corporation. 335,238; May 26.
Gloves, Fabric. Steinberger Bros. Glove Corp. 335,249; May 26.
Gloves, Fabric. Steinberger Bros. Glove Corp. 335,266; May 26.
Hats, Ladies'. S. Goldbaum. 335,242; May 26.
Hosiery, Infants'. L. H. Taylor. 109,585; renewed Apr. 11, 1936.
Rain-coats, outer suits, and sport-coats. Samuel W. Peck & Co. 109,542; renewed Apr. 11, 1936.

CLASS 42

Cotton and cotton and woolen piece goods. Avondale Mills. 335,264; May 26.
Handkerchiefs. S. E. Rains. 335,260; May 26.

CLASS 43

Yarns, Wool. James Lees & Sons Company. 335,140; May 26; Serial No. 373,692; published Mar. 10, 1936.

CLASS 44

Equipment for producing galvanic current for therapeutic uses. Burdick Corporation. 335,098; May 26; Serial No. 373,558; published Mar. 17, 1936.
Hair heating and drying apparatus. Acme Engineers, Inc. 335,157; May 26; Serial No. 369,839; published Mar. 17, 1936.
Permanent waving devices, hair waving pads, etc., Electrical. Nestle-Le Mur Company. 335,147; May 26; Serial No. 371,392; published Mar. 17, 1936.

CLASS 45

Beverage, sirup, and extract for making the same. C. E. Trees & Co. 335,155; May 26; Serial No. 370,368; published Mar. 17, 1936.
Beverages and seltzer, Maltless. Miller Becker Co. 335,203; May 26; Serial No. 374,527; published Mar. 17, 1936.
Beverages, Maltless. General Beverage Company. 335,209; May 26; Serial No. 372,648; published Mar. 17, 1936.

CLASS 46

Bacon, brains and gravy, butter, etc. John Morrell & Co. 335,117; May 26; Serial No. 360,645; published Mar. 17, 1936.
Bread, Loaves of. B. F. Musil. 335,151; May 26; Serial No. 370,959; published Mar. 17, 1936.
Butter. John F. Jelke Company. 110,376; renewed May 16, 1936.
Candy. C. B. Carlson. 335,222; May 26; Serial No. 372,902; published Mar. 17, 1936.
Candy bars. H. N. Bartman. 335,084; May 26; Serial No. 372,037; published Mar. 17, 1936.
Canned peas. McMillan Bros. 335,231; May 26; Serial No. 374,011; published Mar. 17, 1936.
Eggs. Plankinton Packing Company. 111,968; renewed Aug. 15, 1936.
Feed, Cotton-seed. Buckeye Cotton Oil Company. 110,068; renewed May 2, 1936.
Flour. Franklin Mills Co. 112,269; renewed Aug. 29, 1936.
Flour, Wheat. Mansfield Milling Co. 111,255; renewed July 4, 1936.
Flour, Wheat. Monarch Milling Co. 109,615–16; renewed Apr. 11, 1936.
Food in powdered or granulated form, High calcium. Milk Minerals Co. Inc. 335,220; May 26; Serial No. 372,787; published Mar. 17, 1936.
Fruits, Fresh citrus. Blanton Citrus Growers, Inc. 335,184; May 26; Serial No. 325,510; published June 7, 1932.
Lard. John F. Jelke Company. 111,459; renewed July 18, 1936.
Lard, smoked hams, bacon, etc. Ogden Packing & Provision Co. 112,923; renewed Oct. 3, 1936.
Macaroni, spaghetti, elbows, etc. A. Goodman & Sons, Inc. 109,830; renewed Apr. 18, 1936.
Oleomargarin. Geo. P. Braun Company. 109,639; renewed Apr. 11, 1936.
Oleomargarin. Geo. P. Braun Company. 110,035–7; renewed May 2, 1936.
Oleomargarin. John F. Jelke Company. 110,047–50; renewed May 2, 1936.
Oleomargarin. John F. Jelke Company. 110,175; renewed May 9, 1936.
Peanut-brittle glacé mixture and glacé peanuts. E. F. Kemp. 111,367; renewed July 11, 1936.
Salt. Ohio Salt Company. 112,799–801; renewed Sept. 26, 1936.

Sugar, maple-syrup, and maple candies, Maple. A. Brown. 111,997; renewed Oct. 10, 1936.
Vegetables, Fresh. E. C. McLean, Inc. 335,225; May 26; Serial No. 373,881; published Mar. 17, 1936.

CLASS 47

Wine. G. B. Jara. 335,154; May 26; Serial No. 370,516; published Mar. 17, 1936.
Wine, Sherry. Fortnum & Mason Limited. 335,212; May 26; Serial No. 358,013; published Mar. 17, 1936.
Wines. Societe Hellenique de Vins et Spiritueux, S. A. 335,120; May 26; Serial No. 363,991; published Mar. 17, 1936.
Wines. Tillier-Thompson, Inc. 335,182; May 26; Serial No. 347,998; published Mar. 17, 1936.

CLASS 48

Beer. Maier Brewing Co. 335,258; May 26.
Malt beverages. Lieber Brewing Corporation. 335,243; May 26.

CLASS 49

Cognac. Societe des Proprietaires Vinicoles de Cognac, J. G. Monnet & Cie, Societe Anonyme. 335,168; May 26; Serial No. 373,397; published Mar. 17, 1936.
Cognac. Societe des Proprietaires Vinicoles de Cognac, J. G. Monnet & Cie, Societe Anonyme. 335,170; May 26; Serial No. 373,396; published Mar. 17, 1936.
Whiskey, gin, rum, etc. Continental Distilling Corporation. 335,137; May 26; Serial No. 373,820; published Mar. 17, 1936.
Whiskies. Kraus Bros. & Co. Inc. 335,240; May 26.

CLASS 50

Blackboards and crayons, White. Penn Art Crayon Co. 335,150; May 26; Serial No. 371,039; published Mar. 10, 1936.
Cloth material for shoe stiffeners and the like, Impregnated. Celluloid Corporation. 335,102–3; May 26; Serial Nos. 373,671–2; published Mar. 17, 1936.
Display device. Poster Products, Inc. 335,197; May 26; Serial No. 366,293; published Mar. 10, 1936.

LIST OF LABELS

Haller's Family Special Bread. For Bread. Haller Baking Company. 47,491; May 26.

HauDigest. For Antacid Powder. G. Haumann. 47,492; May 26.

LIST OF PRINTS

All Wool Full Suit or Topcoat made to Order. For Suits and Topcoats. Scotch Woolen Mills. 15,709; May 26.
Can Your Child Live on Her Income? For Wheat Breakfast Food. Cream of Wheat Corporation. 15,708; May 26.

Efficiency Boiler Treatment. For a Scientifically Prepared Chemical used as a Boiler Compound and Rust Eradicator. Superior Chemical Works, Inc. 15,710; May 26.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 26th DAY OF MAY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abendroth, Wilhelm, Berlin-Charlottenburg, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Steam generator. 19,977; May 26.
Allen, Scott E., Glen Ridge, N. J., and J. E. Rennert, Springfield, N. J., assignors to C-O-Two Fire Equipment Company, Newark, N. J. Discharge head for fluid containers. 19,976; May 26.
American Laundry Machinery Company, The. (See Silver, Harold F., assignor.)
Bager, William M., Fox Point, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Excavating dipper. 19,979; May 26.
Bucyrus-Erie Company. (See Bager, William M., assignor.)
C-O-Two Fire Equipment Company. (See Allen, S. E., and Rennert, assignors.)
Cincinnati Milling Machine Company, The. (See Sassen, Bernard, assignor.)
Fox, Gordon, and A. J. Whitcomb, assignor to Freyn Engineering Company, Chicago, Ill. Tuyère. 19,980; May 26.
Freyn Engineering Company. (See Fox, G., and Whitcomb, assignors.)
Goetz, Harry, deceased, by Yale Slot & Slug Company, Chicago, Ill., assignee. Slot and slug for check controlled apparatus. 19,981; May 26.
Moore, Lee C., Tulsa, Okla. Oil field derrick post. 19,982; May 26.
Olds, Howard A. (See Wells, I. M., and Olds.)
Rado, Leopold, Berlin, Germany. Corner holder for pictures or the like. 19,983; May 26.
Rennert, John E. (See Allen, S. E., and Rennert.)
Rosenberg, May, West Hartford, Conn. Treating tobacco. 19,984; May 26.
Sassen, Bernard, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Pattern controlled die-sinking machine. 19,985; May 26.
Siemens-Schuckertwerke Aktiengesellschaft. (See Abendroth, Wilhelm, assignor.)
Silver, Harold F., Salt Lake City, Utah, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Dry cleaning apparatus. 19,986; May 26.
Swesey, William F., Cleveland, Ohio, assignor to Westinghouse Electric & Manufacturing Company. Refrigerating apparatus. 19,988; May 26.
Swift, George W., Jr., assignor to George W. Swift, Jr., Inc., Bordentown, N. J. Variable speed cutting mechanism. 19,989; May 26.
Swift, George W., Jr., Inc. (See Swift, George W., Jr., assignor.)
Tucker, Lawrence H., Hapeville, Ga. Combined vehicle signal. 19,990; May 26.
Wells, Ira M., Oakland, and H. A. Olds, San Francisco, Calif. Road working machine. 19,987; May 26.
Westinghouse Electric & Manufacturing Company. (See Swesey, William F., assignor.)
Whitcomb, Arthur J. (See Fox, G., and Whitcomb.)
Yale Slot & Slug Company. (See Goetz, Harry, assignor.)

LIST OF DESIGN PATENTEES

Aibel, Samuel H., Brooklyn, N. Y. Knitted pile fabric. 99,769; May 26.
Aibel, Samuel H., Brooklyn, N. Y. Knitted pile fabric. 99,770; May 26.
Aibel, Samuel H., Brooklyn, N. Y. Knitted pile fabric. 99,771; May 26.
Aibel, Samuel H., Brooklyn, N. Y. Knitted pile fabric. 99,772; May 26.
Allen, Grosvenor N., and L. E. Ressegger, Oneida, and W. H. Gerth, New York, N. Y., assignors to Oneida Community, Limited, Oneida, N. Y. Spoon or similar article. 99,773; May 26.
Ansonia De Luxe Shops, Inc. (See Faleck, Frank, assignor.)
B and B Shoe Company. (See Golden, Louis J., assignor.)
Bausch & Lomb Optical Company. (See Bouchard, Samuel E., assignor.)
Birren, Faber, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Bowling alley settee. 99,774; May 26.
Bouchard, Samuel E., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Lens strap. 99,775; May 26.
Briggs Manufacturing Company. (See Hobbs, Theodore C., assignor.)
Brunswick-Balke-Collender Company, The. (See Birren, Faber, assignor.)
Cahn, Oscar J., New York, N. Y. Textile fabric. 99,776; May 26.
Carr-Lowrey Glass Co. (See McLaughlin, Frank, assignor.)
Cleverly, William, West New York, N. J. Textile fabric or similar article. 99,777; May 26.
Cohen, Harry, assignor to The Perfection Steel Body Company, Galion, Ohio. Burial vault. 99,778; May 26.
Cohn, Philip, New York, N. Y. Crystal or similar article. 99,779; May 26.
Colonial Shoe Makers Inc. (See Shapiro, Herbert, assignor.)
Deigert, Robert C., Toledo, assignor to Utility Gas Appliance Corporation, Columbus, Ohio. Radiant heater. 99,780; May 26.
Deigert, Robert C., Toledo, assignor to Utility Gas Appliance Corporation, Columbus, Ohio. Radiant heater. 99,781; May 26.
Deigert, Robert C., Toledo, assignor to Utility Gas Appliance Corporation, Columbus, Ohio. Radiant heater. 99,782; May 26.
Dover Manufacturing Co., The. (See Huffman, Russell L., assignor.)
Duryea, Robert F., Palo Alto, Calif. Flower holder or similar article. 99,783; May 26.
Faleck, Frank, assignor to Ansonia De Luxe Shops, Inc., New York, N. Y. Shoe. 99,784; May 26.
Feifer, Harry, Passaic, N. J. Slipper. 99,785; May 26.
Galter, Jack, Chicago, Ill. Lighter. 99,786; May 26.
Gerth, William H. (See Allen, G. N., Ressegger, and Gerth.)
Gilbert, Charles E., New York, N. Y. Electrical connecter body. 99,787; May 26.
Golden, Louis J., Highland Park, assignor to B and B Shoe Company, Chicago, Ill. Juvenile shoe. 99,788; May 26.
Goldstein, Sidney, New York, N. Y. Blouse. 99,789; May 26.
Goldstein, William, New York, N. Y. Shoe. 99,790; May 26.
Graubner, Herman G., New York, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Flashlight. 99,791; May 26.
Graubner, Herman G., New York, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Flashlight. 99,792; May 26.
Graubner, Herman G., New York, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Company. Flashlight. 99,793; May 26.
Graubner, Herman G., New York, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Flashlight. 99,794; May 26.
Grossman, Herman H., New York, N. Y. Shoe. 99,795; May 26.
Haglock, John G., Sterling, Ill. Rack for windshield cleaning compounds. 99,796; May 26.
Haines, John R., Medford, N. J. Directional signal casing. 99,797; May 26.
Heisey, A. H., & Company. (See Heisey, T. Clarence, assignor.)
Heisey, T. Clarence, assignor to A. H. Heisey & Company, Newark, Ohio. Glass vase or similar article of glassware. 99,798; May 26.
Heisey, T. Clarence, assignor to A. H. Heisey and Company, Newark, Ohio. Glass floral bowl or similar article. 99,799; May 26.
Hires, Charles E., Company, The. (See Hires, Charles E., Jr., assignor.)
Hires, Charles E., Jr., assignor to The Charles E. Hires Company, Philadelphia, Pa. Bottle. 99,839; May 26.
Hobbs, Theodore C., Birmingham, assignor to Briggs Manufacturing Company, Detroit, Mich. Water closet. 99,800; May 26.
Hoffmann, Wolfgang, Batavia, assignor to The Howell Company, St. Charles, Ill. Table. 99,801; May 26.

Hoffmann, Wolfgang, Batavia, assignor to The Howell Company, St. Charles, Ill. Swivel chair. 99,802; May 26.
Hoffman, Wolfgang, Batavia, assignor to The Howell Company, St. Charles, Ill. Chaise lounge frame. 99,803; May 26.
Hoffman, Wolfgang, Batavia, assignor to The Howell Company, St. Charles, Ill. Refreshment cart. 99,804; May 26.
Horn, Harry J., assignor to Motor Wheel Corporation, Lansing, Mich. Wheel. 99,805; May 26.
Howell Company, The. (See Hoffmann, Wolfgang, assignor.)
Huffman, Russell L., assignor to The Dover Manufacturing Co., Dover, Ohio. Sadiron or similar article. 99,806; May 26.
Huffman, Russell L., assignor to The Dover Manufacturing Co., Dover, Ohio. Sadiron shell. 99,807; May 26.
Hunter, John P., East Orange, N. J., assignor to Safeguard, Inc., New York, N. Y. Index plate for check writers. 99,808; May 26.
Hyatt, Alfred, New York, N. Y. Shoe. 99,809; May 26.
Jacob, Christian A., Jr., Scarsdale, N. Y. Piano. 99,810; May 26.
Jacob, Christian A., Jr., Scarsdale, N. Y. Piano. 99,811; May 26.
Jurie, Josephine, Providence, R. I., assignor to United States Rubber Products, Inc., New York, N. Y. Bathing cap. 99,812; May 26.
Langendorf, Stanley S., assignor to Langendorf United Bakeries, Inc., San Francisco, Calif. Bread toast. 99,813; May 26.
Langendorf United Bakeries, Inc. (See Langendorf, Stanley S., assignor.)
Laufman, Benjamin, Newark, N. J. Traveling bag. 99,814; May 26.
Leiterman, Julius, New York, N. Y. Coat. 99,815; May 26.
Levin, David. (See Meyer, E. M., and Levin.)
Link-Belt Company. (See Martin, John E., assignor.)
Madler, Roman, Belleville, N. J. Combined smoking set and ash receptacle. 99,816; May 26.
Martin, John E., La Grange, assignor to Link-Belt Company, Chicago, Ill. Stoker housing. 99,817; May 26.
Marx, Louis, New York, N. Y. Toy machine gun. 99,818; May 26.
McLaughlin, Frank, Chicago, Ill., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 99,819; May 26.
Meyer, Emanuel M., and D. Levin, New York, N. Y. Buckle. 99,820; May 26.
Meyer, Max C., Brooklyn, N. Y. Ring box or similar article. 99,821; May 26.
Motor Wheel Corporation. (See Horn, Harry J., assignor.)
Newhard, Chapin S., St. Louis, Mo. Stock quotation board. 99,822; May 26.
Oneida Community, Limited. (See Allen, G. N., Ressegger, and Gerth, assignors.)
Pennington, Thomas E., Belmont, Calif. Muddler. 99,825; May 26.
Perfection Steel Body Company, The. (See Cohen, Harry, assignor.)
Putman, Solomon, Newark, N. J. Buckle. 99,823; May 26.
Putman, Solomon, Newark, N. J. Buckle. 99,824; May 26.
Record, Theodore T., Santa Barbara, Calif. Service station restaurant. 99,826; May 26.
Ressegger, Lloyd E. (See Allen, G. N., Ressegger, and Gerth.)
Safeguard, Inc. (See Hunter, John P., assignor.)
Scaman, Samuel A., Berwyn, Ill. Dish. 99,827; May 26.
Schor, Joseph, San Francisco, and J. R. Skoverski, Oakland, Calif. Tube holding and dispensing device. 99,828; May 26.
Shapiro, Herbert, Newton, assignor to Colonial Shoe Makers Inc., Boston, Mass. Shoe. 99,829; May 26.
Shapiro, Herbert, Newton, assignor to Colonial Shoe Makers Inc., Boston, Mass. Shoe. 99,830; May 26.
Sharp, Fred C., St. Paul, Minn. Motorcycle side car body. 99,831; May 26.
Shultz, Rex M., Ventura, Calif. Scoop. 99,832; May 26.
Siemund, Herman, Chicago, Ill. Imitation Christmas tree. 99,833; May 26.
Skoverski, John R. (See Schor, J., and Skoverski.)
Troy, Seymour, New York, N. Y. Shoe or similar article. 99,834; May 26.
Tweedie, Charles, assignor to Tweedie Footwear Corporation, Jefferson City, Mo. Sandal. 99,835; May 26.
Tweedie Footwear Corporation. (See Tweedie, Charles, assignor.)
Union Carbide and Carbon Corporation. (See Graubner, Herman G., assignor.)
United States Rubber Products, Inc. (See Jurie, Josephine, assignor.)
Utility Gas Appliance Corporation. (See Deigert, Robert C., assignor.)
Utility Gas Appliance Corporation. (See Van Doren, Harold L., assignor.)
Van Doren, Harold L., Toledo, assignor to Utility Gas Appliance Corporation, Columbus, Ohio. Radiant heater. 99,836; May 26.
Wallace, R., & Sons Manufacturing Company. (See Warren, William S., assignor.)
Warren, William S., Meriden, assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn. Spoon or other article of flatware. 99,837; May 26.
White, Arthur H., Cherrydale, Va. Lamp shade. 99,768; May 26.
Wiggins, Richard B., Chicago, Ill. Vending machine slug or similar article. 99,838; May 26.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 26TH DAY OF MAY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

A and Z Chain Company. (See Johnson, Sylvester A., assignor.)
Abel, Walter T., West Cheshire, assignor to The Patent Button Company, Waterbury, Conn. Machine for making button backs and the like. 2,042,375; May 26.
Accumulator Aktiebolaget Leif Nobel. (See Hjelmblad, Karl W. J., assignor.)
Acker, John T. (See Wilson, J. R., Acker, and Hartman.)
Acme Steel Company. (See Bigelow, Loyal A., assignor.)
Acme Steel Company. (See Henderson, Clarence S., assignor.)
Acme Steel Company. (See MacChesney, Chester M., assignor.)
Acme Steel Company. (See Ott, John E., assignor.)
Adirondack Steel Foundries Corporation. (See Sherman, Clifton W., assignor.)
Adrian, Matthew B., assignor to Adrian X-Ray Shoe Fitter Company, Milwaukee, Wis. X-ray equipment for inspection. 2,041,682; May 26.
Adrian X-Ray Shoe Fitter Company. (See Adrian, Matthew B., assignor.)
Aerlet Air Conditioner Company. (See Riebel, F., Jr., and Child, assignors.)
Aikman, Burton S., Wilkinsburg, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Compressor unloader. 2,042,085; May 26.
Aktiebolaget Atlas Diesel. (See Thege, Edvin O. P., assignor.)
Aktiebolaget Separator-Nobel. (See Walch, Henri, assignor.)
Alfina-Immobilien-Finanzierungs- & Verwaltungs A. G. (See Korbuly, Károly, assignor.)
Allen, George W., and L. B., Boston, assignors to B. F. Sturtevant Company, Hyde Park, Mass. Vacuum cleaner. 2,042,328; May 26.
Allen, Lena B. (See Allen, George W., and L. B.)
Allievi, Joseph, West New York, and H. Cadorette, Cliffside, N. J. Spring tool. 2,042,287; May 26.
Allis-Chalmers Manufacturing Company. (See Dahlstraud, Hans P., assignor.)
Allis-Chalmers Manufacturing Company. (See Pfau, Arnold, assignor.)
Althouse, Arthur B., Manoa, Pa. Automobile control device. 2,042,202; May 26.
American Anode, Inc. (See Beal, Carl L., assignor.)
American Car and Foundry Company. (See Willoughby, Victor, assignor.)
American Chemical Paint Company. (See Mackenzie, Franklin H., assignor.)
American Enka Corporation. (See Moritz, A. J. L., and Schilthuis, assignors.)
American Feather Products Corporation. (See Buchman, Elias, assignor.)
American Laundry Machinery Company, The. (See Hanney, Angus F., assignor.)
American Laundry Machinery Company, The. (See Hetzer, Russell A., assignor.)
American Laundry Machinery Company, The. (See Vetorino, Frank, assignor.)
American Magnesium Metals Corporation. (See Schichtel, Georg, assignor.)
American-National Company, The. (See van Doren, H. L., and Rideout, assignors.)
American Smelting and Refining Company. (See Betterton, J. O., and Lindner, assignors.)
American Smelting and Refining Company. (See Betterton, J. O., and Phillips, assignors.)
American Smelting and Refining Company. (See Lindner, Karl A., assignor.)
American Telephone and Telegraph Company. (See Inglis, Alfred H., assignor.)
American Telephone and Telegraph Company. (See Plebanski, Jozef, assignor.)
American Telephone and Telegraph Company. (See Sandalls, George, Jr., assignor.)
American Voith Contact Co. (See Kugel, Fritz, assignor.)
American Voith Contact Company. (See Maurer, Albrecht, assignor.)
Ames, James G., Aurora, Ill. Heating apparatus. 2,041,683; May 26.
Anderson, Albert & J. M., Manufacturing Company. (See Sundberg, Carl E., assignor.)
Anderson, Victor A., Chicago, Ill. Window locking device. 2,041,684; May 26.
Andrews, William R. (See Bradley, David N., Jr., assignor.)
Ankenbruck, Leo S. (See Suhm, C. E., and Ankenbruck.)
Archea, Walter D., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Milling machine transmission and electric control therefor. 2,042,245; May 26.
Armstrong Cork Company. (See Brand, Norman A., assignor.)
Askania-Werke A. G. vormals Central Werkstatt Dessau und Carl Bamberg-Friedenau. (See Wünsch, G., and Humby, assignors.)
Askin, Joseph, assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Refrigerated beverage dispensing apparatus. 2,042,418; May 26.
Askin, Joseph, and J. D. Lear, assignors to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Oil return device for flooded evaporators. 2,042,419; May 26.
Askin, Joseph, assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y. Room cooler. 2,042,420; May 26.
Atkinson, Ralph W., Perth Amboy, and A. M. Hagen, Woodbridge, N. J., assignors to General Cable Corporation, New York, N. Y. Electrical installation. 2,042,421; May 26.
Atlas Floor Surfacing Machinery Corp. (See Okun, Nathaniel N., assignor.)
Aubert, Herménégilde, St. Adele, Quebec, Canada. Ski clamp. 2,042,086; May 26.
Automatic File & Index Company. (See Beeler, Donald A., assignor.)
Babcock & Wilcox Company, The. (See Norton, Charles L., assignor.)
Bach, Irving, and L. M. Lipowsky, Brooklyn, N. Y. Container for bakery products. 2,042,288; May 26.
Backer, Christian R., Ottawa, Ontario, Canada. Electric hot plate and making same. 2,042,203; May 26.
Backer, William, Schenectady, N. Y. Manufacture of coat hangers. 2,041,805; May 26.
Bailey, Ervin G., Easton, Pa., P. R. Cassidy, Short Hills, and R. M. Hardgrove, Westfield, N. J., assignors to Fuller Lehigh Company, New York, N. Y. Pulverizing mill. 2,042,204; May 26.
Bailey Meter Company. (See Barnes, Frederick A., assignor.)
Bailey, Thomas W., Royal, Iowa. Door. 2,042,246; May 26.
Bakelite Building Products Co. (See Harshberger, Norman P., assignor.)
Baker, Greeley. (See Engelman, J. J., Henchert, and Baker.)
Baldwin, Hornsby S., Perth Amboy, N. J. Air humidifier and cleaner. 2,042,289; May 26.
Balga, Louis, Bridgeport, Conn. Screw driver. 2,042,376; May 26.
Bamber, Arthur K., Brighton, England. Paving of tennis courts and the like. 2,042,377; May 26.
Bantam Ball Bearing Company, The. (See Herrmann, Karl L., assignor.)
Barge Electric Shoe Cement Press, Inc. (See Barge, George H., assignor.)
Barge, George H., Jamaica, N. Y., assignor to Barge Electric Shoe Cement Press, Inc. Shoe bottom attaching apparatus. 2,042,378; May 26.
Barkelew, Charles S., Los Angeles, Calif. Switch box. 2,041,685; May 26.
Barnes, Frederick A., Cleveland Heights, Ohio, assignor to Bailey Meter Company. Pressure-tight bearing. 2,042,166; May 26.
Barnes, John S., and P. R. Guirl, assignors to W. F. & John Barnes Company, Rockford, Ill. Metalworking apparatus. 2,042,379; May 26.
Barnes, W. F. & John, Company. (See Barnes, J. S., and Guirl, assignors.)
Barnhart, George E., Pasadena, Calif. Airplane construction. 2,041,688; May 26.
Barnhart, W. R., Jr. (See Ragan, Frederick H., assignor.)
Barrett, Herbert J. R., Laurelton, Long Island, N. Y. Wall construction. 2,042,290; May 26.
Bartol, George E., Jr., Wynnewood, Pa., assignor to C. Howard Hunt Pen Company, Camden, N. J. Cutter. 2,041,806; May 26.
Bateman, William H. (See Leach, R. W., and Bateman.)
Bates, Harry, assignor to Bates Laboratories, Inc., New York, N. Y. Typewriter. 2,041,736; May 26.
Bates Laboratories, Inc. (See Bates, Harry, assignor.)
Baumeister, Paul A., Flushing, and A. D. Saunders, Great Neck, assignors to The Arthur A. Johnson Corporation, Long Island City, N. Y. Dust remover for drills and the like. 2,041,689; May 26.

Baumeister, Paul A., Flushing, and A. D. Saunders, Great Neck, assignors to The Arthur A. Johnson Corporation, Long Island City, N. Y. Pneumatic drill. 2,041,690; May 26.

Bazeley, Arthur J., Shaker Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Uncoupling mechanism. 2,041,807; May 26.

Beal, Carl L., Cuyahoga Falls, assignor to American Anode, Inc., Akron, Ohio. Rubber article. 2,041,737; May 26.

Bearsley, Robert W. (See Michalski, Bruno, assignor.)

Beck, Charles W., assignor, by mesne assignments, to N. M. Beck, Toledo, Ohio. Steering wheel. 2,041,738; May 26.

Beck, Charles W., assignor, by mesne assignments, to N. M. Beck, Toledo, Ohio. Steering wheel. 2,041,739; May 26.

Beck, Nellie M. (See Beck, Charles W., assignor.)

Becklin, Herman O., assignor of forty-one one hundredths to W. J. Compton, twenty-eight one hundredths to G. W. Wells, and thirty-one one hundredths to T. H. Willett and L. C. Willett, Portland, Oreg. Holder for shopping bags. 2,041,691; May 26.

Beckman, Arnold O., Altadena, assignor, by mesne assignments, to National Technical Laborators, Pasadena, Calif. Inking device. 2,041,740; May 26.

Bedford, Reginald A., Sheffield, England. Drill shaft and bit adapted to be used with percussive drills. 2,042,088; May 26.

Beeler, Donald A., Winnetka, assignor to Automatic File & Index Company, Chicago, Ill. Filing device. 2,042,167; May 26.

Beban, Thomas W., assignor to Nineteen Hundred Corporation, Binghamton, N. Y. Wringer. 2,041,686; May 26.

Bell Telephone Laboratories, Incorporated. (See Dowd, Andrew D., assignor.)

Belle Telephone Laboratories, Incorporated. (See Melick, John M., assignor.)

Bell Telephone Laboratories, Incorporated. (See Ohl, Russell S., assignor.)

Belle Telephone Laboratories, Incorporated. (See Spencer, Thomas A., assignor.)

Bell Telephone Laboratories, Incorporated. (See Stoller, Hugh M., assignor.)

Bell Telephone Laboratories, Incorporated. (See Ulrich, Horace W., assignor.)

Bell Telephone Laboratories, Incorporated. (See Wheeler, Clyde H., assignor.)

Bell Telephone Laboratories, Incorporated. (See Wilson, J. R., Acker, and Hartman, assignors.)

Bemis, Arthur S., and M. S. May, St. Marys, Pa., assignors to Speer Carbon Company. Brush for dynamo-electric machines. 2,041,895; May 26.

Bendix Aviation Corporation. (See Warren, Kenneth W., assignor.)

Bendix Westinghouse Automotive Air Brake Company. (See Vorech, S., and Johnson, assignors.)

Benicia Fisheries. (See Wetmore, Paul S., assignor.)

Benner, Raymond C., G. J. Easter, and A. J. Thompson, assignors to The Carborundum Company, Niagara Falls, N. Y. Silicon carbide refractory. 2,041,808; May 26.

Bennett-Clark Co. (See Codler, Oscar, assignor.)

Bennett-Clark Co. (See Hoover, Charles O., assignor.)

Benson, Bernhart A., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Electric hair drier. 2,041,687; May 26.

Benson, Bernhart A., asignor to Chicago Electric Manufacturing Company, Chicago, Ill. Fan-heater. 2,041,897; May 26.

Berg, Herman. (See Van Deusen, D. E., and Berg.)

Bernhard, Benjamin S., Boston, Mass. Locking device. 2,041,809; May 26.

Berringer, William A., assignor of one-fourth to V. H. Lowmaster, Lewisberry, Pa. Radiator repair and test apparatus. 2,042,380; May 26.

Best, Sheridan J., assignor of three-fifteenths to T. T. Lewis, two-fifteenths to J. J. Eckford, and one-fifteenth to Paul T. McMahon, Dallas, Tex. Refrigerant condensing apparatus. 2,042,087; May 26.

Betterton, Jesse O., Metuchen and K. A. Lindner, Rahway, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Metallurgical apparatus. 2,041,810; May 26.

Betterton, Jesse O., Metuchen, and K. A. Lindner, Rahway, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Metallurgical apparatus. 2,041,811; May 26.

Betterton, Jesse O., and A. J. Phillips, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Refining copper alloys. 2,042,291; May 26.

Betterton, Jesse O., and A. J. Phillips, Metchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Refining copper alloys. 2,042,292; May 26.

Beyer, Peter G. G., Copenhagen, Denmark. Hand spooling apparatus. 2,042,381; May 26.

Bichowsky, Francis R., Washington, D. C., assignor, by mesne assignments, to General Motors Corporation. Absorbent for refrigerants. 2,041,741; May 26.

Bigelow, Loyal A., Evanston, assignor to Acme Steel Company, Chicago, Ill. Ready bound crate. 2,042,329; May 26.

Billker, Fredrick W., Milwaukee, Wis. Cutting machine. 2,041,742; May 26.

Biniek, Georg, Berlin-Charlottenburg, assignor to Telephon-Apparat-Fabrik E. Zwietusch & Co. G. m. b. H., Charlottenburg, Germany. Safety razor with rotary drive. 2,042,293; May 26.

Binkley, William E., Forreston, Ill. Hearse. 2,042,382; May 26.

Bird, Lloyd C., H. M. Rexrode and R. R. Chappell, assignors to Phipps & Bird, Inc., Richmond, Va. Proportional liquid feed apparatus. 2,042,383; May 26.

Bird, Lloyd C., H. M. Rexrode and R. B. Chappell, assignors to Phipps & Bird, Inc., Richmond, Va. Constant temperature refrigerator. 2,042,384; May 26.

Blake, George R., and G. W. Seymour, Cumberland, Md., assignors to Celanese Corporation of America. Textile process and product. 2,041,692; May 26.

Blasing, Erich. (See Matuschke, W., and Blasing.)

Blaw-Knox Company. (See McCrary, Harold E., assignor.)

Blood, Harold L., assignor to The Heald Machine Company, Worcester, Mass. Size controlling mechanism for boring machines and the like. 2,041,898; May 26.

Blood, Louis H., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Machine tool. 2,042,247; May 26.

Bloom, Otto I. (See Friedman, S. I. S., and Bloom.)

Bloss, Richard R., assignor to International-Stacey Corporation, Columbus, Ohio. Walking beam for well pumping and drilling mechanism. 2,042,294; May 26.

Bol, Cornelis, Eindhoven, Netherlands, assignor to General Electric Company. Gaseous electric discharge lamp device. 2,042,138; May 26.

Bol, Cornelis, and H. A. W. Klinkhamer, Eindhoven, Netherlands, assignors to General Electric Company. Gaseous electric discharge lamp device. 2,042,139; May 26.

Bolam, Robert F., Tampa, Fla. Rail joint. 2,042,089; May 26.

Boltz, Fred S., Mansfield, and G. W. Estey, Taunton, Mass. Arch corrector for the feet. 2,041,693; May 26.

Boring, Robert L., Lexington, Ky. Flashlight attachment for gasoline hose nozzles. 2,042,385; May 26.

Borsheim, Hans T. (See Hanson, Louis O., assignor.)

Borzykowski, Benno, Paris, France. Apparatus for the transportation and working off of spun cakes produced by the centrifuge spinning process. 2,041,989; May 26.

Bosch, Robert, Aktiengesellschaft. (See Hurst, Max, assignor.)

Bouget, Yves A., West Orange, and D. V. Waters, South Orange, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Apparatus for handling strands. 2,041,812; May 26.

Bradley, David N., Jr., Joliet, assignor of one-half to W. R. Andrews, Chicago, Ill. Investing patterns for dental pieces. 2,042,330; May 26.

Brand, Norman A., assignor to Armstrong Cork Company, Lancaster, Pa. Cove construction for use with floor or wall coverings and the like. 2,041,899; May 26.

Brennan, Edward A., and W. Hull, Savannah, Ga. Lubricant containing pseudopimaric acid and the preparation thereof. 2,042,035; May 26.

Breth, Walter J., and M. L. Engler, assignors to The General Tire & Rubber Company, Akron, Ohio. Tire building machine. 2,041,990; May 26.

Bristow, Francis G., Sydney, New South Wales, Australia. Adapter plate for applying pressure to forks for shearing machines. 2,042,295; May 26.

Britton, Edgar C., and A. J. Dietzler, assignors to The Dow Chemical Company, Midland, Mich. 5-tertiary-butyl-1-mercapto-benzo-thiazole and making same. 2,042,205; May 26.

Brooks, William H., and F. M. Taylor, Birmingham, Ala. Aging lime putty. 2,041,813; May 26.

Brous, Samuel L., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Making vinyl chloride. 2,041,814; May 26.

Brown, Arlie M., Knoxville, Tenn. Heating system. 2,041,815; May 26.

Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Shedding mechanism for looms. 2,042,422; May 26.

Brown Company. (See Richter, George A., assignor.)

Brown Company. (See Schur, Milton O., assignor.)

Brown, Henry A., assignor of one-fourth to S. E. Kennedy, Fort Worth, Tex. Lubricating device. 2,042,206; May 26.

Brown, John L., Verona, and W. R. Harding, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Spot welder. 2,042,207; May 26.

Browne, Theodore C., Hinsdale, Ill. Printing plate matrix. 2,041,743; May 26.

Buc, Hyym E., Roselle, N. J., assignor to Standard Oil Development Company. Insecticide. 2,042,296; May 26.

Buchman, Elias, assignor to American Feather Products Corporation, Chicago, Ill. Scarf. 2,042,442; May 26.

Buckley, Edmond C., Langley Field, Va. Sampling valve. 2,041,694; May 26.

Buckley, Joseph, Methuen, Mass. Steam generator. 2,042,036; May 26.

Buckstone, Walter, London, England, assignor to Eastman Kodak Company, Rochester, N. Y. Adjustable supporting pillar or the like. 2,042,443; May 26.

Budd, Edward G., Manufacturing Co. (See Hovey, Otis W., assignor.)

Budd Wheel Company. (See Eksergian, Carolus L., assignor.)

Bünger, Albert, Berlin-Pankow, Germany, assignor to General Electric Company. Electric gaseous discharge device. 2,042,140; May 26.

Bunting Brass and Bronze Company, The. (See Yager, G. F., and Heath, assignors.)

Burgess, C. F., Laboratories, Inc. (See Jack, William A., 3d, assignor.)

Burgess Titanium Company. (See Svendsen, Svend S., assignor.)

Burgin, James. (See Groll, H. P. A., and Burgin.)

Burnham, Stanley W. (See Gleason, F. J., and Burnham.)

Burt Machine Company. (See Wild, Charles H., assignor.)

Bush, Rankin J. (See Lynn, E. K., and Bush.)

Butts, Guy M. (See Mohler, James V., assignor.)

Byrnes, Clarence P., trustee. (See James, Joseph H., assignor.)

Cadorette, Henry. (See Allievi, J., and Cadorette.)

Calabrese, Frank, Brooklyn, N. Y. Shoe shaper. 2,041,991; May 26.

Callahan, James P. (See Woodward, Emmett E., assignor.)

Calvert, John F., Irwin, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Dynamo-electric machine. 2,042,208; May 26.

Cambiasso, Anibal A., Buenos Aires, Argentina. Automatic buttering machine for bread. 2,042,386; May 26.

Camerota, Louis A., Burlington, assignor to Florence Pipe Foundry & Machine Company, Florence, N. J. Tilting ladle. 2,042,037; May 26.

Campbell-Buchanan Corporation. (See Campbell, Leon J., assignor.)

Campbell, Given, St. Louis, Mo. Air conditioning apparatus. 2,042,141; May 26.

Campbell, Given, St. Louis, Mo. Air conditioning apparatus. 2,042,142; May 26.

Campbell, Leon J., Buchanan, Mich., assignor to Campbell-Buchanan Corporation, Chicago, Ill. Synchronizing clutch. 2,042,168; May 26.

Carborundum Company, The. (See Benner, R. C., Easter and Thompson, assignors.)

Carey, Philip, Manufacturing Company, The. (See Greider, Harold W., assignor.)

Carle, William T., assignor to R. G. Fulcher, Chicago, Ill. Starter mechanism. 2,041,900; May 26.

Carpenter, Arthur, New York, and E. Ross, Richmond Hill, assignors to United Research Corporation, Long Island City, N. Y. Light sensitive cell. 2,041,816; May 26.

Carr, George W., North Shields, England. Ship's davit. 2,041,817; May 26.

Carstens, Carl E., D. Dyrenforth, and A. D. Marriott, Jr., Denver, Colo., assignors to The Dorr Company, Inc., New York, N. Y. Classifier. 2,042,444; May 26.

Carswell, Thomas S., Kirkwood, assignor to Monsanto Chemical Company, St. Louis, Mo. Separation of meta cresol from meta cresol-para cresol mixture. 2,042,331; May 26.

Carswell, Thomas S., Kirkwood, assignor to Monsanto Chemical Company, St. Louis, Mo. Separation of cyclic alcohols from their ketones. 2,042,332; May 26.

Cassidy, Perry R. (See Bailey, E. G., Cassidy, and Hardgrove.)

Cavanagh, James, Cohasset, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of soles. 2,041,901; May 26.

Cavins, Paul. (See Melo, August A., assignor.)

Celanese Corporation. (See Taylor, William I., assignor.)

Celanese Corporation of America. (See Blake, G. R., and Seymour, assignors.)

Celanese Corporation of America. (See Schneider, George, assignor.)

Celanese Corporation of America. (See Seymour, George W., assignor.)

Certain-Teed Products Corporation. (See Codwise, Philip W., assignor.)

Chamberlain, Alfred J. (See Shore, Roscoe W., assignor.)

Chappell, Ralph R. (See Bird, L. C., Rexrode, and Chappell.)

Chard, John W. (See Parker, Herschel C., assignor.)

Charles, Hubert N., assignor to The M. G. Car Company Limited, Abington-on-Thames, England. Rear supporting and driving means for motor vehicles. 2,041,992; May 26.

Charter Drive, Inc. (See Charter, J. A., and Spacie, assignors.)

Charter, James A., and T. Spacie, assignors to Charter Drive, Inc., Chicago, Ill. Engine starter. 2,042,248; May 26.

Chatham Manufacturing Company, The. (See Jecusco, Frederick P., assignor.)

Cheney, Horace, and L. J. Davies, Rugby England, assignors to General Electric Company. Envelope for electric discharge devices. 2,042,143; May 26.

Chew, William L., Rockville Centre, N. Y. Mop wringer. 2,042,209; May 26.

Chicago Electric Manufacturing Company. (See Benson, Bernhart A., assignor.)

Chicago Electric Manufacturing Company. (See Gough, James J., assignor.)

Child, Lachlan W. (See Riebel, F., Jr., and Child.)

Cincinnati Grinders Incorporated. (See Harrison, R. E. W., and Hopkins, assignors.)

Cincinnati Milling Machine Co., The. (See Archea, Walter D., assignor.)

Cincinnati Milling Machine Co., The. (See Blood, Louis H., assignor.)

Cincinnati Milling Machine Company, The. (See Isler, Herman R., assignor.)

Cincinnati Time Recorder Company, The. (See Lensky, G. A., and Streckfuss, assignors.)

Clark, Edward B. (See Clark, James F., and E. B.)

Clark, James F., and E. B. Clark, Toronto, Ontario, Canada. Shoe form. 2,041,695; May 26.

Clay, Noble S., Wilkinsburg, Pa., assignor to Westinghouse Electric and Manufacturing Company. Composition tray. 2,042,210; May 26.

Cleveland Brass Manufacturing Company, The. (See Roach, Nathan, assignor.)

Cline, Clyde D. (See Cline, Harold A., assignor.)

Cline, Harold A., Dayton, Ohio, assignor of fifty per cent to C. D. Cline, Chicago, Ill. Luminescent sign. 2,042,144; May 26.

Closure Service Company, The. (See Kohrer, Alfred, assignor.)

Closure Service Company, The. (See Skutch, William G., assignor.)

Coal Products Company of Delaware. (See Vandegrift, James N., assignor.)

Coal Products Company of Delaware. (See Vandegrift, J. N., and Postel and Linn, assignors.)

Cobb, David F., Boston, Mass. Carrying case. 2,042,387; May 26.

Codler, Oscar, Houston, assignor, by mesne assignments, to Bennett-Clark Co., Inc., San Antonio, Tex. Sweetening sour petroleum oil and the revivification of the sweetening agent. 2,042,056; May 26.

Codwise, Philip W., Kenmore, assignor to Certain-Teed Products Corporation, New York, N. Y. Insulating board. 2,041,696; May 26.

Coe, Mayne R., Washington, D. C. Preservation of rubber. 2,042,333; May 26.

Coffey, Samuel, Crossland Moor, Huddersfield, M. Lapworth, Stockport, and W. A. Sexton, Gledholt, Huddersfield, England, assignors to Imperial Chemical Industries Limited. Azo dyes and their preparation. 2,041,697; May 26.

Coffey, Samuel, Huddersfield, and W. A. Sexton, Manchester, England, assignors to Imperial Chemical Industries Limited. Azo dyes and their preparation. 2,041,698; May 26.

Cogito, Joseph, and W. Ingrassia, Washington, D. C. Material handling machine. 2,042,388; May 26.

Cole, Fred H., Oak Park, assignor to The Delta-Star Electric Company, Chicago, Ill. Switch operating mechanism. 2,041,902; May 26.

Cole, Fred H., Glendale, Calif., assignor to The Delta-Star Electric Company, Chicago, Ill. Switch operating mechanism. 2,041,903; May 26.

Collins & Aikman Corporation. (See Hiers, Glen S., assignor.)

Colmar, Robert L., Port Neches, Tex., assignor to The Texas Company, New York, N. Y. Plastic composition. 2,042,038; May 26.

Colonial Broach Company. (See Halborg, Carl J., assignor.)

Communication Patents, Inc. (See Nicolson, Alexander McL., assignor.)

Compitello, Eugene, Clyde, N. Y. Cross tie raiser for railroads. 2,042,389; May 26.

Compton, Wylie J., et al. (See Becklin, Herman O., assignor.)

Cone, James H., Roseland, assignor to National Union Radio Corporation, Newark, N. J. Grid construction. 2,041,904; May 26.

Connelly, George F., San Francisco, Calif. Machine for removing tire treads. 2,041,818; May 26.

Constantine, Allan, Warsaw, N. Y. Counter. 2,042,249; May 26.

Continental Can Company. (See Engelman, J. J., Henchert, and Baker, assignors.)

Continental Optical Company. (See Soden, Fred H., assignor.)

Continental Optical Company. (See Taylor, Dudley F., assignor.)

Cook, Willard G., Forest Hills, asignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Motor control system. 2,042,169; May 26.

Cooper, Herman, assignor to Cooper Tea Packet Company, Brooklyn, N. Y. Package of tea-bags and the like. 2,042,039; May 26.

Cooper, Morris, New York, N. Y. Legging. 2,041,819; May 26.

Cooper Tea Packet Company. (See Cooper, Herman, assignor.)

Cossette, Antoine, et al. (See Suhm, C. E., and Ankenbruck, assignors.)

Cousins, Albert E., Hibbing, Minn. Lettering guide. 2,041,993; May 26.

Craighead, Bedia L., assignor of one-half to N. W. Jackson, San Antonio, Tex. Door stop and holder. 2,042,297; May 26.
Crane Packing Company. (See Howland, E. G., and Payne, assignors.)
Crary, Palmer H., assignor of one-third to C. A. Fascell, Coconut Grove, Fla. Brake. 2,042,390; May 26.
Crawford, John W. C., Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited. Production of esters. 2,041,820; May 26.
Crist, Walter J., and C. W. Hess, Middletown, N. Y. Flush valve. 2,042,391; May 26.
Crow, Patrick H. (See Hoover, Walter S., assignor.)
Crowe, John M., Covington, Ky. Impact implement. 2,041,905; May 26.
Cummins, Arthur B., Plainfield, N. J., assignor to Johns-Manville Corporated, New York, N. Y. Pulverulent cleaning composition. 2,041,744; May 26.
Cummins, Thomas K., assignor to Northern Malleable Iron Company, St. Paul, Minn. Cable clamp. 2,042,090; May 26.
Cunningham, Lewis L., South Minneapolis, assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Strain release. 2,041,821; May 26.
Curtis, Alfred F. (See Wise, Harry E., assignor.)
Czarnecki, Walter, assignor to Eddington Metal Specialty Co., Eddington, Pa. Valve. 2,041,906; May 26.
Dahlstrand, Hans P., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Steam turbine casing and manufacturing the same. 2,041,699; May 26.
Danielsen, Hans P., and J. J. Kiefer, assignors to Hartmann Trunk Company, Racine, Wis. Protective covering for luggage carriers. 2,042,211; May 26.
Darrah, William A., Chicago, Ill. Evaporating and equipment therefor. 2,042,145; May 26.
Davies, Leonard J. (See Cheney, H., and Davies.)
Davis, Garland H. B., Baton Rouge, La., assignor to Standard-I. G. Company. Process for the purification and desulphurization of low boiling distillates. 2,042,298; May 26.
Davis, Hiotte A., Lynchburg, Va., assignor to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 2,041,700; May 26.
Deakin, William, Brooklyn, assignor to Julius Kayser & Co., New York, N. Y. Milanese warp knitting machine. 2,042,146; May 26.
Deanesly, Richard M., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Production of tertiary alcohols and products thereof. 2,042,212; May 26.
De Jong, Henry W. (See Groll, H. P. A., and de Jong.)
De Laval Separator Company, The. (See Forsberg, Erik A., assignor.)
Delta Drilling Company et al. (See Kliewer, Edward A., assignor.)
Delta-Star Electric Company, The. (See Cole, Fred H., assignor.)
Detroit Lubricator Company. (See Eggleston, Lewis W., assignor.)
Detroit Lubricator Company. (See Jones, Ray E., assignor.)
Dettwyler, William, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of dyestuffs of the anthraquinone series. 2,042,423; May 26.
Dewandre, Albert, Brussels, assignor to Societe Anonyme Du Servo Frein Dewandre, Liege, Belgium. Braking of vehicles. 2,042,392; May 26.
Dietzler, Andrew J. (See Britton, E. C., and Dietzler.)
Ditto Incorporated. (See McCain, C. C., and Marchev, assignors.)
Doherty Research Company. (See Levitt, Percy B., assignor.)
Dorn, R. J., Co. (See Schroder, F. W., and Willis, assignors.)
Dorr Company, The. (See Carstens, C. E., Dyrenforth, and Marriott, assignors.)
Dosne, Henry, Mulhouse, France. Colored cellulose material. 2,041,907; May 26.
Dosne, Henry, Mulhouse, France. Colored cellulose material. 2,042,393; May 26.
Douglas, Fredric E. (See Stimpson, W. I., and Douglas.)
Dow Chemical Company, The. (See Britton, E. C., and Dietzler, assignors.)
Dowd, Andrew D., Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electrooptical system. 2,041,822; May 26.
Draper Corporation. (See Brown, Carl D., assignor.)
Draper Corporation. (See Northrop, Jonas, assignor.)
Draper Corporation. (See Stimpson, W. I., and Douglas, assignors.)
Dreyfus, Henry, London, England. Manufacture of cellulosic products from wood, straw, grass, and the like. 2,041,745; May 26.
Dreyfus, Henry, London, England. Manufacture of aliphatic anhydrides. 2,041,746; May 26.
Dreyfus, Henry, London, England. Manufacture of aliphatic anhydrides. 2,041,747; May 26.
Drummey, William W., Boston, Mass. Combination desk and seat. 2,041,908; May 26.
Ducey, Roger H., Belmont, Mass., assignor to J. D. Knight, Reading, Mass. Universal tool for gauging and measuring. 2,042,213; May 26.
Dumont, Frank L., Upper Montclair, N. J. Stoking grate. 2,042,170; May 26.
Du Pont, E. I., de Nemours & Company. (See Dettwyler, William, assignor.)
Du Pont, E. I., de Nemours & Company. (See Eatough, Harry, assignor.)
Du Pont, E. I., de Nemours & Company. (See Hunt, James K., assignor.)
Du Pont, E. I., de Nemours & Company. (See Izard, Emmette F., assignor.)
Du Pont, E. I., de Nemours & Company. (See Lazier, W. A., and Vaughen, assignors.)
Du Pont, E. I., de Nemours & Company. (See Neal, Arthur M., assignor.)
Du Pont, E. I., de Nemours & Company. (See Pyle, C., 3d., and Van Ness, assignors.)
Du Pont, E. I., de Nemours & Company. (See Sobatzki, R. J., and Kinahan, assignors.)
Du Pont, E. I., de Nemours & Company. (See Werntz, James H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Wuertz, Alexander J., assignor.)
Durand, Nelson C., East Orange, and H. F. M. Gramann, Orange, assignors to Thomas A. Edison, Incorporated, West Orange, N. J. Phonograph. 2,042,171; May 26.
Dyrenforth, Donald. (See Carstens, C. E., Dyrenforth, and Marriott.)
Eagle, Arthur A., and A. A. Grosser, assignors of one-third to C. J. Kesselring, Rochester, N. Y. Coin controlled cabinet for books. 2,041,994; May 26.
Eagle Boys Suit Corporation. (See Rubin, Betty, assignor.)
Eames, William F. (See Williams, H. W., and Eames.)
Eames, William F., Edgewood, Pa., assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Signal and control system for elevators. 2,042,214; May 26.
Easter, George J. (See Benner, R. C., Easter, and Thompson.)
Eastman Kodak Company. (See Buckstone, Walter, assignor.)
Easton and Burnham Machine Company. (See Kelley, Francis E., assignor.)
Eatough, Harry, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Condensation products of high molecular weight polyhydric alcohols and making the same. 2,041,702; May 26.
Eckford, Joseph J., et al. (See Best, Sheridan J., assignor.)
Eckstein, Ludwig. (See Kaufmann, W., Eckstein, and Rosenberger.)
Eclipse Aviation Corporation. (See Nardone, Romeo M., assignor.)
Eddington Metal Specialty Co. (See Czarnecki, Walter, assignor.)
Edison, Thomas A., Incorporated. (See Durand, N. C., and Gramann, assignors.)
Edison, Thomas A., Incorporated. (See Edison, Thomas A., Jr., assignor.)
Edison, Thomas A., Incorporated. (See Huenlich, Charles, assignor.)
Edison, Thomas A., Jr., East Orange, assignor to Thomas A. Edison, Incorporated, West Orange, N. J. Electric toaster. 2,042,215; May 26.
Edlund, Karl R. (See Evans, T., and Edlund.)
Edwards and Company. (See Edwards, Roberts S., assignor.)
Edwards, Frank W., assignor to The Ohio Injector Company of Illinois, Chicago, Ill. Ball-check valve. 2,042,216; May 26.
Edwards, Robert S., New Rochelle, N. Y., assignor to Edwards and Company, Inc. Mounting for signaling devices and the like. 2,041,905; May 26.
Eggleston, Lewis W., assignor to Detroit Lubricator Company, Detroit, Mich. Heating system and control means therefor. 2,042,217; May 26.
Ehrmantrout, Pauline, Casper, Wyo. Mop. 2,041,823; May 26.
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Dual rim wheel. 2,041,996; May 26.
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Brake. 2,042,445; May 26.
Elfers, Paul A., assignor to Fisher Governor Company, Marshalltown, Iowa. Liquid level responsive device. 2,041,997; May 26.
Ellis, Carleton, Montclair, N. J., assignor to Standard Oil Development Company. Paper material carrying a resin of petroleum origin. 2,042,299; May 26.
Emmert, John R., Berwyn, and A. H. Schwades, Chicago, assignors to Emil J. Paidar Company, Chicago, Ill. Barber pole illumination. 2,041,909; May 26.
Empire Oil & Refining Company. (See Walker, John C., assignor.)
Engberg, Axel O., and A. Eriksson-Jons, Stockholm, Sweden, assignors to Inventia Patent-Verwertungs-Gesellschaft, Schaffhausen, Switzerland. Electric circuit controlling mechanism. 2,041,748; May 26.
Engelman, Joseph J., J. Henchert, and G. Baker, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y. Can body making machine. 2,042,250; May 26.
Engler, Max L. (See Breth, W. J., and Engler.)

Eppenstein, Otto, assignor to firm Carl Zeiss, Jena, Germany. Sight line horizon determining means. 2,042,040; May 26.
Ericson, Richard, assignor to Universal Insulation Company, Chicago, Ill. Heat and sound insulation. 2,041,910; May 26.
Ericson, Richard, assignor to Universal Insulation Company, Chicago, Ill. Heat insulation. 2,041,911; May 26.
Eriksson-Jons, Anders. (See Engberg, A. O., and Eriksson-Jons.)
Estes, Ed, assignor of one-half to B. James, Uvalde, Tex. Game. 2,042,424; May 26.
Estey, Guy W. (See Boltz, F. S., and Estey.)
Evans, Theodore, and K. R. Edlund, Berkeley, assignor to Shell Development Company, San Francisco, Cal. Recovery of organic acid esters. 2,042,218; May 26.
Ewart, Willard. (See Flint, Forrest F. T., assignor.)
Ewest, Hans, Berlin, and G. Gaidies, Berlin-Pankow, Germany, assignors to General Electric Company. Gaseous electric discharge device. 2,042,172; May 26.
Fabrice, Edward H., assignor to Guardian Safety Seal Company, Chicago, Ill. Closure cap for receptacles and making the same. 2,041,912; May 26.
Fair, R. W. (See Kliewer, Edward A., assignor.)
Fairbrother, Jack A. V., Rugby, England, assignor to General Electric Company. Electric discharge device. 2,042,147; May 26.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake apparatus. 2,042,091; May 26.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,042,092; May 26.
Fascell, Charles A. (See Crary, Palmer H., assignor.)
Fassler, Peter W., Detroit, Mich. Portable welding machine. 2,041,913; May 26.
Fedders Manufacturing Company. (See Askin, Joseph, assignor.)
Fedders Manufacturing Company. (See Askin, J., and Lear, assignors.)
Ferguson, John L., assignor to J. L. Ferguson Company, Joliet, Ill. Bottle packing method and means. 2,042,446; May 26.
Ferguson, J. L., Company. (See Ferguson, John L., assignor.)
Ferrin, Arthur M., Eden, Utah. Spring protector. 2,041,914; May 26.
Files, Adino F., Maumee, Ohio. Coloring material for food fats and oils. 2,042,173; May 26.
Finley, Oscar M., Waco, Tex. Automobile screen. 2,041,998; May 26.
Firestone Tire & Rubber Company, The. (See Lewis, Arthur P., assignor.)
Firestone Tire & Rubber Company, The. (See Smith, Clifford D., assignor.)
Firestone Tire & Rubber Company, The. (See Wilson, Robert F., assignor.)
Fischer, Carl, assignor of one-third to A. Vogel, and one-third to H. Zitterbaum, Brooklyn, N. Y. Grease gun rack. 2,041,749; May 26.
Fischer, H. G., & Co. (See Fischer, H. G., Musket, and Richardson, assignors.)
Fischer, Herman G., P. P. Musket, and D. E. Richardson, assignors to H. G. Fischer & Co., Inc., Chicago, Ill. Low voltage generator. 2,042,334; May 26.
Fisher, Anthony C. (See Whitescarver, Charles T., assignor.)
Fisher, Frank F., Detroit, Mich. Joining tubes to headers. 2,041,915; May 26.
Fisher Governor Company. (See Elfers, Paul A., assignor.)
Fitz Gerald, Arthur G., West Newton, Mass. Pneumatic tire tube. 2,041,750; May 26.
Flewelling, Edmund T., assignor to F. L. Walker, Dayton, Ohio. Audion tester. 2,042,251; May 26.
Flexlume Corporation. (See Whitman, Channing, assignor.)
Flint, Forrest F. T., assignor of one-half to W. Ewart, Detroit, Mich. Fluid pressure motor. 2,041,916; May 26.
Florence Pipe Foundry & Machine Company. (See Camerota, Louis A., assignor.)
Florman, Irving, New York, N. Y. Instantaneous water heater. 2,041,917; May 26.
Fockler, Fred G., Dunn Center, N. Dak. Acetylene gas generator. 2,042,093; May 26.
Foley, George A., assignor to Winchester Repeating Arms Company, New Haven, Conn. Testing apparatus. 2,042,174; May 26.
Folsom, Edward C., Cleveland, and F. E. Smyser, assignors to The Ottawa River Paper Company, Toledo, Ohio. Display stand. 2,041,751; May 26.
Food Machinery Corporation. (See Hait, James M., assignor.)
Ford, Bacon & Davis, Inc., et al. (See Rhodes, George I., assignor.)
Ford Instrument Company. (See Poitras, E. J., and Tear, assignors.)
Ford Instrument Company. (See Stuart, Lemuel M., assignor.)
Ford, Paul C. (See Robertson, Thomas J., assignor.)
Forged-Trak Co. (See Kuchar, Joseph, assignor.)
Forging and Casting Corporation. (See Lumsden, Alexander, assignor.)
Forging & Casting Corporation, The. (See Moormann, Thomas A., assignor.)
Forsberg, Erik A., Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Pulsator for milking machines. 2,042,300; May 26.
Foster Wheeler Corporation. (See Frisch, Martin, assignor.)
Fox, Gordon, assignor to Freyn Engineering Company, Chicago, Ill. Valve seat for air blast valves. 2,042,301; May 26.
Frantz, Samuel G., and J. Q. Stewart, Princeton, N. J., assignor to Radio Corporation of America, New York, N. Y. Radio relaying system. 2,042,302; May 26.
Freedman, Harry A., New York, N. Y. Beach chair. 2,042,252; May 26.
Freund, Willy, Ghemnitz, Germany. Spinning and doubling machine. 2,041,918; May 26.
Freyn Engineering Company. (See Fox, Gordon, assignor.)
Freyn Engineering Company. (See Westcott, E. J., and Ruemmele, assignors.)
Fried, Fritz. (See Wilke, E., and Fried.)
Friedman, Samuel I. S., and O. I. Bloom, New York, N. Y. Composing and reproducing device. 2,042,041; May 26.
Friend, Lester R., Fort Wayne, Ind. Storage battery terminal. 2,041,824; May 26.
Frisch, Martin, assignor to Foster Wheeler Corporation, New York, N. Y. Pulverizer. 2,042,042; May 26.
Fritz, Herman W., Jr. (See Kuehn, Leo H., and Fritz.)
Frolich, Per K., and P. J. Wiezevich, Elisabeth, N. J., assignors to Standard Oil Development Company. Production of aldehydes. 2,042,303; May 26.
Fulcher, Roy G. (See Carle, William T., assignor.)
Fuller, Frederick L., Ilion, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio. Cash register. 2,041,752; May 26.
Fuller Lehigh Company. (See Bailey, E. G., Cassidy, and Hardgrove, assignors.)
Gaidies, Georg. (See Ewest, H., and Gaidies.)
Gaidies, Georg, Berlin-Pankow, and M. Reger, Berlin-Charlottenburg, Germany, assignors to General Electric Company. Gaseous electric discharge lamp. 2,042,148; May 26.
Ganz, Paul H., New York, N. Y. Powder container. 2,041,753; May 26.
Gardner, Edward M., Brooklyn, N. Y. Horseshoe calk. 2,041,825; May 26.
Garelli, Adalberto, Milan, Italy. Reciprocating engine. 2,042,043; May 26.
Garnier, Fernand, Gagny, France. Apparatus for increasing draft in furnaces and for purifying flue gases. 2,041,826; May 26.
Garstang, William W., assignor to P. R. Mallory & Co., Incorporated, Indianapolis, Ind. Condenser. 2,042,044; May 26.
Gary, Wright W., Great Neck, N. Y. Treating hydrocarbon oil. 2,041,754; May 26.
Gáspár, Béla, Brussels, Belgium. Colored light-sensitive material and producing color pictures therewith. 2,041,827; May 26.
Gaspar, Béla, Brussels, Belgium. Producing photographic dyestuff images. 2,042,253; May 26.
Gaston, George H., Houston, Tex. Covering for seats or cushions. 2,041,919; May 26.
Gastrich, Gustav, assignor to Textile Machine Works, Wyomissing, Pa. Knitted fabric and hosiery produced therefrom. 2,042,149; May 26.
Gay, Norman H., Los Angeles, Calif. Purging and rectifying oil in refrigerator systems. 2,042,394; May 26.
Gaylord, Robert, Incorporated. (See Whalley, George E., assignor.)
General Aniline Works, Inc. (See Schoeller, Conrad, assignor.)
General Cable Corporation. (See Atkinson, R. W., and Hagen, assignors.)
General Electric Company. (See Bol, Cornelis, assignor.)
General Electric Company. (See Bol, C., and Klinkhamer, assignors.)
General Electric Company. (See Bünger, Albert, assignor.)
General Electric Company. (See Cheney, H., and Davies, assignors.)
General Electric Company. (See Ewest, H., and Gaidies, assignors.)
General Electric Company. (See Fairbrother, Jack A. V., assignor.)
General Electric Company. (See Gaidies, G., and Reger, assignor.)
General Electric Company. (See Inman, George E., assignor.)
General Electric Company. (See Krefft, Hermann, assignor.)
General Electric Company. (See Schouwstra, Pieter, assignor.)
General Electric Company. (See Scott, William J., assignor.)
General Electric Company. (See Wiegand, Kurt, assignor.)
General Electric Vapor Lamp Co. (See Thomas A., assignor.)
General Electric Vapor Lamp Company. (See Winninghoff, Wilford J., assignor.)
General Motors Corporation. (See Bichowsky, Francis R., assignor.)

General Motors Corporation. (See Olley, Maurice, assignor.)
General Motors Corporation. (See White, John W., assignor.)
General Plate Company. (See Mottlau, August J., assignor.)
General Register Corporation. (See Helsel, Reuben H., assignor.)
General Steel Castings Corporation. (See Hallquist, E. G., and Visser, assignors.)
General Steel Castings Corporation. (See Howard, Karl S., assignor.)
General Steel Castings Corporation. (See Pfiager, Harry M., assignor.)
General Tire & Rubber Company, The. (See Breth, W. J., and Engler, assignors.)
General Zeolite Co. (See Green, Walter H., assignor.)
Giles, William R. (See Pasternack, B., and Giles.)
Gill, Charles C., R. O. Julian, J. W. McIlwraith, and C. F. Rutledge, assignors of one-half to J. W. McIlwraith and one-half to C. F. Rutledge, Elwood, Ind. Sectional door mechanism. 2,042,175; May 26.
Gits, Remi J., Riverside, Ill. Lubricator. 2,041,920; May 26.
Giusefi, Vincent, South Orange, N. J. Bed and bedrail. 2,042,045; May 26.
Glaister, Paul J., Edgewood, and H. L. Rawlins, Wilkinsburg, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,042,335; May 26.
Gleason, Frederick J., Bayonne, and S. W. Burnham, Elizabeth, assignors to Merck & Co. Inc., Rahway, N. J. Dispensing unit. 2,041,703; May 26.
Gluns, Henry F., Saratoga Springs, assignor of one-half to R. McMullen, New York, N. Y. Method of and apparatus for applying closures to containers. 2,042,304; May 26.
Godinez, Manuel, Chicago, Ill. Pulverizer. 2,042,254; May 26.
Good, John N., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Warning device for brakes. 2,042,084; May 26.
Goodman, Irving, New York, N. Y. Brassière slip. 2,042,305; May 26.
Goodrich, B. F., Company, The. (See Brous, Samuel L., assignor.)
Goodrich, B. F., Company, The. (See Harrison, Marion M., assignor.)
Goodrich, B. F., Company, The. (See Semon, Waldo L., assignor.)
Goodrich, B. F., Company, The. (See Sprunger, Vernon J., assignor.)
Gordon, Joseph L., Chicago, Ill. Combined bottle holder and closure-protector. 2,041,755; May 26.
Gordon, Walter L., and H. L. Johnson, assignors to Johnson Brothers Engineering Corporation, Waukegan, Ill. Steering handle. 2,041,704; May 26.
Gough, James J., assignor to Chicago Electric Manufacturing Company, Chicago, Ill. Adjustable mechanism for oscillating electric fans. 2,041,921; May 26.
Graham Simplex Pump Company. (See Graham, W. H., and Grau, assignors.)
Graham, William H., Elko, Nev., and W. S. Grau, Los Angeles, Calif., assignors to Graham Simplex Pump Company (no stockholders liability), Santa Fe, N. Mex. Deep well pump. 2,042,336; May 26.
Gramann, Heinrich F. M. (See Durand, N. C., and Gramann.)
Grammes, L. F., & Sons, Inc. (See Weindel, Fred, Jr., assignor.)
Grant, Harry C., Jr., assignor to Walter Kidde & Company, Inc., New York, N. Y. Detection of suspended matter in gaseous fluids. 2,042,095; May 26.
Grau, William S. (See Graham, W. H., and Grau.)
Gray, Edward B., New Bedford, Mass. Card holder. 2,041,756; May 26.
Green, Walter H., assignor to General Zeolite Co., Chicago, Ill. Fluid flow control system. 2,041,922; May 26.
Greenwood, Richard F., New York, N. Y., assignor to Standard Equipments, Inc. Joint for rail ends and splice bars therefor. 2,041,828; May 26.
Greider, Harold W., Plymouth Meeting, Pa., assignor to The Philip Carey Manufacturing Company. Heat insulation material and making same. 2,042,096; May 26.
Greif Bros. Cooperage Co., The. (See Schane, Edward H., assignor.)
Groll, Herbert P. A., Oakland, and C. J. Ott, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Preparation of unsaturated ethers. 2,042,219; May 26.
Groll, Herbert P. A., Oakland, and H. W. de Jong, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Catalytic oxidation of unsaturated alcohols. 2,042,220; May 26.
Groll, Herbert P. A., Oakland, and G. Hearne, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Production of unsaturated esters and products thereof. 2,042,221; May 26.
Groll, Herbert P. A., and J. Burgin, Oakland, assignors to Shell Development Company, San Francisco, Calif. Treatment of unsaturated halides. 2,042,222; May 26.
Groll, Herbert P. A., and J. Burgin, Oakland, assignors to Shell Development Company, San Francisco, Calif. Rearrangement of unsaturated halides. 2,042,223; May 26.
Groll, Herbert P. A., Oakland, and G. Hearne, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Converting a polyhydric alcohol to a carbonyl compound. 2,042,224; May 26.
Groll, Herbert P. A., Oakland, and C. T. Kautter, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Conversion of halogenated alcohols to carbonylic compounds. 2,042,225; May 26.
Grosch, Lyndall. (See Smith, F. D., and Grosch.)
Grosser, Alois A. (See Eagle, A. A., and Grosser.)
Gruskin, Benjamin, Philadelphia, Pa., assignor to Lakeland Foundation, Chicago, Ill. Pregnancy antigen. 2,042,430; May 26.
Guardian Safety Seal Company. (See Fabrice, Edward H., assignor.)
Guiri, Paul R. (See Barnes, J. S., and Guiri.)
Gulf Research & Development Corporation. (See Loomis, Albert G., assignor.)
Gwathmey, Mary B., New York, N. Y. Edge binding. 2,042,046; May 26.
Gyr, Joseph, and O. Kaiser, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Azo-dyestuffs. 2,041,829; May 26.
H. B. Motor Corporation. (See Harper, William, Jr., assignor.)
Haas, Philip J., Chicago, Ill. Holder and wiper. 2,042,255; May 26.
Haberstump, Alfred H., Detroit, Mich., assignor to The Murray Corporation of America. Vehicle body. 2,041,757; May 26.
Haddock, Norman H., and A. Kershaw, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Amino derivatives of o-nitro-phenyllactic and thiolactic acids. 2,041,705; May 26.
Hagen, Albert M. (See Atkinson, R. W., and Hagen.)
Hagenbuch, Walter, Martines, assignor to Shell Development Company, San Francisco, Calif. Apparatus for and process of fractionation. 2,042,150; May 26.
Hague, Thomas W., Fort Worth, Tex. Grain crop header. 2,042,256; May 26.
Hahn, Otto W., San Francisco, Calif. Gaseous fuel burner. 2,041,706; May 26.
Haif, James M., San Marino, Calif., assignor to Food Machinery Corporation. Oil return system for deep well turbine pumps. 2,041,999; May 26.
Halborg, Carl J., Detroit, Mich., assignor to Colonial Broach Company. Broach. 2,041,759; May 26.
Halkyard, Charles C., Melbourne, Victoria, assignor to Hume Pipe Company (Australia) Limited, Melbourne, Australia. Centrifugal molding and lining of pipes and the like. 2,042,395; May 26.
Hallquist, Einar G., Wallingford, Pa., and L. Visser, assignors to General Steel Castings Corporation, Granite City, Ill. Railway car. 2,042,151; May 26.
Hammond Clock Company, The. (See Hammond, Laurens, assignor.)
Hammond, Laurens, Evanston, assignor to The Hammond Clock Company, Chicago, Ill. Calendar clock. 2,042,337; May 26.
Hampson, Walter, Pawtucket, assignor to Shambow Shuttle Company, Woonsocket, R. I. Loom shuttle structure. 2,042,307; May 26.
Handley, George F., Glendale, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 2,042,000; May 26.
Handy & Harman. (See Leach, Robert H., assignor.)
Hankscraft Company. (See Nelson, George H., assignor.)
Hanney, Angus F., assignor to The American Laundry Machinery Company, Norwood, Ohio. Pressing machine. 2,041,923; May 26.
Hannifin Manufacturing Co. (See Peterson, Victor W., assignor.)
Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Signaling system. 2,041,830; May 26.
Hanson, Louis O., assignor of one-half to H. T. Borsheim, Waterloo, Iowa. Hedge trimmer. 2,041,924; May 26.
Harder, Frank, et al. (See Hyde, E. C., Jr., and Renfro, assignors.)
Hardgrove, Ralph M. (See Bailey, E. G., Cassidy, and Hardgrove.)
Harding, Samuel R., Aberdeen, S. Dak. Counter actuating means for eductional test checking machines. 2,041,758; May 26.
Harding, Wilbur T., Dayton, Ohio. Lamp focusing sight. 2,041,707; May 26.
Harding, William R. (See Brown, J. L., and Harding.)
Hardman, Albert F., assignor, by mesne assignments, to The Kelly-Springfield Tire Company, Cumberland Md. Accelerators of vulcanization. 2,042,047; May 26.
Hardman, Albert F., assignor, by mesne assignments, to The Kelly-Springfield Tire Company, Cumberland, Md. Accelerator of vulcanization. 2,042,048; May 26.
Hardy, Elbert C., Manistee, Mich., assignor to Morton Salt Company, Chicago, Ill. Filter. 2,042,308; May 26.
Harper, William, Jr., Port Washington, N. Y., assignor to H. B. Motor Corporation. Combustion engine. 2,041,708; May 26.

Harper, William, Jr., Port Washington, N. Y., assignor to H. B. Motor Corporation. Combustion engine. 2,041,709; May 26.
Harpster, Clyde C., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Oscillating toaster. 2,042,226; May 26.
Harrison, Marion M., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Extensible elastic article. 2,041,760. May 26.
Harrison, Robert E. W., and C. W. Hopkins, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Machine tool. 2,042,257; May 26.
Harshberger, Norman P., Scarsdale, assignor to Bakelite Building Products Co., Inc., New York, N. Y. Shingle. 2,041,761; May 26.
Hartley, Florence. (See Moore, Thomas H., assignor.)
Hartman, Charles D. (See Wilson, J. R., Acker, and Hartman.)
Hartmann Trunk Company. (See Danielsen, H. P., and Kiefer, assignors.)
Haskell, William, Brooklyn, N. Y. Quarrying tool. 2,042,447; May 26.
Haslam, Robert T., Westfield, N. J., assignor to Standard-I. G. Company. Manufacturing of highly unsaturated or aromatic distillates from heavier oils. 2,042,306; May 26.
Hausman, Frederick G., Lakeville, Conn. Mixing device. 2,042,176; May 26.
Havanas, Albert R., assignor of one-half to D. McDermott, Warren, Ohio. Portable sheet material cutter. 2,042,097; May 26.
Hawley, Jesse B. (See Sloan, Edward C., assignor.)
Hayes, Harvey C., Washington, D. C. Sound detecting apparatus. 2,041,710; May 26.
Hazard, Charles S., New York, and F. S. Prentiss, Flushing, N. Y., assignors to Neptune Meter Company. Interlock for meter casings. 2,041,762; May 26.
Heald Machine Company, The. (See Blood, Harold L., assignor.)
Healy, John J., Jr., Newton Upper Falls, assignor to Merrimac Chemical Company, Everett, Mass. Manufacture of pigmented paper. 2,042,338; May 26.
Hearne, George. (See Groll, H. P. A., and Hearne.)
Heath, Harry C., San Francisco, Calif. Electric vacuum horn. 2,041,925; May 26.
Heath, Oliver J. (See Yager, G. F., and Heath.)
Heckman, Eugene M., Pittsburgh, Pa. Cleansing fluid filtration. 2,041,763; May 26.
Heftye, Birger, Tampico, Mexico. Fluid motor. 2,042,001; May 26.
Heidenhain, Johannes, Berlin-Schlachtensee, Germany. Production of dials, scales, and the like. 2,042,049; May 26.
Helsel, Reuben H., Long Island City, assignor to General Register Corporation, Brooklyn, N. Y. Ticket issuing machine. 2,041,831; May 26.
Henchert, John. (See Engelman, J. J., Henchert, and Baker.)
Henderson, Clarence S., Downers Grove, assignor to Acme Steel Company, Chicago, Ill. Readybound crate. 2,042,339; May 26.
Henecka, Hans. (See Schönhöfer, F., and Henecka.)
Henex, S. A. (See Smead, Edward L., assignor.)
Henry, Sam F., Guntersville, Ala. Plugged telltale hole. 2,042,309; May 26.
Hensel, Henry A., Milwaukee, Wis. Sausage casing and closing the same. 2,042,227; May 26.
Herr, Harvey E. (See Herr, Henry C., and H. E.)
Herr, Henry C., and H. E., assignors to Herr Manufacturing Company, Inc., Buffalo, N. Y. Flyer for spinning machines. 2,042,340; May 26.
Herr Manufacturing Company. (See Herr, Henry C., and H. E., assignors.)
Herrmann, Karl L., assignor to The Bantam Ball Bearing Company, South Bend, Ind. Feeding device for grinders. 2,041,764; May 26.
Herwander, Berg, Wamsley, Ontario, Canada. Hay loader. 2,041,926; May 26.
Hess, Charles W. (See Crist, W. J., and Hess.)
Hesse, Paul J., et al. (See Suhm, C. E., and Ankenbruck, assignors.)
Hester, Levi C., Jacksonville, Fla. Plow attachment for tractors. 2,041,832; May 26.
Hetzer, Russell A., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Apparatus for cleaning fabrics. 2,041,711; May 26.
Heumader, Otto, St. Joseph, Mo. Power transmission mechanism. 2,041,927; May 26.
Hickerson, Guy. (See McCreadie, J., and Hickerson.)
Hicks, Robert J., Rochester, N. Y. Headlight. 2,042,396; May 26.
Hiers, Glen S., Pittsburgh, assignor to Collins & Aikman Corporation, Philadelphia, Pa. Coating. 2,041,712; May 26.
High, Ivan M., and E. G. Kimmell, Keyser, W. Va. Hair curler. 2,042,397; May 26.
Hild, Frederic W., Los Angeles, Calif. Multiflow cooling system. 2,041,928; May 26.
Hile, Charles L., assignor of one-half to W. Ruedeman, Louisville, Ky. Electric contact plug. 2,042,398; May 26.
Hilk, Frank J., Pittsburgh, Pa. Heat-distributor for registers. 2,042,310; May 26.
Hirsch, Adolph, New York, N. Y. Spool box. 2,042,311; May 26.
Hitchcock, Forrest L., Indianapolis, Ind. Fuel supply and control system. 2,041,833; May 26.
Hitzler, Ralph C., Lapeer, Mich. Dispensing device. 2,042,098; May 26.
Hitzman, Julius G., St. Louis, Mo. Roof cleat and guard. 2,041,929; May 26.
Hjelmblad, Karl W. J., Alsten, assignor to Accumulator Aktiebolaget Leif Nobel, Stockholm, Sweden. Electric accumulator. 2,041,834; May 26.
Hollerith, Herman, Jr., Riverton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Method of and apparatus for manipulating articles, such as talking machine or phonograph records. 2,041,713; May 26.
Holme, Edward D., Jr. (See Holme, Edward D., assignor.)
Holme, Edward D., assignor to E. D. Holme, Jr., St. Joseph, Mo. Combined chair and table. 2,042,399; May 26.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining apparatus. 2,041,714; May 26.
Hon, Victor R., Deming, N. Mex. Optical clasp. 2,042,400; May 26.
Hooper, George H., Detroit, Mich. Motor vehicle. 2,042,431; May 26.
Hoover, Charles O., assignor to Bennett-Clark Co., Inc., San Antonio, Tex. Purifying hydrocarbon oils. 2,042,050; May 26.
Hoover, Charles O., assignor to Bennett-Clark Co., Inc., San Antonio, Tex. Purifying hydrocarbon oils. 2,042,051; May 26.
Hoover, Charles O., assignor to Bennett-Clark Co., Inc., San Antonio, Tex. Treating mineral oils. 2,042,052; May 26.
Hoover, Charles O., assignor to Bennett-Clark Co., Inc., San Antonio, Tex. Refining hydrocarbon oils and vapors. 2,042,053; May 26.
Hoover, Charles O., assignor to Bennett-Clark Co., Inc., San Antonio, Tex. Sweetening hydrocarbon oil. 2,042,054; May 26.
Hoover, Charles O., assignor to Bennett-Clark Co., Inc., San Antonio, Tex. Sweetening sour hydrocarbon oil. 2,042,055; May 26.
Hoover, Walter S., Girard, assignor of one-half to P. H. Crow, Meadville, Pa. One-piece hollow steel propeller. 2,042,099; May 26.
Hopkins, Cecil W. (See Harrison, R. E. W., and Hopkins.)
Hopping, Alvin S., Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America. Electron discharge device. 2,042,057; May 26.
Houlis, Louis D., Seattle, Wash. Baking oven. 2,041,930; May 26.
Houston, Claude M., Pittsburgh, Pa. Preparing the ends of tubular members for a welded joint. 2,042,100; May 26.
Hovey, Otis W., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa. Flexible metallic closure. 2,042,002; May 26.
Howard, Karl S., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Railway motor truck. 2,042,177; May 26.
Howell, Delta B., Murphysboro, Ill. Glazing apparatus. 2,041,765; May 26.
Howland, Edgar G., Park Ridge and F. E. Payne, Glencoe, Ill., assignors to Crane Packing Company. Plastic packing composition. 2,041,835; May 26.
Howland, Thomas J., Long Branch, N. J. Swimming device. 2,042,152; May 26.
Hrivnák, Andrew, Cleveland, Ohio. Needle threader. 2,042,403; May 26.
Huebner, Samuel A., Forest Junction, Wis. Tire spreader. 2,042,312; May 26.
Huebner, William C., Chicago, Ill. Printing element and making same. 2,042,003; May 26.
Huenlich, Charles, Bloomfield, assignor to Thomas A. Edison, Incorporated, West Orange, N. Y. Phonographic apparatus. 2,042,228; May 26.
Hull, John B., Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,042,101; May 26.
Hull, Washington. (See Brennan, E. A., and Hull.)
Hult, Lawrence, Reseda, Calif. Log splitting device. 2,042,401; May 26.
Humby, Alan J. D. (See Wünsch, G., and Humby.)
Hume Pipe Company (Australia) Limited. (See Halkyard, Charles C., assignor.)
Humphreys, Ira B., Denver, Colo. Concentrator. 2,042,402; May 26.
Hunt, C. Howard, Pen Company. (See Bartol, George E., Jr., assignor.)
Hunt, James K., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Impervious fabric. 2,041,836; May 26.
Hunziker, Adolph, Jr., Chicago, Ill. Bumper attachment. 2,041,931; May 26.
Hurst, Max, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Supply pump for engines. 2,042,004; May 26.

Hutchings, Le Roi E., Kenmore, assignor to Remington Rand, Inc., Buffalo, N. Y. Camera for duplicating record cards. 2,042,005; May 26.
Hutchins, Henry A., Jr., Darien, Conn., assignor to National Union Radio Corporation, Newark, N. J. Sealed carton. 2,041,932; May 26.
Hutchinson, Norman, Wilkes-Barre, Pa. Clothesline pulley. 2,042,102; May 26.
Hutnick, Benjamin. (See Lawson, C. M., and Hutnick.)
Hyde, E. C., Jr., Kansas City, Mo., and J. C. Renfro, Huntington Beach, Calif., assignors of forty-nine per cent to J. J. Richart, Whittier, two per cent to F. Harder, and forty-nine per cent to said Renfro. Apparatus for heating and agitating wells. 2,042,103; May 26.
I. G. Farbenindustrie Aktiengesellschaft. (See Kaufmann, W., Eckstein, and Rosenberger, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Wilke, E., and Fried, assignors.)
Ilgenfritz, Curtis B., York, assignor to United States Glass Company, Pittsburgh, Pa. Juice extractor. 2,042,341; May 26.
Imperial Chemical Industries Limited. (See Coffey, S., and Sexton, assignors.)
Imperial Chemical Industries Limited. (See Coffey, S., Lapworth, and Sexton, assignors.)
Imperial Chemical Industries Limited. (See Crawford, John W. C., assignor.)
Imperial Chemical Industries Limited. (See Haddock, N. H., and Kershaw, assignors.)
Imperial Chemical Industries Limited. (See Kershaw, Arnold, assignor.)
Imperial Chemical Industries Limited. (See Knight, Arthur H., assignor.)
Imperial Chemical Industries Limited. (See Mendoza, Mordecai, assignor.)
Imperial Chemical Industries Limited. (See Sayles, Henry S., assignor.)
Inglis, Alfred H., Orange, N. J., assignor to American Telephone and Telegraph Company, Telephone system. 2,041,933; May 26.
Ingrassia, William. (See Cogito, J., and Ingrassia.)
Inman, George E., East Cleveland, Ohio, assignor to General Electric Company. Mounting and thermoinsulative jacket for vapor electric devices. 2,042,153; May 26.
International Business Machines Corporation. (See Peirce, John R., assignor.)
International Business Machines Corporation. (See Valtat, Raymond L. A., assignor.)
International Printing Ink Corporation, The. (See Jeuck, Francis J., assignor.)
International-Stacey Corporation. (See Bloss, Richard R., assignor.)
Inventia Patent-Verwertungs-Gesellschaft. (See Engberg, A. O., and Eriksson-Jons, assignors.)
Irick, Haden R., Spokane, assignor of one-half to L. L. Ritter, Hooper, Wash. Vegetable slicing machine. 2,041,766; May 26.
Isler, Herman R., Norwood, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Universal dividing head quadrant. 2,042,258; May 26.
Izard, Emmette F., Elsmere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose derivative compositions. 2,041,715; May 26.
Jack, William A., 3d, assignor, by mesne assignments, to C. F. Burgess Laboratories, Inc., Madison, Wis. Silencer. 2,041,767; May 26.
Jackson, Newton W. (See Craighead, Bedia L., assignor.)
Jackson, William H., Great Neck, N. Y. Apparatus for treating liquids. 2,042,006; May 26.
Jacobs Manufacturing Company, The. (See Stoner, Arthur M., assignor.)
Jacobson, James H. (See Lawrence, Albin J., assignor.)
James, Brandon. (See Estes, Ed, assignor.)
James, Joseph H., Pittsburgh, assignor to C. P. Byrnes, trustee, Sewickley, Pa. Phenolic condensation products and making the same. 2,042,313; May 26.
James, Joseph H., Pittsburgh, assignor to C. P. Byrnes, Sewickley, Pa. Treating partial oxidation products. 2,042,314; May 26.
Jecusco, Frederick P., Middletown, assignor to The Chatham Manufacturing Company, Portland, Conn. Elastic fabric and colored strand therefor. 2,041,837; May 26.
Jefferson, Do, Houston, Tex., assignor to The Texas Company, New York, N. Y. Burner for corrosive fluids. 2,042,058; May 26.
Jeffries, Holly W., and A. B. Steward, Chicago, Ill. Filling or refilling compacts or the like. 2,042,059; May 26.
Jeisel, John, et al. (See Miller, Lewis, assignor.)
Jeuck, Francis J., Battle Creek, Mich., assignor to The International Printing Ink Corporation, New York, N. Y. Printing. 2,042,432; May 26.
John, Albert J., Brookfield, Ill. Marker. 2,042,315; May 26.
Johns-Manville Corporation. (See Cummins, Arthur B., assignor.)
Johns-Manville Corporation. (See Rowe, William L., assignor.)
Johnson, Albin B. (See Moore, F. V., and Johnson.)
Johnson, Arthur A., Bridgeport, Conn. Electric signal. 2,042,316; May 26.
Johnson, Arthur A., Corporation, The. (See Baumeister, P. A., and Saunders, assignors.)
Johnson Brothers Engineering Corporation. (See Gordon, W. L., and Johnson, assignors.)
Johnson, Harry L. (See Gordon, W. L., and Johnson.)
Johnson, Stephen, Jr. (See Vorech, S., and Johnson.)
Johnson, Sylvester A., North Providence, assignor to A and Z Chain Company, Providence, R. I. Extendible and adjustable clasp for watch-braceleta or the like. 2,042,154; May 26.
Jones, Ray E., assignor to Detroit Lubricator Company, Detroit, Mich. Detachable union. 2,042,229; May 26.
Julian, Richard O. (See Gill, C. C., Julian, McIlwraith, and Rutledge.)
Kaiser, Frank A., Milwaukee, Wis. Calculating machine. 2,042,342; May 26.
Kaiser, Frank F., Montrose, N. Y., assignor to John Waldron Corporation, New Brunswick, N. J. Multicolor printing machine. 2,042,060; May 26.
Kaiser, Otto. (See Gyr, J., and Kaiser.)
Kalkbrenner, Robert, Breslau, and H. Toehl, Wuppertal-Elberfeld, Germany, assignors to North American Rayon Corporation, New York, N. Y. Spinning centrifuge. 2,042,433; May 26.
Kane, John P., New York, N. Y. Rubber coated cake of soap. 2,042,104; May 26.
Karlin, Nathan A., assignor to Kay Products of America, Brooklyn, N. Y. Radio control head. 2,042,061; May 26.
Kaufmann, Waldemar, L. Eckstein, and K. Rosenberger, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Photoluminescent glass. 2,042,425; May 26.
Kautter, Carl T. (See Groll, H. P. A., and Kautter.)
Kay-Fries Chemicals, Inc. (See Peirce, Joseph O., assignor.)
Kay Products of America. (See Karlin, Nathan A., assignor.)
Kayser, Julius, & Co. (See Deakin, William, assignor.)
Keese, Beverly W, Oshkosh, Wis., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Steering wheel drive for vehicles. 2,042,404; May 26.
Keil, Francis, & Son, Inc. (See Schoorel, Adam, assignor.)
Kelley, Francis E., Providence, R. I., assignor to Easton, and Burnham Machine Company. Spindle bearing. 2,041,934; May 26.
Kelley, Wesley J., Minneapolis, Minn. Movable electric receptacle. 2,042,105; May 26.
Kelly Reamer Company, The. (See Van Deusen, D. E., and Berg, assignors.)
Kelley-Springfield Tire Company, The. (See Hardman, Albert F., assignor.)
Kennedy, Jerome F., Berlin, Germany. Constructional toy elements consisting of tubes, plates, and connecting pieces. 2,042,007; May 26.
Kennedy, Samuel E. (See Brown, Henry A., assignor.)
Kennedy, William J., Chicago, Ill. Water outlet and salt inlet device for water softeners. 2,042,008; May 26.
Kershaw, Arnold. (See Haddock, N. H., and Kershaw.)
Kershaw, Arnold, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Amino-ortho-nitro-aryl-thiocarboxylic acids and preparing same. 2,041,716; May 26.
Kesselring, Camillus J. (See Eagle, A. A., and Grosser, assignors.)
Kettleband, George F., Providence, assignor of one-half to J. W. Staton, West Barrington, and J. W. Staton, Cranston, R. I. Slur cam particularly adapted for use in straight knitting machines employing horisontally reciprocatable sinkers. 2,042,062; May 26.
Kidde, Walter, & Company. (See Grant, Harry C., Jr., assignor.)
Kiefer, Joseph J. (See Danielsen, H. P., and Kiefer.)
Kielbasinski, Stanislaw, Warsaw, Poland. Purifying aminoarsinobensenes. 2,042,259; May 26.
Kimmell, Edward G. (See High, I. M., and Kimmell.)
Kinahan, John C. (See Sobatzki, R. J., and Kinahan.)
King, Elizabeth C. (See King, Robert J. and E. C.)
King, Robert J. and E. C., assignors to The Robert J. King Company, Inc., Stamford, Conn. Rubbert cement. 2,042,063; May 26.
King, Robert J., Company, The. (See King, Robert J. and E. C., assignors.)
Kingston, Neil A. (See Moore, F. V., and Johnson, assignors.)
Kinsel, Augustus B., Flushing, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Apparatus for use at low temperatures. 2,042,426; May 26.
Kinzel, Augustus B., Flushing, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Apparatus for use at low temperatures. 2,042,427; May 26.
Kittle, Russell L. (See Ruys, J. D., and Kittle.)
Klasing, Augustus F., Chicago, Ill. Flatcar. 2,042,260; May 26.
Kliewer, Edward A., Longview, assignor of one-half to R. W. Fair, Tyler, and one-sixteenth to Delta Drilling Company, Longview, Tex. Friction brake. 2,041,935; May 26.
Kliewer, Edward A., Longview, assignor of one-half to R. W. Fair, Tyler, Tex. Vehicle chassis. 2,041,936; May 26.

Klinkhamer, Hendrik A. W. (See Bol, C., and Klinkhamer.)
Knight, Arthur H., Ashton-on-the-Mersey, England, assignor to Imperial Chemical Industries Limited. 1-(β-hydroxyethylamino)-5-naphthol and preparing same. 2,041,838; May 26.
Knight, Charlotte S., Freeport, N. Y. Filter faucet. 2,042,106; May 26.
Knight, Joseph D. (See Ducey, Roger H., assignor.)
Knowles, Dewey D., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control circuit. 2,042,181; May 26.
Knowles, Dewey D., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Oil bath temperature regulator. 2,042,182; May 26.
Knudson, Peter E., Hettinger, N. Dak. Golf green sweep. 2,042,405; May 26.
Koeble, Albert H., Irvington, N. J., assignor to The United States Printing & Lithograph Co., New York, N. Y. Shipping and display carton. 2,042,107; May 26.
Koehring, Vera. (See Prytherch, H. F., and Koehring.)
Kohrer, Alfred, assignor to The Closure Service Company, Toledo, Ohio. Closure for bottles and jars. 2,041,768; May 26.
Korbuly, Károly, Csepel, Hungary, assignor to Alfina Immobilien-Finanzierungs- & Verwaltungs A. G., Glarus, Switzerland. Tube rolling process. 2,041,937; May 26.
Kramer, Andrew A., Kansas City, Mo. Pressed steel cover for domes. 2,041,938; May 26.
Krefft, Hermann, Berlin-Schmargendorf, Germany, assignor to General Electric Company. Gaseous electric discharge device. 2,042,261; May 26.
Krekeler, Karl, Hamburg, Germany, assignor to Shell Development Company, San Francisco, Calif. Conveying solid substances through channels, pipes, and the like. 2,042,428; May 26.
Kuchar, Joseph, assignor to Forged-Trak Co., Chicago, Ill. Track for track laying wheels. 2,041,839; May 26.
Kuebler, John M., Wausau, Wis. Sash fastener. 2,042,317; May 26.
Kuehn, Leo H., and H. W. Frits, Jr., Royal Oak, Mich. Support for popcorn poppers. 2,042,406; May 26.
Kuehne, Edmund H., Burlington, Wis. Milk stirring and cooling device. 2,042,108; May 26.
Kugel, Fritz, Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Co., Inc., New York, N. Y. Runner for centrifugal machines. 2,042,064; May 26.
Kugelman, Roy G., Portsmouth, Ohio. Drain cleaner. 2,042,407; May 26.
Kuhne Gesellschaft mit beschränkter Haftung, et al. (See Kuhne, Joseph, assignor.)
Kuhne, Henrietta, et al. (See Kuhne, Joseph, assignor.)
Kuhne, Joseph, assignor of one-half to H. Kuhne, Dusseldorf-Heerdt, and one-half to firm Kuhne Gesellschaft mit beschränkter Haftung, Dusseldorf, Germany. Forming metal articles, more particularly bolt heads or the like, by upsetting. 2,041,939; May 26.
Kyrides, Lucas P., Webster Groves, assignor to Monsanto Chemical Company, St. Louis, Mo. Benzyl substituted salicylic acid and manufacturing the same. 2,042,343; May 26.
Lagaard, Alexander S. T., Minneapolis, Minn. Distributing device for doughnut machines. 2,042,262; May 26.
Lakeland Foundation. (See Gruskin, Benjamin, assignor.)
Lamb, Anthony H., Elizabeth, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electrical relay. 2,042,109; May 26.
Lamberton, Ralph E., Michigan City, Ind., assignor to Sullivan Machinery Company. Pumping apparatus. 2,041,717; May 26.
Lanz, Adolf, Wettingen-Damaau, Switzerland. Producing fabrics of multiple loom width. 2,041,841; May 26.
Lapworth, Morvan. (See Coffey, S., Lapworth, and Sexton.)
Larkin, John P., Detroit, Mich. Nitriding process. 2,041,769; May 26.
LaRue, William D., Maple Shade, N. J., assignor to Radio Corporation of America, New York, N. Y. Method of and apparatus for manipulating articles such as talking machine or phonograph records. 2,041,718; May 26.
Lauterbur, Edward J. (See Lauterbur, Frank X., and E. J.)
Lauterbur, Frank X., deceased, and E. J. Lauterbur, Sidney, Ohio; Wilhelmina S. and L. V. Lauterbur, executors of said F. X. Lauterbur. Water-softener regenerating process and apparatus. 2,042,178; May 26.
Lauterbur, Leo V., executors, et al. (See Lauterbur, Frank X., and E. J.)
Lauterbur, Wilhelmina S., executors, et al. (See Lauterbur, Frank X. and E. J.)
La Valley, Tennis J., assignor to Steelcraft, Inc., Michigan City, Ind. Clamp. 2,042,263; May 26.
La Via, Joseph, St. Albans, N. Y. Light regulating means. 2,042,344; May 26.
Law, J. H., et al. (See Vardell, Lonnie L., assignor.)
Lawrence, Albin J., assignor to J. H. Jacobson, Chicago, Ill. Expansion joint. 2,042,408; May 26.
Lawson, Chester M., Lynnfield, and B. Hutnick, Malden, Mass. Braiding machine. 2,042,065; May 26.
Layton, Roy F., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric cable and manufacturing it. 2,041,842; May 26.
Lazier, Wilbur A., Marshallton, Del., and J. V. Vaughen, Lakewood, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogenating sulphur compounds. 2,041,840; May 26.
Leach, Robert H., Fairfield, Conn., assignor to Handy & Harman, New York, N. Y. Alloy. 2,042,155; May 26.
Leach, Robert W., and W. H. Bateman, Newport, England. Valve. 2,042,066; May 26.
Leach, Robert W., and W. H. Bateman, Newport, England. Valve. 2,042,067; May 26.
Leake, Arthur G., Bridgeport, Conn. Seat connection. 2,042,179; May 26.
Leake, Arthur G., Bridgeport, Conn. Reenforcing bridges. 2,042,180; May 26.
Lear, Joseph D. (See Askin, J., and Lear.)
LeBlond, R. K., Machine Tool Company, The. (See Pierle, Henry C., assignor.)
Leckey, Charles M., Washington, D. C. Plasterer's mortarboard stand. 2,042,110; May 26.
Lee, Daniel W., Philadelphia, Pa. Cutting device. 2,042,318; May 26.
Legan, Frank L., et al. (See Miller, Lewis, assignor.)
Lensky, George A., and E. G. Streckfuss, assignors to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Locking device for slicing machine clamps. 2,042,230; May 26.
Levenhagen, Alexander F., Wausau, Wis. Hot air gun. 2,042,264; May 26.
Levitt, Percy B., Bayside, assignor to Doherty Research Company, New York, N. Y. Electrical testing apparatus. 2,042,009; May 26.
Lewis, Arthur P., New Bedford, Mass., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Fabric spreader. 2,042,010; May 26.
Lewis, Robert B., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Torsion testing mechanism. 2,042,231; May 26.
Lewis, Thomas T., et al. (See Best, Sheridan J., assignor.)
Libbee, Delbert, Wilson, Kans. Stream divider. 2,041,770; May 26.
Lifschitz, Benjamin D., assignor of one-half to E. Singer, Vienna, Austria. Electric pocket lamp. 2,041,843; May 26.
Limbach, Alex, Carmel, N. Y. Sifter top. 2,042,068; May 26.
Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Antenna. 2,042,319; May 26.
Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Antenna. 2,042,320; May 26.
Lindenblad, Nils E., Port Jefferson, N. Y., assignor to Radio Corporation of America. Oscillating system. 2,042,321; May 26.
Lindenblad, Nils E., Port Jefferson, Long Island, N. Y., assignor to Radio Corporation of America. Oscillation generation. 2,042,345; May 26.
Lindner, Karl A. (See Betterton, J. O., and Lindner.)
Lindner, Karl A., Roselle Park, N. J., assignor to American Smelting and Refining Company, New York, N. Y. Apparatus for separating metals and metal alloys. 2,041,844; May 26.
Linn, Carl V. (See Vandegrift, J. N., Postel, and Linn.)
Lipowsky, Louis M. (See Bach, I., and Lipowsky.)
Little, Jesse C., Morgan, Utah. Digging machine for root crops. 2,042,232; May 26.
Lockwood, Edwin H., Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric range. 2,042,233; May 26.
Logan, John W., Jr., Wilkinsburg, assignor to The Westinghouse Electric Air Brake Company, Wilmerding, Pa. Brake circuit checking device. 2,042,111; May 26.
Loomis, Albert G., Mount Lebanon Township, Allegheny County, Pa., assignor to Gulf Research & Development Corporation, Wilmington, Del. Producing flocculation in oil well strata. 2,042,011; May 26.
Lowmaster, Vane H. (See Berringer, William A., assignor.)
Lov, Arthur W., Vallejo, Calif. Prismostereophorometer. 2,041,719; May 26.
Lübcke, Ernst, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Indirectly heated heavy duty cathode. 2,042,183; May 26.
Luker, Fred, Detroit, Mich. Combustion chamber construction for internal combustion engines. 2,041,940; May 26.
Lumsden, Alexander, Royal Oak, Mich., assignor to Forging and Casting Corporation. Manufacturing composite dies. 2,042,012; May 26.
Lunderen, Jacob, Philadelphia, Pa. Balancing machine. 2,041,771; May 26.

Lundquist, Wilton G., Glen Rock, N. J. Adjustable table. 2,041,772; May 26.

Lyle, Frederick W., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric control system. 2,042,234; May 26.

Lynn, Ewing K., East McKeesport, and R. J. Bush, Jeannette, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake valve device. 2,042,112; May 26.

M. G. Car Company Limited, The. (See Charles, Hubert N., assignor.)

MacBride, Duncan, Oak Bay, British Columbia, Canada. Fast freezing apparatus. 2,042,013; May 26.

MacChesney, Chester M., assignor to Acme Steel Company, Chicago, Ill. Container and making the same. 2,042,346; May 26.

Macchianich, George. (See Shepiin, F., and Macchianich.)

Mackenzie, Franklin H., Bywood, assignor to American Chemical Paint Company, Ambler, Pa. Chemical cleaning process. 2,042,347; May 26.

Macotta Unit Corporation. (See Maul, Peter J., assignor.)

Main, David W., assignor to Transportation Systems, Inc., Oklahoma City, Okla. Transportation system. 2,042,265; May 26.

Malickson, Philip S., Bala, Pa. Housing for combined sound and motion-picture projectors. 2,041,845; May 26.

Mallory, P. R., & Co. (See Garstang, William W., assignor.)

Manske, Fred A., assignor to United States Gypsum Company, Chicago, Ill. Resilient building wall clip construction. 2,041,773; May 26.

Marchand, Adolph, Jackson Heights, N. Y. Adjustable duplex electric lamp. 2,041,847; May 26.

Marchev, Alfred. (See McCain, C. C., and Marchev.)

Marino, John J., Fords, N. J. Dispensing cabinet. 2,042,348; May 26.

Marinsky, Davis, assignor, by mesne assignments, to Whitehall Patents Corporation, New York, N. Y. Manufacturing separable fastener devices. 2,041,848; May 26.

Marriott, Alexander D., Jr. (See Carstens, C. E., Dyrenforth and Marriott.)

Marten, Elmer W., Los Angeles, Calif. Wall and floor construction. 2,042,113; May 26.

Martin Trailer Company, The. (See Swift, Howard E., assignor.)

Martin, William H., Detroit, Mich. Welding machine. 2,042,322; May 26.

Massey Harris Company, The. (See Michael, Clement W., and W. E., assignors.)

Mathes, Richard E., Westfield, N. J., assignor to Radio Corporation of America. Radio receiving system. 2,041,846; May 26.

Matuschke, Walter, Berlin-Hermsdorf, and E. Blüsing, Berlin, Germany. Printing-plate matrix. 2,041,941; May 26.

Maul, Peter J., assignor to Macotta Unit Corporation, Detroit, Mich. Building unit. 2,041,942; May 26.

Maurer, Albrecht, Bad Hamburg v. d. Hohe, Germany, assignor to American Voith Contact Company, Inc., New York, N. Y. Resilient coupling. 2,042,069; May 26.

May, Millard S. (See Bemis, A. S., and May.)

McCain, Cecil C., Glen Ellyn, and A. Marchev, LaGrange, Ill., assignors to Ditto Incorporated. Counting device. 2,041,943; May 26.

McCallen, Perry S., assignor to H. W. Sanford, Knoxville, Tenn. Mine car. 2,042,266; May 26.

McCallum, William J., Islington, Ontario, Canada. Drill. 2,042,114; May 26.

McCaskell, William M., Philadelphia, Pa. Baking plate and using the same. 2,042,070; May 26.

McCauley, Ernest G., Dayton, Ohio. Propeller. 2,041,849; May 26.

McCreadie, John, and G. Hickerson, Midland, Mich. Lubricator. 2,042,184; May 26.

McCrery, Harold E., Pittsburgh, assignor to Blaw-Knox Company, Blawnox, Pa. Tamper for concrete road finishing machines. 2,042,156; May 26.

McCulloch, Frederick L., Tampa, Fla. Automobile license plate locking device. 2,042,267; May 26.

McCullough, Ervin W., Indianapolis, Ind. Product from ordinary garbage and preparing same. 2,042,429; May 26.

McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Electropneumatic brake. 2,042,115; May 26.

McDermott, Donald. (See Havanas, Albert R., assignor.)

McGhee, James, Cocoa, Fla. Animal trap. 2,042,349; May 26.

McGuire, Bernard, Lansing, Iowa. Ditch gate. 2,042,350; May 26.

McIlwraith, John W., et al. (See Gill, C. C., Julian, McIlwraith, and Rutledge, assignors.)

McInerney, James L., Grand Rapids, Mich. Spring seat construction. 2,042,157; May 26.

McKinney Manufacturing Company. (See McKinney, Robert L., assignor.)

McKinney, Robert L., assignor to McKinney Manufacturing Company, Pittsburgh, Pa. Door. 2,042,158; May 26.

McMahon, John E., St. Paul, Minn. Journal bearing protector. 2,041,774; May 26.

McMahon, Paul T., et al. (See Best, Sheridan J., assignor.)

McMullen, Robert. (See Gluns, Henry F., assignor.)

McQueer, Bert H., Saint Marys, Pa., assignor to Speer Carbon Company. Carbonaceous bearing material. 2,041,896; May 26.

Mehaffey, William T., Brooklyn, N. Y. Indicator. 2,042,351; May 26.

Melick, John M., Cresskill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Detachable hinge. 2,041,850; May 26.

Melo, August A., Taft, assignor to P. Cavins, Los Angeles, Calif. Baller. 2,041,720; May 26.

Mendoza, Mordecai, West Didsbury, England, assignor to Imperial Chemical Industries Limited. Azo dyestuffs and their production. 2,041,851; May 26.

Menzies, Brian E. (See Thompson, J. S., and Menzies.)

Merck & Co. Inc. (See Gleason, F. J., and Burnham, assignors.)

Merrett, Henry C. (See Mollo, E., and Merrett.)

Merrimac Chemical Company. (See Healy, John J., Jr., assignor.)

Mestekin, Bernard, Washington, D. C. Safety attachment for wrist bands. 2,041,944; May 26.

Metsger, Grace, Tulsa, Okla. Vapor bath apparatus. 2,041,852; May 26.

Michael, Clement W., and W. E. Michael, assignors to The Massey Harris Company, Racine, Wis. Fertilizer distributor. 2,042,014; May 26.

Michael, William E. (See Michael, Clement W., and W. E.)

Michalski, Bruno, Paramus, N. J., assignor of one-half to R. W. Beardslee, Scarsdale, N. Y. Humidifying apparatus. 2,042,185; May 26.

Michaus, Gonzalo, Miami, Fla. Advertising sign. 2,042,268; May 26.

Miller, Lewis, assignor of one-third to J. Jeisel and one-third to F. L. Legan, Cleveland, Ohio. Safety device for truck trailers. 2,042,352; May 26.

Miller, Loyal J. (See Schmocker, Fred C., assignor.)

Milmoe, Michael J., Glen Ellyn, assignor to F. B. Redington Co., Chicago, Ill. Circular feeding mechanism. 2,042,269; May 26.

Minneapolis-Honeywell Regulator Company. (See Cunningham, Lewis L., assignor.)

Misiak, John, Jr., assignor of one-third to L. Z. Peck, Chicago, Ill. Speed-change power transmission. 2,042,235; May 26.

Mohler, James V., Oelwein, assignor of one-half to G. M. Butts, Wesley, Iowa. Automatic parachute release device. 2,042,159; May 26.

Mollo, Eugene, and H. C. Merrett, London, England. Decorating large surfaces by photography. 2,041,853; May 26.

Monsanto Chemical Company. (See Carswell, Thomas S., assignor.)

Monsanto Chemical Company. (See Kyrides, Lucas P., assignor.)

Monsanto Chemical Company. (See Smith, F. D., and Grosch, assignors.)

Moore, Fred V., and A. B. Johnson, Harvey, Ill., assignor of one-half to N. A. Kingston. Toy parachute device. 2,042,270; May 26.

Moore, Thomas H., assignor of one-eighth to F. Hartley, Santa Monica, Calif. Combination flushing and ventilating pipe assembly for water closet bowls. 2,042,271; May 26.

Moormann, Thomas A., Pleasant Ridge, Mich., assignor to The Forging & Casting Corporation. Apparatus for casting sleeve-like bodies. 2,042,015; May 26.

Morehouse, Terry B., West Hempstead, N. Y. Connection for structural members. 2,042,353; May 26.

Moritz, Adrian J. L., and J. J. Schilthuis, assignors to American Enka Corporation, Enka, N. C. Manufacture of artificial silk and by-product recovery therefrom. 2,042,016; May 26.

Morrill, Alfred R., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe sewing machine. 2,041,945; May 26.

Morris, Albert W., Springfield, Mass. Method of casting metals. 2,042,409; May 26.

Morris, Roy K., Charleston, W. Va. Mechanical movement. 2,042,118; May 26.

Morton Salt Company. (See Hardy, Elbert C., assignor.)

Motor Wheel Corporation. (See Nelson, Emil A., assignor.)

Motor Wheel Corporation. (See Platt, Howard I., assignor.)

Mottinu, August J., Pittsburgh, Pa., assignor to General Plate Company, Attleboro, Mass. Snap acting device. 2,041,775; May 26.

Moye, Otis B., Soperton, Ga. Insect trap. 2,042,236; May 26.

Munson, Martin H., Red Wing, Minn. Window sash and frame. 2,042,354; May 26.

Munters, Carl G., Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., Dover, Del. Refrigerating system. 2,042,355; May 26.

Murray Corporation of America, The. (See Haberstump, Alfred H., assignor.)

Murray, William S., Utica, N. Y. Making indium-containing glass. 2,042,117; May 26.

Musket, Peter P. (See Fischer, H. G., Musket, and Richardson.)

Nardone, Romeo M., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Transmission. 2,042,356; May 26.

National Cash Register Company, The. (See Fuller, Frederick L., assignor.)

National Dyeing & Printing Company. (See Witte, William, assignor.)

National Malleable and Steel Castings Company. (See Bazeley, Arthur J., assignor.)

National Standard Company. (See Pierce, Robert C., assignor.)

National Technical Laboratories. (See Beckman, Arnold O., assignor.)

National Television Corporation. (See Simons, Louis J., assignor.)

National Union Radio Corporation. (See Cone, James H., assignor.)

National Union Radio Corporation. (See Hutchins, Henry A., Jr., assignor.)

Nave, Alfred E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Closure seal. 2,041,946; May 26.

Neal, Arthur M., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Preservation of rubber. 2,041,854; May 26.

Nelsen, Walter F. (See Wiener, M. L., and Nelsen.)

Nelson Corporation, The. (See Watson, Edgar, assignor.)

Nelson, Emil A., Lansing, Mich., assignor to Motor Wheel Corporation. Brake drum. 2,041,776; May 26.

Nelson, George H., assignor to Hankscraft Company, Madison, Wis. Liquid conductor heater. 2,042,272; May 16.

Neptune Meter Company. (See Hazard, C. S., and Prentiss, assignors.)

New York Air Brake Company, The. (See Silicox, Lewis K., assignor.)

Nicolson, Alexander McL., assignor to Communication Patents, Inc., New York, N. Y. Travel sound source. 2,042,237; May 26.

Nineteen Hundred Corporation. (See Behan, Thomas W., assignor.)

North American Rayon Corporation. (See Kalkbrenner, R., and Toehl, assignors.)

North American Rayon Corporation. (See Taylor, Joseph I., assignor.)

Northern Malleable Iron Company. (See Cummins, Thomas K., assignor.)

Northrop, Jonas, assignor to Draper Corporation, Hopedale, Mass. Shuttle check. 2,042,118; May 26.

Northrop, Jonas, assignor to Draper Corporation, Hopedale, Mass. Loom shuttle check. 2,042,119; May 26.

Norton, Charles L., Boston, Mass., assignor to The Babcock & Wilcox Company, Newark, N. J. Making foundry sand. 2,041,721; May 26.

Nygren, Carl O., Michigan City, Ind., assignor to Sullivan Machinery Company. Engine starting apparatus. 2,041,722; May 26.

Nygren, Carl O., Michigan City, Ind., assignor to Sullivan Machinery Company. Engine starting mechanism. 2,041,723; May 26.

Ohio Injector Company of Illinois, The. (See Edwards, Frank W., assignor.)

Ohl, Russell S., Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Frequency control. 2,041,855; May 26.

Okun, Nathaniel N., assignor to Atlas Floor Surfacing Machinery Corp., New York, N. Y. Scraping tool. 2,042,273; May 26.

Olley, Maurice, assignor to General Motors Corporation, Detroit, Mich. Automobile suspension system. 2,041,947; May 26.

Olney, Benjamin, Brighton, and G. Veal, assignors to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Sound reproducing system. 2,041,777; May 26.

Olsen, Tinius, Testing Machine Company. (See Lewis, Robert B., assignor.)

Orchard, Herman C., assignor to Orchard Paper Co., St. Louis, Mo. Decorative corrugated paper. 2,042,017; May 26.

Orchard Paper Co. (See Orchard, Herman C., assignor.)

Orelup, John W., Summit, N. J. Acetylating diphenol isatin. 2,041,856; May 26.

Orner, Leonas O., Maddock, N. Dak. Safety hitch. 2,041,857; May 26.

Ostry, Rodolfo, Quilmes, Argentina. Closure for bottles, jars, tin cans, and the like. 2,042,357; May 26.

Ott, Clarence J. (See Groll, H. P. A., and Ott.)

Ott, John E., assignor to Acme Steel Company, Chicago, Ill. Ready bound crate. 2,042,323; May 26.

Ottawa River Paper Company, The. (See Folsom, E. C., and Smyser, assignors.)

Otto, Isa E., Fairport Harbor, Ohio. Seat. 2,042,238; May 26.

Pacific Electric Manufacturing Corporation. (See Thompson, J. S., and Menzies, assignors.)

Packard Motor Car Company. (See Van Ranst, Cornelius W., assignor.)

Paidar, Emil J., Company. (See Emmert, J. R., and Schwades, assignors.)

Palmer, Harry A., assignor to Palmer Inventions Inc., Malden, Mass. Driving mechanism of the one-way clutch type. 2,042,358; May 26.

Palmer Inventions Inc. (See Palmer, Harry A., assignor.)

Palmiter, Frank, South Bend, Ind. Sandblast device. 2,042,120; May 26.

Pape & Co., G. m. b. H. (See Reis, Alfred, assignor.)

Papst, Hermann, St. Georgen, Schwarzwald, Germany. Producing mirror wheels. 2,042,018; May 26.

Parker, Herschel C., assignor of one-half to J. W. Chard, Los Angeles, Calif. Extracting gold from saline solutions. 2,042,121; May 26.

Partain, Oliver W., Tulsa, Okla. Clutch. 2,041,948; May 26.

Pasternack, Richard, Brooklyn, and W. R. Giles, Richmond Hill, assignors to Charles Pfizer Company, Brooklyn, N. Y. Preparing the reaction product of hydrated aluminum oxide and gluconic acid. 2,042,019; May 26.

Patent Button Company, The. (See Abel, Walter T., assignor.)

Patterson, Charley T., Springfield, Mo. Chick box. 2,041,949; May 26.

Paul, Leon R., Brooklyn, N. Y. Swivel sign pouring closure. 2,041,724; May 26.

Payne, Frank E. (See Howland, E. G., and Payne.)

Peck, Lloyd Z. (See Misiak, John, Jr., assignor.)

Peirce, John R., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Tabulator. 2,042,324; May 26.

Peirce, Joseph O., Cincinnati, Ohio, assignor to Kay-Fries Chemicals, Inc., West Haverstraw, N. Y. Sulphonic acid bodies and making same. 2,042,410; May 26.

Peirce, Joseph O., Cincinnati, Ohio, assignor to Kay-Fries Chemicals, Inc., West Haverstraw, N. Y. Decomposing fats or oils into fatty acids and glycerine. 2,042,411; May 26.

Peters, Peter N., Brooklyn, N. Y. Razor blade. 2,041,778; May 26.

Peterson, Victor W., assignor to Hannifin Manufacturing Co., Chicago, Ill. Valve construction. 2,042,180; May 26.

Pfannmuller, Julius. (See Wallerstein, L., and Pfannmuller.)

Pfau, Arnold, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Hydraulic turbine. 2,042,071; May 26.

Pfirrmann, Theodor W., Castrop-Rauxel, Germany. Hydrogenation of carbonaceous materials. 2,041,858; May 26.

Pfizer, Charles, & Company. (See Pasternack, R., and Giles, assignors.)

Pfleger, Harry M., St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill. Wheel. 2,042,160; May 26.

Philadelphia Drying Machinery Company, The. (See Wyman, Daniel E., assignor.)

Phillips, Albert J. (See Betterton, J. O., and Phillips.)

Phillips Petroleum Company, et al. (See Rhodes, George I., assignor.)

Phipps & Bird, Inc. (See Bird, L. C., Rexrode, and Chappell, assignors.)

Platt, Howard I., assignor to Motor Wheel Corporation, Lansing, Mich. Flue cleaning device. 2,041,779; May 26.

Piccardo, Cesare, Genoa, Italy. System for the prevention of scale formation and for the continuous automatic discharge of mud from steam boilers and heaters of liquids. 2,042,122; May 26.

Pierce, Robert C., assignor to National Standard Company, Niles, Mich. Expansible cover. 2,041,950; May 26.

Pierle, Henry C., assignor to The R. K. LeBlond Machine Tool Company, Cincinnati, Ohio. Loading and unloading of work in machine tools. 2,042,123; May 26.

Planding, Andrew J., New York, N. Y. Tooth brush. 2,042,239; May 26.

Plebanski, Jozef, Warsaw, Poland, assignor to American Telephone and Telegraph Company. Modulating system. 2,041,951; May 26.

Podbielniak, Walter J., Chicago, Ill. Refrigeration. 2,041,725; May 26.

Poitras, Edward J., Jackson Heights, and J. D. Tear, Great Neck, assignors to Ford Instrument Company, Inc., Long Island City, N. Y. Motion reproducing unit. 2,041,952; May 26.

Pollock, John E., Baytown, Tex., assignor to Standard Oil Development Company. Method and apparatus for protecting oil storage tanks. 2,042,274; May 26.

Poole, Jesse V., Abington, assignor to Puritan Manufacturing Company, Boston, Mass. Innersole making machine. 2,042,275; May 26.

Postel, Carl. (See Vandegrift, J. N., Postel, and Linn.)

Powers, Rolla E., Verona, Pa., and H. R. Searing, New York, N. Y., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Network distribution system. 2,042,187; May 26.

Praetorius, Edward, and J. E. Stewart, Los Angeles, Calif. Self-generating photoelectric cell. 2,041,953; May 26.

Pray, George E., Fort Monmouth, Oceanport, N. J. Fluid controlled switch. 2,041,726; May 26.

Prentice, G. E., Manufacturing Company. (See Prentice, George E., assignor.)

Prentice, George E., Berlin, assignor to G. E. Prentice Manufacturing Company, New Britain, Conn. Slider for fasteners. 2,042,325; May 26.

Prentiss, Frank S. (See Hazard, C. S., and Prentiss.)

Prutzman, Paul W., Los Angeles, Calif., assignor to Sconyvacuum Corporation, New York, N. Y. Method and apparatus for electrical dehydration. 2,041,954; May 26.

Prytherch, Herbert F., and V. Koehring, Beaufort, N. C. Opening bivalves. 2,041,727; May 26.

Pugsley, Edwin, assignor to Winchester Repeating Arms Company, New Haven, Conn. Testing apparatus. 2,042,188; May 26.

Puritan Manufacturing Company. (See Poole, Jesse V., assignor.

Putt, Earl B., Haworth, N. J., assignor to H. Theaman, New York, N. Y. Dentifrice. 2,042,359; May 26.

Pyle, Cyrus, 3d, Parlin, and R. T. Van Ness, Metuchen, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Liquid level indicator. 2,041,859; May 26.

Pym, Charles F., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for shaping uppers over lasts. 2,041,955; May 26.

Rabe, Karl, Stuttgart, Germany. Hydrodynamic gear. 2,042,189; May 26.

Radio Corporation of America. (See Frants, S. G., and Stewart, assignors.)

Radio Corporation of America. (See Hansell, Clarence W., assignor.)

Radio Corporation of America. (See Hollerith, Herman, Jr., assignor.)

Radio Corporation of America. (See Hopping, Alvin S., assignor.)

Radio Corporation of America. (See La Rue, William D., assignor.)

Radio Corporation of America. (See Lindenblad, Nils E., assignor.)

Radio Corporation of America. (See Mathes, Richard E., assignor.)

Radio Corporation of America. (See Van Arkel, A. E., and van Embden, assignors.)

Ragan, Frederick H., Shaker Heights, Ohio, assignor to W. R. Barnhart, Jr., Cleveland, Ohio. Air-metering device. 2,042,190; May 26.

Ragan, Ralph, Atlanta, Ga., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Heddle and making the same. 2,041,860; May 26.

Rawlings, Herbert L. (See Glalster, P. J., and Rawlins.)

Reasons, J. Briton. (See Yardell, Lonnie L., assignor.)

Redington, F. B., Co. (See Milmoe, Michael J., assignor.)

Reese, William M., Collingdale, Pa. Engine starter. 2,041,861; May 26.

Reger, Martin. (See Gaidies, G., and Reger.)

Reid, James S., Shaker Heights, assignor to The Reid Products Company, Cleveland, Ohio. Blank for forming channels. 2,041,956; May 26.

Reid Products Company, The. (See Reid, James S., assignor.)

Reis, Alfred, Berlin-Lichterfelde, assignor to Pape & Co., G. m. b. H., Rahlstedt, Germany. Working up low valued materials such as pitch, acid sludge, and the like. 2,041,957; May 26.

Remington Rand Inc. (See Hutchings, Le Roi E., assignor.)

Renfro, Jack C., et al. (See Hyde, E. C., Jr., and Renfro.)

Reno, Robert E. Jr., Portsmouth, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Electric sheet. 2,042,124; May 26.

Revers, Peter J., Detroit, Mich. Closet seat operator. 2,042,276; May 26.

Rexrode, Hampton, M. See Bird, L. C., Rexrode, and Chappell.

Rhodes, George I., Glen Ridge, N. J., assignor of one-half to Ford, Bacon & Davis, Inc., New York, N. Y., and one-half to Phillips Petroleum Company, Bartlesville, Okla. Safety system for pipe lines. 2,041,862; May 26.

Rhodes, George I., Glen Ridge, N. J., assignor of one-half to Ford, Bacon & Davis, Inc., New York, N. Y., and one-half to Phillips Petroleum Company, Bartlesville, Okla. Safety system for pipe lines. 2,041,863; May 26.

Rice, Walter A., Yonkers, and F. G. Shinn, Bronxville, N. Y. Method and apparatus of weaving knotted fabrics. 2,041,864; May 26.

Richardson, Donald E. (See Fischer, H. G., Muskat, and Richardson.)

Richart, Joy J., et al. (See Hyde, E. C., Jr., and Renfro, assignors.)

Richter, George A., assignor to Brown Company, Berlin, N. H. Refining cellulose fiber for conversion into cellulose derivatives. 2,041,958; May 26.

Riddle, George W., Jr., Chillicothe, Mo. Adhesive tape severing clip. 2,042,360; May 26.

Rideout, John G. (See van Dores, H. L., and Rideout.)

Riebel, Frederick, Jr., and L. W. Child, Toledo, Ohio, assignors, by mesne assignments, to Aerlet Air Conditioner Company, Air conditioner. 2,041,959; May 26.

Rioux, Joseph F., Attleboro, Mass. Combination mirror and comb. 2,041,909; May 26.

Ritter, Leroy L. (See Irick, Haden R., assignor.)

Roach, Nathan, assignor to The Cleveland Brass Manufacturing Company, Cleveland, Ohio. Coupling. 2,042,125; May 26.

Robertson, H. H., Company. (See Sargent, Edward B., assignor.)

Robertson, Robert R., assignor to The Translode Joint Company, Chicago, Ill. Expansion joint and core. 2,041,961; May 26.

Robertson, Thomas J., assignor of one-half to P. C. Ford, Kansas City, Mo. Ventilated plumbing fixture. 2,041,962; May 26.

Robins Conveying Belt Company. (See Robins, Samuel D., assignor.)

Robins, Samuel D., Hewlett, N. Y., assignor to Robins Conveying Belt Company, Passaic, N. J. Screening apparatus. 2,042,072; May 26.

Roe, Charles C., Stockton, Calif. Amperage flow controlling device. 2,042,020; May 26.

Rolen, Carl R., Waukesha, Wis. Apparatus for injecting graphite into engines. 2,042,191; May 26.

Roscer, Louis A. (See Shepherd, Milton S., assignor.)

Rose, Alfred G., Gainsborough, England, assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England. Cigarette package. 2,042,073; May 26.

Rose Brothers (Gainsborough) Limited. (See Rose, Alfred G., assignor.

Rosen, Elliott. (See Smith, Harold A., assignor.)

Rosenberger, Konrad. (See Kaufmann, W., Eckstein, and Rosenberger.)

Roske, Milton H., Wilwaukee, Wis., assignor to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 2,041,701; May 26.

Ross, Ernest. (See Carpenter, A., and Ross.)

Ross, Ralph P., Abilene, assignor to Scientific Sales Methods, Inc., Dallas, Tex. Demonstrating apparatus. 2,042,361; May 26.

Rowe, William L., New Rochelle, assignor to Johns-Manville Corporation, New York, N. Y. Fastening device. 2,041,780; May 26.

Royal Typewriter Company. (See Handley, George F., assignor.)

Rubin, Betty, Brooklyn, assignor to Eagle Boys Suit Corporation, New York, N. Y. Garment for boys. 2,042,192; May 26.

Ruedeman, William. (See Hile, Charles L., assignor.)

Ruemmele, Albert E. (See Westcott, E. J., and Ruemmele.)

Russell, Henry F., Quincy, Mass. Electric incandescent lamp. 2,042,126; May 26.

Rutledge, Charles F., et al. (See Gill, C. C., Julian, McIlwraith, and Rutledge, assignors.)

Ruys, Jan D., and R. L. Kittle, Pittsburg, assignors to Shell Development Company, San Francisco, Calif. Preparation of inhibitors. 2,042,412; May 26.

Ry-Lock Company Ltd. (See Wiener, M. L., and Nelson, assignors.)

Sadenwater, Charles W., assignor to Saginaw Manufacturing Co., Saginaw, Mich. Foldable ironing table. 2,042,074; May 26.

Sadenwater, Charles W., assignor to Saginaw Manufacturing Co., Saginaw, Mich. Foldable ironing table. 2,042,075; May 26.

Sager, Solomon M., Glencoe, Ill. Fountain pen packing unit. 2,041,781; May 26.

Saginaw Manufacturing Co. (See Sadenwater, Charles W., assignor.)

Samuelson, Charles T., Beaumont, Tex. Ship hull construction. 2,041,963; May 26.

Sandalls, George, Jr., North Tarrytown, N. Y., assignor to American Telephone and Telegraph Company. Telephone system. 2,041,964; May 26.

Sanford, Hugh W. (See McCallen, Perry S., assignor.)

Sargent, Edward B., Mount Lebanon, assignor, by mesne assignments, to H. H. Robertson Company, Pittsburgh, Pa. Underfloor wiring conduit system. 2,041,965; May 26.

Santiago, Juan S., San Turce, P. R. Screen holder. 2,042,277; May 26.

Satzinger, Gebhard, Bad Kissingen, Germany. Comminuting machine for foodstuffs. 2,042,161; May 26.

Saunders, Albert D. (See Baumeister, P. A., and Saunders.)

Sayles, Henry S., Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Apparatus for the treatment of gases or vapors with liquids. 2,042,127; May 26.

Schaefer, Joseph K., Hollywood, Calif. Battery terminal clamp. 2,041,966; May 26.

Schane, Edward H., Lakewood, assignor to The Greif Bros. Cooperage Co., Cleveland, Ohio. Wireworking machine and method. 2,042,128; May 26.

Schema, Louis, Kiel, Wis. Stone picker. 2,042,198; May 26.

Schichtel, Georg, Dobriach-on-Millstattersee, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa. Multiple alloys. 2,041,865; May 26.

Schichtel, Georg, Radenthein, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa. Multiple alloys. 2,041,866; May 26.

Schichtel, Georg, Dobriach-on-Millstattersee, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa. Multiple alloys. 2,041,867; May 26.

Schilthuis, Jan J. (See Morkis, A. J. L., and Schilthuis.)

Schlage Lock Company. (See Schlage, Walter R., assignor.)

Schlage, Walter R., assignor to Schlage Lock Co., San Francisco, Calif. Doorlock. 2,041,021; May 26.

Schlage, Walter R., assignor to Schlage Lock Company, San Francisco, Calif. Strike plate. 2,042,024; May 26.

Schlage, Walter R., assignor to Schlage Lock Company, San Francisco, Calif. Lock. 2,042,025; May 26.

Schlegel, Charles P., assignor to The Schlegel Manufacturing Company, Rochester, N. Y. Window channel. 2,042,362; May 26.

Schlegel Manufacturing Company, The. (See Schlegel, Charles P., assignor.)

Schmocker, Fred C., assignor of one-half to L. J. Miller, Oklahoma City, Okla. Coin wrapper. 2,042,022; May 26.

Schneider, George, Montclair, N. J., assignor to Celanese Corporation of America. Textile process. 2,041,726; May 26.

Schneider, George, Montclair, N. J., assignor to Celanese Corporation of America. Treating textile material and product thereof. 2,041,868; May 26.

Schoeller, Conrad, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Stripping dyeings prepared with vat dyestuffs. 2,042,194; May 26.

Schönhöfer, Fritz, and H. Henecka, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Quaternary heterocyclic urea compounds and manufacture thereof. 2,042,023; May 26.

Schoorel, Adam, New York, N. Y., assignor to Francis Keil & Son, Inc. Lock construction. 2,042,026; May 26.

Schouwstra, Pieter, Eindhoven, Netherlands, assignor to General Electric Company, Gaseous electric discharge device. 2,042,162; May 26.

Schrauth, Walther, Berlin-Dahlem, Germany, assignor, by mesne assignments, to "Unichem" Chemikalien Handels A.-G., Zurich, Switzerland. Solving, softening, and gelatinizing agents. 2,042,413; May 26.

Schroder, Frederick W., and M. Willis, New Orleans, La., assignors to R. J. Dorn Co., Inc. Corrugated sheet and making same. 2,041,967; May 26.

Schur, Milton O., assignor to Brown Company, Berlin, N. H. Manufacture of rubber-reenforced waterlaid webs of fiber. 2,041,968; May 26.

Schwades, Arthur H. (See Emmert, J. R., and Schwades.)

Scientific Sales Methods, Inc. (See Ross, Ralph P., assignor.)

Scott, William J., Hillmorton Paddox, Rugby, England, assignor to General Electric Company. Electric discharge device. 2,042,195; May 26.

Searing, Hudson R. (See Powers, R. E., and Searing.)

Sell, Gilbert E., Cynwyd, Pa. High temperature refractory cement. 2,042,363; May 26.

Semon, Waldo L., Silver Lake Village, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Preparation of secondary amines. 2,041,782; May 26.

Senz, Nichols H., Portland, Oreg. Scarifier. 2,042,196; May 26.

Servel, Inc. (See Munters, Carl G., assignor.)

Servel, Inc. (See Nave, Alfred E., assignor.)

Servel, Inc. (See Wenander, Erik, assignor.)

Sexton, Wilfred A. (See Coffey, S., and Sexton.)

Sexton, Wilfred A. (See Coffey, S., Lapworth, and Sexton.)

Seymour, George W. (See Blake, G. R., and Seymour.)

Seymour, George W., Cumberland, Md., assignor to Celanese Corporation of America. Oxidized oil for artificial textile materials. 2,041,729; May 26.

Seymour, George W., Cumberland, Md., assignor to Celanese Corporation of America. Producing a synthetic resin. 2,041,783; May 26.

Seymour, James M., Newark, N. J. Temperature modifier for protecting growing crops. 2,041,969; May 26.

Shaffer, Frederick S., Cincinnati, Ohio. Garment hanger. 2,042,240; May 26.

Shambow Shuttle Company. (See Hampson, Walter, assignor.)

Shenfield, Raymond A., Boston, Mass. Air conditioning equipment. 2,041,870; May 26.

Shell Development Company. (See Deanesly, Richard M., assignor.)

Shell Development Company. (See Evans, T., and Edlund, assignors.)

Shell Development Company. (See Groll, H. P. A., and Burgin, assignors.)

Shell Development Company. (See Groll, H. P. A., and de Jong, assignors.)

Shell Development Company. (See Groll, H. P. A., and Hearne, assignors.)

Shell Development Company. (See Groll, H. P. A., and Kautter, assignors.)

Shell Development Company. (See GroH. H. P. A., and Ott, assignors.)

Shell Development Company. (See Hagenbuch, Walter, assignor.)

Shell Development Company. (See Krekeler, Karl, assignor.)

Shell Development Company. (See Ruys, J. D., and Kittle, assignors.)

Shepherd, Milton S., assignor of forty percent to L. A. Roser, Salt Lake City, Utah. Compressor valve and cage. 2,041,970; May 26.

Shoplin, Frank, and G. Macchianich, Jersey City, N. J. Lifesaving equipment for submarines. 2,041,971; May 26.

Sherman, Clifton W., Hamilton, Ontario, Canada, assignor to Adirondack Steel Foundries Corporation, Watervliet, N. Y. Car truck bolster. 2,042,129; May 26.

Sherwood, Aaron W., Marietta, Ohio. Conduit. 2,041,972; May 26.

Sherwood, Laurence T., Connellsville, Pa. Incinerator. 2,041,973; May 26.

Shickman, Abe J., and W. A. Thum, assignors to The Vari-Color Machine Co., St. Louis, Mo. Printing mechanism. 2,041,730; May 26.

Shinn, Frank G. (See Rice, W. A., and Shinn.)

Shore, Roscoe W., Jackson Heights, N. Y., assignor to A. J. Chamberlain, Milwaukee, Wis. Pouring spout for containers. 2,041,784; May 26.

Shults, William M., Eureka, Kans. Blanket for printing presses. 2,042,076; May 26.

Siebenbürger, Hugo, Basel, Switzerland, assignor to firm of Society of Chemical Industry in Basle, Basel, Switzerland. Sulphonated dyestuff and making same. 2,041,871; May 26.

Silicox, Lewis K., Watertown, N. Y., assignor to The New York Air Brake Company. Fluid pressure brake. 2,041,872; May 26.

Simons, Louis J., New York, N. Y., assignor, by mesne assignments, to National Television Corporation. Sound on film reproduction. 2,042,027; May 26.

Simpson, Charles A., San Francisco, Calif. Engine. 2,042,364; May 26.

Singer, Egon. (See Lifschitz, Benjamin D., assignor.)

Skutch, William G., assignor to The Closure Service Company, Toledo, Ohio. Double shell cap for containers. 2,042,028; May 26.

Sloan, Edward C., assignor to J. B. Hawley, Geneva, Ill. Joined fibrous bodied article and producing same. 2,041,974; May 26.

Sloan, William E., Chicago, Ill. Shower bath apparatus. 2,042,278; May 26.

Smead, Edward L., assignor to Henex, S. A., Mexico, D. F., Mexico. Boiler cleaning composition. 2,042,130; May 26.

Smith, Clifford D., Fairlawn, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Rail wiper. 2,042,029; May 26.

Smith, Franklin D., Webster Groves, and L. Grosch, assignors to Monsanto Chemical Company, St. Louis, Mo. Apparatus for testing pharmaceutical tablets. 2,041,869; May 26.

Smith, Harold A., assignor of one-half to E. Rosen, St. Paul, Minn. Coin selector and slug rejecter. 2,041,785; May 26.

Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,042,163; May 26.

Smyser, Falor E. (See Folsom, E. C., and Smyser.)

Sobatzki, Raymond J., Philadelphia, Pa., and J. C. Kinahan, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Preparing dimethoxydibenzanthrone. 2,042,414; May 26.

Societe Anonyme Du Servo Frein Dewandre. (See Dewandre, Albert, assignor.)

Society of Chemical Industry in Basle. (See Gyr, J., and Kaiser, assignors.)

Society of Chemical Industry in Basle. (See Siebenbürger, Hugo, assignor.)

Socony-Vacuum Corporation. (See Prutzman, Paul W., assignor.)

Socony-Vacuum Company. (See Traver, Alfred E., assignor.)

Soden, Fred H., assignor to Continental Optical Company, Inc., Rochester, N. Y. Combined eyeglass pad and support. 2,041,975; May 26.

Southern Steel Company. (See White, Lord J., assignor.)

Southgate, George T., Forest Hills, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Brush structure. 2,042,279; May 26.

Spacie, Thomas. (See Charter, J. A., and Spacie.)

Speer Carbon Company. (See Benia, A. S., and May, assignor.)

Speer Carbon Company. (See McQueer, Bert H., assignor.)

Spencer, Thomas A., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching system. 2,041,873; May 26.

Spiess, Georg, Leipzig, Germany. Feed regulating device. 2,042,131; May 26.

Spranger, Vernon J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Manufacture of dipped goods. 2,041,788; May 26.

Stalker, Edward A., Ann Arbor, Mich. Boundary layer control for wings. 2,041,786; May 26.

Stalker, Edward A., Ann Arbor, Mich. Aircraft. 2,041,787; May 26.

Stalker, Edward A., Ann Arbor, Mich. Aircraft. 2,041,789; May 26.

Stalker, Edward A., Ann Arbor, Mich. Aircraft. 2,041,790; May 26.

Stalker, Edward A., Ann Arbor, Mich. Aircraft. 2,041,791; May 26.

Stalker, Edward A., Ann Arbor, Mich. Aircraft. 2,041,792; May 26.

Stalker, Edward A., Ann Arbor, Mich. Slotted wing. 2,041,793; May 26.

Stalker, Edward A., Ann Arbor, Mich. Aircraft. 2,041,794; May 26.

Stalker, Edward A., Ann Arbor, Mich. Aircraft. 2,041,795; May 26.

Stalker, Edward A., Ann Arbor, Mich. Aircraft. 2,041,796; May 26.

Standard Equipments, Inc. (See Greenwood, Richard F., assignor.)

Standard-I. G. Company. (See Davis, Garland H. B., assignor.)
Standard-I. G. Company. (See Haslam, Robert T., assignor.)
Standard Oil Development Company. (See Bue, Hyym E., assignor.)
Standard Oil Development Company. (See Ellis, Carleton, assignor.)
Standard Oil Development Company. (See Frolich, P. K., and Wiczevich, assignors.)
Standard Oil Development Company. (See Pollock, John E., assignor.)
Standish, John C., Rensselaer, N. Y. Lapping cloth. 2,041,976; May 26.
Staton, John W., et al. (See Kettleband, George F., assignor.)
Staton, J. William, et al. (See Kettleband, George F., assignor.)
Steelcraft, Inc. (See La Valley, Tennis J., assignor.)
Steel Heddle Manufacturing Company. (See Ragan, Ralph, assignor.)
Steward, Arthur B. (See Jeffries, H. W., and Steward.)
Stewart, John E. (See Praetorius, E., and Stewart.)
Stewart, John Q. (See Frantz, S. G., and Stewart.))
Stimpson, Wallace L., and F. E. Douglas, assignors to Draper Corporation, Hopedale, Mass. Loom temple. 2,042,415; May 26.
Stockelbach, Frits E. Montclair, N. J. Composition for preventing sunburn. 2,041,874; May 26.
Stockholm, Charles A., Beaumont, Tex. Level and inclinometer. 2,042,365; May 26.
Stoller, Hugh M., Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multiple speed motor. 2,041,875; May 26.
Stoneback, Samuel A., Philadelphia, Pa. Window glass insulation system. 2,042,077; May 26.
Stoner, Arthur M., West Hartford, assignor to The Jacobs Manufacturing Company, Hartford, Conn. Drill chuck. 2,042,197; May 26.
Stowell, Frank C., Medford, Mass. Track working machine. 2,041,876; May 26.
Streckfuss, Elmer G. (See Lensky, G. A., and Streckfuss.)
Strömberg-Carlson Telephone Manufacturing Company, The. (See Olney, B., and Veal, assignors.)
Stuart, Lemuel M., Brooklyn, assignor to Ford Instrument Company, Inc., Long Island City, N. Y. Movement checking mechanism. 2,042,280; May 26.
Sturtevant, B. F., Company. (See Allen, George W. and L. B., assignors.)
Suhm, Charles E., and L. S. Ankenbruck, Houston, Tex., assignors of one-fourth to A. Cossette and one-fourth to P. J. Hesse, both of Harris County, Tex. Pump rod assembly. 2,042,078; May 26.
Sullivan Machinery Company. (See Holmes, Morris P., assignor.)
Sullivan Machinery Company. (See Lamberton, Ralph E., assignor.)
Sullivan Machinery Company. (See Nygren, Carl O., assignor.)
Sullivan Machinery Company. (See Wilcox, Albert C., assignor.)
Sundberg, Carl E., Quincy, assignor to Albert & J. M. Anderson Manufacturing Company, Boston, Mass. Time switch. 2,041,797; May 26.
Sundstrand, Oscar J., Rockford, assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Calculating machine. 2,041,977; May 26.
Svendsen, Svend S., Madison, Wis., assignor, by mesne assignments, to Burgess Titanium Company. Manufacture of titanium compounds. 2,042,434; May 26.
Svendsen, Svend S., Madison, Wis., assignor, by mesne assignments, to Burgess Titanium Company. Treatment of titanium-bearing materials. 2,042,435; May 26.
Svendsen, Svend S., assignor to Burgess Titanium Company, Madison, Wis. Purification of titanium compounds. 2,042,436; May 26.
Swank, Calvin P., Philadelphia, Pa. Loose leaf folder. 2,042,366; May 26.
Swauger, John S., Turtle Creek, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Suction box cover. 2,042,198; May 26.
Swift, Howard E., assignor to The Martin Trailer Company, Westfield, Mass. Automotive vehicle. 2,042,079; May 26.
Taheny, Thomas J., Pawtucket, R. I. Nonrefillable bottle. 2,042,367; May 26.
Tainton Research Corporation. (See Tainton, Urlyn C., assignor.)
Tainton, Urlyn C., Baltimore, Md., assignor to Tainton Research Corporation. Laminated article. 2,042,030; May 26.
Taylor, Dudley F., Indianapolis, Ind., assignor to Continental Optical Company, Inc., Rochester, N. Y. Device for securing or separating parts held together by a fusible material. 2,041,978; May 26.
Taylor, Francis M. (See Brooks, W. H., and Taylor.)
Taylor, Joseph L., Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y. Thread and/or fabric. 2,042,437; May 26.
Taylor, William L., Spondon, near Derby, England, assignor to Celanese Corporation. Production of artificial materials. 2,041,798; May 26.
Tear, James D. (See Poltras, E. J., and Tear.)
Telephon-Apparat-Fabrik E. Zwietusch & Co. G. m. b. H. (See Binlek, Georg, assignor.)
Texas Company, The. (See Colmar, Robert I., assignor.)
Texas Company, The. (See Jefferson, Do, assignor.)
Textile Machine Works. (See Gastrich, Gustav, assignor.)
Theaman, Herman. (See Putt, Earl B., assignor.)
Thege, Edvin O. P., assignor to Aktiebolaget Atlas Diesel, Stockholm, Sweden. Anchoring cylinders in engines with angularly disposed cylinders. 2,041,979; May 26.
Thomas, Adolph A., New York, N. Y., assignor to General Electric Vapor Lamp Co., Hoboken, N. J. Electric lamp. 2,042,199; May 26.
Thompson, Almer J. (See Benner, R. C., Easter, and Thompson.)
Thompson, Joseph S., Palo Alto, and B. E. Menzies, San Mateo, assignors to Pacific Electric Manufacturing Corporation, San Francisco, Calif. Disconnecting switch. 2,041,877; May 26.
Thompson, William, Fisk, Mo. Brake. 2,041,980 May 26.
Thum, Walter A. (See Shickman, A. J., and Thum.)
Timken-Detroit Axle Company, The. (See Keese, Beverly W., assignor.)
Toehl, Hermann. (See Kalkbrenner, R., and Toehl.)
Torp, Raymond N., Union, N. J. Removable tooth mounting for dental models. 2,042,200; May 26.
Translode Joint Company, The. (See Robertson, Robert R., assignor.)
Transportation Systems, Inc. (See Main, David W., assignor.)
Traver, Alfred E., Brooklyn, assignor to Socony-Vacuum Company, Incorporated, New York, N. Y. Comparative colorimeter. 2,042,281; May 26.
Tremouroux, Constantin E. (See Tremouroux, Constantin F. and C. E.
Tremouroux, Constantin F. and C. E., Ernage, Belgium. Reeper-binder. 2,041,981; May 26.
Treskow, Robert, Berlin-Steglitz, Germany. Pipe joint. 2,042,132; May 26.
Troy, Daniel, Montgomery, Ala., assignor to U-Need-A-Pak Products Corporation, Brooklyn, N. Y. Coin controlled apparatus. 2,041,878; May 26.
Turner, Frank, New York, N. Y. String musical instrument. 2,042,080; May 26.
Turnock, Lawrence C., Cleveland Heights, Ohio. Support. 2,042,241; May 26.
Tworoger, Theodore S., Johnston, N. Y. Pocket. 2,042,282; May 26.
Uline, Migiel J., Washington, D. C. Ice scoring machine. 2,042,368; May 26.
Ulrich, Horace W., Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,041,879; May 26.
Underwood, Curtis E., Fisher, Ill. Grain drill attachment for disk harrows. 2,042,133; May 26.
Underwood Elliott Fisher Company. (See Smith, Jesse A. B., assignor.
Underwood Elliott Fisher Company. (See Sundstrand, Oscar J., assignor.)
U-Need-A-Pak Products Corporation. (See Troy, Daniel, assignor.)
"Unichem" Chemikalien Handels A.-G. (See Schrauth, Walther, assignor.)
Union Carbide and Carbon Corporation. (See Kinzel, Augustus B., assignor.)
Union Carbide and Carbon Corporation. (See Southgate, George T., assignor.)
United Research Corporation. (See Carpenter, A., and E. Ross, assignors.)
United Shoe Machinery Corporation. (See Cavanagh, James, assignor.)
United Shoe Machinery Corporation. (See Davis, Hiotte A., assignor.)
United Shoe Machinery Corporation. (See Morrill, Alfred R., assignor.)
United Shoe Machinery Corporation. (See Pym, Charles F., assignor.)
United Shoe Machinery Corporation. (See Roske, Milton H., assignor.)
United States Glass Company. (See Ilgenfritz, Curtis B., assignor.)
United States Gypsum Company. (See Manske, Fred A., assignor.)
United States Printing & Lithograph Co., The. (See Koeble, Albert H., assignor.)
Universal Insulation Company. (See Ericson, Richard, assignor.)
Valtat, Raymond L. A., Paris, France, assignor to International Business Machines Corporation, New York, N. Y. Card for statistical machines and manufacturing said card. 2,041,880; May 26.
Valtat, Raymond L. A., Paris, France, assignor to International Business Machines Corporation, New York, N. Y. Control cards for statistical machines. 2,041,881; May 26.
Van Arkel, Anton E., and H. J. M. van Embden, Eindhoven, Netherlands, assignors to Radio Corporation of America. Electrolytic condenser. 2,042,283; May 26.
Vandegrift, James N., New York, N. Y., assignor, by mesne assignments, to Coal Products Company of Delaware, Philadelphia, Pa. Retort construction. 2,041,882; May 26.

Vandegrift, James N., and C. Postel, New York, and C. V. Linn, Bay Shore, N. Y., assignors, by mesne assignments, to Coal Products Company of Delaware, Philadelphia, Pa. Apparatus for producing fuel. 2,041,883; May 26.
Van Deusen, Donald E., and H. Berg, assignors to The Kelly Reamer Company, Cleveland, Ohio. Inserted blade type cutter. 2,042,081; May 26.
Van Doren, Harold L., and J. G. Rideout, assignors to The American-National Company, Toledo, Ohio. Sled. 2,041,982; May 26.
Van Embden, Hendrik J. M. (See Van Arkel, A. E., and van Embden.)
Van Ness, Russell T. (See Pyle, Cyrus, 3d, and Van Ness.)
Van Ranst, Cornelius W., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 2,041,983; May 26.
Vardell, Lonnie L., assignor of one-fourth to J. H. Law, and one-fourth to J. B. Reasons, Puxico, Mo. Air cushion horse collar. 2,042,082; May 26.
Vari-Color Machine Co., The. (See Shickman, A. J., and Thum, assignors.)
Vaughen, John V. (See Lazier, W. A., and Vaughen.)
Veal, Gentry. (See Olney, B., and Veal.)
Vetorino, Frank, assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Spot welding apparatus. 2,041,984; May 26.
Visser, Leonard. (See Hallquist, E. G., and Visser.)
Vogel, Abe, et al. (See Fischer, Carl, assignor.)
Von Kilian, Albert, Frankfort-on-the-Main, Germany. One-button switch. 2,042,369; May 26.
Vorech, Stephen, and S. Johnson, Jr., assignors to Bendix Wentinghouse Automotive Air Brake Company, Pittsburgh, Pa. Brake mechanism. 2,041,884; May 26.
Voss, Walter K., Davenport, Iowa. Washing machine. 2,042,242; May 26.
Walch, Henri, Paris, France, assignor to Aktiebolaget Separator-Nobel, Stockholm, Sweden. Dewaxing mineral oils. 2,041,885; May 26.
Waldron, John, Corporation. (See Kaiser, Frank F., assignor.)
Walker, Frank L. (See Flewelling, Edmund T., assignor.)
Walker, Frank R., Glencoe, Ill. Metal support for wooden building construction. 2,042,370; May 26.
Walker, John C., Eldorado, Kans., assignor to Empire Oil & Refining Company, Bartlesville, Okla. Producing hydrocarbon oxygen compounds. 2,042,134; May 26.
Wallace, Thomas P., Portland, Maine. Mop. 2,041,985; May 26.
Wallerstein Company. (See Wallerstein, L., and Pfannmuller, assignors.)
Wallerstein, Leo, New York, N. Y., and J. Pfannmuller, North Plainfield, N. J., assignors to Wallerstein Company, Inc., New York, N. Y. Production of leather. 2,041,731; May 26.
Wallerstein, Leo, New York, N. Y., and J. Pfannmuller, North Plainfield, N. J., assignors to Wallerstein Company, Inc., New York, N. Y. Leather manufacturing. 2,041,732; May 26.
Walper, Curry O., Hamilton, Ontario, Canada. Exposed corner in wallboard construction. 2,041,799; May 26.
Walper, Curry O., Hamilton, Ontario, Canada. Wallboard joint construction. 2,041,800; May 26.
Walton, Ernest B., West Palm Beach, Fla. Reenforced slate tile. 2,041,886; May 26.
Ward, George W., Buffalo, N. Y. Soap chip dispenser. 2,041,887; May 26.
Warren, Kenneth W., assignor to Bendix Aviation Corporation, South Bend, Ind. Shock absorbing strut. 2,042,371; May 26.
Waters, Daniel V. (See Bouget, Y. A., and Waters.)
Watson, Charles E. H., West Dulwich, London, England. Plotting device. 2,042,031; May 26.
Watson, Edgar, Towson, Md., assignor, by mesne assignments, to The Nelson Corporation, Baltimore, Md. Method and machine for making diagonally corrugated board. 2,042,243; May 26.
Watson, Roy A., Ashland, Ohio. Vacuum device. 2,042,372; May 26.
Watts, Richard E., Stamford, England. Driving mechanism for engines, compressors, pumps, and other machines. 2,042,083; May 26.
Webster, Ralph W., London, England. Mounting of thermographs on sterilizers. 2,042,032; May 26.
Weed, Charles F., East Douglas, Mass. Folding table. 2,042,326; May 26.
Weindel, Fred, Jr., assignor to L. F. Grammes & Sons, Inc., Allentown, Pa. Emblem. 2,042,416; May 26.
Wells, Don W., El Centro, Calif. Building construction. 2,042,438; May 26.
Wells, George W., et al. (See Becklin, Herman O., assignor.)
Wenander, Erik, Motala, Sweden, assignor, by mesne assignments, to Servel, Inc., Dover, Del. Refrigerator. 2,042,373; May 26.
Werntz, James H., Marshalltown, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Plastic composition. 2,041,733; May 26.
Westcott, Ellsworth J., and A. E. Ruemmele, assignors to Freyn Engineering Company, Chicago, Ill. Combination mash and lauter tank. 2,042,284; May 26.
Western Electric Company. (See Bouget, Y. A., and Waters, assignors.)
Western Electric Company. (See Layton, Roy F., assignor.)
Westinghouse Air Brake Company, The. (See Aikman, Burton S., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Good, John N., assignor.)
Westinghouse Air Brake Company, The. (See Hull, John B., assignor.)
Westinghouse Air Brake Company, The. (See Logan, John W., Jr., assignor.)
Westinghouse Air Brake Company, The. (See Lynn, E. K., and Bush, assignors.)
Westinghouse Air Brake Company, The. (See McCune, Joseph C., assignor.)
Westinghouse Electric Elevator Company. (See Eames, William F., assignor.)
Westinghouse Electric Elevator Company. (See Williams, H. W., and Eames, assignors.)
Westinghouse Electric & Manufacturing Company. (See Brown, J. L., and Harding, assignors.)
Westinghouse Electric & Manufacturing Company. (See Calvert, John F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Clay, Noble S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Cook, Willard G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Glaister, P. J., and Rawlins, assignors.)
Westinghouse Electric & Manufacturing Company. (See Harpster, Clyde C., assignor.)
Westinghouse Electric & Manufacturing Company. (See Knowles, Dewey D., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lockwood, Edwin H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lübcke, Ernst, assignor.)
Westinghouse Electric & Manufacturing Company. (See Lyle, Frederick W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Powers, R. E., and Searing, assignors.)
Westinghouse Electric & Manufacturing Company. (See Swauger, John S., assignor.)
Weston Electrical Instrument Corporation. (See Lamb, Anthony H., assignor.)
Wetmore, Paul S., assignor to Benicia Fisheries, Benicia, Calif. Fish pack and packing fish. 2,041,986; May 26.
Whalley, George E., Chicago, Ill., assignor to Robert Gaylord, Incorporated, St. Louis, Mo. Shipping case. 2,042,135; May 26.
Wheeler, Clyde H., Midland Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin collector apparatus. 2,041,888; May 26.
Wheeler, Harley T., Dallas, Tex. Method to form packing rings by crimping a plait of material into helical winds. 2,041,889; May 26.
Wheeling Steel Corporation. (See Reno, Robert E., Jr., assignor.)
White Cap Company. (See White, William P., assignor.)
White, John W., Detroit, Mich., assignor, by mesne assignments, to General Motors Corporation. Brake mechanism. 2,041,890; May 26.
White, Loyd J., San Antonio, Tex., assignor to Southern Steel Company. Storage and dispensing apparatus for liquefied gases. 2,042,430; May 26.
White, William P., Glencoe, assignor to White Cap Company, Chicago, Ill. Package sealing apparatus. 2,041,891; May 26.
Whitehall Patents Corporation. (See Marinsky, Davis, assignor.)
Whitescarver, Charles T., assignor to A. C. Fisher, Chicago, Ill. Tunnel liner. 2,042,327; May 26.
Whitman, Channing, Buffalo, assignor to Flexlume Corporation, Tonawanda, N. Y. Beacon. 2,041,801; May 26.
Wickstrom, Edgar A., Superior, Wis. Load weighing vehicle. 2,041,987; May 26.
Wiegand, Kurt, Berlin-neu-Tempelhof, Germany, assignor to General Electric Company. Gaseous electric discharge device. 2,042,136; May 26.
Wiener, Martin L., and W. F. Nelsen, assignors to Ry-Lock Company Ltd., San Leandro, Calif. Venetian blind control mechanism. 2,041,892; May 26.
Wiezevich, Peter J. (See Frolich, P. K., and Wiezevich.)
Wilcox, Albert C., Bridgeport, Ohio, assignor to Sullivan Machinery Company. Loading machine. 2,041,734; May 26.
Wild, Charles H., assignor to Burt Machine Company, Incorporated, Baltimore, Md. Labeling machine for cylindrical and similar packages. 2,042,164; May 26.
Wilke, Ernst, Heidelberg, and F. Fried, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of carbon monoxide and hydrogen from methane. 2,042,285; May 26.
Willett, Lorey C., et al. (See Becklin, Herman O., assignor.)
Willett, Thomas H., et al. (See Becklin, Herman O., assignor.)
Williams, Harold W., Chicago, Ill., and W. F. Eames, Pittsburgh, Pa., assignors to Westinghouse Electric Elevator Company, Chicago, Ill. Signal system for elevators. 2,042,201; May 26.

Willis, Martin. (See Schroder, F. W., and Willis.)
Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Shipping container. 2,042,440; May 26.
Willoughby, Victor, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Shipping container. 2,042,441; May 26.
Wilson, David T., Toronto, Ontario, Canada. Wrench. 2,042,137; May 26.
Wilson Fastener Company, The. (See Wilson, Frank E., assignor.)
Wilson, Frank E., East Cleveland, assignor to The Wilson Fastener Company, Cleveland, Ohio. Fastener tape. 2,042,286; May 26.
Wilson, J. G., Corp., The. (See Winn, John F., Jr., assignor.)
Wilson, James R., Mountain Lakes, N. J., J. T. Acker, Queens Village, and C. D. Hartman, Forest Hills, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron emitter. 2,041,802; May 26.
Wilson, Robert F., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire repair patch. 2,041,988; May 26.
Winchester Repeating Arms Company. (See Foisy, George A., assignor.)
Winchester Repeating Arms Company. (See Pugsley, Edwin, assignor.)
Winkler, Franz, Schweinfurt, Germany. Freewheel hub with coaster brake and brake-locking device. 2,041,893; May 26.
Winn, John F., Jr., assignor to The J. G. Wilson Corp., Norfolk, Va. Automatic door guiding mechanism. 2,042,064; May 26.
Winninghoff, Wilford J., South Orange, assignor to General Electric Vapor Lamp Company, Hoboken, N. J. Gaseous electric discharge lamp. 2,042,244; May 26.
Winthrop Chemical Company. (See Schönhöfer, F., and Henecka, assignors.)
Wise, Harry E., Canton, assignor of ninety one-hundredths to A. F. Curtis, Alliance, Ohio. Roller bearing. 2,042,417; May 26.
Witte, William, Glen Rock, assignor to National Dyeing & Printing Company, Paterson, N. J. Decorating fabric. 2,042,033; May 26.
Wolff, Charles J., San Antonio, Tex. Well pumping unit. 2,041,803; May 26.
Woodward, Emmett E., San Mateo, assignor to J. P. Callahan, San Francisco, Calif. Automobile side wing. 2,041,804; May 26.
Wuertz, Alexander J., Carrollville, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Anthraquinone derivatives and preparing the same. 2,042,165; May 26.
Winsch, Guido, Berlin-Steglitz, Germany, and A. J. D. Humby, Ipswich, England, assignors to Askania-Werke A. G. vormals Central Werkstatt Dessau und Carl Bamberg-Friedenau. Apparatus for regulating and/or measuring the flow of fluids. 2,042,374; May 26.
Wyman, Daniel E., assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa. Oil burner. 2,042,034; May 26.
Yager, George F., and O. J. Heath, assignors to The Bunting Brass and Bronze Company, Toledo, Ohio. Broaching machine. 2,041,894; May 26.
Young, Marvin S., Scarsdale, N. Y. Combination inflow controlling and fluid discharge means. 2,041,735; May 26.
Zeiss, Firm Carl. (See Eppenstein, Otto, assignor.)
Zitterbaum, Hyman, et al. (See Fischer, Carl, assignor.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 26TH DAY OF MAY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Cleaning apparatus, Dry. H. F. Silver. 19,986; May 26.
Derrick post, Oil field. L. C. Moore. 19,982; May 26.
Die-sinking machine, Pattern controlled. B. Sassen. 19,985; May 26.
Dipper, Excavating. W. M. Bager. 19,979; May 26.
Discharge head for fluid containers. S. B. Allen and J. E. Rennert. 19,978; May 26.
Holder for pictures or the like, Corner. L. Rado. 19,983; May 26.
Refrigerating apparatus. W. F. Swezey. 19,988; May 26.
Road working machine. I. M. Wells and H. A. Olds. 19,987; May 26.
Signal, Combined vehicle. L. H. Tucker. 19,990; May 26.
Slot and slug for check controlled apparatus. H. Goets. 19,981; May 26.
Speed cutting mechanism, Variable. G. W. Swift, Jr. 19,989; May 26.
Steam generator. W. Abendroth. 19,977; May 26.
Tobacco, Treating. M. Rosenberg. 19,984; May 26.
Tuyère. G. Fox and A. J. Whitcomb. 19,980; May 26.

LIST OF DESIGN INVENTIONS

Bag, Traveling. B. Laufman. 99,814; May 26.
Blouse. S. Goldstein. 99,789; May 26.
Board, Stock quotation. C. S. Newhard. 99,822; May 26.
Bottle. C. F. Hires, Jr. 99,839; May 26.
Bottle. F. McLaughlin. 99,819; May 26.
Bowl or similar article, Glass floral. T. C. Heisey. 99,799; May 26.
Box or similar article, Ring. M. C. Meyer. 99,821; May 26.
Bread toast. S. S. Langendorf. 99,813; May 26.
Buckle. E. M. Meyer and D. Levin. 99,820; May 26.
Buckle. S. Putman. 99,823–4; May 26.
Cap, Bathing. J. Jurle. 99,812; May 26.
Cart, Refreshment. W. Hoffmann. 99,804; May 26.
Casing, Directional signal. J. R. Haines. 99,797; May 26.
Chair, Swivel. W. Hoffmann. 99,802; May 26.
Christmas tree, Imitation. H. Siemund. 99,833; May 26.
Coat. J. Leiterman. 99,815; May 26.
Connecter body, Electrical. C. E. Gilbert. 99,787; May 26.
Crystal or similar article. P. Cohn. 99,779; May 26.
Dish. S. A. Scaman. 99,827; May 26.
Fabric, Knitted pile. S. H. Albel. 99,769–72; May 26.
Fabric or similar article, Textile. W. Cleverly. 99,777; May 26.
Fabric, Textile. O. J. Cahn. 99,776; May 26.
Flashlight. H. G. Graubner. 99,791–4; May 26.
Frame, Chaise longue. W. Hoffmann. 99,803; May 26.
Heater, Radiant. H. L. Van Doren. 99,836; May 26.
Holder or similar article, Flower. R. F. Duryea. 99,783; May 26.
Lighter. J. Galter. 99,786; May 26.
Motorcycle side car body. F. C. Sharp. 99,831; May 26.
Muddler. T. E. Pennington. 99,825; May 26.
Piano. C. A. Jacob, Jr. 99,810–11; May 26.
Plate for check writers, Index. J. P. Hunter. 99,808; May 26.
Rack for windshield cleaning compounds. J. G. Haglock. 99,796; May 26.
Radiant heater. R. C. Deigert. 99,780–82; May 26.
Restaurant, Service station. T. T. Record. 99,826; May 26.
Sadiron or similar article. R. I. Huffman. 99,806; May 26.
Sadiron shell. R. I. Huffman. 99,807; May 26.
Sandal. C. Tweedle. 99,835; May 26.
Scoop. R. M. Shultz. 99,832; May 26.
Settee, Bowling Alley. F. Birren. 99,774; May 26.
Shade, Lamp. A. H. White. 99,768; May 26.
Shoe. F. Faleck. 99,784; May 26.
Shoe. W. Goldstein. 99,790; May 26.
Shoe. H. H. Grossman. 99,795; May 26.
Shoe. A. Hyatt. 99,809; May 26.
Shoe. H. Shapiro. 99,829–30; May 26.
Shoe, Juvenile. L. J. Golden. 99,788; May 26.
Shoe or similar article. S. Troy. 99,834; May 26.
Slipper. H. Feifer. 99,785; May 26.
Smoking set and ash receptacle, Combined. R. Madler. 99,816; May 26.
Spoon or other article of flatware. W. S. Warren. 99,837; May 26.
Spoon or similar article. G. N. Allen, L. E. Resegger, and W. H. Gerth. 99,773; May 26.
Stoker housing. J. E. Martin. 99,817; May 26.
Strap, Lens. S. E. Bouchard. 99,775; May 26.
Table. W. Hoffmann. 99,801; May 26.
Toy machine gun. L. Marx. 99,818; May 26.
Tube holding and dispensing device. J. Schor and J. R. Skoverski. 99,828; May 26.
Vase or similar article of glassware, Glass. T. C. Heisey. 99,798; May 26.
Vault, Burial. H. Cohen. 99,778; May 26.
Vending machine slug or similar article. R. B. Wiggins. 99,838; May 26.
Water closet. T. C. Hobbs. 99,800; May 26.
Wheel. H. J. Horn. 99,805; May 26.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 26TH DAY OF MAY, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Absorbent for refrigerants. F. R. Bichowsky. 2,041,741; May 26.
Accelerator of vulcanization. A. F. Hardman. 2,042,048; May 26.
Accelerators of vulcanization. A. F. Hardman. 2,042,047; May 26.
Acetylene gas generator. F. G. Fockler. 2,042,093; May 26.
Acid and manufacturing the same, Benzyl substituted salicylic. L. P. Kyrides. 2,042,343; May 26.
Acid bodies and making same, Sulphonic. J. O. Peirce. 2,042,410; May 26.
Acid esters, Recovery of organic. T. Evans and K. R. Edlund. 2,042,218; May 26.
Adapter plate for applying pressure to forks for shearing machines. F. G. Bristow. 2,042,295; May 26.
Adhesive tape severing clip. G. W. Riddle, Jr. 2,042,360; May 26.
Adjustable mechanism for oscillating electric fans. J. J. Gough. 2,041,921; May 26.
Adjustable table. W. G. Lundquist. 2,041,772; May 26.
Advertising sign. G. Michaus. 2,042,268; May 26.
Air conditioner. F. Riebel, Jr., and L. W. Child. 2,041,959; May 26.
Air conditioning apparatus. G. Campbell. 2,042,141–2; May 26.
Air conditioning equipment. R. A. Sheffield. 2,041,870; May 26.
Aircraft. E. A. Stalker. 2,041,787; May 26.
Aircraft. E. A. Stalker. 2,041,789–92; May 26.
Aircraft. E. A. Stalker. 2,041,794–6; May 26.
Air humidifier and cleaner. H. S. Baldwin. 2,042,289; May 26.
Air-metering device. F. H. Ragan. 2,042,190; May 26.
Airplane construction. G. E. Barnhart. 2,041,688; May 26.
Alcohol to carbonyl compound, Converting a polyhydric. H. P. A. Groll and G. Hearne. 2,042,224; May 26.
Alcohols and products thereof, Production of tertiary. R. M. Deanesly. 2,042,212; May 26.
Alcohols, Catalytic oxidation of unsaturated. H. P. A. Groll and H. W. de Jong. 2,042,220; May 26.
Alcohols from their ketones, Separation of cyclic. T. S. Carswell. 2,042,332; May 26.
Alcohols to carboxylic compounds, Conversion of halogenated. H. P. A. Groll and C. T. Kautter. 2,042,225; May 26.
Aldehydes, Production of. P. K. Frolich and P. J. Wiezevich. 2,042,303; May 26.
Alloy. R. H. Leach. 2,042,155; May 26.
Alloys, Multiple. G. Schichtel. 2,041,865–6–7; May 26.
Amines, Preparation of secondary. W. L. Semon. 2,041,782; May 26.
Aminoarylbenzenes, Purifying. S. Kielbasinski. 2,042,259; May 26.
Amino derivatives of o-nitro-phenyl-lactic and thiolactic acids. N. H. Haddock and A. Kershaw. 2,041,705; May 26.
Amino-ortho-nitro-aryl-thiocarboxylic acids, and preparing same. A. Kershaw. 2,041,716; May 26.
Ammonia flow controlling device. C. C. Roe. 2,042,020; May 26.
Anhydrides, manufacture of aliphatic. H. Dreyfus. 2,041,746–7; May 26.
Animal trap. J. McGhee. 2,042,349; May 26.
Antenna. N. E. Lindenblad. 2,042,319; May 26.
Antenna. N. E. Lindenblad. 2,042,320; May 26.
Anthraquinone derivatives and preparing the same. A. J. Wuertz. 2,042,165; May 26.
Antigen, Pregnancy. B. Grusklin. 2,042,430; May 26.
Apparatus for use at low temperatures. A. B. Kinzel. 2,042,426–7; May 26.
Arch correction for the feet. F. S. Boltz and G. W. Estey. 2,041,693; May 26.
Articles, such as talking machine or phonograph records, Method of and apparatus for manipulating. H. Hollerith, Jr. 2,041,713; May 26.
Articles such as talking machine or phonograph records, Method of and apparatus for manipulating. W. D. La Rue. 2,041,718; May 26.
Audion tester. E. T. Flewelling. 2,042,251; May 26.
Automobile control device. A. B. Althouse. 2,042,202; May 26.
Automobile screen. O. M. Finley. 2,041,998; May 26.
Automobile side wing. E. E. Woodward. 2,041,804; May 26.
Automobile suspension system. M. Olley. 2,041,947; May 26.
Azo-dyestuffs. J. Gyr and O. Kaiser. 2,041,829; May 26.

Bailer. A. A. Melo. 2,041,720; May 26.
Balancing machine. J. Lungren. 2,041,771; May 26.
Ball-check valve. F. W. Edwards. 2,042,216; May 26.
Barber pole illumination. J. R. Emmert and A. H. Schwades. 2,041,909; May 26.
Bath apparatus, Shower. W. E. Sloan. 2,042,278; May 26.
Battery terminal clamp. J. K. Schaefer. 2,041,966; May 26.
Battery terminal, Storage. L. R. Friend. 2,041,824; May 26.
Beach chair. H. A. Freedman. 2,042,252; May 26.
Beacon. C. Whitman. 2,041,801; May 26.
Beam for well pumping and drilling mechanism, Walking. R. R. Bloss. 2,042,294; May 26.
Bearing: *See*—
Pressure-tight bearing. Spindle bearing.
Roller bearing.
Bed and bedrail. V. Giuseffi. 2,042,045; May 26.
Beverage dispensing apparatus, Refrigerated. J. Askin. 2,042,418; May 26.
Binding, Edge. M. B. Gwathmey. 2,042,046; May 26.
Bivalves, Opening. H. F. Prytherch and V. Koehring. 2,041,727; May 26.
Blade type cutter, Inserted. D. E. Van Deusen and H. Berg. 2,042,081; May 26.
Blank for forming channels. J. S. Reid. 2,041,956; May 26.
Blanket for printing presses. W. M. Shultz. 2,042,076; May 26.
Blind control mechanism, Venetian. M. L. Wiener and W. F. Nelsen. 2,041,892; May 26.
Board: *See*—
Insulating board.
Board, Method and machine for making diagonally corrugated. E. Watson. 2,042,243; May 26.
Boiler cleaning composition. E. L. Smead. 2,042,130; May 26.
Bolster, Car truck. C. W. Sherman. 2,042,129; May 26.
Bottle holder and closure-protector, Combined. J. I. Gordon. 2,041,755; May 26.
Bottle, Nonrefillable. T. J. Tabeny. 2,042,367; May 26.
Bottle packing method and means. J. L. Ferguson. 2,042,446; May 26.
Boundary layer control for wings. E. A. Stalker. 2,041,786; May 26.
Box: *See*—
Chick box. Switch box.
Spool box.
Braiding machine. C. M. Lawson and B. Hutnick. 2,042,065; May 22.
Brake: *See*—
Electro-pneumatic brake. Friction brake.
Fluid pressure brake.
Brake. P. H. Crary. 2,042,390; May 26.
Brake. C. L. Eksergian. 2,042,445; May 26.
Brake. W. Thompson. 2,041,980; May 26.
Brake apparatus, Fluid pressure. C. C. Farmer. 2,042,091; May 26.
Brake circuit checking device. J. W. Logan, Jr. 2,042,111; May 26.
Brake drum. E. A. Nelson. 2,041,776; May 26.
Brake mechanism. S. Vorech and S. Johnson, Jr. 2,041,884; May 26.
Brake mechanism. J. W. White. 2,041,890; May 26.
Brake valve device. E. K. Lynn and R. J. Bush. 2,042,112; May 26.
Braking of vehicles. A. Dewandre. 2,042,392; May 26.
Brassière slip. I. Goodman. 2,042,305; May 26.
Bridges, Reenforcing. A. G. Leake. 2,042,180; May 26.
Broach. C. J. Halborg. 2,041,759; May 26.
Broaching machine. G. F. Yager and O. J. Heath. 2,041,894; May 26.
Brush for dynamo-electric machines. A. S. Bemis and M. S. May. 2,041,895; May 26.
Brush structure. G. T. Southgate. 2,042,279; May 26.
Building construction. D. W. Wells. 2,042,438; May 26.
Building unit. P. J. Maul. 2,041,942; May 26.
Bumper attachment. A. Hunsiker, Jr. 2,041,931; May 26.
Burner: *See*—
Gasoline fuel burner. Oil burner.
Burner for corrosive fluids. D. Jefferson. 2,042,058; May 26.
Buttering machine for bread, Automatic. A. A. Cambiasso. 2,042,386; May 26.
Cabinet, Dispensing. J. J. Marino. 2,042,348; May 26.
Cabinet for books, Coin controlled. A. A. Eagle and A. A. Grosser. 2,041,904; May 26.

Cable and manufacturing it, Electric. R. F. Layton. 2,041,842; May 26.
Cable clamp. T. K. Cummins. 2,042,090; May 26.
Calculating machine. F. A. Kaiser. 2,042,342; May 26.
Calculating machine. O. J. Sundstrand. 2,041,977; May 26.
Calendar clock. L. Hammond. 2,042,337; May 26.
Cam particularly adapted for use in straight knitting machines employing horizontally reciprocatable sinkers, Slur. G. F. Kettleband. 2,042,062; May 26.
Camera for duplicating record cards. L. R. Hutchings. 2,042,005; May 26.
Can body making machine. J. J. Engelman, J. Henchert, and G. Baker. 2,042,250; May 26.
Cap for containers, Double shell. W. G. Skutch. 2,042,028; May 26.
Cap for receptacles and making the same, Closure. E. H. Fabrice. 2,041,912; May 26.
Car, Mine. P. S. McCallen. 2,042,266; May 26.
Car, Railway. E. G. Hallquist and L. Visser. 2,042,151; May 26.
Carbon monoxide and hydrogen from methane, Production of. E. Wilke and F. Fried. 2,042,285; May 26.
Carbonaceous bearing material. B. H. McQueer. 2,041,896; May 26.
Carbonaceous materials, Hydrogenation of. T. W. Pfirrmann. 2,041,858; May 26.
Card for statistical machines and manufacturing said cards. L. A. Valtat. 2,041,880; May 26.
Card holder. E. B. Gray. 2,041,756; May 26.
Cards for statistical machines, Control. R. L. A. Valtat. 2,041,881; May 26.
Carrying case. D. F. Cobb. 2,042,387; May 26.
Carton, Sealed. H. A. Nutchins. 2,041,932; May 26.
Carton, Shipping and display. A. H. Koeble. 2,042,107; May 26.
Case: *See*—
Carrying case.
Cash register. F. L. Fuller. 2,041,752; May 26.
Casing and closing the same, Sausage. H. A. Hensel. 2,042,227; May 26.
Casing and manufacturing the same. Steam turbine. H. P. Dahlstrand. 2,041,099; May 26.
Cathode, Indirectly heated heavy duty. E. Lübcke. 2,042,183; May 26.
Cellulose derivative compositions. E. F. Izard. 2,041,715; May 26.
Cellulose fiber for conversion into cellulose derivatives, Refining. G. A. Richter. 2,041,958; May 26.
Cellulose material, Colored. H. Dosne. 2,041,907; May 26.
Cellulose material, Colored. H. Dosne. 2,042,393; May 26.
Cellulose products from wood, straw, grass, and the like, Manufacture of. H. Dreyfus. 2,041,745; May 26.
Cement, High temperature refractory. G. E. Sell. 2,042,363; May 26.
Cement, Rubber. R. J. and E. C. King. 2,042,063; May 20.
Centrifuge, Spinning. R. Kalkbrenner and H. Toehl. 2,042,433; May 26.
Chair: *See*—
Beach chair.
Chair and table, Combined. E. Holme. 2,042,399; May 26.
Chamber construction for internal combustion engines, Combustion. F. Luker. 2,041,940; May 26.
Chassis, Vehicle. E. A. Kliewer. 2,041,936; May 26.
Chemical cleaning process. F. H. Mackenzie. 2,042,347; May 26.
Chick box. C. T. Patterson. 2,041,949; May 26.
Chloride, Making vinyl. S. L. Brous. 2,041,814; May 26.
Cigarette package. A. G. Rose. 2,042,073; May 26.
Circuit, Control. D. D. Knowles. 2,042,181; May 26.
Circuit controlling mechanism, Electric. A. O. Engberg and A. Eriksson-Jons. 2,041,748; May 26.
Circuit interrupter. P. J. Glaister and H. L. Rawlins. 2,042,335; May 26.
Clamp: *See*—
Battery terminal clamp. Ski clamp.
Cable clamp.
Clamp. T. J. LaValley. 2,042,263; May 26.
Clasp for watch-bracelets or the like, Extendible and adjustable. S. A. Johnson. 2,042,154; May 26.
Clasp, Optical. V. R. Hon. 2,042,400; May 26.
Classifier. C. E. Carstens, D. Dyrenforth, and A. D. Marriott, Jr. 2,042,444; May 26.
Cleaner: *See*—
Drain cleaner. Vacuum cleaner.
Cleaning composition, Pulverulent. A. B. Cummins. 2,041,744; May 26.
Cleat and guard, Roof. J. G. Hitzman. 2,041,929; May 26.
Clip: *See*—
Adhesive tape severing clip.
Closure, Flexible metallic. O. W. Hovey. 2,042,002; May 26.
Closure for bottles and jars. A. Kohrer. 2,041,768; May 26.
Closure for bottles, jars, tin cans and the like. R. Ostry. 2,042,357; May 26.
Closures to containers, Method of and apparatus for applying. H. F. Glunz. 2,042,304; May 26.
Cloth, Lapping. J. C. Standish. 2,041,976; May 26.
Clutch: *See*—
Synchronizing clutch.
Clutch. O. W. Partain. 2,041,948; May 26.
Coating. G. S. Hlers. 2,041,712; May 26.
Coin collector apparatus. C. H. Wheeler. 2,041,888; May 26.
Coin controlled apparatus. D. Troy. 2,041,878; May 26.
Coin selector and slug rejecter. H. A. Smith. 2,041,785; May 26.
Collar, Air cushion horse. L. L. Vardell. 2,042,082; May 26.
Colorimeter, Comparative. A. E. Traver. 2,042,281; May 26.
Coloring material for food fats and oils. A. F. Files. 2,042,173; May 26.
Combination mash and lauter tank. E. J. Westcott and A. E. Ruemmele. 2,042,284; May 26.
Combustion engine. W. Harper, Jr. 2,041,708–9; May 26.
Comminuting machine for foodstuffs. G. Satzinger. 2,042,161; May 26.
Compacts or the like, Filling or refilling. H. W. Jeffries and A. B. Steward. 2,042,059; May 26.
Composing and reproducing device. S. I. S. Friedman and O. I. Bloom. 2,042,041; May 26.
Composition for preventing sunburn. F. R. Stockelbach. 2,041,874; May 26.
Concentrator. I. B. Humphreys. 2,042,402; May 26.
Condensation products and making the same, Phenolic. J. H. James. 2,042,313; May 26.
Condensation products of high molecular weight polyhydric alcohols and making the same. H. Eatough. 2,041,702; May 26.
Condenser: *See*—
Electrolytic condenser.
Condenser. W. W. Garstang. 2,042,044; May 26.
Conduit. A. W. Sherwood. 2,041,972; May 26.
Conduit system, Underfloor wiring. E. B. Sargent. 2,041,965; May 26.
Connection for structural members. T. B. Morehouse. 2,042,353; May 26.
Container: *See*—
Powder container. Shipping container.
Container and making the same. C. M. MacCheaney. 2,042,346; May 26.
Container for bakery products. I. Bach and L. M. Lipowsky. 2,042,288; May 26.
Control system, Electric. F. W. Lyle. 2,042,234; May 26.
Cooler: *See*—
Room cooler.
Cooling system, Multiflow. F. W. Hild. 2,041,928; May 26.
Copper alloys, Refining. J. O. Betterton and A. J. Phillips. 2,042,291–2; May 26.
Corrugated sheet and making same. F. W. Schroder and M. Willis. 2,041,967; May 26.
Counter. A. Constantine. 2,042,249; May 26.
Counter actuating means for educational test checking machines. S. R. Harding. 2,041,758; May 26.
Counting device. C. C. McCain and A. Marchev. 2,041,943; May 26.
Coupling: *See*—
Resilient coupling.
Coupling. N. Roach. 2,042,125; May 26.
Cove construction for use with floor or wall coverings and the like. N. A. Brand. 2,041,899; May 26.
Cover: *See*—
Expandible cover. Suction box cover.
Cover for domes, Pressed steel. A. A. Kramer. 2,041,938; May 26.
Covering for luggage carriers, Protective. H. P. Danielsen and J. J. Kiefer. 2,042,211; May 26.
Covering for seats or cushions. G. H. Gaston. 2,041,919; May 26.
Crate, Ready bound. L. A. Bigelow. 2,042,329; May 26.
Crate, Ready bound. C. S. Henderson. 2,042,339; May 26.
Crate, Ready bound. J. E. Ott. 2,042,323; May 26.
Cutter: *See*—
Blade type cutter. Sheet material cutter.
Cutter. G. E. Bartol Jr. 2,041,806; May 26.
Cutting device. D. W. Lee. 2,042,318; May 26.
Cutting machine. F. W. Billiker. 2,041,742; May 26.
Cylinders in engines with angularly disposed cylinders, Anchoring. E. O. P. Thege. 2,041,979; May 26.
Decorating large surfaces by photography. E. Mollo and H. C. Merrett. 2,041,853; May 26.
Deep well pump. W. H. Graham and W. S. Grau. 2,042,336; May 26.
Demonstrating apparatus. R. P. Ross. 2,042,361; May 26.
Dentifrice. E. B. Putt. 2,042,359; May 26.
Desk and seat, Combination. W. W. Drummey. 2,041,908; May 26.
Detachable hinge. J. M. Mellick. 2,041,850; May 26.
Dials, scales and the like, Production of. J. Heidenhain. 2,042,049; May 26.
Dies, Manufacturing composite. A. Lumsden. 2,042,012; May 26.
Digging machine for root crops. J. C. Little. 2,042,232; May 26.

Dimethoxy-dibenzanthrone, Preparing. R. J. Sobatzki and J. C. Kinahan. 2,042,414; May 26.
Diphenol isatin, Acetylating. J. W. Orelup. 2,041,856; May 26.
Dipped goods, Manufacture of. V. J. Sprunger. 2,041,788; May 26.
Discharge device, Electric. J. A. V. Fairbrother. 2,042,147; May 26.
Discharge device, Electric. W. J. Scott. 2,042,195; May 26.
Discharge device, Gaseous electric. H. Krefft. 2,042,261; May 26.
Disconnecting switch. J. S. Thompson and B. E. Menzies. 2,041,877; May 26.
Dispenser: *See*—
Soap chip dispenser.
Dispensing device. R. C. Hitzler. 2,042,098; May 26.
Dispensing unit. F. J. Gleason and S. W. Burnham. 2,041,703; May 26.
Display stand. E. C. Folsom and F. E. Smyser. 2,041,751; May 26.
Distillates from heavier oils, Manufacture of highly unsaturated or aromatic. R. T. Haslam. 2,042,306; May 26.
Distillates, Purification and desulphurization of low boiling. G. H. B. Davis. 2,042,298; May 26.
Distributing device for doughnut machines. A. S. T. Lagaard. 2,042,262; May 26.
Ditch gate. B. McGuire. 2,042,350; May 26.
Door. T. W. Bailey. 2,042,246; May 26.
Door. R. L. McKinney. 2,042,158; May 26.
Door guiding mechanism, Automatic. J. F. Winn, Jr. 2,042,084; May 26.
Doorlock. W. R. Schlage. 2,042,021; May 26.
Door Mechanism, Sectional. C. C. Gill, R. O. Julian, J. W. McIlwraith, and C. F. Rutledge. 2,042,175; May 26.
Draft in furnaces and for purifying flue gases, Apparatus for increasing. F. Garnier. 2,041,826; May 26.
Drain cleaner. R. G. Kugelman. 2,042,407; May 26.
Drier: *See*—
Hair drier.
Drill: *See*—
Pneumatic drill.
Drill. W. J. McCallum. 2,042,114; May 26.
Drill chuck. A. M. Stoner. 2,042,197; May 26.
Drill shaft and bit adapted to be used with percussive drills. R. A. Bedford. 2,042,088; May 26.
Drive for vehicles, Steering wheel. B. W. Keese. 2,042,404; May 26.
Driving mechanism for engines, compressors, pumps, and other machines. R. E. Watts. 2,042,083; May 26.
Driving mechanism of the one-way clutch type. H. A. Palmer. 2,042,358; May 26.
Dual rim wheel. C. L. Ekergrian. 2,041,996; May 26.
Dust remover for drills and the like. P. A. Baumeister and A. D. Saunders. 2,041,689; May 26.
Dyeings prepared with vat dyestuffs, Stripping. C. Schoeller. 2,042,194; May 26.
Dyes and their preparation, Azo. S. Coffey and W. A. Sexton. 2,041,698; May 26.
Dyes and their preparation, Azo. S. Coffey, M. Lapworth, and W. A. Sexton. 2,041,697; May 26.
Dyestuff and making same, Sulphonated. H. Siebenbürger. 2,041,871; May 26.
Dyestuff images, Producing photographic. B. Gaspar. 2,042,253; May 26.
Dyestuffs and their production, Azo. M. Mendoza. 2,041,851; May 26.
Dyestuffs of the anthraquinone series, Manufacture of. W. Dettwyler. 2,042,423; May 26.
Dynamo-electric machine. J. F. Calvert. 2,042,208; May 26.
Elastic article, Extensible. M. M. Harrison. 2,041,760; May 26.
Electric accumulator. K. W. J. Hjelmblad. 2,041,834; May 26.
Electric contact plug. C. L. Hile. 2,042,398; May 26.
Electric discharge device, Gaseous. H. Ewest and G. Gaidies. 2,042,172; May 26.
Electric discharge device, Gaseous. P. Schouwstra. 2,042,162; May 26.
Electric discharge device, Gaseous. K. Wiegand. 2,042,136; May 26.
Electric discharge lamp, Gaseous. G. Gaidies and M. Reger. 2,042,148; May 26.
Electric discharge lamp, Gaseous. W. J. Winninghoff. 2,042,244; May 26.
Electric incandescent lamp. H. F. Russell. 2,042,126; May 26.
Electric lamp. A. A. Thomas. 2,042,190; May 26.
Electric lamp, Adjustable duplex. A. Marchand. 2,041,847; May 26.
Electric pocket lamp. B. D. Lifschitz. 2,041,843; May 26.
Electric receptacle, Movable. W. J. Kelley. 2,042,105; May 26.
Electric signal. A. A. Johnson. 2,042,316; May 26.
Electrical dehydration, Method and apparatus. P. W. Prutzman. 2,041,954; May 26.
Electrical installation. R. W. Atkinson and A. M. Hagen. 2,042,421; May 26.
Electrical relay. A. H. Lamb. 2,042,109; May 26.
Electrical testing apparatus. P. B. Levitt. 2,042,009; May 26.
Electrolytic condenser. A. E. van Arkel and H. J. M. van Embden. 2,042,283; May 26.
Electron discharge device. A. S. Hopping. 2,042,057; May 26.
Electron emitter. J. R. Wilson, J. T. Acker, and C. D. Hartman. 2,041,802; May 26.
Electrooptical system. A. D. Dowd. 2,041,822; May 26.
Electropneumatic brake. J. C. McCune. 2,042,115; May 26.
Emblem. F. Weindel, Jr. 2,042,416; May 26.
Ends of tubular members for a welded joint, Preparing the. C. M. Houston. 2,042,100; May 26.
Engine: *See*—
Combustion engine. Reciprocating engine.
Internal combustion engine.
Engine. C. A. Simpson. 2,042,364; May 26.
Engine starting apparatus. C. O. Nygren. 2,041,722; May 26.
Engine starting mechanism. C. O. Nygren. 2,041,723; May 26.
Envelope for electric discharge devices. H. Cheney and L. J. Davies. 2,042,143; May 26.
Esters and products thereof, Production of unsaturated. H. P. A. Groll and G. Hearne. 2,042,221; May 26.
Esters, Production of. J. W. C. Crawford. 2,041,820; May 26.
Ethers, Preparation of unsaturated. H. P. A. Groll and C. J. Otto. 2,042,219; May 26.
Evaporating and equipment therefor. W. A. Darrah. 2,042,145; May 26.
Expansible cover. R. C. Pierce. 2,041,950; May 26.
Expansion joint. A. J. Lawrence. 2,042,408; May 26.
Extractor: *See*—
Juice extractor.
Eyeglass pad and support, Combined. F. H. Soden. 2,041,975; May 26.
Fabric: *See*—
Impervious fabric.
Fabric and colored strand therefor, Elastic. F. P. Jecusco. 2,041,837; May 28.
Fabric and hosiery produced therefrom, Knitted. G. Gastrich. 2,042,149; May 26.
Fabric, Decorating. W. Witte. 2,042,033; May 26.
Fabric spreader. A. P. Lewis. 2,042,010; May 26.
Fabrics, Apparatus for cleaning. R. A. Hetser. 2,041,711; May 26.
Fabrics, Method and apparatus of weaving knotted. W. A. Rice and F. G. Shinn. 2,041,864; May 26.
Fabrics of multiple loom width, Producing. A. Lanz. 2,041,841; May 26.
Fan-heater. B. A. Benson. 2,041,897; May 26.
Fastener: *See*—
Sash fastener.
Fastener devices, Manufacturing separable. D. Marinsky. 2,041,848; May 26.
Fastening device. W. L. Rowe. 2,041,780; May 26.
Fats or oils into fatty acids and glycerine, Decomposing. J. O. Peirce. 2,042,411; May 26.
Faucet, Filter. C. S. Knight. 2,042,106; May 26.
Feed regulating device. G. Spiess. 2,042,131; May 26.
Feeding device for grinders. K. L. Herrmann. 2,041,764; May 26.
Feeding mechanism, Circular. M. J. Milmoe. 2,042,269; May 26.
Fertilizer distributor. C. W. Michael and W. E. Michael. 2,042,014; May 26.
Fibrous bodied article and producing same, Joined. E. C. Sloan. 2,041,974; May 26.
Filing device. D. A. Beeler. 2,042,167; May 26.
Filter. E. C. Hardy. 2,042,308; May 26.
Fish pack and packing fish. P. S. Wetmore. 2,041,986; May 26.
5-tertiarybutyl-1-mercapto-benzo-thiazole and making same. E. C. Britton and A. J. Dietzler. 2,042,205; May 26.
Flashlight attachment for gasoline hose nozzles. R. L. Boring. 2,042,385; May 26.
Flatcar. A. F. Klasing. 2,042,260; May 26.
Flocculation in oil well strata, Producing. A. G. Loomis. 2,042,011; May 26.
Flue cleaning device. H. I. Platt. 2,041,779; May 26.
Fluid controlled switch. G. E. Pray. 2,041,726; May 26.
Fluid filtration, Cleansing. E. M. Heckman. 2,041,763; May 26.
Fluid flow control system. W. H. Green. 2,041,922; May 26.
Fluid motor. R. Heftye. 2,042,001; May 26.
Fluid pressure brake. C. C. Farmer. 2,042,092; May 26.
Fluid pressure brake. J. B. Hull. 2,042,101; May 26.
Fluid pressure brake. L. K. Silcox. 2,041,872; May 26.
Fluid pressure motor. F. F. T. Flint. 2,041,916; May 26.
Fluids, Apparatus for regulating and/or measuring the flow of. G. Wilnsch and A. J. D. Humby. 2,042,374; May 26.
Flush valve. W. J. Crist and C. W. Hess. 2,042,391; May 26.
Flyer for spinning machines. H. C. Herr and H. E. Herr. 2,042,340; May 26.
Folder, Loose leaf. C. P. Swank. 2,042,366; May 26.
Folding table. C. F. Weed. 2,042,326; May 26.
Form, Shoe. J. F. Clark and E. B. Clark 2,041,695; May 26.
Fractionation, Apparatus for and process of. W. Hagenbuch. 2,042,150; May 26.
Freezing apparatus, Fast. D. MacBride. 2,042,013; May 26.
Frequency control. R. S. Ohl. 2,041,865; May 26.

Friction brake. E. A. Kliewer. 2,041,935; May 26.
Fuel, Apparatus for producing. J. N. Vandegrift, C. Postel, and C. V. Linn. 2,041,883; May 26.
Fuel supply and control system. F. L. Hitchcock. 2,041,833; May 26.
Game. E. Estes. 2,042,424; May 26.
Garment for boys. B. Rubin. 2,042,192; May 26.
Garment hanger. F. S. Shaffer. 2,042,240; May 26.
Gaseous discharge device, Electric. A. Bünger. 2,042,140; May 26.
Gaseous fuel burner. O. W. Hahn. 2,041,706; May 26.
Gases or vapors with liquids, Apparatus for the treatment of. H. S. Sayles. 2,042,127; May 26.
Gear: *See*—
Hydrodynamic gear.
Generator: *See*—
Acetylene gas generator. Steam generator.
Low voltage generator.
Glass installation system, Window. S. A. Stoneback. 2,042,077; May 26.
Glass, Making indium-containing. W. S. Murray. 2,042,117; May 26.
Glass, Photoluminescent. W. Kaufmann, L. Eckstein, and K. Rosenberger. 2,042,425; May 26.
Glazing apparatus. D. B. Howell. 2,041,765; May 26.
Gold from saline solutions, Extracting. H. C. Parker. 2,042,121; May 26.
Golf green sweep. P. E. Knudson. 2,042,405; May 26.
Grain crop header. T. W. Hague. 2,042,256; May 26.
Grain drill attachment for disk harrows. C. E. Underwood. 2,042,133; May 26.
Graphite into engines, Apparatus for injecting. C. R. Rolen. 2,042,191; May 26.
Grate, Stoking. F. L. Dumont. 2,042,170; May 26.
Grease gun rack. C. Fischer. 2,041,749; May 26.
Grid construction. J. H. Cone. 2,041,904; May 26.
Gun, Hot air. A. F. Levenhagen. 2,042,264; May 26.
Hair curler. I. M. High and E. G. Kimmell. 2,042,397; May 26
Hair drier, Electric. B. A. Benson. 2,041,687; May 26.
Halides, Rearrangement of unsaturated. H. P. A. Groll and J. Burgin. 2,042,223; May 26.
Halides, Treatment of unsaturated. H. P. A. Groll and J. Burgin. 2,042,222; May 26.
Hand spooling apparatus. P. G. G. Beyer. 2,042,381; May 26.
Handle: *See*—
Stirring handle.
Hanger: *See*—
Garment hanger.
Hangers, Manufacture of coat. W. Backer. 2,041,805; May 26.
Head quadrant, Universal dividing. H. R. Isler. 2,042,258; May 26.
Headlight. R. J. Hicks. 2,042,396; May 26.
Hearse. W. E. Binkley. 2,042,382; May 26.
Heat and sound insulation. R. Ericson. 2,041,910; May 26.
Heat-distributor for registers. F. J. Hilk. 2,042,310; May 26.
Heat insulation. R. Ericson. 2,041,911; May 26.
Heat insulation material and making same. H. W. Greider. 2,042,096; May 26.
Heater: *See*—
Fan-heater. Water heater.
Liquid-condensation heater
Heating apparatus. J. G. Ames. 2,041,683; May 26.
Heating system. A. M. Brown. 2,041,815; May 26.
Heating system and control means therefor. L. W. Eggleston 2,042,217; May 26.
Heddle and making the same. R. Ragan. 2,041,860; May 26.
Hedge trimmer. L. O. Hanson. 2,041,924; May 26.
Hinge: *See*—
Detachable hinge.
Hitch, Safety. L. O. Orner. 2,041,857; May 26
Holder: *See*—
Card holder. Shade holder.
Holder and wiper. P. J. Haas 2,042,255; May 26
Holder for shopping bags. H. O. Becklin. 2,041,691; May 26.
Hole, Plugged telltale. S. F. Henry. 2,042,309; May 26.
Horn, Electric Vacuum. H. C. Heath. 2,041,925; May 26.
Horseshoe calk. E. M. Gardner. 2,041,825; May 26.
Hot plate and making same, Electric. C. B. Backer; 2,042,203; May 26.
Housing for combined sound and motion-picture projectors. P. S. Malickson. 2,041,845; May 26.
Hub with coaster brake and brake-locking device. Freewheel. F. Winkler. 2,041,893; May 26.
Humidifying apparatus. B. Michalski. 2,042,185; May 26.
Hydrocarbon oxygen compounds, Producing. J. C. Walker. 2,042,134; May 26.
Hydrodynamic gear. K. Rabe. 2,042,189; May 26.
Ice scoring machine. M. J. Uline. 2,042,368; May 26.
Impact implement. J. M. Crowe. 2,041,905; May 26.
Impervious fabric J. K. Hunt 2,041,836; May 26.
Incinerator. L. T. Sherwood. 2,041,973; May 26.
Indicator: *See*—
Liquid level indicator.
Indicator. W. T. Mehaffey. 2,042,851; May 26.
Inflow controlling and fluid discharge means, Combination. M. S. Young. 2,041,735; May 26.
Inhibitors, Preparation of. J. D. Ruys and R. L. Kittle. 2,042,412; May 26.
Inking device. A. O. Beckman. 2,041,740; May 26.
Innersole making machine. J. V. Poole. 2,042,275; May 26.
Insect trap. O. B. Moye. 2,042,236; May 26.
Insecticide. H. E. Buc. 2,042,296; May 26.
Insulating board. P. W. Codwise. 2,041,696; May 26.
Interlock for meter casings. C. S. Hazard and N. S. Prentiss. 2,041,762; May 26.
Internal combustion engine. C. W. Van Ranst. 2,041,983; May 26.
Ironing table, Foldable. C. W. Sadenwater. 2,042,074; May 26.
Ironing table, Foldable. C. W. Sadenwater. 2,042,075; May 26.
Joint: *See*—
Expansion joint. Rail joint.
Pipe joint.
Joint and core, Expansion. R. R. Robertson. 2,041,961; May 26.
Joint construction, Wallboard. C. O. Walper. 2,041,800; May 26.
Joint for rail ends and splice bars therefor. R. F. Greenwood. 2,041,828; May 26.
Journal bearing protector. J. E. McMahon. 2,041,774; May 26.
Juice extractor. C. B. Ilgenfritz. 2,042,341; May 26.
Labeling machine for cylindrical and similar packages. C. H. Wild. 2,042,164; May 26.
Ladle, Tilting. L. A. Camerota. 2,042,037; May 26.
Laminated article. U. C. Tainton. 2,042,030; May 26.
Lamp: *See*—
Electric discharge lamp. Electric lamp.
Electric incandescent lamp Electric pocket lamp.
Lamp device, Gaseous electric discharge. C. Bol. 2,042,138; May 26.
Lamp device, Gaseous electric discharge. C. Bol. and H. A. W. Klinkhamer. 2,042,139; May 26.
Lamp focusing sight. W. T. Harding. 2,041,707; May 26.
Leather Manufacturing. L. Wallerstein and J. Pfannmuller. 2,041,732; May 26.
Leather, Production of. L. Wallerstein and J. Pfannmuller. 2,041,731; May 26.
Legging. M. Cooper. 2,041,819; May 26.
Lettering guide. A. F. Cousin. 2,041,993; May 26.
Level and inclinometer. C. A. Stockholm. 2,042,365; May 26.
License plate locking device, Automobile. F. L. McCulloch. 2,042,267; May 26.
Life saving equipment for submarines. F. Sheplin and G. Macchianich. 2,041,971; May 26.
Light regulating means. J. La Via. 2,042,344; May 26.
Light sensitive cell. A. Carpenter and E. Ross. 2,041,816; May 26.
Light-sensitive material and producing color pictures therewith, Colored. R. Gaspar. 2,041,827; May 26.
Lime putty, Aging. W. H. Brooks and F. M. Taylor. 2,041,813; May 26
Liner, Tunnel. C. T. Whitescarver. 2,042,327; May 26.
Liquid conductor heater. G. H. Nelson. 2,042,272; May 26.
Liquid feed apparatus, Proportional. L. C. Bird, H. M. Rexrode, and R. R. Chappell. 2,042,383; May 26.
Liquid level indicator. C. Pyle, 3d and R. T. VanNess. 2,041,859; May 26.
Liquid level responsive device. P. A. Elfers. 2,041,997; May 26.
Liquids, Apparatus for treating. W. H. Jackson. 2,042,006; May 26.
Loader, Hay. B. Herwander. 2,041,926; May 26.
Loading and unloading of work in machine tools. H. C. Pierle. 2,042,123; May 26.
Loading machine. A. C. Wilcox. 2,041,734; May 26.
Lock. W. R. Schlage. 2,042,025; May 26.
Lock construction. A. Schoorel. 2,042,026; May 26.
Locking device. B. S. Bernhard. 2,041,809; May 26.
Locking device for slicing machine clamps. G. A. Lensky and E. G. Streckfuss. 2,042,230; May 26.
Log splitting device. L. Hult. 2,042,401; May 26.
Loom shuttle structure. W. Hampson. 2,042,307; May 26.
Loom temple. W. I. Stimpson and F. E. Douglas. 2,042,415; May 26.
Low voltage generator. H. G. Fischer, P. P. Musket, and D. E. Richardson. 2,042,334; May 26.
Lubricant containing pseudopimaric acid and the preparation thereof. E. A. Brennan and W. Hull. 2,042,035; May 26.
Lubricating device. H. A. Brown. 2,042,206; May 26.
Lubricator. R. J. Gits. 2,041,920; May 26.
Lubricator. J. McCreadie and G. Hickerson. 2,042,184; May 26.
Luminescent sign. H. A. Cline. 2,042,144; May 26.
Machine for making button backs and the like. W. T. Abel. 2,042,375; May 26.
Machine for removing tire treads. G. F. Connelly. 2,041,818; May 26.
Machine for shaping uppers over lasts. C. F. Pym. 2,041,956; May 26.

Machine tool. L. H. Blood. 2,042,247; May 26.
Machine tool. R. E. W. Harrison and C. W. Hopkins. 2,042,257; May 26.
Marker. A. J. John. 2,042,315; May 26.
Material handling machine. J. Cogito and W. Ungrassia. 2,042,388; May 26.
Materials, Production of artificial. W. I. Taylor. 2,041,798; May 26.
Materials such as pitch, acid sludge and the like, Working up low valued. A. Reis. 2,041,957; May 26.
Matrix, Printing plate. T. C. Browne. 2,041,743; May 26.
Matrix, Printing-plate. W. Matuschke and E. Blüsing. 2,041,941; May 26.
Mechanical movement. R. K. Morris. 2,042,116; May 26
Meta cresol from meta cresol-para cresol mixture, Separation of. T. S. Carswell. 2,042,331; May 26.
Metal articles, more particularly bolt heads or the like, by upsetting, Forming. J. Kuhne. 2,041,939; May 26.
Metals and metal alloys, Apparatus for separating. K. A. Lindner. 2,041,844; May 26.
Metals, Method of casting. A. W. Morris. 2,042,409; May 26.
Metallurgical apparatus. J. O. Betterton and K. A. Lindner. 2,041,810–11; May 26.
Metalworking apparatus. J. S. Barnes and P. R. Guirl. 2,042,379; May 26.
Milanese warp knitting machine. W. Deakin. 2,042,146; May 26.
Mill: *See*—
Pulverizing mill.
Milk stirring and cooling device. E. H. Kuehne. 2,042,108; May 26.
Milling machine transmission and electric control therefor. W. D. Archea. 2,042,245; May 26.
Mining apparatus. M. P. Holmes. 2,041,714; May 26.
Mirror and comb, Combination. J. F. Rioux. 2,041,960; May 26.
Mirror wheels, Producing. H. Papst. 2,042,018; May 26.
Mixing device. F. G. Hausman. 2,042,176; May 26.
Modulating system. J. Plebanski. 2,041,951; May 26.
Molding and lining of pipes and the like, Centrifugal. C. C. Halkyard. 2,042,395; May 26.
Mop. P. Ehrmantrout. 2,041,823; May 26.
Mop. T. P. Wallace. 2,041,985; May 26.
Mortarboard stand, Plasterer's. C. M. Lockey. 2,042,110; May 26.
Motion reproducing unit. E. J. Poitras and J. D. Tear. 2,041,952; May 26.
Motor: *See*—
Fluid motor. Multiple speed motor.
Fluid pressure motor.
Motor control system. W. G. Cook. 2,042,169; May 26.
Mounting and thermoinsulative jacket for vapor electric devices. G. E. Inman. 2,042,153; May 26.
Mounting for signaling devices and the like. R. S. Edwards. 2,041,995; May 26.
Movement checking mechanism. L. M. Stuart. 2,042,280; May 26.
Multiple speed motor. H. M. Stoller. 2,041,875; May 26.
Musical instrument, String. F. Turner. 2,042,080; May 26.
Needle threader. A. Hrivnák. 2,042,403; May 26.
Network distribution system. R. E. Powers and H. R. Searing. 2,042,187; May 26.
Nitriding process. J. P. Larkin. 2,041,769; May 26.
Oil and the revivification of the sweetening agent, Sweetening sour petroleum. O. Codier. 2,042,056; May 26.
Oil burner. D. E. Wyman. 2,042,034; May 26.
Oil for artificial textile materials, Oxidized. G. W. Seymour. 2,041,729; May 26.
Oil in refrigerator systems, Purging and rectifying. N. H. Gay. 2,042,394; May 26.
Oil return device for flooded evaporators. J. Askin and J. D. Lear. 2,042,419; May 26.
Oil return system for deep well turbine pumps. J. M. Halt. 2,041,999; May 26.
Oil, Sweetening hydrocarbon. C. O. Hoover. 2,042,054; May 26.
Oil, Sweetening sour hydrocarbon. C. O. Hoover. 2,042,055; May 26.
Oil, Treating hydrocarbon. W. W. Gary. 2,041,754; May 26.
Oils, Purifying hydrocarbon. C. O. Hoover. 2,042,050; May 26.
Oils and vapors, Refining hydrocarbon. C. O. Hoover. 2,042,053; May 26.
Oils, Dewaxing mineral. H. Walch. 2,041,885; May 26.
Oils, Purifying hydrocarbon. C. O. Hoover. 2,042,050; May 26.
Oils, Treating mineral. C. O. Hoover. 2,042,052; May 26.
1-(B-hydroxyethylamino)-5-naphthol and preparing same. A. H. Knight. 2,041,838; May 26.
One-button switch. A. von Kilian. 2,042,369; May 26.
Oscillating system. N. E. Lindenblad. 2,042,321; May 26.
Oscillation generation. N. E. Lindenblad. 2,042,345; May 26.
Oven, Baking. L. D. Honlis. 2,041,930; May 26.
Oxidation products, Treating partial. J. H. James. 2,042,314; May 26.
Package of tea-bags and the like. H. Cooper. 2,042,039; May 26.
Package sealing apparatus. W. P. White. 2,041,801; May 26.
Packing composition, Plastic. E. G. Howland and F. E. Payne. 2,041,835; May 26.
Packing rings by crimping a plait of material into helical winds, Method to form. H. T. Wheeler. 2,041,889; May 26.
Paper, Decorated corrugative. H. C. Orchard. 2,042,017; May 26.
Paper, Manufacture of pigmented. J. J. Healy, Jr. 2,042,338; May 26.
Paper material carrying a resin of petroleum origin. C. Ellis. 2,042,299; May 26.
Parachute release device, Automatic. J. V. Mohler. 2,042,159; May 26.
Parts held together by a fusible material, Device for securing or separating. D. F. Taylor. 2,041,978; May 26.
Patch, Tire repair. R. F. Wilson. 2,041,988; May 26.
Patterns for dental pieces, Investing. D. N. Bradley, Jr. 2,042,330; May 26.
Paving of tennis courts and the like. A. K. Bamber. 2,042,377; May 26.
Pen packing unit, Fountain. S. M. Sager. 2,041,781; May 26.
Pharmaceutical tablets, Apparatus for testing. F. D. Smith and L. Grosch. 2,041,869; May 26.
Phonograph. N. C. Durand and H. F. M. Gramann. 2,042,171; May 26.
Phonographic apparatus. C. Huenlich. 2,042,228; May 26.
Photoelectric cell, Self-generating. E. Pnetorius and J. E. Stewart. 2,041,953; May 26.
Picker: *See*—
Stone picker.
Pillar or the like, Adjustable supporting. W. Buckstone. 2,042,443; May 26.
Pipe assembly for water closet bowls, Combination flushing and ventilating. T. H. Moore. 2,042,271; May 26.
Pipe joint. R. Treskow. 2,042,132; May 26.
Plastic composition. R. I. Colmar. 2,042,038; May 26.
Plastic composition. J. H. Wernts. 2,041,733; May 26.
Plate and using the same, Baking. W. M. McCaskell. 2,042,070; May 26.
Plate, Strike. W. R. Schlage. 2,042,024; May 26.
Plotting device. C. E. H. Watson. 2,042,031; May 26.
Plow attachment for tractors. L. C. Hester. 2,041,832; May 26.
Plug: *See*—
Electric contact plug.
Plumbing fixture, Ventilated. T. J. Robertson. 2,041,962; May 26.
Pneumatic drill. P. A. Baumeister and A. D. Saunders. 2,041,690; May 26.
Pneumatic tire tube. A. G. Fitz-Gerald. 2,041,750; May 26.
Pocket. T. S. Tworoger. 2,042,282; May 26.
Powder container. P. H. Ganz. 2,041,753; May 26.
Power transmission mechanism. O. Heumader. 2,041,927; May 26.
Power transmission, Speed-change. J. Misiak, Jr. 2,042,235; May 26.
Pressing machine. A. F. Hanney. 2,041,923; May 26.
Pressure-tight bearing. F. A. Barnes. 2,042,166; May 26.
Printing. F. J. Jeuck. 2,042,432; May 26.
Printing element and making same. W. C. Huebner. 2,042,003; May 26.
Printing machine, Multicolor. F. F. Kaiser. 2,042,060; May 26.
Printing mechanism. A. J. Shickman and W. A. Thum. 2,041,730; May 26.
Prismostereophorometer. A. W. Loy. 2,041,719; May 26.
Product from ordinary garbage and preparing same. E. W. McCullough. 2,042,429; May 26.
Propeller. E. G. McCauley. 2,041,849; May 26.
Propeller, One-piece hollow steel. W. S. Hoover. 2,042,099; May 26.
Protector: *See*—
Journal bearing protector. Spring protector.
Pulley, Clothesline. N. Hutchinson. 2,042,102; May 26.
Pulsator for milking machines. E. A. Forsberg. 2,042,300; May 26.
Pulverizer. M. Frisch. 2,042,042; May 26.
Pulverizer. M. Godinez. 2,042,254; May 26.
Pulverizing mill. E. G. Bailey, P. R. Cassidy, and R. M. Hardgrove. 2,042,204; May 26.
Pump: *See*—
Deep well pump.
Pump for engines, Supply. M. Hurst. 2,042,004; May 26.
Pump rod assembly. C. E. Suhm and L. S. Ankenbruck. 2,042,078; May 26.
Pumping apparatus. R. E. Lamberton. 2,041,717; May 26.
Quarrying tool. W. Haskell. 2,042,447; May 26.
Rack: *See*—
Grease gun rack.
Radiator repair and test apparatus. W. A. Berringer. 2,042,380; May 26.
Radio control head. N. A. Karlin. 2,042,061; May 26.
Radio receiving system. R. E. Mathes. 2,041,846; May 26.
Radio relaying system. S. G. Frantz and J. Q. Stewart. 2,042,302; May 26.

Rail joint. R. F. Bolam. 2,042,089; May 26.
Range, Electric. E. H. Lockwood. 2,042,233; May 26.
Razor blade. P. N. Peters. 2,041,778; May 26.
Razor with rotary drive, Safety. G. Biniek. 2,042,293; May 26.
Reaction product of hydroated aluminum oxide and gluconic acid, Preparing the. R. Pasternack and W. R. Giles. 2,042,019; May 26.
Reaper-binder. C. F. and C. E. Tremouroux. 2,041,981; May 26.
Receptacle: *See*—
Electric receptacle.
Reciprocating engine. A. Garelli. 2,042,043; May 26.
Refrigerant condensing apparatus. S. J. Best. 2,042,087; May 26.
Refrigerating system. C. G. Munters. 2,042,355; May 26.
Refrigeration. W. J. Podbielniak. 2,041,725; May 26.
Refrigerator. E. Wenander. 2,042,373; May 26.
Refrigerator, Constant temperature. L. C. Bird, H. M. Rexrode, and R. R. Chappell. 2,042,384; May 26.
Regulator: *See*—
Temperature regulator.
Resilient coupling. A. Maurer. 2,042,060; May 26.
Resin, Producing a synthetic. G. W. Seymour. 2,041,783; May 26.
Retort construction. J. N. Vandergrift. 2,041,882; May 26.
Roller bearing. H. E. Wise. 2,042,417; May 26.
Room cooler. J. Askin. 2,042,420; May 26.
Rubber article. C. L. Beal. 2,041,737; May 26.
Rubber, Preservation of. M. R. Coe. 2,042,333; May 26.
Rubber, Preservation of. A. M. Neal. 2,041,854; May 26.
Runner for centrifugal machines. F. Kugel. 2,042,064; May 26.
Safety attachment for wrist bands. B. Mestekin. 2,041,944; May 26.
Safety device for truck trailers. L. Miller. 2,042,352; May 26.
Safety system for pipe lines. G. I. Rhodes. 2,041,862–3; May 26.
Sampling valve. E. C. Buckley. 2,041,694; May 26.
Sand, Making foundry. C. L. Norton. 2,041,721; May 26.
Sandblast device. F. Palmiter. 2,042,120; May 26.
Sash and frame, Window. M. H. Munson. 2,042,354; May 26.
Sash fastener. J. M. Kuebler. 2,042,317; May 26.
Scale formation and for the continuous automatic discharge of mud from steam boilers and heaters of liquids, System for the prevention of. C. Piccardo. 2,042,122; May 26.
Scarf. E. Buchman. 2,042,442; May 26.
Scarifier. N. H. Sens. 2,042,190; May 26.
Scraping tool. N. N. Okun. 2,042,273; May 26.
Screen: *See*—
Automobile screen.
Screen holder. J. S. Santiago. 2,042,277; May 26.
Screening apparatus. S. D. Robins. 2,042,072; May 26.
Screw driver. L. Balga. 2,042,376; May 26.
Seal, Closure. A. E. Nave. 2,041,946; May 26.
Seat. I. E. Otto. 2,042,288; May 26.
Seat connection. A. G. Leake. 2,042,179; May 26.
Seat construction, Spring. J. L. McInerney. 2,042,157; May 26.
Seat operator, Closet. P. J. Revers. 2,042,276; May 26.
Sewing machine, Shoe. A. R. Morrill. 2,041,945; May 26.
Shedding mechanism for looms. C. D. Brown. 2,042,422; May 26.
Sheet, Electric. R. E. Reno, Jr. 2,042,124; May 26.
Sheet material cutter, Portable. A. R. Havanas. 2,042,097; May 26.
Shingle. N. P. Harshberger. 2,041,761; May 26.
Ship hull construction. C. T. Samuelson. 2,041,963; May 26.
Ship's davit. G. W. Carr. 2,041,817; May 26.
Shipping container. V. Willoughby. 2,042,440–1; May 26.
Shipping case. G. E. Whalley. 2,042,185; May 26.
Shoe bottom attaching apparatus. G. H. Barge. 2,042,378; May 26.
Shoe shaper. F. Calabrese. 2,041,991; May 26.
Shuttle check. J. Northrop. 2,042,118; May 26.
Shuttle check, Loom. J. Northrop. 2,042,119; May 26.
Sight line horizon determining means. O. Eppenstein. 2,042,040; May 26.
Sign: *See*—
Advertising sign. Luminescent sign.
Sign pouring closure, Swivel. L. R. Paul. 2,041,724; May 26.
Signal: *See*—
Electric signal.
Signal and control system for elevators. W. F. Eames. 2,042,214; May 26.
Signal system for elevators. H. W. Williams and W. F. Eames. 2,042,201; May 26.
Signaling system. C. W. Hansell. 2,041,830; May 26.
Silencer. W. A. Jack, 3d. 2,041,767; May 26.
Silicon carbide refractory. R. C. Benner, G. J. Easter and A. J. Thompson. 2,041,808; May 26.
Silk and by-product recovery therefrom, Manufacture of. A. J. L. Morits and J. J. Schilthuis. 2,042,016; May 26.
Size controlling mechanism for boring machines and the like. H. L. Blood. 2,041,898; May 26.
Ski clamp. H. Aubert. 2,042,086; May 26.
Skiving machine. H. A. Davis. 2,041,700; May 26.
Skiving machine. M. H. Roske. 2,041,701; May 26.
Sled. H. L. VanDoren and J. G. Ridcout. 2,041,982; May 26.
Sleeve-like bodies, Apparatus for casting. T. A. Moormann. 2,042,015; May 26.
Slider for fasteners. G. E. Prentice. 2,042,325; May 26.
Snap acting device. A. J. Mottlau. 2,041,775; May 26.
Soap chip dispenser. G. W. Ward. 2,041,887; May 26.
Soap, Rubber coated cake of. J. P. Kane. 2,042,104; May 26.
Soles, Manufacture of. J. Cavanagh. 2,041,901; May 26.
Solid substances, through channels, pipes and the like, Conveying. K. Krekeler. 2,042,428; May 26.
Solving, softening, and gelatinizing agents. W. Schrauth. 2,042,413; May 26.
Sound detecting apparatus. H. C. Hayes. 2,041,710; May 26.
Sound on film reproduction. L. J. Simons. 2,042,027; May 26.
Sound reproducing system. B. Olney and G. Veal. 2,041,777; May 26.
Sound source, Travel. A. McL. Nicolson. 2,042,237; May 26.
Spinning and doubling machine. W. Freund. 2,041,918; May 26.
Spool box. A. Hirsch. 2,042,311; May 26.
Spot welder. J. L. Brown and W. R. Harding. 2,042,207; May 26.
Spot welding apparatus. F. Vetorino. 2,041,984; May 26.
Spout for containers, Pouring. R. W. Shore. 2,041,784; May 26.
Spindle bearing. F. E. Kelley. 2,041,934; May 26.
Spring protector. A. M. Ferrin. 2,041,914; May 26.
Spring tool. J. Allievi and H. Cadorette. 2,042,287; May 26.
Spun cakes produced by the centrifuge spinning process, Apparatus for the transportation and working off of. B. Borzykowski. 2,041,989; May 26.
Stand: *See*—
Display stand. Mortarboard stand.
Starter, Engine. J. A. Charter and T. Spacie. 2,042,248; May 26.
Starter, Engine. W. M. Reese. 2,041,861; May 26.
Starter mechanism. W. T. Carle. 2,041,900; May 26.
Steam generator. J. Buckley. 2,042,036; May 26.
Steering handle. W. L. Gordon and H. L. Johnson. 2,041,704; May 26.
Steering wheel. C. W. Beck. 2,041,738–9; May 26.
Stone picker. L. Schema. 2,042,193; May 26.
Stop and holder, Door. B. L. Craighead. 2,042,297; May 26.
Storage and dispensing apparatus for liquefied gases. L. J. White. 2,042,439; May 26.
Strain release. L. L. Cunningham. 2,041,821; May 26.
Strands, Apparatus for handling. Y. A. Bouget and D. V. Waters. 2,041,812; May 26.
Stream divider. D. Libbee. 2,041,770; May 26.
Strut, Shock absorbing. K. W. Warren. 2,042,371; May 26.
Suction box cover. J. S. Swauger. 2,042,198; May 26.
Sulphur compounds, Hydrogenating. W. A. Lazier and J. V. Vaughen. 2,041,840; May 26.
Support. L. C. Turnock. 2,042,241; May 26.
Support for popcorn poppers. L. H. Kuehn and H. W. Fritz, Jr. 2,042,406; May 26.
Support for wooden building construction, Metal. F. R. Walker. 2,042,370; May 26.
Supporting and driving means for motor-vehicles, Rear. H. N. Charles. 2,041,992; May 26.
Suspended matter in gaseous fluids, Detection of. H. C. Grant, Jr. 2,042,095; May 26.
Swimming device. T. J. Howland. 2,042,152; May 26.
Switch: *See*—
Disconnecting switch. One-button switch.
Fluid controlled switch. Time switch.
Switch box. C. S. Barkelew. 2,041,885; May 26.
Switch operating mechanism. F. H. Cole. 2,041,902; May 26.
Switch operating mechanism. F. H. Cole. 2,041,903; May 26.
Switching system. T. A. Spencer. 2,041,873; May 26.
Synchronizing clutch. L. J. Campbell. 2,042,168; May 26.
Table: *See*—
Adjustable table. Ironing table.
Folding table.
Tabulator. J. R. Peirce. 2,042,324; May 26.
Tamper for concrete road finishing machines. H. E. McCrery. 2,042,156; May 26.
Tank: *See*—
Combination mash and lauter tank.
Tanks, Method and apparatus for protecting oil storage. J. E. Pollock. 2,042,274; May 26.
Tape, Fastener. F. E. Wilson. 2,042,286; May 26.
Telephone system. A. H. Inglis. 2,041,933; May 26.
Telephone system. G. Sandalls, Jr. 2,041,964; May 26.
Telephone system. H. W. Ulrich. 2,041,879; May 26.
Temperature modifier for protecting growing crops. J. M. Seymour. 2,041,969; May 26.
Temperature regulator, Oil bath. D. D. Knowles. 2,042,182; May 26.
Testing apparatus. G. A. Fahy. 2,042,174; May 26.
Testing apparatus. E. Pugsley. 2,042,188; May 26.

Textile material and product thereof, Treating. G. Schneider. 2,041,868; May 26.
Textile process. G. Schneider. 2,041,728; May 26.
Textile process and product. G. R. Blake and G. W. Seymour. 2,041,692; May 26.
Thermographs on sterilizers, Mounting of. R. W. Webster. 2,042,032; May 26.
Thread and/or fabric. J. I. Taylor. 2,042,437; May 26.
Ticket issuing machine. R. H. Heisel. 2,041,831; May 26.
Tie raiser for railroads, Cross. E. Compitello. 2,042,389; May 26.
Tile, Reenforced slate. E. B. Walton. 2,041,886; May 26.
Time switch. C. E. Sundberg. 2,041,797; May 26.
Tire building machine. W. J. Breth and M. L. Engler. 2,041,990; May 26.
Tire spreader. S. A. Huebner. 2,042,312; May 26.
Titanium-bearing materials, Treatment of. S. S. Svendsen. 2,042,435; May 26.
Titanium compounds, Manufacture of. S. S. Svendsen. 2,042,434; May 26.
Titanium compounds, Purification of. S. S. Svendsen. 2,042,436; May 26.
Toaster, Electric. T. A. Edison, Jr. 2,042,215; May 26.
Toaster, Oscillating. C. C. Harpster. 2,042,226; May 26.
Tool: *See*—
Machine tool. Scraping tool.
Quarrying tool. Spring tool.
Tool for gauging and measuring, Universal. R. H. Ducey. 2,042,213; May 26.
Tooth brush. A. J. Planding. 2,042,239; May 26.
Tooth mounting for dental models, Removable. R. N. Torp. 2,042,200; May 26.
Top, Sifter. A. Limbach. 2,042,068; May 26.
Torsion testing mechanism. R. B. Lewis. 2,042,231; May 26.
Toy elements consisting of tubes, plates and connecting pieces, Constructional. J. F. Kennedy. 2,042,007; May 26.
Toy parachute device. F. V. Moore and A. B. Johnson. 2,042,270; May 26.
Track for track laying wheels. J. Kuchar. 2,041,830; May 26.
Track working machine. F. C. Stowell. 2,041,876; May 26.
Transmission. R. M. Nardone. 2,042,356; May 26.
Transportation system. D. W. Main. 2,042,265; May 26.
Trap: *See*—
Animal trap. Insect trap.
Tray, Composition. N. S. Clay. 2,042,210; May 26.
Track, Railway motor. K. S. Howard. 2,042,177; May 26.
Tube: *See*—
Pneumatic tire tube.
Tube rolling process. K. Korbuly. 2,041,937; May 26.
Tubes to headers, Joining. F. F. Fisher. 2,041,915; May 26.
Turbine, Hydraulic. A. Pfau. 2,042,071; May 26.
Typewriter. H. Bates. 2,041,736; May 26.
Typewriting machine. G. F. Handley. 2,042,000; May 26.
Typewriting machine. J. A. B. Smith. 2,042,163; May 26.
Uncoupling mechanism. A. J. Baseley. 2,041,807; May 26.
Union, Detachable. R. E. Jones. 2,042,229; May 26.
Unloader, Compressor. B. S. Aikman. 2,042,085; May 26.
Urea compounds and manufacture thereof, Quaternary heterocyclic. F. Schönhöfer and H. Henecka. 2,042,023; May 26.
Vacuum cleaner. G. W. and L. B. Allen. 2,042,228; May 26.
Vacuum device. R. A. Watson. 2,042,372; May 26.
Valve: *See*—
Ball-check valve. Sampling valve.
Flush valve.
Valve. W. Czarnecki. 2,041,906; May 26.
Valve. R. W. Leach and W. H. Bateman. 2,042,066–7; May 26.
Valve and cage, Compressor. M. S. Shepherd. 2,041,970; May 26.
Valve construction. V. W. Peterson. 2,042,186; May 26.
Valve seat for air blast valves. G. Fox. 2,042,301; May 26.
Vapor bath apparatus. G. Metzger. 2,041,852; May 26.
Vegetable slicing machine. H. R. Irick. 2,041,766; May 26.
Vehicle, Automotive. H. E. Swift. 2,042,079; May 26.
Vehicle body. A. H. Haberstump. 2,041,757; May 26.
Vehicle, Load weighing. E. A. Wickstrom. 2,041,987; May 26.
Vehicle, Motor. G. H. Hooper. 2,042,431; May 26.
Wall and floor construction. E. W. Marten. 2,042,113; May 26.
Wallboard construction, Exposed corner in. C. O. Walper. 2,041,799; May 26.
Wall clip construction, Resilient building. F. A. Manske. 2,041,773; May 26.
Wall construction. H. J. R. Barrett. 2,042,290; May 26.
Warning device for brakes. J. N. Good. 2,042,094; May 26.
Washing machine. W. K. Voss. 2,042,242; May 26.
Water heater, Instantaneous. I. Florman. 2,041,917; May 26.
Water outlet and salt inlet device for water softener. W. J. Kenney. 2,042,008; May 26.
Water-softener regenerating process and apparatus. F. X. and E. J. Lauterbur. 2,042,178; May 26.
Webs of fiber, Manufacture of rubber-reinforced waterlaid. M. O. Schur. 2,041,968; May 26.
Welding machine. W. H. Martin. 2,042,322; May 26.
Welding machine, Portable. P. W. Fassler. 2,041,918; May 26.
Well pumping unit. C. J. Wolff. 2,041,803; May 26.
Wells, Apparatus for heating and agitating. E. C. Hyde, Jr., and J. C. Renfro. 2,042,103; May 26.
Wheel: *See*—
Dual rim wheel. Steering wheel.
Wheel. H. M. Pflager. 2,042,160; May 26.
Window channel. C. P. Schlegel. 2,042,362; May 26.
Window locking device. V. A. Anderson. 2,041,684; May 26.
Wing, Slotted. E. A. Stalker. 2,041,793; May 26.
Wiper, Rail. C. D. Smith. 2,042,029; May 26.
Wireworking machine and method. E. H. Schane. 2,042,128; May 26.
Wrapper, Coin. F. C. Schmocker. 2,042,022; May 26.
Wrench. D. T. Wilson. 2,042,137; May 26.
Wringer. T. W. Behan. 2,041,686; May 26.
Wringer, Mop. W. L. Chew. 2,042,209; May 26.
X-Ray equipment for inspection. M. B. Adrian. 2,041,682; May 26.

CLASSIFICATION OF PATENTS

ISSUED MAY 26, 1936

NOTE.—First number = class, second number = subclass, third number = patent number

1— 3: 2,041,780
2— 70: 2,042,192
73: 2,042,305
91: 2,042,442
265: 2,042,286
247: 2,042,282
2,042,046
4— 145: 2,042,278
160: 2,041,852
213: 2,041,982
251: 2,042,276
255: 2,042,372
5— 286: 2,042,045
8— 2: 2,041,868
2,042,194
5: 2,041,607
9— 21: 2,042,152
22: 2,041,817
10— 27: 2,041,939
12— 7: 2,041,955
20: 2,042,275
33: 2,042,378
128.1: 2,041,695
129: 2,041,991
15—104.30: 2,042,407
110: 2,042,239
147: 2,041,823
155: 2,042,328
206: 2,041,985
210: 2,042,255
261: 2,042,209
16— 72: 2,041,914
176: 2,041,850
17— 45: 2,041,727
18— 1: 2,041,760
8: 2,042,433
24: 2,041,788
48: 2,042,096
50: 2,041,854
2,042,333
53: 2,042,047
2,042,048
54: 2,041,796
2,041,907
65: 2,042,016
2,042,393
59: 2,041,974
20— 1: 2,042,370
20: 2,042,084
2,042,158
2,042,175
35: 2,041,946
36: 2,042,246
42: 2,042,354
56.5: 2,042,077
74: 2,041,898
22— 65: 2,042,015
83: 2,042,037
190.1: 2,042,330
200: 2,042,409
202: 2,041,848
217: 2,041,721
23— 88: 2,042,436
188: 2,041,813
202: 2,042,434
2,042,435
212: 2,042,285
24— 19: 2,042,263
71: 2,042,154
81: 2,042,086
205: 2,042,325
25— 30: 2,042,395
26— 63: 2,042,010
28— 1: 2,041,692
2,041,728
2,041,837
29— 69: 2,041,742
84: 2,042,417
87.1: 2,042,287
89: 2,041,984
2,042,380
105: 2,042,081
148: 2,042,018
148.2: 2,041,899
151: 2,042,180
152: 2,041,956
29— 170: 2,041,860
29.0–65.1: 2,041,759
30— 1: 2,042,295
2,041,806
11: 2,041,924
45: 2,042,293
93: 2,041,778
99: 2,042,300
31— 99: 2,042,300
32— 40: 2,042,200
33— 1: 2,042,031
73: 2,042,040
98: 2,042,213
174: 2,041,993
215: 2,042,365
34— 24: 2,042,145
26: 2,041,687
35— 24: 2,042,361
25: 2,042,174
48: 2,041,758
36— 2: 2,041,819
22: 2,041,901
37— 145: 2,042,196
40— 20: 2,042,416
124: 2,041,756
125: 2,042,267
126: 2,041,909
130: 2,042,144
132: 2,042,368
158: R. 19,983
41— 14: 2,041,753
22: 2,042,211
24: 2,042,017
25: 2,041,743
41.5: 2,042,003
43— 69: 2,042,349
119: 2,042,236
45— 85: 2,041,994
46— 29: 2,042,007
86: 2,042,270
87: 2,041,737
47— 2: 2,041,969
58: R. 19,984
48— 38: 2,042,093
51— 12: 2,042,120
165: 2,042,257
215: 2,041,764
53— 4: 2,042,406
5: 2,042,226
6: 2,042,070
7: 2,042,262
54— 19: 2,042,082
55— 17: 2,042,193
32: 2,042,405
51: 2,042,232
56— 56: 2,042,256
131: 2,041,981
58— 6: 2,042,337
60— 52: 2,042,247
61— 28: 2,042,350
45: 2,042,327
62— 4: R. 19,988
103: 2,042,420
104: 2,042,013
115: 2,042,394
119.5: 2,042,373
122: 2,042,439
126: 2,042,419
141: 2,042,418
170: 2,041,725
178: 2,042,355
179: 2,041,741
63— 3: 2,041,944
64— 15: 2,042,069
65— 53: 2,042,210
66— 86: 2,042,146
110: 2,042,062
180: 2,042,149
68— 3: 2,042,102
9: 2,041,923
10: 2,042,074
2,042,075
32: 2,041,886
38: R. 19,986
2,041,711
69— 16: 2,041,700
2,041,701
70— 14: 2,042,026
29: 2,042,021
46: 2,042,025
72— 16: 2,041,800
17: 2,041,910
24: 2,042,290
36: 2,041,886
2,041,942
47: 2,042,113
70: 2,042,438
118: 2,041,773
121: 2,041,799
73— 51: 2,041,771
52: 2,042,032
54: 2,041,859
167: 2,041,762
74— 9: 2,042,248
41: 2,042,294
50: 2,042,083
59: 2,042,336
75: 2,042,242
143: 2,042,116
330: 2,042,189
336: 2,042,356
337: 2,042,235
552: 2,041,738
2,041,739
579: 2,042,078
75— 24: 2,042,292
63: 2,042,291
109: 2,042,121
165: 2,042,155
168: 2,041,865
2,041,866
2,041,867
76— 107: 2,042,012
77— 3: 2,041,898
2,042,379
79— 3: 2,042,375
80— 62: 2,041,937
81— 57: 2,041,876
68: 2,042,137
82— 9: 2,042,123
83— 9: 2,042,254
11: 2,042,042
44: 2,041,770
45: 2,042,204
84— 296: 2,042,080
87— 4: 2,042,411
5: 2,041,744
2,042,347
9: 2,042,035
12: 2,041,729
27: 2,042,130
88— 14: 2,042,095
2,042,281
16.2: 2,041,845
2,042,027
20: 2,041,719
24: 2,042,005
41: 2,042,400
48: 2,041,975
90— 13.5: R. 19,985
20: 2,042,258
21: 2,042,245
33: 2,041,894
91— 14: 2,042,386
39: 2,042,315
45: 2,041,765
68: 2,041,740
2,042,033
2,042,104
92— 2: 2,041,745
13: 2,041,958
21: 2,041,988
2,042,338
51: 2,042,198
94— 18: 2,041,961
2,042,408
19: 2,042,377
48: 2,042,156
95— 2: 2,042,253
4.5: 2,042,041
5: 2,041,853
2,042,049
6: 2,041,827
96— 3: 2,042,065
25: 2,041,950
97— 47: 2,041,832
101— 2: 2,042,310
99— 148: 2,042,173
149: 2,042,429
175: 2,042,227
188: 2,041,986
175: 2,041,730
101— 182: 2,042,060
288: 2,041,831
416: 2,042,432
102— 6: 2,042,401
103— 102: 2,041,999
115: 2,042,064
207: 2,042,004
260: 2,041,803
104— 279: 2,042,029
105— 139: 2,042,177
215: 2,042,265
230: 2,042,129
251: 2,042,151
253: 2,042,266
461: 2,042,260
106— 8: 2,041,835
9: 2,041,808
2,042,363
31: 2,042,038
36.1: 2,042,117
2,042,425
37: 2,041,733
40: 2,041,715
2,042,413
107— 59: 2,041,930
108— 6: 2,041,929
7: 2,041,761
110— 18: 2,041,973
33: 2,042,170
111— 52: 2,042,133
73: 2,042,014
112— 35: 2,041,945
113— 8: 2,042,250
112: 2,042,100
114— 16.7: 2,041,971
79: 2,041,963
115— 18: 2,041,704
116— 121: 2,042,351
124.1: 2,042,061
117— 2: 2,042,437
26.5: 2,042,340
35: 2,041,812
118— 9: 2,041,918
121— 48: 2,041,916
164: 2,042,001
194: 2,041,979
2,042,043
122— 6.6: R. 19,980
225: 2,042,036
249: R. 19,977
379: 2,041,779
123— 56: 2,041,708
73: 2,041,709
90: 2,041,983
179: 2,041,722
2,041,723
188: 2,042,364
191: 2,041,940
196: 2,041,928
2,042,191
125— 33: 2,042,368
33: 2,041,905
126— 350: 2,041,683
128— 25: 2,041,693
129— 16: 2,042,167
41: 2,042,366
132— 40: 2,042,397
79: 2,041,960
82: 2,042,089
133— 10: 2,042,022
134— 17: 2,041,712
2,042,053
136— 43: 2,041,834
89: 2,041,953
137— 68: 2,041,997
77: 2,042,309
93: 2,042,301
137— 145: 2,041,694
152.5: 2,041,922
153: 2,041,862
2,041,863
157: 2,041,836
165: 2,042,383
138— 29: 2,042,421
37: 2,042,271
81: 2,041,972
85: 2,042,132
139— 5: 2,041,864
20: 2,041,841
79: 2,042,422
186: 2,042,118
2,042,119
216: 2,042,307
295: 2,042,415
177— 7: 2,041,925
420: 2,041,976
140— 71: 2,041,805
2,042,128
145— 47: 2,042,273
146— 3: 2,042,341
91: 2,041,766
182: 2,042,161
217: 2,042,230
148— 8.1: 2,042,412
12: 2,042,124
16: 2,041,769
149— 2: 2,041,731
2,041,732
150— 49: 2,042,288
152— 13: 2,041,750
26: 2,041,988
27: 2,042,312
153— 82: 2,041,915
154— 2: 2,041,880
2,041,889
33: 2,042,174
278: 2,041,875
173— 259: 2,041,834
2,041,966
266: 2,041,842
332: 2,042,398
175— 183: 2,042,009
294: 2,042,187
175— 315: 2,042,044
2,042,263
320: 2,042,109
176— 16: 2,041,707
26: 2,042,126
42: 2,042,244
122: 2,042,143
2,042,147
2,042,148
2,042,162
2,042,172
2,042,261
124: 2,042,136
2,042,139
2,042,140
2,042,195
177— 7: 2,041,925
2,041,995
327: R. 19,990
2,042,280
329: 2,041,801
2,042,316
336: 2,042,201
2,042,214
178— 5: 2,041,822
6: 2,042,344
179— 6.3: 2,041,933
2,041,964
18: 2,041,873
35: 2,041,879
100.4: 2,042,237
171: 2,041,710
2,041,951
2,042,321
180— 43: 2,042,404
44: R. 19,987
73: 2,041,992
181— 31: 2,041,777
41: 2,041,767
183— 7: 2,042,181
8: 2,042,289
184— 21: 2,042,206
103: 2,041,920
185— 40: 2,041,797
188— 30: 2,042,352
78: 2,041,935
2,041,960
2,042,390
79: 2,042,445
79.5: 2,041,890
87: 2,041,872
152: 2,042,392
218: 2,041,776
189— 19: R. 19,982
36: 2,042,179
2,042,353
56: 2,042,002
192— 3: 2,042,202
6: 2,041,893
46: 2,042,358
53: 2,042,168
58: 2,041,927
66: 2,041,948
194— 4: R. 19,981
97: 2,041,785
2,041,888
101: 2,041,878
196— 10: 2,041,885
24: 2,042,298
28: 2,042,053
29: 2,042,050
2,042,051
2,042,052
2,042,054
33: 2,042,055
2,042,056
40: 2,041,754
53: 2,041,838
2,042,306
148: 2,041,957
197— 47: 2,041,736
63: 2,042,163
145: 2,042,000
200— 48: 2,041,877
50: 2,041,902

200— 52: 2,041,748
70: 2,042,269
81: 2,041,726
89: 2,041,908
138: 2,041,821
150: 2,042,335
153: 2,041,900
168: 2,041,685
201— 48: 2,042,334
63: 2,041,816
202— 52: 2,042,332
114: 2,041,882
2,041,883
204— 5: 2,042,241
6: 2,042,030
24: 2,041,954
206— 44: 2,042,039
2,042,107
89: 2,042,360
98: 2,042,446
209— 326: 2,042,072
440: 2,042,402
462: 2,042,444
210— 24: 2,042,008
2,042,178
39: 2,042,122
77: 2,042,106
R 196: 2,042,308
R 203: 2,041,763
211— 8: 2,041,749
213— 166: 2,041,807
214— 65: 2,042,382
90: 2,041,734
119: 2,042,388
140: 2,041,926
145: R. 19,979
215— 22: 2,042,367
43: 2,041,768
2,042,028
46: 2,041,91
79: 2,041,724
82: 2,042,355
216— 58: 2,042,167
217— 16: 2,042,324
3

217— 16: 2,042,329
2,042,339
89: 2,042,346
219— 4: 2,041,913
2,042,207
2,042,322
12: 2,041,978
19: 2,042,215
20: 2,042,182
37: 2,042,203
2,042,233
38: 2,041,815
39: 2,041,897
2,041,917
2,042,264
40: 2,042,272
220— 1.5: 2,042,440
2,042,441
9: 2,042,426
2,042,427
24: 2,041,938
85: 2,042,274
221— 11: 2,041,784
60: 2,042,096
2,042,348
62: 2,042,068
73.5: R. 19,978
2,042,190
84: 2,041,735
104: 2,041,887
106: 2,041,703
223— 88: 2,042,240
99: 2,042,403
226— 80: 2,041,891
83: 2,042,304
229— 6: 2,041,949
32: 2,042,135
47: 2,041,932
51: 2,042,073
54: 2,041,691
230— 5: 2,042,374
26: 2,041,717
27: 2,042,085
256: 2,041,921

235— 3: 2,041,752
82: 2,042,342
92: 2,042,324
117: 2,042,249
132: 2,041,943
138: 2,041,977
236— 9: 2,041,833
11: 2,042,217
237— 78: 2,042,186
238— 187: 2,042,099
243: 2,041,828
240— 2: 2,042,385
11.4: 2,042,138
2,042,153
2,042,199
41.2: 2,042,396
106.5: 2,041,843
242— 2: 2,042,381
130: 2,041,989
138: 2,042,311
244— 12: 2,041,786
2,041,790
2,041,791
2,041,792
2,041,793
2,041,794
2,041,795
19: 2,041,787
2,041,789
2,041,796
21: 2,042,159
29: 2,041,688
247— 3: 2,041,965
2,042,105
248— 160: 2,041,847
161: 2,042,443
166: 2,042,110
174: 2,041,751
312: 2,041,755
250— 15: 2,042,302
17: 2,041,830
20: 2,041,846
2,041,855
27: 2,042,234

250— 27: 2,042,251
27.5: 2,041,902
2,041,904
2,042,067
2,042,183
33: 2,042,319
2,042,320
34: 2,041,682
36: 2,042,345
251— 51: 2,042,066
2,042,067
87: 2,042,186
121: 2,042,216
144: 2,041,970
167: 2,042,301
253— 117: 2,042,071
254— 121: 2,042,389
255— 50: 2,041,689
2,041,690
64: 2,042,088
2,042,114
257— 3: 2,042,384
9: 2,041,870
37: 2,042,087
244: 2,042,141
2,042,142
289— 71: 2,042,108
102: 2,042,284
106: 2,042,006
122: 2,042,176
260— 2: 2,041,783
4: 2,042,313
11: 2,042,019
15: 2,042,259
16: 2,041,840
17: 2,042,423
27: 2,041,829
37: 2,042,165
41: 2,042,023
44: 2,042,205
48: 2,041,856
53: 2,041,871
61: 2,042,414
64: 2,042,343

260— 92: 2,041,851
95: 2,041,698
99.12: 2,042,410
106: 2,041,820
2,042,216
2,042,221
109: 2,041,705
2,041,716
128: 2,041,746
2,041,747
128: 2,041,782
2,041,838
138: 2,042,124
2,042,220
2,042,224
2,042,225
2,042,308
151: 2,041,702
2,042,210
154: 2,042,331
156: 2,042,212
2,042,214
162: 2,042,222
2,042,223
165: 2,041,814
261— 112: 2,042,127
114: 2,042,150
115: 2,041,959
126: 2,041,826
262— 28: 2,041,714
265— 13: 2,042,231
18: 2,041,809
40: 2,041,987
266— 33: 2,041,810
2,041,811
2,041,844
267— 64: 2,042,371
271— 14: 2,042,269
38: 2,042,131
273— 96: 2,042,494
274— 10: 2,041,713
2,041,718
2,042,228
40: 2,042,171

277— 20: 2,041,906
279— 61: 2,042,197
89: 2,042,376
280— 21: 2,041,963
33.1: 2,042,079
33.16: 2,041,857
80: 2,042,397
106.5: 2,041,986
124: 2,041,947
285— 166: 2,042,229
177: 2,042,125
286— 35: 2,041,781
287— 58: 2,041,809
75: 2,042,090
290— 30: 2,041,861
292— 87: 2,042,297
160: 2,041,984
236: 2,042,317
340: 2,042,024
293— 55: 2,041,931
295— 27: 2,042,160
296— 44: 2,041,757
44.5: 2,042,362
84: 2,041,804
137: 2,042,431
297— 15: 2,041,775
301— 55: 2,041,996
302— 66: 2,042,428
303— 1: 2,042,091
13: 2,041,884
20: 2,042,111
2,042,115
39: 2,042,092
42: 2,042,101
54: 2,042,112
86: 2,042,094
305— 10: 2,041,839
308— 4: 2,042,447
36.2: 2,042,166
53: 2,041,774
150: 2,041,984
242: 2,041,856
311— 36: 2,041,772
58: 2,042,226

U. S. GOVERNMENT PRINTING OFFICE: 1936

Patent Nos. 2,039,276 to 2,040,068

THE OFFICIAL GAZETTE OF THE United States Patent Office

Vol. 466—No. 1 TUESDAY, MAY 5, 1936 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, $5 cents each.
PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.
CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
Issue of May 5, 1936	1
Adverse Decisions in Interference	1
Disclaimer	1
Adjudicated Patents	1
Trade-Mark Registrations Canceled	1
Applications Under Examination	2
Decisions of the U.S. Courts—	
In re Crowell	3
In re Curtis	5
Patent Suits	7
Notice of Cancellation	8
Notice of Opposition	8
Trade-Marks Published (213 Applications)	9
Trade-Mark Registrations Granted	22
Labels	41
Prints	41
Reissues	43
Patents Granted	45
Designs	223

May 5, 1936

Trade-Marks	233—No.	334,390 to No.	334,622, inclusive.
Labels	27—No.	47,447 to No.	47,473, inclusive.
Prints	4—No.	15,683 to No.	15,686, inclusive.
Reissues	7—No.	19,983 to No.	19,989, inclusive.
Patents	793—No.	2,039,276 to No.	2,040,068, inclusive.
Designs	74—No.	99,493 to No.	99,566, inclusive.
Total	1,138		

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,756,291, C. F. Jenkins, Cell persistence transmitter, decided June 28, 1935, claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, and 13.

Pat. 1,918,209, Hans Laub, Heating system, decided April 10, 1936, claims 1, 2, 3, 4, 5, 6, and 7.

Pat. 2,002,781, J. W. Leighton, Hinged joint, decided April 11, 1936, claim 1.

Disclaimer

1,646,157.—*Herbert T. Leo*, Topeka, Kans. Dry-Powdered Jelly Base Containing Pectin and Sugar and Process of Making Same. Patent dated October 18, 1927. Disclaimer filed April 9, 1936, by *Herbert T. Leo, Stanton W. Forsman*, and the assignee, *Kwik-Set, Inc.*

Hereby enter this, their disclaimer, in respect to claims 3 and 4 of said Letters Patent.

Adjudicated Patents

(D. C. Mass.) Warren patent, No. 1,283,434, for timing device, claims 1, 2, 3, 8, and 9 *Held* not infringed. *Warren Telechron Co.* v. *Waltham Watch Co.*, 13 F. Supp. 562.

(D. C. Mass.) Warren patent, No. 1,334,423, for indicator for electrically-driven clocks, claims 1, 4, and 7 *Held* valid but not infringed. *Id.*

(C. C. A. Ohio.) Sloper patent, No. 1,372,567, for method of manufacturing the covers of pneumatic tires, claims 2, 3, and 4 *Held* not infringed. *Firestone Tire & Rubber Co.* v. *U. S. Rubber Co.*, 79 F.(2d) 948. (To correct notice appearing in 463 O. G. 227.)

(C. C. A. Ark.) Adams and Reilly patent, No. 1,549,175, for double-acting hollow-plunger, *Held* not infringed. *El Dorado Foundry Machine & Supply Co.* v. *Fluid Packed Pump Co.*, 81 F.(2d) 782.

(C. C. A. N. D.) Butler patent, No. 1,593,791, for lubricating apparatus, claim 1 *Held* valid only if limited to precise form shown in specifications and drawings or their clear mechanical equivalents, and not infringed as so limited. *Stewart-Warner Corporation* v. *Jiffy Lubricator Co.*, 81 F.(2d) 786.

(D. C. Mass.) Holtz patent, No. 1,892,552, for alternating current motor and method of controlling the speed thereof, *Held* invalid. *Warren Telechron Co.* v. *Waltham Watch Co.*, 13 F. Supp. 562.

Trade-Mark Registrations Canceled

138,675. Candy. A. G. Morse Co., Chicago, Ill. Registered January 4, 1921. Canceled April 4, 1936.

206,644. Certain named toilet preparations. Parfumerie Roger & Gallet, Paris, France. Registered December 8, 1925. Canceled April 18, 1936.

284,225. Rum. Compania Ron Bacardi, S. A., Santiago de Cuba, Cuba. Registered June 16, 1931. Canceled April 18, 1936.

284,228. Rum. Compania Ron Bacardi, S. A., Santiago de Cuba, Cuba. Registered June 16, 1931. Canceled April 18, 1936.

314,763. Wines. Charles T. Takahashi, Seattle, Wash. Registered July 10, 1934. Canceled April 18, 1936.

316,379. Wire rope. New York Cordage & Cable Co., Inc., New York, N. Y. Registered August 21, 1934. Canceled April 18, 1936.

319,866. Fabrication of Aguardiente (alcohol distilled from sugar cane) and wine. Mexican American Habanero Corporation, New York, N. Y. Registered December 4, 1934. Canceled April 18, 1936.

329,606. Ready mixed paints, paint enamels, and varnishes. The William Connors Paint Mfg. Co., Troy, N. Y. Registered November 5, 1935. Canceled April 18, 1936.

Condition of Applications Under Examination at Close of Business April 18, 1936

(Total number of applications awaiting action, excluding Trade-Mark Division, 31,931; Trade-Mark Division, 1,521. Oldest new case, December, 21, 1935; oldest amended, December 18, 1935. The dates given are 1936 except where † indicates 1935.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Feb. 17	Feb. 24	304
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Velocipedes; Butchering; Bee Culture.	Jan. 2	Jan. 2	744
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Jan. 18	Jan. 21	582
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Jan. 22	Jan. 21	478
3628	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Jan. 23	Jan. 21	459
4896 C	6. LEWERS, A. M., Carbon Chemistry	Jan. 24	Jan. 30	485
5725	7. JARBOE, C. O., Optics; Photography	Feb. 7	Feb. 7	717
3699	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Feb. 8	Feb. 8	432
4634	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Feb. 26	Feb. 26	310
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Feb. 26	Feb. 26	229
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Jan. 25	Jan. 22	450
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	Jan. 18	Jan. 18	408
5086	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Feb. 19	Feb. 18	335
5097	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Jan. 18	Jan. 14	571
4897	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	Feb. 4	Feb. 4	700
5612	16. SPENCER, C. J., Telegraphy; Telephony	Jan. 18	Jan. 18	525
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Jan. 20	Jan. 18	615
4612	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Jan. 10	Jan. 9	434
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Jan. 18	Jan. 23	534
6613	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking	Feb. 4	Feb. 3	268
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Jan. 21	Jan. 21	534
5734	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Jan. 23	Jan. 23	582
7624	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	†Dec. 21	†Dec. 18	503
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Jan. 25	Jan. 20	440
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Jan. 24	Jan. 18	522
5823	26. ADAMS, W. M., Electricity, Generation; Motive Power	Feb. 17	Jan. 31	308
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	Jan. 20	Jan. 20	438
4628	28. BENSON, A. R., Internal-Combustion Engines	Jan. 29	Jan. 9	406
5082	29. SHKLARIN, J. R. (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Supports, Tables.	Feb. 8	Feb. 12	340
4074	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Jan. 18	Jan. 18	567
4716	31. DUNCOMBE, C. S. (Act.), Gas, Heating and Illuminating; Mineral Oils	Jan. 24	Jan. 20	510
4086	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Feb. 5	Feb. 5	407
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads and Pavements.	Jan. 30	Feb. 13	498
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Jan. 22	Jan. 18	391
3600	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Filling and Closing Portable Receptacles.	Jan. 20	Jan. 20	547
7892	36. McFADYEN, A. D., Measuring Instruments; Force Measuring; Automatic Weighers	Feb. 24	Feb. 24	205
5666 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Jan. 22	Jan. 18	526
7310	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Feb. 3	Feb. 4	389
4872	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Feb. 20	Feb. 24	301
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Jan. 9	Jan. 15	960
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Jan. 20	Jan. 20	522
5852	42. CUTTING, H. O., Electric Signaling	Jan. 20	Jan. 18	399
4596 B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Jan. 20	Jan. 22	637
4087 B	44. SHAFFER, C. H., Refrigeration; Dispensing Beverages	Jan. 18	Jan. 20	614
7097	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Feb. 24	Feb. 27	256
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements.	Jan. 24	Jan. 24	441
7800	47. BARKER, H., Clutches; Brakes	Feb. 5	Jan. 27	494
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Jan. 21	Jan. 21	453
7726	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Feb. 17	Feb. 24	411
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	Jan. 7	Jan. 7	882
5626	51. BACKUS, C. D., Radiant Energy	Feb. 12	Feb. 12	543
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housings; Laminated Packing.	Jan. 29	Jan. 18	503
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Jan. 18	Jan. 18	614
5674	54. WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	Jan. 23	Jan. 23	394
6857	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	†Dec. 27	†Dec. 19	752
4725	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation	Jan. 25	Jan. 23	710
3629	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Exercising Devices.	Feb. 18	Feb. 18	238
5606	58. DOWELL, E. F., Abrading; Bottles and Jars	Jan. 22	Jan. 22	389
4709	59. RICHARD, V. I., Chemistry; Fertilizers	Feb. 11	Feb. 12	551
5696	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Feb. 18	Feb. 18	250
6724	61. PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus.	Jan. 30	Feb. 7	270
3576	62. COCHRAN, W. W., Games; Geometrical Instruments	Feb. 20	Feb. 19	398
4888	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	Jan. 21	Jan. 18	455
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel; Alcohol.	Feb. 1	Jan. 30	678
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	†Dec. 27	†Dec. 27	65
2099 B	Trade-Marks, Labels, and Prints: F. A. RICHMOND	Mar. 18	Apr. 4	1,282
		Mar. 16	Apr. 1	220
2606	Designs, H. H. KALUPY (Act.)	Mar. 19	Apr. 4	502

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE CROWELL

No. 3,594. Decided February 3, 1936

[81 F.(2d) 402]

1. PATENTABILITY—REISSUE APPLICATION—ESTOPPEL.

Certain claims of a reissue application *Held* improperly rejected on the ground of alleged estoppel arising out of cancellation of certain claims by applicant during prosecution of original application.

2. SAME—DEVICE FOR USE IN CONNECTION WITH WELL CASING.

A claim of reissue application for device used in connection with well casing *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Modified.

Mr. Joseph F. Westall and *Messrs. Milburn & Milburn* for Crowell.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GARRETT, *J.*:

The application here involved, Serial No. 653,110, filed in the United States Patent Office January 23, 1933, is for reissue of Patent No. 1,828,099, for apparatus in cementing wells, granted to applicant October 20, 1931, upon an application, Serial No. 208,539, filed July 26, 1927.

The patent recites that its disclosures were contained in another application, Serial No. 171,851, filed March 1, 1927, and, from the specification in the instant case, it appears that said application, Serial No. 171,851, matured into Patent No. 1,828,098 on October 20, 1931, the same date as that of Patent 1,828,099, reissue of which is here sought. See also *In re Crowell*, 23 C. C. P. A. (Patents) 725, 79 F.(2d) 746, 463 O. G. 4, decided November 25, 1935.

We understand the situation to be that applicant on March 1, 1927, filed an application Serial No. 171,851; that subsequently, and while that application was pending, he filed at least two others in the nature of divisional applications thereof; that all three of the applications matured into patents on October 20, 1931; that thereafter applicant filed applications for the reissue of the two patents granted upon the divisional applications; that one of those applications for reissue was involved in the case of *In re Crowell*, supra, and that the other is involved here.

During the prosecution of application Serial No. 208,539, and before it had matured into the patent, reissue of which is here sought, applicant cancelled from it quite a number of claims, this cancellation being in response to a rejection of them on a patent No. 1,684,551, issued to one S. E. Manning September 18, 1928, upon an application filed March 1, 1927.

The principal issue in this case grows out of that act of cancellation.

Fourteen claims are here involved, Nos. 1 to 10, inclusive, No. 13, and Nos. 17 to 19, inclusive.

The subject matter seems fairly to be illustrated by claims 1 and 13, which read:

1. Well casing having a series of ports intermediate its upper and lower ends; valvular means tending normally to maintain closure of said ports; a plug carrying means slidably fitting and closing the bore of said casing at points of peripheral contact therewith and adapted to be moved by fluid-pressure means downwardly therethrough and by pressure on said valvular means in its downward course to open said ports; means below said ports to arrest the downward movement of said plug and thus close the bore of said casing by the sliding fit of the plug with said casing bore.

13. In combination, a ported coupling for aligned casing sections; valves for the ports of said coupling normally closing the same against the passage therethrough of fluid in either direction; and means comprising pressure fluid and a barrier for separating pressure fluid from cementing mixture actuated thereby for opening the ports to the passage therethrough of said pressure fluid from said port and then closing the bore of the coupling below the ports.

The Examiner rejected all the claims here upon appeal on two grounds, viz., (1) unpatentability over prior art cited, the principal reference being the patent to Manning, and (2) estoppel, because of the cancellations above alluded to.

Upon all the claims except No. 13, the Board of Appeals reversed the Examiner as to the first ground, but affirmed as to the second ground. Upon claim No. 13 the Board affirmed as to both grounds. The only reference before us is the patent to Manning, and that, by the decision of the Board, is to be considered only in connection with claim No. 13. As to all the other claims, the rejection rests solely upon the ground of estoppel.

The following is quoted from the statement of the Examiner:

This invention relates to an apparatus for cementing wells. In the art of making oil wells it is necessary to drill deep to reach the oil bearing stratum and usually before such stratum is reached it is necessary to pass a water bearing stratum or several of them and it is necessary to shut the water in the core. The apparatus disclosed comprises a casing which has ports intermediate thereof at the same level and an internal sleeve valve is within the casing closing the ports and a spring coil below the sleeve valve keeps the valve elevated to close the ports. Cement is placed between two slidable piston plugs and driven by fluid pressure above the upper plug until the lower plug comes in contact with the sleeve and depresses it opening the ports. The plug also closes the central bore of the casing below the ports and it has anchoring means which anchors the plug in the casing. Further movement of the upper plug drives the cement grout through the open ports forcing the external back pressure valves open. When the cement is driven out of the casing the upper plug is set on the lower plug. After the cement is set both plugs may be drilled out and whatever further operations which may be necessary are performed through the open casing the water having been shut off by the cementing procedure.

When the claims above quoted as illustrative are studied in the light of the foregoing, it is thought they sufficiently explain themselves and that no detailed analysis of them need be made.

It will be observed from reading claim No. 1, supra, that it calls for "a plug carrying means slidably fitting and closing the bore of said casing * * *." Each of the appealed claims, except No. 13, contains this limitation of a slidably fitting plug, or equivalent means. The Examiner, giving his reasons therefor, held, in effect, that this limitation did not distinguish in a patentable sense from Manning. The Board said:

It is our opinion that it cannot be assumed that Manning employed a slidably fitting plug and therefore we do not

consider that any of the appealed claims, except claim 13, is properly anticipated by Manning. Claim 13 we believe does not sufficiently distinguish from this patent.

We understand this to mean that had prior art only been involved all the claims, except claim No. 13, were, in the opinion of the Board, allowable, and its subsequent reversal of the rejection of the Examiner amounts to an adjudication of this issue by which this court is bound, there having been no appeal, as indeed (under the terms of the statute regulating appeals to this court) there could not have been, upon this point.

When, however, the Board came to a consideration of the ground of estoppel, and measured the appealed claims by those which were cancelled, it held, in effect, that the language of the cancelled claims, properly construed, was sufficiently specific to embrace the limitation respecting "a plug slidably fitting * * *."

The Examiner, in his discussion of this ground, said, with respect to the slidably fitting plug limitation, and all other limitations not found in the cancelled claims but appearing in the appealed claims:

The newly proposed claims are believed to be of the same scope [as the cancelled claims] because the additional limitations added are the ordinary features found in the cementing art and they do not introduce any additional patentability to the claims.

The foregoing seems to us to indicate that the Examiner, when considering the ground of estoppel, had still in mind the prior art. That is to say, when he speaks of the limitations as being the "ordinary features found in the cementing art" he evidently was measuring such limitations by prior art, either as taught in patents or by common practice, and not by the language of the cancelled claims.

The brief of the Solicitor for the Patent Office says:

The mere fact that the new claims contain limitations not in the abandoned claims is not necessarily a reason for allowing the new claims. The nature of the differences must be looked to, and if they are only noninventive variations there is certainly no warrant for allowing a claim merely on the basis of its containing some limitations which are of no patentable significance.

At another point the Solicitor's brief says:

* * * Although the appealed claims contain limitations not in the cancelled claims, it is submitted that the *Examiner* rightly ruled that the additional limitations added are the ordinary features found in the cementing art and they do not introduce any additional patentability to the claims. [Italics ours.]

We accept the first paragraph above quoted from the Solicitor's brief as being a correct statement of the law, but a difficulty confronts us in applying it here because, although the *Examiner* held as stated, the *Board of Appeals* did not so hold, and we are concerned with the decision of the latter.

Nowhere in the Board's decision do we find any ruling by it to the effect that the limitations added are the ordinary features found in the cementing art. Upon the contrary, the slidably fitting plug feature, at least, was held to be new and patentable over the prior art.

In this respect the decision of the Board in the instant case differs from its decision in the case of *In re Crowell*, supra, which was affirmed by us.

There certain method claims were involved. They were rejected by the Examiner upon both prior art and estoppel, he being of the opinion that there would be no invention in substituting certain elements of certain references cited for a particular element shown in another patent to Crowell. The Board stated its disagreement with the Examiner upon this point, but expressly held that the limitations inserted in the claims there appealed, which did not appear in the claims that there had been cancelled, were "old steps," and hence patentability was not involved by adding them to the cancelled claims.

There was nothing in the Board's opinion in that case to indicate that if the applicant had not cancelled the claims, but had amended them by inserting the limitations, they would, in its view, have been allowable over the prior art. Here, as has been indicated, it seems clear that had applicant, instead of cancelling, amended the claims by inserting the limitations, they (except claim No. 13) would, in the opinion of the Board, have been allowable.

[1] Under this state of facts, it does not seem to us that the doctrine of estoppel may properly be applied.

The Board quotes cancelled claim No. 6 "as representative of the cancelled claims most closely related to the claims on appeal." It reads:

6. Well casing having a ported section, valvular means for the port, a plug adapted to close the entire bore of the casing and adapted to be lowered in the casing for opening the valvular means, and a second plug adapted to be lowered in the casing in back of the first plug.

The Board then said:

It will be noted that this claim specifies a plug adapted to close the entire bore of the casing and in our opinion this necessarily means a plug slidably fitting the bore and capable of being forced down by fluid pressure. We consider, therefore, that this claim is as restricted as the appealed claims.

It is difficult to reconcile this holding with the prior holding where the claims were measured by the patent to Manning, and found to be patentable over Manning.

It may be said that, on behalf of appellant, it is pointed out that many of the new claims contain limitations other than the slidably fitting plug limitation. These are not discussed in the Board's decision, and we do not find it necessary to discuss them here. Just how important any of the limitations may be in a practical sense, we do not undertake to say. They seemed to the Board to be of sufficient importance in a patentable sense to distinguish from the Manning patent, and we think that by the same reasoning they may properly be held so to distinguish from the cancelled claims as to justify their allowance.

[2] The foregoing, however, does not apply to claim No. 13. We think it was properly rejected upon the prior art.

For the purpose of clarity, it seems proper to draw attention to the fact that one distinction, not hereinbefore noted, between this case and the case of *In re Crowell*, supra, is that here the cancelled claims were cancelled from appellant's divisional application, Serial No. 208,539, while in the earlier case the cancelled claim upon which the issue turned was cancelled from appellant's so-called parent application, Serial No. 171,851 (and not from the divisional application, Serial No. 331,411, which matured into the patent, reissue of which was there sought), and to the further fact that, in the instant case, the record upon which we have to determine the controversy contains nothing which admits of our considering the claim there cancelled, quoted in our opinion there, in measuring the claims here appealed, and we have not done so.

The decision of the Board of Appeals is affirmed as to claim No. 13, and reversed as to claims numbered 1 to 10, inclusive, and 17 to 19, inclusive.

Modified.

U. S. Court of Customs and Patent Appeals

IN RE CURTIS

No. 3,887. Decided February 3, 1936

1. PATENTABILITY—NEW MATTER—PILE FABRIC AND METHOD OF MAKING SAME.

Certain claims for a pile fabric and method of making same *Held* improperly rejected as involving new matter in view of showing in applicant's drawing and the not inconsistent description in his specification as filed.

2. SAME—PILE FABRIC AND METHOD OF MAKING SAME—CLAIMS PATENTABLY DISTINCT FROM ISSUE OF PREVIOUSLY DISSOLVED INTERFERENCE.

Certain claims of application for a pile fabric and method of making same, said fabric consisting of a loosely woven backing impregnated with an adherent binder and pile threads woven through said backing, which claims recite the limitation that the bight portions of the pile threads protrude from the backing and binder, *Held* improperly rejected as failing to distinguish patentably from the issue of previously dissolved interference involving the application; and other claims omitting said limitation *Held* properly rejected on the prior art.

APPEAL from the Patent Office. Modified.

Mr. Joseph G. Denny, Jr. and *Mr. Stephen H. Philbin* for Curtis.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner, rejecting all of the claims of appellant's application upon various grounds, which grounds will be hereinafter stated and discussed.

Twelve claims are involved, numbered from 37 to 48, inclusive. Claims 37, 38, 39, 42, 43, 44, 45, and 48 are product claims, and claims 40, 41, 46, and 47 are method claims.

Claims 37, 40, and 46 are illustrative of the claims in issue and read as follows:

37. A pile fabric having a nodulated back and comprising a loosely woven backing, pile threads woven through said backing and forming a pile face on one side of said backing and forming bights on the other side of said backing producing a nodulated surface, and a bed of normally insoluble pliable adherent substance in said backing and binding together said backing and pile, the tips of said pile bights protruding from said bed and the protuberance of such tips giving a textile feel to the back of the fabric which is not obliterated by said substance.

40. In the manufacture of pile fabrics, the steps which consist in simultaneously fabricating a backing and pile loops having bights forming a nodulated surface on said backing, then permeating said backing with an adherent substance, and solidifying said substance into a pliable bed in said backing which does not obliterate the tips of said pile bights, such tips projecting from said bed to form a nodulated surface.

46. (Based on former claim 22.) In the manufacture of pile fabric, the steps which consist in loosely weaving a backing of ground warp yarns and weft yarns and looping pile tufts over each of said wefts during the weaving of said backing, permeating said backing with a flexible adherent material to secure said pile tufts and said ground warp yarns and weft yarns relatively to one another, solidifying said adherent material by heat, and dyeing the fabric after solidification of said material.

The references cited are: Hill, 28,484, May 29, 1860; Bartlett, 1,271,005, July 2, 1918; Johnson, (British), 2,808, November 8, 1861; Mendess (British), 12,128, of 1912.

As indicated by the above quoted claims, appellant's application relates to pile fabrics and method of making the same, and the alleged invention is described in the brief of appellant as follows:

The invention relates to warp pile fabrics which, as set out in the original description, are woven so loosely that they "would ordinarily be unsuited for use because of the shedding of pile fibres from the backing and the lack of firmness or body of the latter". (Rec. p. 4.) "As illustrated diagrammatically in Figs. 1 and 2, the double pile fabric 1 has its *backings woven respectively from the warps 1, 2 and wefts 3 and from warps 4, 5 and wefts 6* and connected by pile warps 7 and 8 looped over the weft threads 8 and 6. * * * In order to decrease the number of weft threads and increase the output, the weft threads may be beaten up quite loosely so that the wefts are relatively widely spaced and the pile warps are but loosely bound by the engagement of the threads. *The pile warps are, however, firmly fixed to the backing fabrics by an adherent composition applied to the weft threads during weaving* or to the backing fabrics after weaving, and which permeates the backings so that when the composition solidifies it forms a flexible tenacious sheet or coating 9 securely embedding the looped pile threads, uniting them to the base fabrics and permitting them to be cut apart by a cutter 10, handled and dyed without shedding fibres" (Rec. pp. 5, 6).

* * * * * * *

Applicant's primary departure from the teaching of the prior art was in the conception of weaving pile fabrics with backing threads interlaced so loosely that the fabrics would be unfit for dyeing and finishing or any pile fabric use, and of anchoring the pile tufts and reenforcing the backing by seams of a binder layer.

But supplementary and complementary to this broad concept, and of greater commercial importance, was the concept that the looseness of the weave of the backing (as distinguished from the mere use of a loose or V-pile) permitted the anchoring substance to permeate into the interstices of the fabric and leave the tips or ends of the pile bights projecting from the back beyond the surface of the bed of impregnating substance. This eliminates the flat continuity of surface formed by coatings of the prior art, binds the backing threads and pile legs together at points within the backing, permits pleating and folding as in purely textile fabrics, and retains the textile feel and handle of the back of the fabric by avoiding the obliteration of the projecting pile bights which give the pimply or nodulous appearance and feel to the surfaces of V-pile textiles.

With respect to what is stated in the above quotation as a supplementary concept, while four of the drawings of appellant's original application show the ends of the pile bights extending below the surface of the impregnating substance, the fifth drawing did not show this feature. However, this drawing and the written description of the same were cancelled by appellant before the final rejection of the claims before us.

During the prosecution of the cause in the Patent Office, and before final rejection of the claims by the Examiner, appellant sought to amend his written description by certain amendments, of which the following is illustrative:

Page 4, line 14, after "fabric" insert—*such substance forming a bed lying principally within the thickness of the fabric as measured from its out faces to the tips of the pile bights*; line 21, change "coating" to—*layer or bed*; line 28, after "backing" insert—*and leave the tips of the pile bights projecting to form a rough or nodulated back.*

These amendments were denied by the Examiner as constituting new matter, and this action was affirmed by the Board of Appeals.

Claims 37 to 41, inclusive, were rejected by the Examiner as involving new matter and a change

of concept, such alleged new matter being in the particulars covered by the proposed amendments. These claims were also rejected over the counts of issue of Interference No. 58,408, which involved appellant's application here in issue, in view of the patents to Hill, Bartlett, and Mendess, the Examiner stating that the decision in said interference was adverse to appellant; said claims were further rejected as being unpatentable over the patent to Bartlett in view of the patents to Mendess and Hill.

The Board affirmed the decision of the Examiner upon all of the grounds of rejection assigned by him.

We will first consider the rejection of claims 37 to 41, inclusive, upon the ground that they involved new matter.

[1] We are unable to concur in this ground of rejection. The drawings 1 to 4, as originally filed, clearly show the tips of the pile bights protruding from the bed of the pliable adherent substance, and we do not think that this disclosure is inconsistent with the written description of appellant's invention. It is true that the Examiner quoted one portion of the written description in appellant's application that may seem to be inconsistent with the above named feature of appellant's drawings 1 to 4. That quotation is as follows:

> The agglutinant composition may be applied in any suitable way which will leave the tips of the piles free, as for instance, by impregnating the backing by immersion or in contact with an agglutinant after the fabric is woven, * * *.

The Examiner, however, failed to quote the balance of the sentence, reading as follows:

> * * * or by coating the weft threads with a rapidly solidifying viscous agglutinant as they leave the shuttles.

Appellant contends that the last above quoted language clearly implies that the flexible, tenacious sheet or bed must be formed within, and not on the back of, the fabric, leaving the ends of the bights projecting beyond said sheet to form a nodulated surface in complete conformity with drawings 1 to 4 of the application.

We are in agreement with this contention of appellant; at any rate we find no inconsistency between said drawings and the written description in the application.

Rule 68 of the Rules of Practice of the Patent Office provides that an applicant has a right to amend before or after the first rejection or action, and rule 70 reads as follows:

> 70. In original applications all amendments of the drawings or specifications, and all additions thereto, must conform to at least one of them as it was at the time of the filing of the application. Matter not found in either, involving a departure from the original invention, can not be added to the application even though supported by a supplemental oath, and can be shown or claimed only in a separate application.

It is clear to us that, inasmuch as the drawings clearly disclose the matters sought to be described by the proposed amendments, and inasmuch as such amendments in our opinion did not involve a change of concept of the invention as disclosed in the written description, said proposed amendments should have been allowed and it was error to exclude them.

In appellant's appeal to the Board he specifically assigned error in excluding said amendments, and in the reasons of appeal here there is included specifically as error the failure of the Board to "overrule the refusal of the Examiner to enter appellant's proposed amendments."

We therefore hold that the amendments hereinbefore referred to should have been admitted, and they will be considered by us as a part of appellant's application. In accordance with the foregoing, we further hold that the Board of Appeals erred in affirming the rejection by the Examiner of claims 37 to 41, inclusive, upon the ground that they involve new matter.

Said last named claims, together with claims 42 to 48, inclusive, were further rejected by both tribunals of the Patent Office as being unpatentable over the counts of issue of Interference No. 58,408, in view of the patents to Hill, Bartlett, and Mendess. This was an interference between the application now before us and an application of one Crabtree. Two counts were involved, which read as follows:

> 1. A pile fabric having a loosely woven backing, warp pile threads having their bases looped through said backing and their projecting ends cut, said backing being too loosely woven to alone firmly hold said warp threads for use, and a flexible adherent material securing the bases of said warp threads to said backing.
>
> 2. The method of making pile fabric which comprises weaving a loose textile backing with pile warps having cut projecting ends and so loosely enmeshed therein as to be normally moveable relatively thereto and unsuitable for use and impregnating said fabric and the base of said pile with an adherent composition.

The appellant here moved to dissolve the interference upon the ground that the party Crabtree had no right to make the claims corresponding to said counts. This motion was denied by the Examiner of Interferences and priority of invention upon both counts was awarded to the party Crabtree. Curtis, the appellant here, appealed to the Board of Appeals, again raising the question of the right of the party Crabtree to make the claims corresponding to the counts. The Board reversed the Examiner of Interferences and held that the party Crabtree could not make the claims corresponding to the counts, but at the same time recommended that the interference be dissolved upon the ground that the counts were unpatentable to either party in view of patents to Hill, Goodall, Bartlett, and Johnson. Three of these patents are cited in the *ex parte* case before us, but the Goodall patent is not.

Thereafter, upon said recommendation, the Commissioner dissolved the interference. Subsequently, the claims in appellant's application corresponding to said counts were rejected in *ex parte* action by the Examiner; appellant took no appeal to the Board from such rejection, but apparently cancelled said claims and introduced into the application new claims which are now before us.

It will be observed that neither of the counts of the interference hereinbefore quoted contains the element of the tips of the pile bights protruding from the bed of a pliable adherent substance, and in our opinion none of the references disclose or suggest this element which is found in claims 37 to 41, inclusive.

The Solicitor for the Patent Office does not urge that the counts of said interference should be regarded as prior art, but states that they are a

> "convenient standard of comparison from which to note the difference in any other claims presented, to see if the difference is sufficient to impart patentability."

Appellant strenuously insists that the counts of said interference are irrelevant to the issues here involved in that the Board of Appeals found in his favor on the motion to dissolve the interference upon the ground that the party Crabtree had no right to make the claims corresponding to the counts, and hence the usual rule in interference proceedings with respect to claims made by the losing party has no application.

The Solicitor for the Patent Office, on the other hand, contends that the decision of the Board of Appeals was adverse to the appellant in that the Board, upon its own motion, found that the counts were unpatentable, and for that reason no award of priority was made to appellant but the interference was dissolved. For that reason the Solicitor contends that the usual rule with respect to claims made by a losing party is applicable to the extent that there must be a patentable distinction between the new claims before us and the counts of the interference.

[2] We do not find it necessary to pass upon these respective contentions for the reason that we find a patentable distinction between claims 37 to 41, inclusive, on the one hand, and the counts of the interference upon the other. This distinction resides in the element of the tips of the pile bights protruding from the bed of a pliable adherent substance, which element we find is also embraced in claims 43, 44, and 45. As already stated, this element is not disclosed or suggested in the references, and these 8 claims should therefore be allowed.

With respect to claims 42, 46, 47, and 48, while we find no patentable distinction between said claims and the counts of the interference, in view of the cited references, we think that the cited references alone show that said claims are unpatentable, regardless of the counts of the interference; therefore, we do not find it necessary to decide whether or not said counts may properly be considered with respect to the patentability of said claims. One of the grounds of rejection of these claims by the Examiner was upon the patent to Bartlett alone, and inasmuch as there was a general affirmance of the decision of the Examiner by the Board of Appeals, this ground of rejection is properly before us. *In re Wagenhorst*, 20 C. C. P. A. (Patents) 991, 64 F.(2d) 780, 433 O. G. 223.

The patent to Bartlett was considered by us in the case of *In re Crabtree*, 22 C. C. P. A. (Patents) 910, 74 F.(2d) 998, 455 O. G. 506, and was there described as follows:

> The patent to Bartlett shows a floor covering wherein a textile fabric is partially embedded in and surfaced upon one side with a flexible waterproof material. The drawing with the application shows the web to be made with the ordinary number of warp and weft threads and the pile threads are of the V-type surrounding one weft thread. The patentee states: "While I have shown the fabric to be a cut pile texture, I in no sense wish to be limited to this form of fabric as I contemplate the use of fabric with loosely woven woof or weft strands as well as fabrics having a nap." The flexible covering on the back of the fabric is shown to enter the interstices of the fabric, partially embedding the pile, and with an undulated surface on the lower or back side of such covering so that the article will not slide easily on a smooth surface, and for other useful purposes. * * *

The Examiner stated, with respect to this ground of rejection, as follows:

> * * * Bartlett shows a pile fabric of the nature of that set forth in the claims, having a coating which differs from that being claimed only in the matter of thickness. It is not thought that mere variation of the thickness of the coating imparts any patentability to the structure; nor does any change in the looseness or tightness of the weaving. It would be well within the scope of the fabric designer to effect such variations, and no unobvious result would be secured by effecting them. The resulting fabric, if woven loosely and given only a thin coating, would fully meet the claims.

We are in accord with these views of the Examiner and find no error in the decision of the Board rejecting said claims 42, 46, 47, and 48.

For the reasons stated herein, the decision of the Board of Appeals is modified, being reversed as to claims 37 to 41, inclusive, 43, 44, and 45, and affirmed as to claims 42, 46, 47, and 48.

Modified.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,307,734, A. V. Gullborg, Lubricating means; 1,802,700, V. A. Boker, Nozzle for lubricating systems; filed May 11, 1935, D. C., N. D. N. Y., Doc. 2,893, *Min-A-Mix Co. et al.* v. *Scharoun Mfg. Co. et al.*

1,325,234. (See 1,969,178.) 1,329,755. (See 1,370,097.)

1,330,542, H. W. Kulp, Valve spring lifter; 1,879,330, Kulp & Dellinger, same, D. C., N. D. Iowa, E. Div., Doc. E 242, *K-D Mfg. Co. et al.* v. *Waterloo Valve Spring Compressor Co. et al.* Claims 1, 2, 3, and 4 of 1,330,542, and claims 7, 8, 9, and 10 of 1,879,330 held infringed; defendant's counter-claim dismissed Feb. 12, 1936.

1,370,097, 1,370,099, S. J. Dunkley, Pitter knife; 1,329,755, same, Machine for halving or splitting peaches, D. C., S. D. Calif. (Los Angeles), Doc. E 31–D, *Sprague Sells Corp.* v. *Pacific Pitting Machine Co., Inc., et al.* Dismissed Feb. 28, 1936.

1,370,099. (See 1,370,097.) 1,408,869. (See 1,969,178.)

1,459,662, C. W. Manzel, Lubricating system; 1,475,980, O. Zerk, Lubricating apparatus, filed Feb. 18, 1936, D. C., S. D. Calif., C. Div., Doc. E 843–S, *Stewart-Warner Corp.* v. *G. C. Smith et al.*

1,475,198, L. Potthoff, Electroplating apparatus; 1,959,799, K. T. Potthoff, Method and apparatus for treating material, filed Jan. 23, 1936, D. C., N. D. N. Y., Doc. 2970, *U. S. Galvanizing & Plating Equipment Corp.* v. *Revere Copper & Brass, Inc., et al.*

1,475,980. (See 1,459,662.)

1,477,944, C. DeVere, Phonograph; 1,622,756, D. D. Beenken, Multiple record phonograph, filed Feb. 12, 1936, D. C., N. D. Ill., E. Div., Doc. 15,051, *The Rudolph Wurlitzer Mfg. Co.* v. *The Rock-Ola Mfg. Corp.*

1,522,249. (See 1,665,862.)

1,564,170, K. C. Berger, Lamp shade frame; 1,635,268, Furst & Tave, Lamp shade holder, D. C., S. D. N. Y., Doc. E 79/26, *K. C. Berger (Berger Machine Co.)* v. *Watral & Sons Corp. et al.* Consent decree for plaintiff (notice Feb. 28, 1936).

1,622,756. (See 1,477,944.) 1,635,268. (See 1,564,170.)

1,665,862, W. H. Sauvage, Hand brake; 1,522,249, A. F. Klasing, Brake, filed Feb. 17, 1936, D. C., N. D. Ill., E. Div., Doc. 15057, *A. F. Klasing* v. *Ajax Hand Brake Co.*

1,677,282, J. F. Gail, Mattress or cushion and boxing therefor and process of making same; 1,915,659, same, Mattress edge construction, D. C., E. D. Wis. (Milwaukee), Doc. 4469, *Simmons Co.* v. *Li-on Bedding Co.* Dismissed for want of equity Feb. 26, 1936.

1,687,147, E. D. Sawyer, Barrier device for stopping vehicles; 1,699,545, same, Yieldable barrier, filed Feb. 25, 1936, D. C., E. D. Wis. (Milwaukee), Doc. 4842, *E. D. Sawyer* v. *Wisconsin Bridge & Iron Co.*

1,699,545. (See 1,687,147.)

1,710,073, 1,714,191, S. Ruben, Electrical condenser, appeal filed Feb. 24, 1936, C. C. A., 2d Cir., Doc. 14570, *Ruben Condenser Co. et al.* v. *Copeland Refrigeration Corp.*

1,711,728, T. W. Forrest, Dried fruit product; 1,711,729, Process for treating fruits especially raisins; 1,773,425, same, Dried fruit treatment, filed Feb. 15, 1936, D. C., S. D. Calif. (Los Angeles), Doc. E 113–D, *Sun Maid Raisin Growers of Calif.* v. *Bonner Packing Co.*

1,711,729. (See 1,711,728.) 1,712,755. (See 1,969,178.)

1,714,191. (See 1,710,073.)

1,725,742, 1,875,894, J. A. Singmaster, Artificial silk filament and method of making same, D. C., E. D. Pa., Doc. 8695, *Tubize Chatillon Corp.* v. *The Viscose Co.* Consent decree dismissing bill Feb. 24, 1936.

1,728,412, Humphries & Bonnalie, Track-lubricator, 1,810,764, P. H. Hamilton, Wheel flange oiler; 1,839,190, S. E. Bates, Lubricating device; 1,839,427, H. G. Warr, Wheel flange oiler, D. C., S. D. N. Y., Doc. E 81/291, *Maintenance Equipment Co.* v. *The Lundie Engineering Corp.* Consent order of discontinuance (notice Feb. 18, 1936).

1,732,650. (See 1,808,468.) 1,753,156. (See 1,913,681.)

1,753,157. (See 1,913,681.) 1,773,425. (See 1,711,728.)

1,783,864, C. W. Vogt, Apparatus and process for treating materials; 1,783,867, same, Machine for processing materials, 1,972,253, same, Process and apparatus for preparing and packing food products; 1,881,106, Vogt & Wymond, Can filler, filed Feb. 24, 1936, D. C., E. D. Pa., Doc. 9313, *Vogt Processes, Inc., et al.* v. *Abbott Dairies, Inc.*

1,783,867. (See 1,783,864.) 1,802,700. (See 1,307,734.)

1,808,468, G. Langford, Method of making rail joint bars; Re. 18,011 (of 1,732,650), same, Renewing worn angle bars, D. C., N. D. Ohio, E. Div., Doc. 4768, *McKenna Process Co. of Illinois et al.* v. *Youngstown Steel Car Corp.* Dismissed Feb. 20, 1936.

1,810,764. (See 1,728,412.) 1,838,504. (See 1,913,681.)

1,839,190. (See 1,728,412.) 1,839,427. (See 1,728,412.)

1,942,080. (See 1,969,178.)

1,864,265. (See Re. 18,949.)

1,875,894. (See 1,725,742.) 1,879,330. (See 1,330,542.)

1,881,106. (See 1,783,864.) 1,911,903. (See 1,969,178.)

1,911,904. (See 1,969,178.)

1,913,681, G. B. Otis, Method of heating and ventilating; 1,753,156, Re. 18,109 (of 1,753,157), same, Heating and ventilating apparatus; 1,838,504, 1,936,544, W. Shurtleff, Heating and ventilating system; 1,925,822, same, Method of heating and ventilating, filed Feb. 24, 1936, D. C., N. D. Ohio, E. Div., Doc. E 5422, *J. J. Nesbitt, Inc.*, v. *The Herman Nelson Corp.*

1,915,689. (See 1,677,232.)

1,919,722, J. Hyman, Process for producing polymerized unsaturated hydrocarbons of relatively light color and product thereof; 1,919,723, same, Manufacture of products containing oxygen-absorbing hydrocarbon polymers, "bill for decree that plaintiff has equitable title to and exclusive rights in above patents" filed Feb. 6, 1936, D. C., N. D. Ill., E. Div., Doc. 15044, *The Pure Oil Co.* v. *J. Hyman et al.*

1,919,723. (See 1,919,722.) 1,925,822. (See 1,913,681.)

1,927,665. (See 1,969,178.) 1,936,544. (See 1,913,681.)

1,957,274. (See Des. 96,374.)

1,959,790. (See 1,475,198.)

1,967,221, W. R. Allen, Printing plate and holding means therefor; 1,976,069, G. S. Rowell, Planographic printing, filed Feb. 28, 1936, D. C., S. D. Ohio, E. Div., Doc. E 1172, *Multigraph Co.* v. *J. F. Nitschke et al.* (*Nitschke Bros.*).

1,969,176. (See 1,969,178.)

1,969,178, 1,911,903, 1,911,904, 1,842,080, 1,969,176, Re. 18,280, J. B. Kirby, Laundry machine; 1,927,665, same, Dish washing machine; 1,825,234, Couch & Wallace, Wringer mechanism for clothes washers; 1,408,869, H. W. Eden, same, Re. 19,217, J. Prachar, Ironing machine; 1,712,755, J. A. Dietenberger, Washing machine; 2,021,097, F. Maus, same, filed Feb. 18, 1936, D. C. Conn. (New Haven), Doc. 2520, *The Apex Electrical Mfg. Co. et al.* v. *Landers, Frary & Clark.*

1,972,253. (See 1,783,864.) 1,976,039. (See 1,967,221.)

2,021,097. (See 1,969,178.)

Re. 18,011. (See 1,808,468.)

Re. 18,109. (See 1,913,681.)

Re. 18,280. (See 1,969,178.)

Re. 18,949 (of 1,864,265), W. H. Ve Relle, Tie, D. C., E. D. Pa., Doc. 8215, *W. H. Ve Relle* v. *D. Gerberg* (*Zip-on-Neckwear Co.*) *et al.* Dismissed Feb. 24, 1936. Doc. 8571, *W. H. Ve Relle* v. *Associated Devices Corp.* Dismissed Feb. 26, 1936.

Re. 19,217. (See 1,969,178.)

Des. 77,877. (See Des. 84,458.)

Des. 84,458, G. Brain, Water closet bowl; Des. 77,877, same, Lavatory; Des. 86,936, Des. 86,935, G. Salzer, Bath tub, D. C., S. D. Calif. (Los Angeles), Doc. E 395–M, *Standard Sanitary Mfg. Co.* v. *Washington-Wilper Co.* Dismissed pursuant to stipulation Jan. 20, 1936.

Des. 86,935. (See Des. 84,458.)

Des. 86,936. (See Des. 84,458.)

Des. 93,374, J. W. Taylor, Bracelet; Des. 93,375, same, Jewelry charm; 1,957,274, I. R. Lederer, Clasp for cord bracelet, filed Feb. 25, 1936, D. C., R. I., Doc. 529, *S. & B. Lederer Co. et al.* v. *O. P. Schaller* (*Schaller Mfg. Co.*).

Des. 93,375. (See Des. 93,374.)

Notice of Cancellation

U. S. PATENT OFFICE, *Washington, April 8, 1936.*

Page-Hudson, their assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by C-T-C Corporation, 15 Exchange Place, Jersey City, N. J., to effect the cancellation of trade-mark registration of Page-Hudson, Main and Franklin Streets, Monroe, N. C., No. 220,849, dated November 16, 1926, and the notice of such proceeding sent by registered mail to the said Page-Hudson at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Page-Hudson, their assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
Assistant Commissioner.

Notice of Opposition

U. S. PATENT OFFICE, *Washington, April 8, 1936.*

Kanard Company, Inc., its assigns or legal representatives, take notice:

An opposition proceeding has been instituted by this Office upon the petition of Morris Kessler, 1933 Bathgate Avenue, New York, N. Y., against the application for registration of a trade-mark to Robert G. Eberhard, Barbizon-Plaza Hotel, Sixth Avenue and Fifty-Eighth Street, New York, N. Y. The records of this Office show that Kanard Company, Inc., 285 Madison Avenue, New York, N. Y., is the assignee of said applicant. The notice of such proceeding sent to said Kanard Company, Inc., at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Kanard Company, Inc., its assigns or legal representatives, shall enter an appearance therein within thirty days from the first publication of this order, the opposition will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
Assistant Commissioner.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 5, 1936

[VOL. 466. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 373,961. HITEMAN LEATHER COMPANY, INC., West Winfield, N. Y. Filed Jan. 22, 1936.

PEDIGREE

For Leather.
Claims use since Nov. 6, 1935.

Ser. No. 375,518. OLD BEN COAL CORPORATION, Chicago, Ill. Filed Mar. 3, 1936.

DISMAL VALLEY

For Coal.
Claims use since Feb. 1, 1936.

Ser. No. 375,690. CELLULOID CORPORATION, Newark, N. J. Filed Mar. 7, 1936.

ACWALITE

For Plastic Material in the Form of Sheets, Films, Rods, or Tubes.
Claims use since Mar. 2, 1936.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 375,625. CELLULOID CORPORATION, Newark, N. J. Filed Mar. 6, 1936.

ACWALITE

For Handbags.
Claims use since Feb. 26, 1936.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 371,815. LUIS G. HOYOS, doing business as Carioca Mfg. Co., Philadelphia, Pa. Filed Nov. 21, 1935.



The drawing is lined for orange color.
For Shoe Polishes, Shoe Dressings, and Shoe Cleaners.
Claims use since Oct. 2, 1935.

Ser. No. 376,000. LOS ANGELES SOAP CO., Los Angeles, Calif. Filed Mar. 14, 1936.

VIKING



For Dairy Cleanser.
Claims use since Feb. 12, 1936.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 361,670. DERMAY PERFUMERS, INC., New York, N. Y. Filed Feb. 21, 1935.

Scotch Mist

For Eau de Cologne, Skin Balm, Nail Polish, Cuticle Remover, Bath Oil, Bath Salts, Talcum Powder, Cleansing, Refreshing, Nourishing, Skin Whitening Cream, and Bath Dusting Powder.

Claims use since Nov. 15, 1934.

Ser. No. 361,790. OSMOSE CORPORATION OF AMERICA, Buffalo, N. Y. Filed Feb. 25, 1935.

OSMOSE

For Chemical Compositions for Impregnating and Preserving Wood.

Claims use since Jan. 18, 1935.

Ser. No. 366,248. MINER'S, INC., New York, N. Y. Filed June 14, 1935.



No claim is made to the expression "Miner's" apart from the mark as shown.

For Cold Cream, Face Powder, Lipstick, Rouge, Theatrical Clown White, Theatrical Black Wax, Theatrical Nose Putty, Spirit Gum in the Nature of an Adhesive Liquid, Theatrical Makeup, Minstrel Black, Lining Color, Eye Shadow in the Nature of a Skin Makeup Stick, Cosmetique Known as Mascara, Grease Paint, Eyebrow Pencil, Black Eye Paint.

Claims use since Nov. 15, 1934.

Ser. No. 370,621. MINNA MADSEN, Pasadena, Calif. Filed Oct. 21, 1935.



For Fluent Abrasive Compound for Skin Invigoration.

Claims use since January, 1910.

Ser. No. 372,053. GEORGE W. GRANT, doing business as Grant Chemical Co., New York, N. Y. Filed Nov. 27, 1935.

DIURBITAL

For Medicines, Particularly Compressed Tablets of a Sedative with Increased Circulatory Eliminating Action.

Claims use since Nov. 14, 1935.

Ser. No. 372,078. BIENAIMÉ, SOCIÉTÉ ANONYME, Neuilly-sur-Seine, Seine, France. Filed Nov. 29, 1935.

LA VIE EN FLEURS

For Perfumes, Toilet Water, Face Powder, Talcum Powder, Bath Salts, Rouge, Lipsticks, Dusting Powder, Cold Creams, Sachet, Brilliantine, Powder and Rouge Compacts.

Claims use since August, 1935.

Ser. No. 372,862. T. J. SMITH & NEPHEW, LIMITED, Hull, England. Filed Dec. 19, 1935.

VISCOPASTE

For Medicated Bandages and Dressings.

Claims use since June 22, 1934.

Ser. No. 372,901. CHARLES W. WILLIAMS, New York, N. Y. Filed Dec. 20, 1935.

Lactys

For Lactic Acid Preparation for Use in the Treatment of Disorders of the Intestinal Tract.

Claims use since Dec. 4, 1935.

Ser. No. 372,905. CALGON INCORPORATED, Pittsburgh, Pa. Filed Dec. 21, 1935.

NORMALIZER

For Water Treating Composition for Preventing the Precipitation of Calcium and Magnesium Salts and Soaps.

Claims use since January, 1935.

Ser. No. 373,293. A. P. BABCOCK COMPANY, Rutherford, N. J., and New York, N. Y. Filed Jan. 3, 1936.

MONOGRAM

For Astringents, Astringent Cerates, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Etc.

Claims use since Dec. 6, 1935.

Ser. No. 373,295. C-T-C CORPORATION, Jersey City, N. J. Filed Jan. 3, 1936.

EDWARDS'

cTc

For Effervescent Alkalizer and Antacid.

Claims use since Nov. 27, 1935.

Ser. No. 373,296. C-T-C CORPORATION, Jersey City, N. J. Filed Jan. 3, 1936.

cTc

For Effervescent Alkalizer and Antacid.

Claims use since Nov. 27, 1935.

Ser. No. 373,625. ANTHONY J. VINSKAVAGE, Tamaqua, Pa. Filed Jan. 13, 1936.

L and S

For Preparation for Treating the Eyes.

Claims use since Sept. 27, 1935.

Ser. No. 374,150. WILLIAM F. MELLEN, JR., doing business as Fisk-Mellen Laboratories, Hollywood, Calif. Filed Jan. 27, 1936.

Fisk SUPPOSITORIES

The word "Suppositories" is disclaimed apart from the mark as shown.

For Rectal and Vaginal Suppositories.

Claims use since Jan. 14, 1936.

Ser. No. 374,241. WILLIAM R. JAMIESON, doing business as Lutex Laboratories, El Paso, Tex. Filed Jan. 29, 1936.

LUTEX

For Venereal Prophylactic.

Claims use since May 1, 1935.

Ser. No. 374,342. SOAPLESS FOAM, LIMITED, London, England. Filed Jan. 31, 1936.

ZOTOFOAM

For Preparations for Producing Soapless Foam in the Bath for Toilet Purposes, Weight Reduction, Health and Beauty, and for the Treatment of Rheumatism.

Claims use since September, 1933.

Ser. No. 374,698. J. Q. A. WEST, doing business as West Manufacturing Co., Knoxville, Tenn. Filed Feb. 10, 1936.

Dr. J. Q. A. West's SPECIAL

West Special

The signature is a facsimile of applicant's. The word "Special" is disclaimed apart from the mark.

For Preparation to be Used for Constipation and Relieving of Gas.

Claims use since 1930.

Ser. No. 374,811. ASSOCIATED DISTRIBUTORS, INC., Chicago, Ill. Filed Feb. 14, 1936.

LIP YOUTH

For Lipstick, Rouge, Face Powder, Eyelash and Eyebrow Mascara, Creams for the Hand and Face, Preparations for Skin, Hair, and Finger Nails, and Perfumes.

Claims use since Feb. 7, 1935.

Ser. No. 375,004. AU-BE LABORATORIES, Glen Cove, N. Y. Filed Feb. 10, 1936.

AU-BE

For Antiseptic for Mouth and Throat.

Claims use since Jan. 20, 1936.

Ser. No. 375,015. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill. Filed Feb. 19, 1936.

KURB

For Analgesic Tablets.

Claims use since Feb. 7, 1936.

Ser. No. 375,132. CRÈME SIMON, ANCIENNEMENT J. SIMON & CIE., SOCIÉTÉ ANONYME, Lyon, France. Filed Feb. 24, 1936.



All wording is disclaimed apart from the mark.

For Face Powder.

Claims use since February, 1932.

Ser. No. 375,175. F. H. SAUNDERS, doing business as Stockton Veterinary Supply Company, Stockton, Calif. Filed Feb. 24, 1936.



The drawing is lined for red. The words "Highest Quality" are disclaimed apart from the mark.

For Veterinarian Supplies and Medicines for the Treatment of Livestock and Other Animals and Birds, Including Sheep Dip, Worm Tablets, Breeding Powder, Sarcoptal Mange Oil, Cod Liver Oil, Eye Ointment, Teat Balm, Aromatic Laxative Oil, Mineral Yeast, Intestinal Anti-

septic and Conditioning Powder, Horn Paint, Which Has Protective and Healing Properties, Foot Rot Ointment, Eczema Oil, Healing Ointment, Louse Powder, Cow Tonic and Conditioner, Intestinal Astringent Solution, Copper Nicotine Solution, Dehorning Paste, Livestock Laxative, Diarrhea Tablets, Tonic Pills, Uterine Capsules, Purgative Compound, Distemper Pills, Equine Worm Powder, Mange Solution, Bloat Medicine, Laxative Tablets, Coccidiosis Remedy for Poultry, Mercury Blister, Animal Balm, Gall Lotion, Worm Capsules, Liquid Blister, Blood Tonic and Conditioning Powder, Liniments, Eye Drops, Ear Drops, Antiseptic Healing Powder, Branding Fluid, Scarlet Balsam, Corrective Tablets for Dogs, Feline Worm Pills, Pine Tar Compound, Lime and Sulphur Dip, Sand Fleas and Lice Eradicator, Cresol Solution, Astringent and Carminative Corrective Mixture, Benzol Compound; Special Tablets, a Corrective and General Tonic for Small Animals; Canine Tonic, Cough Syrup, Poultry Conditioner in Tablet Form, Liquid Compound for the Treatment of Scaly Leg in Poultry, Camphorated Oil Fly Spray, and Pine Oil.

Claims use since Feb. 10, 1936.

Ser. No. 375,417. THE ARLINGTON CHEMICAL COMPANY, Yonkers, N. Y. Filed Mar. 2, 1936.

EFCO

For Compound to be Used for the Relief of Symptoms Derived from Hay Fever and Asthma.

Claims use since Feb. 21, 1936.

Ser. No. 375,596. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Mar. 5, 1936.

NATOLA

For Vitamin Product Used as a Therapeutic Preparation.

Claims use since Jan. 30, 1936.

Ser. No. 375,786. TRI-CAL LABORATORIES, Brooklyn, N. Y. Filed Mar. 9, 1936.

TRI-CAL

EFFERVESCENT ANTACID

No claim is made to the words "Effervescent Antacid" apart from the mark shown.

For Preparation for Indigestion Disorders.

Claims use since Oct. 1, 1935.

Ser. No. 376,152. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Mar. 18, 1936.

STAMYL

For Pancreatic Enzyme Preparation for Use as a Digestant.

Claims use since Feb. 18, 1936.

CLASS 10

Fertilizers

Ser. No. 374,460. FARMERS' COOPERATIVE EXCHANGE, Raleigh, N. C. Filed Feb. 4, 1936.

PURCHASING MARKETING FLX COOPERATIVE

For Fertilizers.

Claims use since June, 1934.

CLASS 11

Inks and Inking Materials

Ser. No. 375,585. THE INTERNATIONAL PRINTING INK CORPORATION, New York, N. Y. Filed Mar. 5, 1936.

ZANTH

For Printing Ink and Pigments for Printing Ink.

Claims use since Dec. 30, 1935.

Ser. No. 375,587. THE INTERNATIONAL PRINTING INK CORPORATION, New York, N. Y. Filed Mar. 5, 1936.

SYAN

For Printing Ink and Pigments for Printing Ink.

Claims use since Dec. 30, 1935.

Ser. No. 375,589. THE INTERNATIONAL PRINTING INK CORPORATION, New York, N. Y. Filed Mar. 5, 1936.

ACHLOR

For Printing Ink and Pigments for Printing Ink.

Claims use since Dec. 30, 1935.

CLASS 12

Construction Materials

Ser. No. 374,653. CERTAIN-TEED PRODUCTS CORPORATION, New York, N. Y. Filed Feb. 10, 1936.

UNIVERSAL

For Asphalt Saturated and Coated Shingles.

Claims use since October, 1926.

Ser. No. 375,021. MEDUSA PORTLAND CEMENT COMPANY, Cleveland, Ohio. Filed Feb. 19, 1936.

BRIKSET

For Masonry.

Claims use since Feb. 13, 1936.

Ser. No. 375,179. SOUTHERN CEMENT CO., Birmingham, Ala. Filed Feb. 24, 1936.

MMM

For Hydraulic Lime in the Form of a Prepared Mortar Material.

Claims use since June, 1933.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 371,751. GUSTAV FRIEDRICH GERDTS, Bremen, Germany. Filed Nov. 20, 1935.

Kondensomat

For Steam Separators, Steam Traps, Condensate and Precipitate Separators, Baffle and Labyrinth Type Separators.

Claims use since Mar. 27, 1935.

Ser. No. 373,395. PERES SELTZER, New York, N. Y. Filed Jan. 6, 1936.



The words "Slide Fasteners Are Made in All Lengths From 3" Up" and the representation of the goods are disclaimed apart from the mark.

For Slide Fasteners for Swim Suits, Trunks, Legging Suits, Children's Wash Suits, Children's Sleepers, Lumberjacks, Men's Overall Suits, Men's Work Shirts, Boys' Shirts, Children's Snow Suits, Riding Breeches for Men and Women, Men's and Children's Knitted Underwear, Nurses Uniforms and Boots and Shoes Made of Leather, Rubber and a Combination of Rubber.

Claims use since Oct. 2, 1935.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 375,140. FIRTH-STERLING STEEL COMPANY, McKeesport, Pa. Filed Feb. 24, 1936.

CHIMO

For Steel in Bar Form.

Claims use since Sept. 26, 1933.

Ser. No. 375,613. SOL L. ZAVON, doing business as Atlantic Steel Company, New York, N. Y. Filed Mar. 5, 1936.

ATLANTIC 33

For Tool-Steel Bars.

Claims use since September, 1929.

Ser. No. 375,614. SOL L. ZAVON, doing business as Atlantic Steel Company, New York, N. Y. Filed Mar. 5, 1936.

ATLOY

For Tool-Steel Bars.

Claims use since January, 1934.

Ser. No. 375,615. SOL L. ZAVON, doing business as Atlantic Steel Company, New York, N. Y. Filed Mar. 5, 1936.

ATSCO

For Tool-Steel Bars.

Claims use since June, 1932.

CLASS 15

Oils and Greases

Ser. No. 342,101. WILLIAM C. MCDUFFIE, receiver of Richfield Oil Company of California, Los Angeles, Calif. Filed Oct. 2, 1933.



The word "Gasoline" is disclaimed apart from the mark.

For Petroleum and Petroleum Products—Namely, Gasoline, Lubricating Oils and Greases, Kerosene, and Distillate for Engine Fuel.

Claims use since Aug. 1, 1933.

Ser. No. 373,569. H. G. HORNBROOK, Minneapolis, Minn. Filed Jan. 11, 1936.

FILM-X

The word "Film" is disclaimed apart from the mark.
For Lubricating Oils and Greases.
Claims use since Jan. 1, 1934.

Ser. No. 375,606. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del. Filed Mar. 5, 1936.

ESSODIESEL

For Refined, Semirefined, and Unrefined Oils Made from Petroleum, Both With and Without Admixture of Animal, Vegetable, or Mineral Oils for Power, Fuel, and Lubricating Purposes, and Lubricating Greases.
Claims use since Jan. 21, 1936.

Ser. No. 375,732. SHELL OIL COMPANY, San Francisco, Calif. Filed Mar. 7, 1936.

DIESELINE

For Liquid Fuel for Compression Ignition Motors.
Claims use since Dec. 10, 1934.

CLASS 16

Paints and Painters' Materials

Ser. No. 374,540. WIPE-ON CORPORATION, New York, N. Y. Filed Feb. 5, 1936.

E-NAMEL-ON

The word "Enamel" is disclaimed except as shown.
For Paint Enamels.
Claims use since Aug. 3, 1935.

Ser. No. 375,584. THE INTERNATIONAL PRINTING INK CORPORATION, New York, N. Y. Filed Mar. 5, 1936.

ZANTH

For Oil Colors, Artists' Colors, and Pigments for Paints, Varnish, Enamel, and Lacquer.
Claims use since Dec. 10, 1935, as to oil colors and artists' colors, and since Dec. 30, 1935, as to pigments and varnishes.

Ser. No. 375,586. THE INTERNATIONAL PRINTING INK CORPORATION, New York, N. Y. Filed Mar. 5, 1936.

SYAN

For Oil Colors, Artists' Colors, and Pigments for Paints, Varnish, Enamel, and Lacquer.
Claims use since Dec. 10, 1935, as to oil colors and artists' colors and since Dec. 30, 1935, as to pigments and varnishes.

Ser. No. 375,588. THE INTERNATIONAL PRINTING INK CORPORATION, New York, N. Y. Filed Mar. 5, 1936.

ACHLOR

For Oil Colors, Artists' Colors, and Pigments for Paints, Varnish, Enamel, and Lacquer.
Claims use since Dec. 10, 1935.

Ser. No. 375,987. THOS. H. GIBSON, doing business as Tex Products Company, Newark, N. J. Filed Mar. 14, 1936.

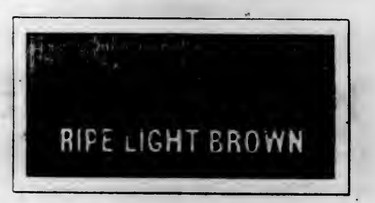
OMAR

For Dry, Paste, and Ready Mixed Paints, Varnishes, Varnish Stains, Paint Enamels, Prepared Shellac, Paint Remover, Turpentine, Linseed Oil.
Claims use since Dec. 21, 1935.

CLASS 17

Tobacco Products

Ser. No. 367,432. BAYUK CIGARS INCORPORATED, Philadelphia, Pa. Filed July 18, 1935.



The words "It's Ripe Tobacco" and "Ripe Light Brown" are disclaimed apart from the mark.
For Tobacco Products, More Particularly Cigars.
Claims use since July 2, 1935.

Ser. No. 372,544. CHARLES CAMPIONE, New York, N. Y. Filed Dec. 12, 1935.

Campione



The name and picture are those of the proprietor.
For Cigars.
Claims use since Nov. 11, 1935.

Ser. No. 373,578. THRIFTY DRUG COMPANY, LTD., Los Angeles, Calif. Filed Jan. 11, 1936.

Thrifty

For Smoking Tobacco.
Claims use since June 1, 1933.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 366,684. EDWIN L. WIEGAND COMPANY, Pittsburgh, Pa. Filed June 26, 1935.

OK

For Electric Heaters, Electric Heating Units, Electric Heating Elements, and Parts Thereof.
Claims use since October, 1933.

Ser. No. 373,510. THE BLACK & DECKER MANUFACTURING COMPANY, Towson, Md. Filed Jan. 9, 1936.

HEAT GUN

For Portable Motor Driven Blower for Blowing Heated Air from Its Own Heating Coils.
Claims use since Dec. 15, 1933.

Ser. No. 376,142. RCA MANUFACTURING COMPANY, INC., Camden, N. J. Filed Mar. 18, 1936.

Magic Voice

For Radio Receiving Sets, Television Receiving Sets, Kits for Radio Receiving Sets, Kits for Television Receiving Sets, Radio Receiving Apparatus Adapted for Combination with Electrically Operated Apparatus for the Reproduction of Sound from Records Thereof, Combined Radio Receiving Apparatus and Electrically Operated Apparatus for the Reproduction of Sound from Records Thereof, and Accessories and Parts Consisting of Antennae, Battery Eliminators, Binding Posts, Inductors, Grid Leaks, Jacks, Loud Speakers, Diaphragms for Loud Speakers, Panels, Potentiometers, Electric Discharge Tubes, Dials, Knobs, Volume Control Devices, Tone Control Devices, Resonance Indicators, Transformers, Switches, Fuses, Plugs, Electric Pickups, Filter Packs, Rheostats, Rectifying Units, Amplifying Units, Shields, Tube Sockets, Tuning Units, and Wire and Cable for Radio Sets and Apparatus.
Claims use since Dec. 11, 1935.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 368,715. TOTSY MANUFACTURING CO., INC., Springfield, Mass. Filed Aug. 26, 1935.

Totsy Togs

The word "Togs" is disclaimed apart from the mark.
For Doll's Clothing.
Claims use since Apr. 1, 1934.

Ser. No. 375,400. RED SHANK GAFF HOOK COMPANY, Seattle, Wash. Filed Feb. 29, 1936.

RED SHANK

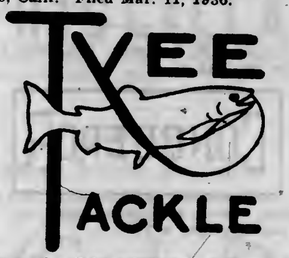
For Gaff Hooks, Nets, and Landing Gear.
Claims use since Feb. 4, 1933.

Ser. No. 375,493. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Mar. 3, 1936.

WALL STREET

For Deck of Cards.
Claims use since June, 1933.

Ser. No. 375,843. DUNHAM, CARRIGAN & HAYDEN CO., San Francisco, Calif. Filed Mar. 11, 1936.



The picture of a fish and the word "Tackle" are disclaimed except as shown.
For Fish Lines, Hooks, Leaders, Fishing Rods, Fishing Reels, Spinners, and Trout-Flies.
Claims use on fish lines, hooks, and leaders since Aug. 5, 1914; fishing rods and trout-flies since on or about Jan. 1, 1921; fishing reels and spinners since on or about Jan. 1, 1923.

Ser. No. 376,089. THE HORTON MANUFACTURING COMPANY, Bristol, Conn. Filed Mar. 17, 1936.

Lokater

For Golf Club Grips.
Claims use since Feb. 21, 1936.

Ser. No. 376,317. S. L. ALLEN & CO., INC., Philadelphia, Pa. Filed Mar. 24, 1936.

YANKEE CLIPPER

For Coasting Sleds.
Claims use since Feb. 17, 1936.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 367,726. METALS COATING COMPANY OF AMERICA, Philadelphia, Pa. Filed July 26, 1935.

METALAYER

For Apparatus for Spraying Molten Metal, Component Parts Thereof, and Accessory Equipment Therefor, Including Acetylene Regulators, Oxygen Regulators, Air Strainers, Air Reducing Valves, Rotary Nozzles, Extension Nozzles, Angle Nozzles, Fan Nozzles, Water and Oil Separators, Ball Bearing Wire Reel Combinations, Steel Spraying Tables with Ventilated Hoods, and Blast Cleaning Apparatus.
Claims use since January, 1921.

Ser. No. 367,727. METALS COATING COMPANY OF AMERICA, Philadelphia, Pa. Filed July 26, 1935

HI-CAP METALAYER

For Apparatus for Spraying Molten Metal, Component Parts Thereof, and Accessory Equipment Therefor, Including Acetylene Regulators, Oxygen Regulators, Air Strainers, Air Reducing Valves, Rotary Nozzles, Extension Nozzles, Angle Nozzles, Fan Nozzles, Water and Oil Separators, Ball Bearing Wire Reel Combinations, Steel Spraying Tables with Ventilated Hoods, Metal Wires, and Blast Cleaning Apparatus.
Claims use since Mar. 23, 1935.

Ser. No. 372,138. N. S. MEYER, INC., New York, N. Y. Filed Nov. 30, 1935.

CONQUEROR

For Sabres, Swords, and Sabre Chains.
Claims use since May 8, 1930.

Ser. No. 374,834. INGERSOLL-RAND COMPANY, New York, N. Y. Filed Feb. 14, 1936.

NL

For Reciprocating Compressors.
Claims use since Jan. 17, 1936.

Ser. No. 375,121. BOSTON GEAR WORKS, INC., North Quincy, Mass. Filed Feb. 24, 1936.

RATIOMOTOR

For Speed Reducers (Enclosed Speed Reduction Gearing).
Claims use since Jan. 1, 1936.

Ser. No. 375,938. HARRY J. GOTTSEGEN, New York, N. Y. Filed Mar. 13, 1936.



The words "For a Quick Shave", "Razor Blade", and the representation of a safety razor blade per se are disclaimed apart from the mark shown.
For Razor Blades.
Claims use since Jan. 29, 1936.

Ser. No. 375,945. MASTER MERCHANDISING CORPORATION, New York, N. Y. Filed Mar. 13, 1936.

KNICKERBOCKER

For Cigarette Vending Machines.
Claims use since Feb. 1, 1936.

Ser. No. 376,057. LUBER-FINER INCORPORATED, Los Angeles, Calif. Filed Mar. 16, 1936.

Luber-finer

For Liquid Refiners, Particularly Adapted for Use in Refining Lubricating Oil.
Claims use since Dec. 4, 1935.

Ser. No. 376,121. THE FORSBERG MANUFACTURING CO., Bridgeport, Conn. Filed Mar. 18, 1936.

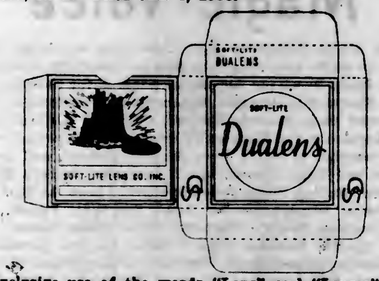
THOR

For Saw Blades, Saw Frames, and Screw Drivers.
Claims use since July 1, 1935.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 360,121. SOFT-LITE LENS COMPANY, INC., New York, N. Y. Filed Jan. 4, 1935.



Exclusive use of the words "Lens" and "Lenses" and use of a carton apart from the mark as shown are disclaimed.
For Ophthalmic Lenses and Lens Blanks.
Claims use since June 4, 1934.

Ser. No. 371,672. S. F. BOWSER & COMPANY, INC., Fort Wayne, Ind. Filed Nov. 18, 1935.

INTERLOCKED ZERO-SET INSURES PROTECTION

No claim is made for the words "Interlocked Zero-Set Ensures Protection" apart from the mark.
For Measuring and Dispensing Unit for Oil and Gasoline and Other Liquids.
Claims use since Nov. 11, 1935.

Ser. No. 375,921. AGFA ANSCO CORPORATION, Binghamton, N. Y. Filed Mar. 13, 1936.

AUTOLITH

For Sensitized Photographic Film.
Claims use since Mar. 3, 1936.

Ser. No. 376,069. SCIENCE SERVICE, Washington, D. C. Filed Mar. 16, 1936.

BIBLIOFILM

For Miniature Photographic Images on Strip Film or Paper.
Claims use since Jan. 1, 1936.

Ser. No. 376,100. NATIONAL METER COMPANY, Brooklyn, N. Y. Filed Mar. 17, 1936.

MEASURMATIC

For Liquid Flow Meters.
Claims use since Oct. 25, 1935.

Ser. No. 376,131. MOVIEMATIC CAMERA CORPORATION, New York, N. Y. Filed Mar. 18, 1936.

MOVIEMATIC

For Motion Picture Cameras and Projectors and Parts Thereof, Film Magazine Cartridges for Motion Picture Cameras and Projectors, Motion Picture Film, Photographs, Sensitized Photographic Papers, Films.
Claims use since May 22, 1935.

Ser. No. 376,146. STEWART-WARNER CORPORATION, Chicago, Ill. Filed Mar. 18, 1936.

CLIPPER

For Speedometers.
Claims use since Dec. 1, 1935.

Ser. No. 376,172. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany. Filed Mar. 19, 1936.

ISS

For Sensitized Photographic Film.
Claims use since December, 1935.

CLASS 27

Horological Instruments

Ser. No. 374,626. THE LUX CLOCK MANUFACTURING COMPANY, INC., Waterbury, Conn. Filed Feb. 8, 1936.

MINUTE MINDER

For Alarm Clocks, and Timers for Cooking, Photographic, Athletic, and Scientific Purposes.
Claims use since Nov. 1, 1933.

Ser. No. 375,539. BULOVA WATCH COMPANY, INC., New York, N. Y. Filed Mar. 4, 1936.

PRISCILLA

For Watches—Namely, Wrist or Strap Watches.
Claims use since July 1, 1925.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 375,646. THE KURLASH COMPANY, INC., Rochester, N. Y. Filed Mar. 6, 1936.

Kurlash

For Eye Beauty Brushes and Eyebrow Brushes.
Claims use since Feb. 1, 1936.

Ser. No. 375,682. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass. Filed Mar. 6, 1936.

GILT EDGE

For Tooth Brushes.
Claims use since Feb. 2, 1893.

Ser. No. 375,683. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass. Filed Mar. 6, 1936.

PARAGON

For Tooth Brushes.
Claims use since Dec. 17, 1886.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 375,234. THE BABCOCK & WILCOX COMPANY, Newark, N. J., and New York, N. Y. Filed Feb. 26, 1936.

INTEGRAL

For Power Plant Apparatus and Accessories—Namely, Boilers, Furnaces, Economizers for Boilers and Furnaces.
Claims use since June 1, 1934.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 373,289. THE AMERICAN OIL COMPANY, Baltimore, Md. Filed Jan. 3, 1936.

AMOCO

For Fan Belts of Rubber and Cotton Fabric and Vehicle Tires and Tubes Composed of Rubber, Cotton Fabric, Zinc, and Steel.
Claims use since Oct. 25, 1935.

Ser. No. 374,357. CLAUD C. CRAVEN, doing business as C. C. Craven Co., Kansas City, Mo. Filed Feb. 1, 1936.

PISTON Triple SEAL RING

The words "Seal", "Piston", and "Ring" are disclaimed apart from the mark.
For Piston Rings.
Claims use since Jan. 13, 1936.

Ser. No. 374,983. SEALED POWER CORPORATION, Muskegon, Mich. Filed Feb. 18, 1936.

MONITOR NOTCH

The word "Notch" is disclaimed apart from the mark.
For Piston Rings.
Claims use since Dec. 31, 1935.

Ser. No. 375,027. RAYBESTOS-MANHATTAN, INC., Passaic, N. J. Filed Feb. 19, 1936.

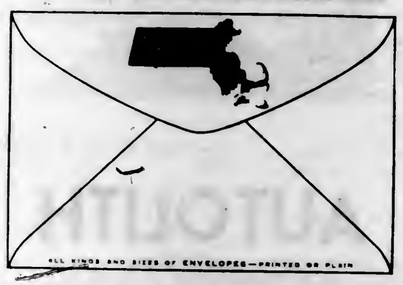
RAVEN

Applicant is the owner of trade-mark registration No. 113,768, Oct. 31, 1916.
For Brake Lining, Friction Material, and Machinery Packing Made of Composite Rubber.
Claims use since July 11, 1931.

CLASS 37

Paper and Stationery

Ser. No. 374,978. ELLIOTT A. NILES, doing business as State Envelope Company, Boston, Mass. Filed Feb. 18, 1936.



The representation of the goods and all wording with the exception of "State Envelope Co.", are disclaimed apart from the mark.
For Envelopes.
Claims use since June 1, 1930.

Ser. No. 375,572. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J. Filed Mar. 5, 1936.

CLARO

For Rubber Erasers.
Claims use since Nov. 14, 1935.

Ser. No. 375,612. WILSON-JONES COMPANY, Chicago, Ill. Filed Mar. 5, 1936.

ADCO

For Loose Leaf Binders.
Claims use since Jan. 15, 1916.

Ser. No. 375,621. BULKLEY, DUNTON & CO., New York, N. Y. Filed Mar. 6, 1936.

BULKTONE

For Printing Paper.
Claims use since July, 1933.

Ser. No. 375,970. NORTHERN PAPER MILLS, Green Bay, Wis. Filed Mar. 4, 1936.

LADY ISABEL

For Embossed Paper Napkins.
Claims use since Dec. 14, 1935.

Ser. No. 376,112. NORTHERN PAPER MILLS, Green Bay, Wis. Filed Mar. 4, 1936.

LORNA DOONE

For Embossed Paper Napkins.
Claims use since Dec. 14, 1935.

CLASS 38

Prints and Publications

Ser. No. 374,407. THE DEALERS' DIGEST PUBLISHING COMPANY, INC., New York, N. Y. Filed Feb. 3, 1936.

THE MARCH OF THE MARKETS

For Syndicated Weekly Market Letter.
Claims use since Jan. 7, 1936.

Ser. No. 374,465. KING FEATURES SYNDICATE, INC., New York, N. Y. Filed Feb. 4, 1936.

Washington Sideshow

For Newspaper Section.
Claims use since June, 1933.

Ser. No. 375,163. PADFIELD PUBLIC CONTACT, INC., Washington, D. C. Filed Feb. 24, 1936.

Contacts

For Trade Service Coupon or Voucher Books.
Claims use since Feb. 17, 1936.

Ser. No. 375,256. THE LAWYERS CO-OPERATIVE PUBLISHING COMPANY, Rochester, N. Y. Filed Feb. 26, 1936.

American Jurisprudence

For Series of Law Books Including Extracts Therefrom Published as Separate Booklets.
Claims use since Sept. 14, 1935.

Ser. No. 375,507. HUGO GERNSBACK, New York, N. Y. Filed Mar. 3, 1936.

LADIES DIGEST

For Quarterly Publication.
Claims use since Feb. 12, 1936.

CLASS 39

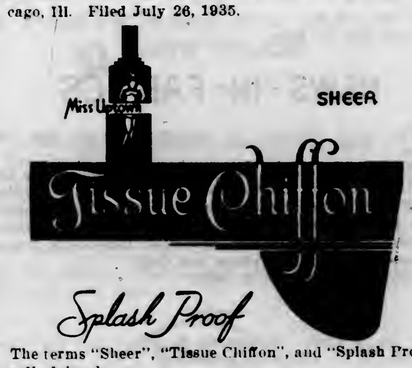
Clothing

Ser. No. 347,779. ARONSON-CAPLIN COMPANY, INC., New York, N. Y. Filed Feb. 24, 1934.



The representation of the slip is disclaimed. The figures are fanciful.
For Women's Apparel Comprising Slips, Bloomers, Petticoats, Nightgowns, Pajamas, Chemises, Step-Ins, and Panties.
Claims use since Jan. 10, 1932.

Ser. No. 367,717. HEYMAN DISTRIBUTING CO., INC., Chicago, Ill. Filed July 26, 1935.



The terms "Sheer", "Tissue Chiffon", and "Splash Proof" are disclaimed.
For Hosiery.
Claims use since Mar. 10, 1931.

Ser. No. 373,219. LAROS TEXTILE COMPANY, Bethlehem, Pa. Filed Dec. 31, 1935.

Laros
LITTLE WOMEN



The words "Little Women" are disclaimed apart from the mark.
For Underwear—i. e., Vests, Panties, Bloomers, Chemises, Bandeaux, Gowns, Slips, Pyjamas, Union Suits, Sets, Each of Which Comprise a Brassière and a Pair of Shorts, Known as Dancettes, for Children, Girls, Youths, and Women of Slight Build.
Claims use since Apr. 1, 1935.

Ser. No. 373,686. BERNARD GREENBERG CO. INC., Yonkers, N. Y. Filed Jan. 15, 1936.

Water-Shed Fabrics

The expression "Water-Shed Fabrics" are disclaimed apart from the mark.
For Men's and Boys' Caps and Cloth Hats.
Claims use since Sept. 1, 1934.

Ser. No. 373,905. NORMAN H. ARONS, Chicago, Ill. Filed Jan. 21, 1936.

AIR-ON

For Men's Underwear.
Claims use since Dec. 10, 1934.

Ser. No. 373,991. A. M. BLUMBERG, New York, N. Y. Filed Jan. 23, 1936.

NEWS - IN - FABRICS

The word "Fabrics" is disclaimed apart from the mark.
For Scarfs, Neckties, Blouses, Jackets, Hats for the Use of Men, Women, and Children, Gloves Made of Leather or Fabric, Belts for Outer Wear, Shoes for Men, Women, and Children, Made Out of Leather, Fabric, and Combinations Thereof, Raincoats, Raincapes, Beachcoats, Beachcapes, Bathing Suits, Collars, and Cuffs.
Claims use since Jan. 1, 1936.

Ser. No. 374,481. ROCHESTER CLOTHING CO., INC., New York, N. Y. Filed Feb. 4, 1936.

MÓVALCUNA

For Men's, Young Men's, and Children's Overcoats, Coats, Topcoats, and Suits.
Claims use since Jan. 2, 1936.

Ser. No. 374,670. KOHEN, LIGON AND PERL, INC., Dallas, Tex. Filed Feb. 10, 1936.

Dawnleigh

For Ladies' and Misses' Frocks, Dresses, and Coats, Skirts, and Knitted, Woven, or Otherwise Fabricated One-Piece Blouse and Skirt Garments.
Claims use since Jan. 15, 1936.

Ser. No. 374,716. IMPROVED MANUFACTURING COMPANY, Ashland, Ohio. Filed Feb. 11, 1936.

CRESCO

For Men's, Women's, Boys' and Girls' Outer Garments—Namely, Raincoats, Suits, Jackets, Overcoats, and Topcoats.
Claims use since Sept. 1, 1905.

Ser. No. 374,731. SAKS & COMPANY, New York, N. Y. Filed Feb. 11, 1936.

Valkyrie Last

The word "Last" is disclaimed except as shown.
For Women's and Misses' Shoes Made of Leather.
Claims use since Feb. 3, 1936.

Ser. No. 374,943. SABLE BROS. INC., New York, N. Y. Filed Feb. 17, 1936.

ORIGINAL
"ROLLY-POLLY"

The word "Original" is disclaimed except as to the use in association with the drawing.
For Ladies', Misses', and Children's Hats.
Claims use since Dec. 1, 1935.

Ser. No. 375,118. B. & L. UNDERGARMENT CO. INC., New York, N. Y. Filed Feb. 24, 1936.



No claim is made to the words "Seamtite" and "Guaranteed" apart from the mark shown.
For Ladies' Slips, Chemises, and Panties.
Claims use since Feb. 1, 1936.

Ser. No. 375,155. LOUIS MEYERS & SON, INC., New York, N. Y. Filed Feb. 24, 1936.

MEYERS MAKE
THE
KENT

The expression "The Kent" is disclaimed apart from the mark. Applicant is owner of Trade Mark Reg. No. 102,687, effected under the 10-year proviso.
For Ladies' and Men's Gloves Made of Leather, Fabric, and/or Combinations Thereof.
Claims use since November, 1935.

Ser. No. 375,156. LOUIS MEYERS & SON, INC., New York, N. Y. Filed Feb. 24, 1936.

MEYERS MAKE
KENT
BOWLER

The word "Kent" is disclaimed apart from the mark. Applicant is owner of Trade Mark Reg. No. 102,687, effected under the 10-year proviso.
For Ladies' and Men's Gloves Made of Leather, Fabric and/or Combinations Thereof.
Claims use since November, 1935.

Ser. No. 375,164. HARRY PANITZ & CO., Baltimore, Md. Filed Feb. 24, 1936.

OAKLOOM

For Men's Outer Clothing, Particularly Men's Suits Comprising Coats, Pants, and Vests, Knickers, Top Coats, Overcoats, and Caps.
Claims use since October, 1935.

Ser. No. 375,219. LOUIS MEYERS & SON, INC., New York, N. Y. Filed Feb. 25, 1936.

MEYERS MAKE
THE
YORK
HOMBURG

The words "York" and "Homburg" are disclaimed apart from the mark. Applicant is owner of T. M. Reg. No. 102,687, effected under the 10-year proviso, and T. M. Reg. No. 260,421.
For Ladies' and Men's Hats, and Gloves Made of Leather, Fabric, and/or Combinations Thereof.
Claims use since November, 1935.

Ser. No. 375,251. INTERNATIONAL SHOE CO., St. Louis, Mo. Filed Feb. 26, 1936.



The word "Fashion" is disclaimed apart from the mark. The picture is fanciful.
For Boots and Shoes of Leather, Fabric, and/or Combinations Thereof.
Claims use since Feb. 12, 1936.

Ser. No. 375,260. LOUIS MEYERS & SON, INC., New York, N. Y. Filed Feb. 26, 1936.

MEYERS MAKE
SNAP-BRIM

The expression "Snap-Brim" is disclaimed apart from the mark. Applicant is owner of T. M. Reg. No. 102,687, effected under the 10-year proviso.
For Ladies' and Men's Hats, and Gloves Made of Leather, Fabric, and/or Combinations Thereof.
Claims use since March, 1935.

Ser. No. 375,278. TOWNLEY FROCKS INC., New York, N. Y. Filed Feb. 26, 1936.



The wording is disclaimed apart from the mark.
For Misses' and Women's Dresses, Skirts, Blouses, Sport Dresses, Evening Dresses, Evening Wraps, Jackets, and Suits.
Claims use since July 1, 1935.

Ser. No. 375,289. FEZ AMERICA, INC., New York, N. Y. Filed Feb. 27, 1936.



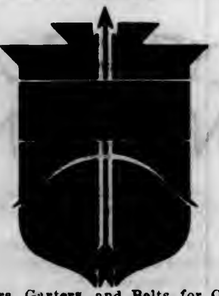
The words "Genuine Basque Beret" are disclaimed apart from the mark.
For Berets.
Claims use since Feb. 1, 1936.

Ser. No. 375,336. THE MENIHAN COMPANY, Rochester, N. Y. Filed Feb. 28, 1936.

Antipro

For Shoes of Leather or Fabric or Combinations Thereof.
Claims use since 1934.

Ser. No. 375,344. PIONEER SUSPENDER COMPANY, Philadelphia, Pa. Filed Feb. 28, 1936.



For Suspenders, Garters, and Belts for Outer Wear.
Claims use since Feb. 1, 1936.

Ser. No. 375,382. JACOB FINKELSTEIN & SONS, Woonsocket, R. I. Filed Feb. 29, 1936.



For Trench Coats for Boys and Men Also Raincoats, Sport Coats, Top Coats, Breeches, and Snow Suits.
Claims use since November, 1935.

Ser. No. 375,422. BRILL BROTHERS, INC., New York, N. Y. Filed Mar. 2, 1936.



For Men's and Boys' Suits and Overcoats.
Claims use since Feb. 14, 1936.

Ser. No. 375,426. A. DAVIS & SONS, INC., New York, N. Y. Filed Mar. 2, 1936.



For Women's and Misses' Coats and Suits.
Claims use since November, 1934.

Ser. No. 375,444. LORRAINE KRISTAL, New York, N. Y. Filed Mar. 2, 1936.

Sports Maker

For Women's Apparel and Sports Wear—Namely, Blouses, Slacks, Shirts, Skirts, Sweaters, Suits, Dresses, Shorts Sets, Scarfs, Jackets, and Riding Habits.
Claims use since Feb. 6, 1936.

Ser. No. 375,495. JOHN DAVID, New York, N. Y. Filed Mar. 3, 1936.

Belgrave Square

For Socks, Men's Union Suits, Undershirts, Underdrawers, Dress and Negligee Shirts, Neckties, Collars, Men's Hats and Caps, Leather and Fabric Gloves, Men's Suits, Sweaters, Overcoats, Raincoats, Mufflers, Pajamas, Bath and Lounging Robes, and Bathing Suits.
Claims use since Feb. 20, 1936.

Ser. No. 375,545. GRATENSTEIN'S, INC., Brooklyn, N. Y. Filed Mar. 4, 1936.



For Corsets, Brassières, Corselettes, Girdles, and Parts of Such Garments.
Claims use since Feb. 28, 1936.

Ser. No. 375,710. THE FRANK H. LEE COMPANY, Danbury, Conn. Filed Mar. 7, 1936.

CAMPUS HALL

For Men's and Boys' Felt and Straw Hats.
Claims use since Aug. 1, 1935.

Ser. No. 375,715. THE MOYER MANUFACTURING COMPANY, Youngstown, Ohio. Filed Mar. 7, 1936.

GRANDEZE

For Adjustable Trousers.
Claims use since Jan. 21, 1936.

Ser. No. 375,743. APOLLO SHIRT COMPANY, New York, N. Y. Filed Mar. 9, 1936.

Sportmaster

For Men's Dress, Work, and Undershirts.
Claims use since Feb. 24, 1936.

Ser. No. 375,806. MARKS ROSENBERG & BROS., New York, N. Y. Filed Mar. 10, 1936.

Maracuna

For Men's Overcoats and Top Coats.
Claims use since Mar. 2, 1936.

Ser. No. 375,836. BEE HAT & CAP CO., St. Louis, Mo. Filed Mar. 11, 1936.



For Men's and Boys' Hats and Caps.
Claims use since February, 1933.

Ser. No. 375,903. M. C. SCHRANK COMPANY, Bridgeton, N. J. Filed Mar. 12, 1936.

BIAS TRIDE

For Women's and Misses' Dresses.
Claims use since Feb. 1, 1936.

Ser. No. 375,913. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Mar. 12, 1936.

Penn Square

For Men's Suits, Overcoats, Topcoats, Shirts, and Underwear.
Claims use since Mar. 6, 1936.

Ser. No. 375,914. JOHN WANAMAKER PHILADELPHIA, Phildelphia, Pa. Filed Mar. 12, 1936.

SWAGGATEENS

For Ladies' and Misses' Shoes Made of Leather, Fabric, and Rubber, and Combinations of the Same.
Claims use since Feb. 1, 1936.

Ser. No. 375,931. CONSOLIDATED MILLINERY COMPANY, Chicago, Ill. Filed Mar. 13, 1936.



For Ladies' and Misses' Hats.
Claims use since Mar. 4, 1936.

Ser. No. 375,932. CONSOLIDATED MILLINERY COMPANY, Chicago, Ill. Filed Mar. 13, 1936.



For Ladies' and Misses' Hats.
Claims use since Mar. 4, 1936.

Ser. No. 375,976. H. C. ABERLE CO., Philadelphia, Pa. Filed Mar. 14, 1936.

PIROUETTE MIST

For Hosiery.
Claims use since Jan. 8, 1936.

Ser. No. 375,977. H. C. ABERLE CO., Philadelphia, Pa. Filed Mar. 14, 1936.

PIROUETTE SHEER

The word "Sheer" is disclaimed apart from the mark.
For Hosiery.
Claims use since Jan. 8, 1936.

Ser. No. 375,991. HAT CORPORATION OF AMERICA, Norwalk, Conn. Filed Mar. 14, 1936.



For Hats for Men and Women.
Claims use since Jan. 31, 1936.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 373,335. GUY STANLEY FABER, doing business as Vooa Products Laboratory, Chicago, Ill. Filed Jan. 6, 1936.



The picture is a likeness of Marguerite Harvey. The symbols beneath the picture signify the word "Vooa".
For Hair Pins Made of Non-Precious Metal.
Claims use since Dec. 10, 1935.

Ser. No. 375,372. AUTOMATIC PEARL BUTTON CO., Muscatine, Iowa. Filed Feb. 29, 1936.

PEARLROCK

For Buttons Not Made of Precious Metals.
Claims use since Feb. 1, 1936.

Ser. No. 375,607. TEXTILE CORPORATION OF AMERICA, New York, N. Y. Filed Mar. 5, 1936.

Mother Hubbard

For Rug Strips, Remnants, and Quilt Patches of Cotton, Rayon, and Silk Textiles.
Claims use since Jan. 23, 1936.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 371,221. JOSEPH GEORGE LEVY, New York, N. Y. Filed Nov. 5, 1935.

"STREAM-LYNE"

For Wool, Cotton, and Silk Piece Goods Fabrics.
Claims use since October, 1934.

Ser. No. 371,954. MARDICK L. BALIOZIAN, doing business as Anglo Oriental Importing & Rug Co., New York, N. Y. Filed Nov. 25, 1935.

SUPER—KERMAN

The word "Kerman" is disclaimed.
For Textile Rugs.
Claims use since Oct. 5, 1935.

Ser. No. 374,190. F. C. HUYCK & SONS, Rensselaer and Albany, N. Y. Filed Jan. 28, 1936.

KENWOOD HEATHER

Applicant is the owner of Registration Number 92,428 effected under the ten-year proviso. The words "Heather" and "Wool Products" are disclaimed except as shown.
For Woolen Blankets.
Claims use since Jan. 16, 1936.

Ser. No. 375,133. THE CROFTER HAND WOVEN HARRIS TWEED COMPANY, LIMITED, Stornoway, Scotland. Filed Feb. 24, 1936.

CROFLAN

For Cloths and Stuffs of Wool, Worsted, or Hair.
Claims use since Jan. 2, 1936.

Ser. No. 375,540. DUPLAN SILK CORPORATION, New York, N. Y. Filed Mar. 4, 1936.

VIVACITY

For Textile Fabrics—Namely, Silk Fabric, Cotton Fabric, Rayon Fabric, and Fabrics Composed of Synthetic Yarns in the Piece.
Claims use since August, 1913.

Ser. No. 375,577. T. F. GIBBONEY CO. INC., Reedsville, Pa., and New York, N. Y. Filed Mar. 5, 1936.



For Woolen Blankets.
Claims use since Aug. 8, 1934.

Ser. No. 375,689. CASE & CO., INC., New York, N. Y. Filed Mar. 7, 1936.

CASECONET

For Silk, Rayon, and Acetate Piece Goods.
Claims use since Feb. 6, 1935.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 350,974. THE ST. PAUL WELDING AND MANUFACTURING COMPANY, St. Paul, Minn. Filed May 5, 1934.

TORIT

For Dental Laboratory Equipment and Accessories Therefor—Namely, Gas, Liquid Fuel, and Acetylene Blow-Pipes, Burners, Wax Eliminators, Welders, Vulcanizers, Casting Machines and Presses, Soldering and Welding Apparatus, Acetylene Regulators, Denture Heaters, Swagers, Spatulators, Gold Treating Apparatus, Flask Clamps, Dry-Heat Flasks, Flask Drying Apparatus, Flask Vibrators, and Hot Plates.
Claims use since Apr. 15, 1919.

Ser. No. 374,634. NAT P. STECKLER, doing business as Zoe Products, New York, N. Y. Filed Feb. 8, 1936.

ProTek ProTek ProTek

For Ear Drum Protectors, Athletic Suspenders, and Sanitary Belts, Abdominal Belts, and Arch Supports.
Claims use since Dec. 2, 1935.

Ser. No. 374,924. DETROIT DENTAL MANUFACTURING CO., Detroit, Mich. Filed Feb. 17, 1936.

LUMOSCOPE

For Magnifying and Illuminating Devices for Dental and Surgical Purposes.
Claims use since Oct. 15, 1935.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 375,528. WONDER MIX, INC., Minneapolis, Minn. Filed Mar. 3, 1936.

WONDER MIX

The word "Mix" is disclaimed except as shown.
For Maltless, Non-Alcoholic Beverage Sold as a Soft Drink.
Claims use since Jan. 11, 1936.

Ser. No. 376,554. JAMES VERNOR COMPANY, Detroit, Mich. Filed Mar. 28, 1936.



For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks, and Syrups, Extracts, and Flavors Used in Making the Same.
Claims use since July 1, 1934.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 367,102. LOVELL AND COYEL COMPANY, Cambridge, Mass. Filed July 9, 1935.



The word "Chocolate" is disclaimed apart from the mark as shown.
For Candy.
Claims use since Oct. 10, 1921.

Ser. No. 369,686. CITRUS CITY GROWERS ASSOCIATION, Largo, Fla. Filed Sept. 25, 1935.



For Fresh Citrus Fruits—Namely, Grapefruit, Oranges, Tangerines, Limes, and Lemons.
Claims use since 1908.

Ser. No. 370,243. BOZEMAN CANNING CO., Mt. Vernon, Wash. Filed Oct. 11, 1935.

FRIGIFOODS

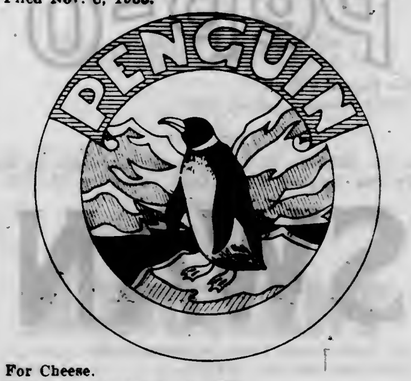
For Frozen Fresh Vegetables, Canned and Packaged.
Claims use since Aug. 31, 1935.

Ser. No. 370,874. E. H. EDWARDS COMPANY, Chicago, Ill. Filed Oct. 28, 1935.



No claim is made to the representation of a bag as a container apart from the mark shown.
For Marshmallows.
Claims use since Aug. 15, 1935.

Ser. No. 371,352. RALPH A. LOPEZ, New York, N. Y. Filed Nov. 8, 1935.



For Cheese.
Claims use since Oct. 14, 1935.

Ser. No. 371,680. Cor-El-Aine Laboratories, Inc., Des Moines, Iowa. Filed Nov. 18, 1935.



For Bread.
Claims use since July 20, 1935.

Ser. No. 372,820. Chr. Bjelland & Co., Inc., New York, N. Y. Filed Dec. 19, 1935.



The person depicted is King Oscar of Norway, deceased.
For Meat Products—Namely, Liver Paste.
Claims use since Nov. 25, 1935.

Ser. No. 372,858. St. Martin Oyster Co., Houma, La. Filed Dec. 19, 1935

Pep-O

For Canned Shrimp.
Claims use since August, 1932.

Ser. No. 372,949. E. L. Barr, doing business as Barr Packing Company, Sanger, Calif. Filed Dec. 23, 1935.

SWAN

For Fresh Grapes, Fresh Deciduous Fruits.
Claims use since July 1, 1914.

Ser. No. 373,279. The Woolson Spice Company, Toledo, Ohio. Filed Jan. 2, 1936.



For Coffee and Spices.
Claims use since February, 1910.

Ser. No. 374,028. The Universal Milk Company, New York, N. Y. Filed Jan. 23, 1936.

RIKA

For Powdered Milk.
Claims use since Dec. 19, 1935.

Ser. No. 374,029. The Universal Milk Company, New York, N. Y. Filed Jan. 23, 1936.



The word "Brand" is disclaimed apart from the mark.
For Powdered Milk.
Claims use since Dec. 19, 1935.

Ser. No. 374,315. G. Fred Obrecht, doing business as P. Fred'k Obrecht & Son and The Egg-O-Milk Company, Baltimore, Md. Filed Feb. 1, 1936.

EGG-O-MILK
BLEND

The words "Egg," "Milk," and "Brand" are disclaimed apart from the mark.
For Supplement to Poultry, Hog, and Dairy Foods.
Claims use since January, 1920.

Ser. No. 374,486. Standard Brands Incorporated, New York, N. Y. Filed Feb. 4, 1936.

Rainbow

Applicant is the owner of trade-mark registration No. 59,897.
For Canned Vegetables.
Claims use since February, 1903.

Ser. No. 374,495. Taylor & Sledd, Inc., Richmond, Va. Filed Feb. 4, 1936.

WEST-OVER

For Canned Fruits and Vegetables.
Claims use since Dec. 29, 1935.

Ser. No. 374,618. Jacob Gedrich, doing business as Nut Products Co., Newark, N. J. Filed Feb. 8, 1936.



No claim is made to any wording except "Nut Products Co." apart from the mark as shown.
For Packaged Nuts and Nutmeats.
Claims use since July 15, 1932.

Ser. No. 374,683. Pillsbury Flour Mills Company, Minneapolis, Minn. Filed Feb. 10, 1936.

HEART OF THE NORTH

For Wheat Flour.
Claims use since Nov. 8, 1935.

Ser. No. 374,792. Meridian Grain & Elevator Co., Meridian, Miss. Filed Feb. 13, 1936.

SOWASHEE

For Corn Meal.
Claims use since August, 1935.

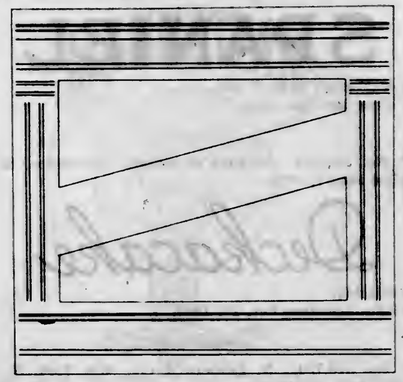
Ser. No. 375,094. Peerless Confection Co., Chicago, Ill. Filed Feb. 21, 1936.

Peerless Maid

FINE HARD CANDIES
CELL-O-WRAPT

The words "Fine Hard Candies" and "Wrapt" are disclaimed apart from the mark shown.
For Candy.
Claims use since Feb. 5, 1936.

Ser. No. 375,215. Frederick F. Lowenfels & Son, New York, N. Y. Filed Feb. 25, 1936.



For Butter.
Claims use since July, 1934.

Ser. No. 375,254. Lake Garfield Nurseries Co., Bartow, Fla. Filed Feb. 26, 1936.

OUR LAKE

For Fresh Citrus Fruits.
Claims use since Nov. 20, 1933.

Ser. No. 375,639. General Mills, Inc., Minneapolis, Minn. Filed Mar. 6, 1936.

SHREDDIES

For Cereal Food Products, Particularly Breakfast Cereal.
Claims use since Feb. 25, 1936.

Ser. No. 375,648. Edgar P. Lewis & Sons, Inc., doing business as Hearts Adrift Candies, Malden, Mass. Filed Mar. 6, 1936.



For Chocolates.
Claims use since Feb. 10, 1936.

Ser. No. 375,667. The Red Lands Company, Grand Junction, Colo. Filed Mar. 6, 1936.

MONUMENT

For Fresh Deciduous Fruit.
Claims use since August, 1932.

Ser. No. 375,704. GRAND VIEW HEIGHTS CITRUS ASSOCIATION, Terra Bella, Calif. Filed Mar. 7, 1936.

SPANIEL

For Fresh Citrus Fruits.
Claims use since 1928.

Ser. No. 375,734. HOWARD G. STARK, Providence, R. I. Filed Mar. 7, 1936.

Deckacake

For Icing.
Claims use since Feb. 15, 1935.

Ser. No. 375,794. N. DORMAN & CO., New York, N. Y. Filed Mar. 10, 1936.

ENDECO

For Cheese.
Claims use since Oct. 1, 1932.

Ser. No. 375,832. ANHEUSER-BUSCH, INCORPORATED, St. Louis, Mo. Filed Mar. 11, 1936.

ANHEUSER-BUSCH
A-B
YEAST FOOD

The words "Yeast Food" are disclaimed apart from the mark.
For Dough Conditioner in Powdered Form.
Claims use since Jan. 28, 1936.

Ser. No. 375,882. GENERAL MILLS, INC., Minneapolis, Minn. Filed Mar. 12, 1936.

OLD SMOOTHIE

For Flour, Particularly Wheat Flour.
Claims use since Oct. 14, 1935.

Ser. No. 375,892. JOE LOWE CORPORATION, New York, N. Y. Filed Mar. 12, 1936.

TICK TOCK

For Frozen Confections.
Claims use since Feb. 7, 1936.

Ser. No. 375,928. CALIFORNIA PET FOODS COMPANY, Sacramento, Calif. Filed Mar. 13, 1936.

BONNIE

For Animal and Pet Foods.
Claims use since Feb. 29, 1936.

CLASS 47

Wines

Ser. No. 367,356. KANDA SHOKAI, LTD., Honolulu, Hawaii, now by change of name Fuji Sake Brewing Co., Ltd., Honolulu, Hawaii. Filed July 16, 1935.



The Japanese characters to the left of the central group mean "refined sake—carefully made." The central group of Japanese characters give the phonetic pronunciation of "Masa Mune". The Japanese characters to the right of the central group mean "Fuji Masa Mune". Without waiving any common law rights, all the wording appearing on the drawing in either Japanese or in English, with the exception of the term "Fuji-Masamune" is disclaimed apart from the mark as shown on the drawing.
For Sake, an Alcoholic Beverage Containing Approximately 18% Alcohol and Made Principally from Fermentation of Mash, the Basis of Which is Rice Malt.
Claims use since Oct. 12, 1934.

Ser. No. 374,000. PAUL DE MARINIS, INC., Youngstown, Ohio. Filed Jan. 23, 1936.

Sunny Gold

For Wines.
Claims use since Jan. 2, 1936.

CLASS 48

Malt Beverages and Liquors

Ser. No. 376,018. THE VICTOR BREWING CO., Jeannette, Pa. Filed Mar. 14, 1936.

OLD SLEIGH
HALF & HALF

No claim is made to the words "Half & Half" apart from the mark.
For Beer, Ale, and Porter.
Claims use since Feb. 24, 1936.

Ser. No. 376,352. KUEBLER BREWING CO. INC., Easton, Pa. Filed Mar. 24, 1936. Under 10-year proviso.

KUEBLER

For Beer.
Claims use since 1852.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 361,734. WILLIAM GORDON, West New York, N. J. Filed Feb. 23, 1935.



The words "American" and "The Height of Perfection" are disclaimed apart from the mark.
For Distilled Dry Gin.
Claims use since Sept. 17, 1934.

Ser. No. 361,735. WILLIAM GORDON, West New York, N. J. Filed Feb. 23, 1935.



For Straight Whiskey.
Claims use since June 15, 1934.

Ser. No. 361,736. WILLIAM GORDON, West New York, N. J. Filed Feb. 23, 1935.



The words "Manhattan" and "The Height of Perfection" are disclaimed apart from the mark.
For Cocktail.
Claims use since Sept. 17, 1934.

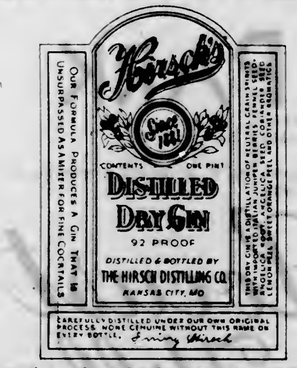
Ser. No. 361,737. WILLIAM GORDON, West New York, N. J. Filed Feb. 23, 1935.

MOOSE HEAD



No claim is made to the words "The Height of Perfection".
For Straight Whiskey.
Claims use since Oct. 1, 1934.

Ser. No. 375,642. HIRSCH DISTILLING COMPANY, Kansas City, Mo. Filed Mar. 6, 1936.



The outline of a label and all notations except "Hirsch's", "Since 1881", "The Hirsch Distilling Co." and "Irving Hirsch" are disclaimed apart from the mark shown.
For Gin.
Claims use since May 1, 1934.

Ser. No. 375,668. JOSEPH H. REINFELD, INC., Newark, N. J. Filed Mar. 6, 1936.

CAMDALE

For Whiskey.
Claims use since Dec. 20, 1935.

Ser. No. 375,758. GILBERT F. FITZGERALD, doing business as Serv-A-Can Cocktail Co., Milwaukee, Wis. Filed Mar. 9, 1936.

Serv-a-Can

No claim is made to the word "Can" apart from the mark shown.
For Cocktails.
Claims use since Mar. 6, 1936.

Ser. No. 376,462. CHESAPEAKE BRANDS, INC., Minneapolis, Minn. Filed Mar. 27, 1936.

Du Monde

For Sloe Gin, Grenadine Syrup, and Alcoholic Liqueurs.
Claims use since Jan. 28, 1935.

Ser. No. 376,463. CHESAPEAKE BRANDS, INC., Minneapolis, Minn. Filed Mar. 27, 1936.

RUM RIVER

For Whiskey.
Claims use since Aug. 23, 1935.

Ser. No. 376,481. G. R. MCGINNIS, Louisville, Ky. Filed Mar. 27, 1936.

CENTRAL PARK

For Whiskey.
Claims use since Jan. 24, 1936.

Ser. No. 376,482. G. R. MCGINNIS, Louisville, Ky. Filed Mar. 27, 1936.

Locust Hill

For Whiskey.
Claims use since September, 1935.

Ser. No. 376,501. E. L. SPELLMAN CO., INC., New York, N. Y. Filed Mar. 27, 1936.



For Whiskey.
Claims use since Nov. 6, 1934.

Ser. No. 376,527. MAURICE CLAVIERES, doing business as Les Successeurs de F. Cazanove, Bordeaux, France. Filed Mar. 28, 1936. Under 10-year proviso.

CAZANOVE

For Cordials and Liqueurs.
Claims use since 1885.

Ser. No. 376,551. SOCIETE ANONYME LES FILS DE P. BARDINET, Cauderan, near Bordeaux, France. Filed Mar. 28, 1936.

CHOCOR

For Cordials.
Claims use since Jan. 22, 1936.

Ser. No. 376,553. SUPREME DISTRIBUTORS, INC., Phoenix, Ariz. Filed Mar. 28, 1936.

THREE CARDS

For Whiskey.
Claims use since Mar. 20, 1936.

Ser. No. 376,614. HARRY A. VEENEMAN & SONS, INCORPORATED, Chicago, Ill. Filed Mar. 30, 1936.



KENTUCKY'S OWN

For Whiskey.
Claims use since Mar. 14, 1936.

CLASS 50

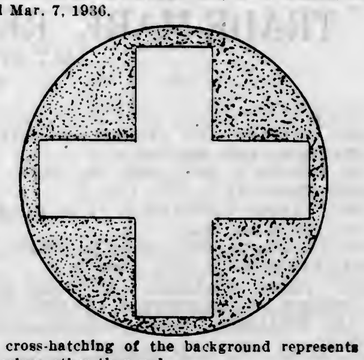
Merchandise Not Otherwise Classified

Ser. No. 369,088. MCLAURIN-JONES CO., Brookfield, Mass. Filed Sept. 7, 1935.

HYFLEX

For Book Headbands and Headband Strip Stock from Which Individual Headbands are Cut, said Headbands and Stock Comprising a Strip of Fabric Folded Upon Itself With the Two Folds Adhesively Secured Together, and a Cord or String Secured in the Fold.
Claims use since May 9, 1935.

Ser. No. 375,729. SEALRIGHT CO., INC., Fulton, N. Y. Filed Mar. 7, 1936.



The cross-hatching of the background represents different colors other than red.
For Bottle Closures.
Claims use since June 1, 1935.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MAY 5, 1936

334,390. BOTTLED AND CANNED DOG SHAMPOO. WALTER G. LEGGE, New York, N. Y.
Filed December 5, 1935. Serial No. 372,282. PUBLISHED FEBRUARY 25, 1936. Class 6.

334,391. LADIES' UNDERWEAR. FORD MANUFACTURING, INC., Boston, Mass.
Filed December 12, 1935. Serial No. 372,558. PUBLISHED FEBRUARY 11, 1936. Class 39.

334,392. DRESS, NEGLIGEE, AND WORK SHIRTS; HOSIERY, AND UNDERWEAR, FOR MEN, WOMEN, AND CHILDREN. JOSEPH P. BUBLA, New York, N. Y.
Filed December 12, 1935. Serial No. 372,542. PUBLISHED FEBRUARY 11, 1936. Class 39.

334,393. LEATHER. AGOOS LEATHER COMPANIES, INC., Boston, Mass.
Filed December 12, 1935. Serial No. 372,539. PUBLISHED FEBRUARY 11, 1936. Class 1.

334,394. UNCOLORED (NATURAL) RAFFIA AND COLORED RAFFIA. JULIUS LOEWITH, INC., New York, N. Y.
Filed December 11, 1935. Serial No. 372,519. PUBLISHED FEBRUARY 11, 1936. Class 1.

334,395. TEXTILE FABRICS IN THE PIECE, OF COTTON, WOOL, SILK, RAYON, AND/OR COMBINATIONS THEREOF. CLEVELAND CLOTH MILLS, INC., Shelby, N. C.
Filed December 11, 1935. Serial No. 372,509. PUBLISHED FEBRUARY 11, 1936. Class 42.

334,396. TEXTILE FABRICS IN THE PIECE, OF COTTON, WOOL, SILK, RAYON, AND/OR COMBINATIONS THEREOF. CLEVELAND CLOTH MILLS, INC., Shelby, N. C.
Filed December 11, 1935. Serial No. 372,508. PUBLISHED FEBRUARY 11, 1936. Class 42.

334,397. PRINTING PAPER. WEST VIRGINIA PULP & PAPER COMPANY, New York, N. Y.
Filed December 29, 1934. Serial No. 359,836. PUBLISHED FEBRUARY 18, 1936. Class 37.

334,398. WRITING PAPER. WEST VIRGINIA PULP & PAPER COMPANY, New York, N. Y.
Filed December 29, 1934. Serial No. 359,835. PUBLISHED FEBRUARY 18, 1936. Class 37.

334,399. LIQUID INSECTICIDE COMPOSITION (WHICH COMPOSITION IS USEFUL FOR PROTECTING VARIOUS MATERIALS, FOR EXAMPLE, WOOD, FABRICS, PAPER, ETC., AGAINST DETERIORATION BY TERMITES, WORMS, AND OTHER INSECTS. THOMAS L. CUNNINGHAM, New York, N. Y.
Filed December 24, 1934. Serial No. 359,620. PUBLISHED FEBRUARY 18, 1936. Class 6.

334,400. LIQUID COMPOSITION FOR PREVENTING ACCIDENTAL IGNITION OF MATCHES AND OTHER INFLAMMABLE MATERIALS. THOMAS L. CUNNINGHAM, New York, N. Y.
Filed December 24, 1934. Serial No. 359,619. PUBLISHED FEBRUARY 18, 1936. Class 6.

334,401. WEEKLY INCOME RECORD BLANK BOOKS. COMMONWEALTH PUBLISHING COMPANY, Chicago, Ill.
Filed December 20, 1934. Serial No. 359,505. PUBLISHED FEBRUARY 11, 1936. Class 37.

334,402. NECKWEAR—NAMELY, NECKTIES AND SCARFS MADE OF COTTON FABRICS. LORRAINE MANUFACTURING COMPANY, Pawtucket, R. I.
Filed December 4, 1934. Serial No. 358,884. PUBLISHED FEBRUARY 25, 1936. Class 39.

334,403. LIQUID ASBESTOS ROOF CEMENT. LOUIS D. STERN, doing business as Monroe Co., Inc., Cleveland, Ohio.
Filed December 4, 1935. Serial No. 372,257. PUBLISHED FEBRUARY 18, 1936. Class 12.

334,404. CHOCOLATE, SWEET CHOCOLATE, SEMI-SWEET CHOCOLATE, MILK CHOCOLATE, SWEET MILK CHOCOLATE, BAKING CHOCOLATE, CHOCOLATE FRUIT AND NUT BARS, AND CHOCOLATE FLAVORED SYRUP USED AS A TOPPING FOR ICE CREAM SUNDAES, PUDDINGS, CAKES, AND OTHER FOOD PRODUCTS. WILBUR-SUCHARD CHOCOLATE COMPANY, Lititz, Pa.
Filed December 2, 1935. Serial No. 372,227. PUBLISHED FEBRUARY 25, 1936. Class 46.

334,405. WEARING APPAREL—NAMELY, LADIES' COATS, SUITS, SKIRTS, AND ENSEMBLES. BROOKSHIRE COAT CO. INC., New York, N. Y.
Filed November 30, 1935. Serial No. 372,129. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,406. DRESS AND NEGLIGEE SHIRTS, POLO SHIRTS, COLLARS, PAJAMAS, SWEATERS, BATH ROBES, LOUNGING ROBES, AND MEN'S UNDERWEAR. NATIONAL SHIRT SHOPS OF DELAWARE, INC., New York, N. Y.
Filed December 7, 1935. Serial No. 372,376. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,407. LAWN SEED. L. KLEIN, INC., Chicago, Ill.
Filed November 29, 1935. Serial No. 372,102. PUBLISHED FEBRUARY 18, 1936. Class 1.

334,408. RAINCOATS AND COATS MADE OF FABRICS FOR USE OF AND TO BE WORN BY MEN, WOMEN, BOYS OR GIRLS. WILLIAM R. BRADSHAW, New York, N. Y.
Filed November 29, 1935. Serial No. 372,083. PUBLISHED FEBRUARY 11, 1936. Class 39.

334,409. DRESSES FOR ADULTS. B. ALTMAN & CO., New York, N. Y.
Filed November 29, 1935. Serial No. 372,073. PUBLISHED FEBRUARY 25, 1936. Class 39.

334,410. KNITTED SWEATERS FOR MEN, WOMEN, AND CHILDREN. PALLMALL KNITTING MILLS, Philadelphia, Pa.
Filed November 27, 1935. Serial No. 372,063. PUBLISHED FEBRUARY 11, 1936. Class 39.

334,411. POWDER PUFFS. COLUMBIA PLUSH & PUFF CO., INC., Brooklyn, N. Y.
Filed November 27, 1935. Serial No. 372,045. PUBLISHED FEBRUARY 11, 1936. Class 29.

334,412. PLATE GLASS FOR USE IN AUTOMOBILE DOORS AND AUTOMOBILE WINDSHIELDS. JESSIE BRANDT, doing business as Globe Auto Glass Company, Chicago, Ill.
Filed November 27, 1935. Serial No. 372,040. PUBLISHED FEBRUARY 25, 1936. Class 33.

334,413. MEN'S SHIRTS, SPECIFICALLY MEN'S WORK SHIRTS. SWEET-ORR & CO., INC., Wappingers Falls and New York, N. Y.
Filed November 26, 1935. Serial No. 372,033. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,414. PERIODICAL. SIMMONS-BOARDMAN PUBLISHING CO., New York, N. Y.
Filed November 26, 1935. Serial No. 372,031. PUBLISHED FEBRUARY 18, 1936. Class 38.

334,415. WATERPROOFED TEXTILE FABRICS. PLOTTEL BROTHERS, New York, N. Y.
Filed November 26, 1935. Serial No. 372,025. PUBLISHED FEBRUARY 11, 1936. Class 50.

334,416. EDIBLE DELICACY MADE OF PARCHED AND POPPED FIELD CORN ESPECIALLY PROCESSED BY COOKING IN A PRESSURE COOKER AND THEN FRYING IN DEEP FAT. BACKS-JACKSON, Anaheim, Calif.
Filed November 26, 1935. Serial No. 372,000. PUBLISHED FEBRUARY 25, 1936. Class 46.

334,417. HECTOGRAPHIC SPIRIT DUPLICATING MACHINES, WHICH PRINT DIRECTLY FROM MIRRORSCRIPT ORIGINALS. ORMIG CORPORATION, New York, N. Y.
Filed September 20, 1935. Serial No. 369,546. PUBLISHED FEBRUARY 11, 1936. Class 37.

334,418. KIT CONSISTING OF A LEATHER CASE CONTAINING A FIBRE CLOTHES BRUSH AND LAMB'S WOOL SHOE POLISHING PAD. ATLAS SUPPLY COMPANY, Newark, N. J.
Filed September 19, 1935. Serial No. 369,472. PUBLISHED FEBRUARY 18, 1936. Class 29.

334,419. LADIES' RAYON UNDERWEAR. O'BRYAN BROTHERS, Chicago, Ill.
Filed September 18, 1935. Serial No. 369,456. PUBLISHED FEBRUARY 11, 1936. Class 39.

334,420. FUR SKINS. SKIROW FUR COMPANY, Chicago, Ill.
Filed September 13, 1935. Serial No. 369,290. PUBLISHED FEBRUARY 11, 1936. Class 1.

334,421. GRANULAR ANTI-SLIP MATERIAL CONSISTING PARTICULARLY OF SAND PUT UP IN PACKAGES FOR SPRINKLING ON THE GROUND. SAFE-O COMPANY, Pittsfield, Mass.
Filed September 12, 1935. Serial No. 369,248. PUBLISHED FEBRUARY 11, 1936. Class 1.

334,422. FERTILIZERS. ARCHIE C. BINGHAM, doing business as The Bingham Poultry Ranch, South Edmeston, N. Y.
Filed September 3, 1935. Serial No. 368,916. PUBLISHED FEBRUARY 18, 1936. Class 10.

334,423. BRANDY. PADRE VINEYARD CO., Los Angeles, Calif.
Filed January 13, 1936. Serial No. 373,613. PUBLISHED FEBRUARY 25, 1936. Class 49.

334,424. SCOTCH WHISKY. BELLOWS & COMPANY, INC., New York, N. Y.
Filed January 13, 1936. Serial No. 373,587. PUBLISHED FEBRUARY 25, 1936. Class 49.

334,425. SLOE GIN, GIN, GIN HIGHBALL, GIN RICKEY, TOM COLLINS, WHISKEY, AND BRANDY. MISSION DRY CORPORATION, Los Angeles, Calif.
Filed January 11, 1936. Serial No. 373,572. PUBLISHED FEBRUARY 25, 1936. Class 49.

334,426. STARCH PRODUCT USED AS A COAGULANT IN COAL WASH-WATER. CORN PRODUCTS REFINING COMPANY, New York, N. Y.
Filed January 9, 1936. Serial No. 373,487. PUBLISHED FEBRUARY 25, 1936. Class 6.

334,427. WOMEN'S DRESSES. HOSTESS FROCKS, INC., New York, N. Y.
Filed January 8, 1936. Serial No. 373,448. PUBLISHED FEBRUARY 25, 1936. Class 39.

334,428. GAMES AND MORE PARTICULARLY FOR A TABLE-BOARD GAME—NAMELY, A MECHANICAL DEVICE WITH REVOLVING INDICIA. EDWIN H. CRAIG, Shippensburg, Pa.
Filed January 8, 1936. Serial No. 373,442. PUBLISHED FEBRUARY 25, 1936. Class 22.

334,429. EYE DROPS, EYE WASH, AND EYE LOTION. WITOLD V. KUCZYNSKI, doing business as Witold Products Company, New York, N. Y.
Filed January 7, 1936. Serial No. 373,419. PUBLISHED FEBRUARY 18, 1936. Class 6.

334,430. WOMEN'S AND MISSES' UNDERWEAR, SLIPS, STEP-INS, PANTIES, DANCE SETS, CHEMISES, PAJAMAS, AND NIGHT GOWNS. DAVID KORN & CO., INC., New York, N. Y.
Filed January 7, 1936. Serial No. 373,418. PUBLISHED FEBRUARY 25, 1936. Class 39.

334,431. OVERALLS, WORK PANTS, WORK DRESSES, AND WORK COATS. GROSS GALESBURG COMPANY, Galesburg, Ill.
Filed January 7, 1936. Serial No. 373,414. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,432. GIN. ADAMS, MITCHELL & CO., INC., Boston, Mass.
Filed January 7, 1936. Serial No. 373,403. PUBLISHED FEBRUARY 25, 1936. Class 49.

334,433. WHISKEY. MARGULIS & COMPANY, Philadelphia, Pa.
Filed January 6, 1936. Serial No. 373,384. PUBLISHED FEBRUARY 25, 1936. Class 49.

334,434. MOTOR LUBRICATING OILS, MOTOR FUEL GASOLINE AND HEATER FUEL OILS. MICHAEL J. STRASSNER, doing business as Q. D. A. Laboratories, Paterson, N. J.
Filed May 13, 1935. Serial No. 364,896. PUBLISHED FEBRUARY 18, 1936. Class 15.

334,435. SALT COD FISH. COLLINS, LEE COMPANY, Chelsea, Mass.
Filed May 9, 1935. Serial No. 364,713. PUBLISHED AUGUST 13, 1935. Class 46.

334,436. PHOTOGRAPHIC APPARATUS FOR MAKING CONTACT PRINTS OR ENLARGEMENTS FROM NEGATIVES. THE FOLMER GRAFLEX CORPORATION, Rochester, N. Y.
Filed April 5, 1935. Serial No. 363,430. PUBLISHED FEBRUARY 25, 1936. Class 26.

334,437. PAINT PIGMENTS, PASTE PAINTS, READY MIXED PAINTS, LACQUERS, PAINT ENAMELS, ANTI-CORROSIVE PAINTS, AND ANTI-FOULING PAINTS. TITAN CO. A/S., Fredrikstad, Norway.
Filed March 28, 1935. Serial No. 363,129. PUBLISHED FEBRUARY 25, 1936. Class 16.

334,438. LAGER BEER. MARATHON CITY BREWING COMPANY, Marathon, Wis.
Filed January 22, 1935. Serial No. 360,947. PUBLISHED FEBRUARY 25, 1936. Class 48.

334,439. ASPHALT ROOFING, SATURATED FIBROUS HOUSE LINER, FELT FOR CONSTRUCTION PURPOSES, SHEATHING, AND BUILDING PAPER. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed January 14, 1935. Serial No. 360,258. PUBLISHED FEBRUARY 11, 1936. Class 12.

334,440. FRESH CITRUS FRUITS. ARIZ-SWEET GRAPEFRUIT GROWERS, LTD., Phoenix, Ariz.
Filed January 14, 1935. Serial No. 360,198. PUBLISHED APRIL 23, 1935. Class 46.

334,441. BOOK, PRINTING, AND LITHOGRAPHING PAPER COATED ON ONE SIDE. WEST VIRGINIA PULP & PAPER COMPANY, New York, N. Y.
Filed December 29, 1934. Serial No. 359,839. PUBLISHED FEBRUARY 18, 1936. Class 37.

334,442. PRINTING PAPER. WEST VIRGINIA PULP & PAPER COMPANY, New York, N. Y.
Filed December 29, 1934. Serial No. 359,837. PUBLISHED FEBRUARY 18, 1936. Class 37.

334,443. DRIED LIMA BEANS AND DRIED FRUITS AND VEGETABLES. NORTHERN RICE ASSOCIATES, Sacramento, Calif.
Filed August 16, 1935. Serial No. 368,380. PUBLISHED FEBRUARY 25, 1936. Class 46.

334,444. RAINCOATS AND SPORTJACKETS. FASHION FROCKS, INC., Cincinnati, Ohio.
Filed July 17, 1935. Serial No. 367,390. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,445. PAPER OR FIBRE GARMENT BAGS. CLOPAY CORPORATION, Cincinnati, Ohio.
Filed July 17, 1935. Serial No. 367,388. PUBLISHED FEBRUARY 25, 1936. Class 2.

334,446. COOKIES GENERALLY. FREDERICK C. REINSCHILD, New Rochelle, N. Y., assignor to Agar Products Inc., New Rochelle, N. Y., a corporation.
Filed July 16, 1935. Serial No. 367,371. PUBLISHED FEBRUARY 25, 1936. Class 46.

334,447. MONTHLY MAGAZINE. WOMEN, INC., Chicago, Ill.
Filed July 5, 1935. Serial No. 367,012. PUBLISHED FEBRUARY 18, 1936. Class 38.

334,448. DOWELS AND DEVICES INCLUDING DOWELS USED IN CONCRETE HIGHWAY AND SIMILAR CONSTRUCTIONS. JAMES H. JACOBSON, doing business as The J-Bar Company, Chicago, Ill.
Filed July 3, 1935. Serial No. 366,942. PUBLISHED FEBRUARY 11, 1936. Class 12.

334,449. CREAMS AND COATINGS FOR PROTECTING THE SKIN, PARTICULARLY THE HANDS. GLOVENE, INC., New York, N. Y.
Filed June 19, 1935. Serial No. 366,361. PUBLISHED FEBRUARY 25, 1936. Class 6.

334,450. UNITARY ELECTRICAL APPARATUS FOR THE REPRODUCTION OF SOUND RECORDED UPON PHOTOGRAPHIC FILMS, SUCH APPARATUS BEING SEPARATE FROM THE PICTURE PROJECTION APPARATUS ALTHOUGH SYNCHRONIZED THEREWITH. PLATTER SOUND PRODUCTS CORPORATION, North Vernon, Ind.
Filed October 10, 1934. Serial No. 356,906. PUBLISHED FEBRUARY 12, 1935. Class 21.

334,451. NONALCOHOLIC MALTLESS BEVERAGES AND A BEVERAGE SYRUP FOR MAKING BOTTLED AND FOUNTAIN BEVERAGES. THE S. E. OLA BEVERAGE COMPANY, Washington, Ga.
Filed September 21, 1934. Serial No. 356,267. PUBLISHED NOVEMBER 6, 1934. Class 45.

334,452. SCOTCH WHISKY. WILLIAM MACDONALD FRASER, doing business as Mackintosh & Co., Inverness, Scotland.
Filed August 25, 1934. Serial No. 355,436. PUBLISHED OCTOBER 30, 1934. Class 49.

334,453. WHISKEY. HIRAM WALKER & SONS, INC., Peoria, Ill.
Filed June 11, 1934. Serial No. 352,567. PUBLISHED OCTOBER 2, 1934. Class 49.

334,454. APPLEJACK, WHISKY, RUM, AND ALCOHOLIC CORDIALS. PYRAMID TRADING CO. INC., New York, N. Y., assignor to Mackintosh & Mackintosh, Limited, Stirling, Scotland, a corporation of Great Britain.
Filed April 24, 1934. Serial No. 350,432. PUBLISHED JUNE 19, 1934. Class 49.

334,455. PRETZELS. AMERICAN CONE & PRETZEL COMPANY, Philadelphia, Pa.
Filed January 13, 1932. Serial No. 322,951. PUBLISHED FEBRUARY 25, 1936. Class 46.

334,456. MALT BEVERAGES WITH NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT—NAMELY, BEER, PORTER, ALE. C. SCHMIDT & SONS, INC., Philadelphia, Pa.
Filed January 22, 1936. Serial No. 373,976. PUBLISHED FEBRUARY 25, 1936. Class 48.

334,457. WHISKEY, GIN, AND RUM. BLOOMINGDALE BROS., INC., New York, N. Y.
Filed January 18, 1936. Serial No. 373,817. PUBLISHED FEBRUARY 25, 1936. Class 49.

334,458. DOLLS. PARAGON RUBBER CORPORATION, New York, N. Y.
Filed January 22, 1936. Serial No. 373,970. PUBLISHED FEBRUARY 25, 1936. Class 22.

334,459. WHISKEY. HENRY J. WEST, Terre Haute, Ind.
Filed January 18, 1936. Serial No. 378,855. PUBLISHED FEBRUARY 25, 1936. Class 49.

334,460. PUZZLE. ERNEST L. ZIMMER, doing business as Idelizem Publishing Company, Minneapolis, Minn.
Filed January 16, 1936. Serial No. 373,761. PUBLISHED FEBRUARY 25, 1936. Class 22.

334,461. WHISKEY. MID-WESTERN DISTILLERY PRODUCTS, INC., Louisville, Ky.
Filed January 18, 1936. Serial No. 373,834. PUBLISHED FEBRUARY 25, 1936. Class 49.

334,462. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. ROCHESTER DISTILLING COMPANY, INC., Rochester, N. Y.
Filed January 16, 1936. Serial No. 373,750. PUBLISHED FEBRUARY 25, 1936. Class 49.

334,463. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. ROCHESTER DISTILLING COMPANY, INC., Rochester, N. Y.
Filed January 16, 1936. Serial No. 373,749. PUBLISHED FEBRUARY 25, 1936. Class 49.

334,464. GIN, WHISKEY, AND BRANDY. B. MANSFIELD, doing business as B. Mansfield & Co., Effingham, Ill.
Filed January 16, 1936. Serial No. 373,740. PUBLISHED FEBRUARY 25, 1936. Class 49.

334,465. WHISKEY. KROGMAN DISTILLING CO., INC., Tell City, Ind.
Filed January 16, 1936. Serial No. 373,737. PUBLISHED FEBRUARY 25, 1936. Class 49.

334,466. WHISKEY. KROGMAN DISTILLING CO., INC., Tell City, Ind.
Filed January 16, 1936. Serial No. 373,736. PUBLISHED FEBRUARY 25, 1936. Class 49.

334,467. WHISKEY. FRANKFORT DISTILLERIES, INCORPORATED, Louisville, Ky.
Filed January 16, 1936. Serial No. 373,727. PUBLISHED FEBRUARY 25, 1936. Class 49.

334,468. WHISKEY. FRANKFORT DISTILLERIES, INCORPORATED, Louisville, Ky.
Filed January 16, 1936. Serial No. 373,726. PUBLISHED FEBRUARY 25, 1936. Class 49.

334,469. GIN AND WHISKEY INCLUDING STRAIGHT RYE WHISKEY, STRAIGHT BOURBON WHISKEY, BLENDED WHISKEY, AND STRAIGHT CORN WHISKEY. THE AMERICAN DISTILLING COMPANY, Pekin, Ill., and New York, N. Y.
Filed January 15, 1936. Serial No. 373,661. PUBLISHED FEBRUARY 25, 1936. Class 49.

334,470. FLEXIBLE LONG-FIBERED TYMPAN PAPER, A SPECIAL SUBSTANTIALLY WATER AND AIR PROOF FOOD WRAPPING PAPER FOR HOME REFRIGERATING USE, UNSENSITIZED BLUEPRINT PAPER, ETC. CENTRAL PAPER COMPANY, Muskegon, Mich.
Filed June 18, 1935. Serial No. 366,314. PUBLISHED FEBRUARY 11, 1936. Class 37.

334,471. GOLD LEAF, SILVER LEAF, AND PALLADIUM LEAF. HASTINGS & COMPANY, Philadelphia, Pa.
Filed June 15, 1935. Serial No. 366,232. PUBLISHED FEBRUARY 11, 1936. Class 14.

334,472. FRESH ROASTED NUTS. JOHN N. GERMACK, Detroit, Mich.
Filed June 8, 1935. Serial No. 365,936. PUBLISHED FEBRUARY 25, 1936. Class 46.

334,473. METAL COATED FABRICS OR WEBS, SUCH AS PAPER, CLOTH, FELT, VULCANIZED FIBRE, AND THE LIKE, WITH OR WITHOUT GRANULAR MATERIAL BETWEEN THE FABRIC AND THE METAL. THE CARBORUNDUM COMPANY, Niagara Falls, N. Y.
Filed May 28, 1935. Serial No. 365,511. PUBLISHED FEBRUARY 18, 1936. Class 50.

334,474. BACON. MAJESTIC PROVISION CO., INC., New York, N. Y.
Filed May 18, 1935. Serial No. 365,085. PUBLISHED NOVEMBER 12, 1935. Class 46.

334,475. FIBRE OR PASTEBOARD MERCHANDISE BOXES. CUMLOKT COMPANY, San Francisco, Calif.
Filed December 24, 1935. Serial No. 373,022. PUBLISHED FEBRUARY 25, 1936. Class 2.

334,476. LUBRICATING OILS AND LUBRICATING GREASES. BILTRITE MOTOR EQUIPMENT CO. INC., New York, N. Y.
Filed December 24, 1935. Serial No. 373,018. PUBLISHED FEBRUARY 18, 1936. Class 15.

334,477. LEATHER. BAYER BROTHERS LEATHER CO., INC., New York, N. Y., and Newark, N. J.
Filed December 24, 1935. Serial No. 373,017. PUBLISHED FEBRUARY 18, 1936. Class 1.

334,478. ELECTRICAL SUCTION CLEANERS AND PARTS AND ACCESSORIES THEREOF—NAMELY, ATTACHMENT SUCTION TOOLS FOR CLEANING WALLS, UPHOLSTERY, AND RADIATORS, ETC. AIR-WAY ELECTRICAL APPLIANCE CORPORATION, Toledo, Ohio.
Filed December 23, 1935. Serial No. 373,013. PUBLISHED FEBRUARY 25, 1936. Class 21.

334,479. PRIME-MOVER-DRIVEN ELECTRIC GENERATOR COMBINATIONS, INCLUDING WIND-DRIVEN AND ENGINE-DRIVEN ELECTRIC GENERATOR COMBINATIONS. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed December 23, 1935. Serial No. 373,010. PUBLISHED FEBRUARY 25, 1936. Class 21.

334,480. PREPARATION FOR THE REDUCTION OF WEIGHT IN WAFER FORM TO BE TAKEN INTERNALLY. SCIENTIFIC MEDICINAL PRODUCTS, INC., San Francisco, Calif.
Filed December 23, 1935. Serial No. 372,999. PUBLISHED FEBRUARY 25, 1936. Class 6.

334,481. MONTHLY PUBLICATION. MINNIE M. OIE, doing business as Northwest Farmer, Duluth, Minn.
Filed December 23, 1935. Serial No. 372,987. PUBLISHED FEBRUARY 18, 1936. Class 38.

334,482. PANTIES. BROWN DURRELL CO., New York, N. Y., and Boston, Mass.
Filed December 23, 1935. Serial No. 372,958. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,483. MOUNTING HINGES. ALBERT A. AINSWORTH, Ossining, N. Y.
Filed December 23, 1935. Serial No. 372,943. PUBLISHED FEBRUARY 18, 1936. Class 37.

334,484. CLOCKS AND WATCHES. WESTERN CLOCK COMPANY, Peru, Ill.
Filed December 20, 1935. Serial No. 372,898. PUBLISHED FEBRUARY 18, 1936. Class 27.

334,485. MEN'S OVERCOATS. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y.
Filed December 20, 1935. Serial No. 372,881. PUBLISHED FEBRUARY 11, 1936. Class 39.

334,486. MEN'S OVERCOATS. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y.
Filed December 20, 1935. Serial No. 372,880. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,487. MEN'S AND BOYS' OVERCOATS. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y.
Filed December 20, 1935. Serial No. 372,876. PUBLISHED FEBRUARY 11, 1936. Class 39.

334,488. WALL CALENDARS. FRIENDSHIP CALENDAR COMPANY, New Philadelphia, Ohio.
Filed December 19, 1935. Serial No. 372,828. PUBLISHED FEBRUARY 18, 1936. Class 38.

334,489. ADHESIVE TAPE. BUTLER BROTHERS, Chicago, Ill.
Filed December 19, 1935. Serial No. 372,821. PUBLISHED FEBRUARY 18, 1936. Class 5.

334,490. LADIES' AND CHILDREN'S DRESSES AND SMOCKS AND UNIFORMS FOR WOMEN. PRESS BROTHERS DRESS CORPORATION, Hummelstown, Pa.
Filed December 18, 1935. Serial No. 372,790. PUBLISHED FEBRUARY 11, 1936. Class 39.

334,491. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, OBESITY CREAMS, REFRESHING CREAMS, ETC. THE WILLIAM H. LOVELAND COMPANY, Binghamton and New York, N. Y.
Filed December 18, 1935. Serial No. 372,778. PUBLISHED FEBRUARY 18, 1936. Class 6.

334,492. WEDDING RINGS, DIAMONDS, AND JEWELRY, NOT INCLUDING WATCHES. CHARLES LESSER, doing business as Charles Lesser & Co., New York, N. Y.
Filed December 18, 1935. Serial No. 372,776. PUBLISHED FEBRUARY 18, 1936. Class 28.

334,493. GREASE COMPOUNDS FOR CABLES, ROPES, AND FOR MACHINERY. THE HODSON CORPORATION, Chicago, Ill.
Filed December 18, 1935. Serial No. 372,772. PUBLISHED FEBRUARY 18, 1936. Class 15.

334,494. MEN'S OVERCOATS, TOPCOATS, AND SUITS. HICKEY-FREEMAN CO., Rochester, N. Y.
Filed December 18, 1935. Serial No. 372,771. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,495. LADIES' TUB DRESSES, HOUSE DRESSES, AND MISSES' AND WAITRESSES' UNIFORMS. HENRY A. DIX & SONS CORPORATION, doing business as Women's Uniforms, Inc., New York, N. Y.
Filed October 18, 1935. Serial No. 370,502. PUBLISHED FEBRUARY 11, 1936. Class 39.

334,496. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SYRUPS FOR COMPOUNDING THE SAME. SEMINOLE FLAVOR COMPANY, Chattanooga, Tenn.
Filed October 14, 1935. Serial No. 370,366. PUBLISHED FEBRUARY 25, 1936. Class 45.

334,497. FINGER RING GUARDS. SAMUEL FRIEDMAN, doing business as Improved Products Manufacturing Company, New York, N. Y.
Filed October 14, 1935. Serial No. 370,344. PUBLISHED FEBRUARY 18, 1936. Class 28.

334,498. CHEWING GUM. GUM, INC., Philadelphia, Pa.
Filed October 12, 1935. Serial No. 370,306. PUBLISHED FEBRUARY 25, 1936. Class 46.

334,499. UTERINE MEDICINAL APPLICATORS AND DIAPHRAGMS. CERTANE CO., INC., Los Angeles, Calif.
Filed October 11, 1935. Serial No. 370,248. PUBLISHED FEBRUARY 25, 1936. Class 44.

334,500. UTERINE MEDICINAL APPLICATORS AND DIAPHRAGMS. CERTANE CO., INC., Los Angeles, Calif.
Filed October 11, 1935. Serial No. 370,247. PUBLISHED FEBRUARY 25, 1936. Class 44.

334,501. FRESH VEGETABLES. J. C. HUTCHISON, doing business as J. C. Hutchison & Company, Sanford, Fla., and Newark, N. Y.
Filed December 24, 1935. Serial No. 373,033. PUBLISHED FEBRUARY 25, 1936. Class 46.

334,502. FRESH VEGETABLES. J. C. HUTCHISON, doing business as J. C. Hutchison & Company, Sanford, Fla., and Newark, N. Y.
Filed December 24, 1935. Serial No. 373,032. PUBLISHED FEBRUARY 25, 1936. Class 46.

334,503. CARBON PAPER AND TYPEWRITER RIBBONS. GENERAL OFFICE SUPPLY COMPANY, Newark, N. J.
Filed October 9, 1935. Serial No. 370,238. PUBLISHED FEBRUARY 11, 1936. Class 11.

334,504. PERIODICAL. THE IRVING-CLOUD PUBLISHING Co., Chicago, Ill.
Filed October 10, 1935. Serial No. 370,219. PUBLISHED DECEMBER 3, 1935. Class 38.

334,505. GASOLINE, LUBRICATING OILS AND GREASES. PATE OIL COMPANY, Milwaukee, Wis.
Filed October 9, 1935. Serial No. 370,198. PUBLISHED FEBRUARY 18, 1936. Class 15.

334,506. COFFEE. DAVID G. PLATTER COFFEE COMPANY, INC., Denison, Tex.
Filed October 30, 1935. Serial No. 371,000. PUBLISHED FEBRUARY 25, 1936. Class 46.

334,507. CANNED FRUITS AND VEGETABLES, TOMATO PASTE, CANNED FISH—NAMELY, CANNED SALMON AND CANNED TUNA—RIPE OLIVES IN BOTTLES, AND OLIVE OIL. P. PASTENE & CO. INC., doing business as Pastene Products Co., New York, N. Y.
Filed October 5, 1935. Serial No. 370,063. PUBLISHED FEBRUARY 25, 1936. Class 46.

334,508. SHOE POLISH. LOUANGEL CORPORATION, New York, N. Y.
Filed December 31, 1935. Serial No. 373,221. PUBLISHED FEBRUARY 18, 1936. Class 4.

334,509. CHEESE. THE CAPITAL CITY PRODUCTS COMPANY, Columbus, Ohio.
Filed December 31, 1935. Serial No. 373,198. PUBLISHED FEBRUARY 25, 1936. Class 46.

334,510. ANTISEPTIC HAIR GROWING PREPARATION IN OINTMENT FORM. DR. GEORGE FRED WOLFF & ASSO., INC., Chicago, Ill.
Filed December 30, 1935. Serial No. 373,192. PUBLISHED FEBRUARY 18, 1936. Class 6.

334,511. LADIES' BLOUSES AND DRESSES. SUSQUEHANNA WAIST COMPANY, Philadelphia, Pa.
Filed December 30, 1935. Serial No. 373,191. PUBLISHED FEBRUARY 25, 1936. Class 39.

334,512. SHAVING CREAM. PINAUD INCORPORATED, New York, N. Y.
Filed December 30, 1935. Serial No. 373,187. PUBLISHED FEBRUARY 18, 1936. Class 4.

334,513. PISTON RINGS, INCLUDING COMPRESSION RINGS, OIL RINGS, AND SETS OF PISTON RINGS. THE PERFECT CIRCLE COMPANY, Hagerstown, Ind.
Filed December 30, 1935. Serial No. 373,186. PUBLISHED FEBRUARY 25, 1936. Class 35.

334,514. COTTON SHEETING IN THE PIECE, SHEETS AND PILLOW CASES. PEPPERELL MANUFACTURING COMPANY, Boston, Mass.
Filed December 28, 1935. Serial No. 373,148. PUBLISHED FEBRUARY 11, 1936. Class 42.

334,515. SILVER-PLATED FLATWARE FOR TABLE USE, AND THE LIKE. INTERNATIONAL SILVER COMPANY, Meriden, Conn.
Filed December 28, 1935. Serial No. 373,138. PUBLISHED FEBRUARY 18, 1936. Class 28.

334,516. CLEANSING CREAM, FACE POWDER, LIPSTICK, PERFUME, ROUGE, AND TOILET WATER. RICHARD HUDNUT, New York, N. Y.
Filed December 28, 1935. Serial No. 373,137. PUBLISHED FEBRUARY 18, 1936. Class 6.

334,517. SPECIAL MIXTURE FOR REPELLING RATS, MICE, AND OTHER RODENTS. GUSTAVUS J. ESSELEN, INC., Boston, Mass.
Filed December 28, 1935. Serial No. 373,133. PUBLISHED FEBRUARY 18, 1936. Class 6.

334,518. MEN'S COATS, VESTS, TROUSERS, AND OVERCOATS. POPULAR DRY GOODS COMPANY, INC., El Paso, Tex.
Filed December 16, 1935. Serial No. 373,092. PUBLISHED FEBRUARY 25, 1936. Class 39.

334,519. POTATOES. FARM BUREAU COOPERATIVE ASSOCIATION, Columbus, Ohio.
Filed December 26, 1935. Serial No. 373,077. PUBLISHED FEBRUARY 25, 1936. Class 46.

334,520. SUEDE CALF LEATHER. HERMANN LOEWENSTEIN, New York, N. Y.
Filed December 24, 1935. Serial No. 373,048. PUBLISHED FEBRUARY 18, 1936. Class 1.

334,521. WRITING AND PRINTING PAPER. AMERICAN WRITING PAPER COMPANY, INC., Holyoke, Mass.
Filed December 6, 1935. Serial No. 372,266. PUBLISHED FEBRUARY 18, 1936. Class 37.

334,522. DENTIFRICE. I. RALPH WEINSTOCK, doing business as Thyrole Chemical Company, Philadelphia, Pa.
Filed December 4, 1935. Serial No. 372,260. PUBLISHED FEBRUARY 25, 1936. Class 6.

334,523. LINGERIE; NEGLIGEES; UNDERWEAR FOR MEN, WOMEN, AND CHILDREN—NAMELY, UNIONSUITS, SLIPS, PANTIES, VESTS, AND BRASSIÈRES; NIGHTGOWNS AND PAJAMAS. AMERICAN ENKA CORPORATION, Enka, N. C.
Filed November 26, 1935. Serial No. 371,998. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,524. VARNISH AND VARNISH EXTENDER. MYRTLE DARROW, doing business as The Darrow Company, Tulsa, Okla.
Filed January 6, 1936. Serial No. 373,367. PUBLISHED FEBRUARY 25, 1936. Class 16.

334,525. NON-NARCOTIC SEDATIVE TABLET. BODDINGTON LABORATORIES, INC., doing business as International Biochemists, Huntington Park, Calif.
Filed January 6, 1936. Serial No. 373,355. PUBLISHED FEBRUARY 25, 1936. Class 6.

334,526. BATHING SUITS, SWEATERS, AND POLO SHIRTS. BERNARD STOUMEN, doing business as Fairplay Knitting Mills, Philadelphia, Pa.
Filed January 3, 1936. Serial No. 373,321. PUBLISHED FEBRUARY 25, 1936. Class 39.

334,527. FRESH CITRUS FRUIT. LAKELAND GROVES COMPANY, Lakeland, Fla.
Filed January 3, 1936. Serial No. 373,304. PUBLISHED FEBRUARY 25, 1936. Class 46.

334,528. NON-INFLAMMABLE AND NON-OLEAGINOUS READY MIXED PAINT IN PASTE FORM, CAPABLE OF BEING MIXED WITH WATER AND APPLIED TO ANY SURFACE. CONTINENTAL ASBESTOS & REFINING COMPANY, INC., New York, N. Y.
Filed January 2, 1936. Serial No. 373,284. PUBLISHED FEBRUARY 25, 1936. Class 16.

334,529. ALE. FLOCK BREWING CO., Williamsport, Pa.
Filed January 2, 1936. Serial No. 373,253. PUBLISHED FEBRUARY 25, 1936. Class 48.

334,530. VODKA. STE. PIERRE SMIRNOFF FLS. INCORPORATED, New York, N. Y.
Filed December 31, 1935. Serial No. 373,238. PUBLISHED FEBRUARY 25, 1936. Class 49.

334,531. VODKA. STE. PIERRE SMIRNOFF FLS. INCORPORATED, New York, N. Y.
Filed December 31, 1935. Serial No. 373,236. PUBLISHED FEBRUARY 25, 1936. Class 49.

334,532. VODKA. STE. PIERRE SMIRNOFF FLS. INCORPORATED, New York, N. Y.
Filed December 31, 1935. Serial No. 373,235. PUBLISHED FEBRUARY 25, 1936. Class 49.

334,533. DISTILLED ALCOHOLIC ORANGE LIQUERS. VICTOR M. RAMIREZ, doing business as V. M. Ramirez y Cia, Mayagues, P. R., and New York, N. Y.
Filed December 31, 1935. Serial No. 373,226. PUBLISHED FEBRUARY 25, 1936. Class 49.

334,534. PREPARATION FOR THE CARE OF TEETH AND GUMS. LOUANGEL CORPORATION, New York, N. Y.
Filed December 31, 1935. Serial No. 373,223. PUBLISHED FEBRUARY 25, 1936. Class 6.

334,535. MEN'S AND WOMEN'S COATS, SUITS, AND DRESSES. WM. P. GOLDMAN & BROS. INC., New York, N. Y.
Filed December 12, 1935. Serial No. 372,562. PUBLISHED FEBRUARY 25, 1936. Class 39.

334,536. MEN'S DRESS, NEGLIGEE, AND WORK SHIRTS. J. FREEZER & SON, INC., New York, N. Y.
Filed December 12, 1935. Serial No. 372,560. PUBLISHED FEBRUARY 11, 1936. Class 39.

334,537. ICE CREAM POWDER AND MILK FOOD POWDER MADE OF NON-FAT SOLIDS OF MILK AND VEGETABLE FATS, FOR USE LIKE FRESH MILK AFTER THE ADDITION OF WATER. ST. FRANCIS PRODUCTS CO., San Francisco, Calif.
Filed November 20, 1935. Serial No. 371,785. PUBLISHED FEBRUARY 25, 1936. Class 46.

334,538. MEN'S OVERCOATS AND TOP COATS. C. B. SHANE CORPORATION, Chicago, Ill.
Filed November 22, 1935. Serial No. 371,891. PUBLISHED FEBRUARY 11, 1936. Class 39.

334,539. GARMENTS—NAMELY, TROUSERS, KNICKERBOCKERS, OUTER SHIRTS, BLOUSES, COATS, AND SHORTS FOR MEN, WOMEN, GIRLS, AND BOYS. CONE EXPORT AND COMMISSION COMPANY, New York, N. Y.
Filed November 23, 1935. Serial No. 371,912. PUBLISHED FEBRUARY 11, 1936. Class 39.

334,540. WASH TIES. A. SCHRETER & SONS CO., INC., Baltimore, Md.
Filed November 25, 1935. Serial No. 371,977. PUBLISHED FEBRUARY 11, 1936. Class 39.

334,541. COMIC DRAWINGS PUBLISHED IN A SERIES IN DAILY AND SUNDAY NEWSPAPERS. UNITED FEATURE SYNDICATE, INC., New York, N. Y.
Filed November 25, 1935. Serial No. 371,987. PUBLISHED FEBRUARY 18, 1936. Class 38.

334,542. COMIC DRAWINGS PUBLISHED IN A SERIES IN DAILY AND SUNDAY NEWSPAPERS. UNITED FEATURE SYNDICATE, INC., New York, N. Y.
Filed November 25, 1935. Serial No. 371,988. PUBLISHED FEBRUARY 18, 1936. Class 38.

334,543. COMIC DRAWINGS PUBLISHED IN A SERIES IN DAILY AND SUNDAY NEWSPAPERS. UNITED FEATURE SYNDICATE, INC., New York, N. Y.
Filed November 25, 1935. Serial No. 371,989. PUBLISHED FEBRUARY 18, 1936. Class 38.

334,544. APPLE PRODUCTS, AND MORE SPECIFICALLY APPLE JELLY. THE NEW ENGLAND VINEGAR WORKS, INC., Somerville, Mass.
Filed December 12, 1935. Serial No. 372,566. PUBLISHED FEBRUARY 18, 1936. Class 46.

334,545. DUSTING, WIPING, AND POLISHING CLOTHS. THE KENDALL COMPANY, Walpole, Mass.
Filed December 14, 1935. Serial No. 372,626. PUBLISHED FEBRUARY 11, 1936. Class 29.

334,546. COTTON DRESS FABRICS. THE KENDALL COMPANY, Walpole, Mass.
Filed December 14, 1935. Serial No. 372,627. PUBLISHED FEBRUARY 11, 1936. Class 42.

334,547. OIL FOR BLENDING WITH CRANKCASE LUBRICANTS. HALSTEAD PRODUCTS CO., Oakland, Calif.
Filed December 16, 1935. Serial No. 372,668. PUBLISHED FEBRUARY 18, 1936. Class 15.

334,548. OIL FOR CONDITIONING OF INTERNAL COMBUSTION ENGINES. HALSTEAD PRODUCTS CO., Oakland, Calif.
Filed December 16, 1935. Serial No. 372,669. PUBLISHED FEBRUARY 18, 1936. Class 15.

334,549. POLO SHIRTS. LEBANON KNITTING MILLS, Lebanon, Pa.
Filed December 16, 1935. Serial No. 372,675. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,550. FURS AND FUR SKINS, DRESSED AND DYED. VAN-DYE-WAY CORPORATION, Paterson, N. J.
Filed December 16, 1935. Serial No. 372,696. PUBLISHED FEBRUARY 11, 1936. Class 1.

334,551. FRESH LIMES. THE WELLS FARGO COMPANY OF ARIZONA, Nogales, Ariz.
Filed December 16, 1935. Serial No. 372,699. PUBLISHED FEBRUARY 25, 1936. Class 46.

334,552. MOTOR LUBRICATING OILS AND EXTREME PRESSURE LUBRICANTS. CRUSADER OIL CORPORATION, New York, N. Y.
Filed December 14, 1935. Serial No. 372,707. PUBLISHED FEBRUARY 18, 1936. Class 15.

334,553. LEATHER. WOOD & HYDE COMPANY, Gloversville, N. Y.
Filed December 17, 1935. Serial No. 372,714. PUBLISHED FEBRUARY 11, 1936. Class 1.

334,554. MONTHLY PUBLICATION. HUGO GERNSBACK, New York, N. Y.
Filed December 17, 1935. Serial No. 372,721. PUBLISHED FEBRUARY 18, 1936. Class 38.

334,555. ELECTRIC HEATING PAD. THE LOBL MANUFACTURING CO., Middleboro, Mass.
Filed December 17, 1935. Serial No. 372,727. PUBLISHED FEBRUARY 25, 1936. Class 44.

334,556. MINERAL WOOL. THE AMERICAN GYPSUM COMPANY, Port Clinton, Ohio.
Filed December 18, 1935. Serial No. 372,756. PUBLISHED FEBRUARY 18, 1936. Class 1.

334,557. EGGS. JOSE PELUFFO & COMPANIA LIMITADA SOCIEDAD ANONIMA COMERCIAL E INDUSTRIAL, Buenos Aires, Argentina.
Filed October 28, 1935. Serial No. 370,890. PUBLISHED FEBRUARY 18, 1936. Class 46.

334,558. SUITS, TROUSERS, AND SLACKS FOR MEN, YOUTHS, AND BOYS. CHICAGO RUBBER CLOTHING COMPANY, Racine, Wis.
Filed October 30, 1935. Serial No. 370,987. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,559. DEODORANT AND PREPARATION FOR PREVENTING EXCESSIVE PERSPIRATION. THE ODORONO COMPANY, INC., New York, N. Y.
Filed October 30, 1935. Serial No. 370,996. PUBLISHED FEBRUARY 18, 1936. Class 6.

334,560. SEEDS—NAMELY, SEED CORN. PAUL N. SMITH, doing business as The Paul N. Smith Seed Co., Center Junction, Iowa.
Filed October 30, 1935. Serial No. 371,004. PUBLISHED FEBRUARY 18, 1936. Class 1.

334,561. GRAIN OF ALL TYPES—NAMELY, OATS, WHEAT, CORN, RYE, AND BARLEY. MCGREGOR MILLING & GRAIN COMPANY, McGregor, Tex.
Filed November 1, 1935. Serial No. 371,066. PUBLISHED FEBRUARY 18, 1936. Class 1.

334,562. VENDING MACHINES. TRIMOUNT COIN MACHINE COMPANY, Boston, Mass.
Filed December 16, 1935. Serial No. 372,694. PUBLISHED MARCH 3, 1936. Class 23.

334,563. SMOKING AND CHEWING TOBACCO. B. PAYN'S SON'S TOBACCO CO., Albany, N. Y.
Filed December 10, 1935. Serial No. 372,484. PUBLISHED FEBRUARY 11, 1936. Class 17.

334,564. REFRACTORY CEMENT. QUIGLEY COMPANY, INC., New York, N. Y.
Filed December 9, 1935. Serial No. 372,431. PUBLISHED FEBRUARY 11, 1936. Class 12.

334,565. REFRACTORY CEMENT. QUIGLEY COMPANY, INC., New York, N. Y.
Filed December 9, 1935. Serial No. 372,430. PUBLISHED FEBRUARY 11, 1936. Class 12.

334,566. CARTOONS. NATIONAL FEDERATION OF POST OFFICE CLERKS, Washington, D. C.
Filed December 9, 1935. Serial No. 372,425. PUBLISHED FEBRUARY 18, 1936. Class 38.

334,567. ABSORBENT FACE CLEANSING SHEETS MADE OF PAPER. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill.
Filed December 9, 1935. Serial No. 372,418. PUBLISHED FEBRUARY 11, 1936. Class 37.

334,568. WOMEN'S AND MISSES' PANTIES. BONWIT TELLER, INC., New York, N. Y.
Filed December 9, 1935. Serial No. 372,389. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,569. ELECTRIC WATER HEATERS. AUTOMATIC ELECTRIC HEATER CO., Pottstown, Pa.
Filed December 9, 1935. Serial No. 372,387. PUBLISHED FEBRUARY 25, 1936. Class 21.

334,570. COOKING UTENSILS COMPOSED OF ALUMINUM ALLOY, TO WIT: FRY PANS, FRY PAN COVERS, SAUCE PANS, BEVERAGE URNS, COFFEE POTS, WATER KETTLES, PRESERVING KETTLES, ETC. ADVANCE ALUMINUM CASTINGS CORP., Chicago, Ill.
Filed December 9, 1935. Serial No. 372,386. PUBLISHED FEBRUARY 25, 1936. Class 13.

334,571. COMBINATION MACHINE TOOLS AND PARTS THEREOF FOR TURNING, GRINDING, POLISHING, SAWING, DRILLING AND SANDING, FOR WOOD AND METAL WORKING. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed December 7, 1935. Serial No. 372,362. PUBLISHED FEBRUARY 25, 1936. Class 23.

334,572. COMBINATION MACHINE TOOLS AND PARTS THEREOF FOR TURNING, GRINDING, POLISHING, SAWING, DRILLING, AND SANDING FOR WOOD AND METAL WORKING. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed December 7, 1935. Serial No. 372,361. PUBLISHED FEBRUARY 25, 1936. Class 23.

334,573. ASH TRAYS AND CIGARETTE CASES. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed December 7, 1935. Serial No. 372,359. PUBLISHED FEBRUARY 11, 1936. Class 8.

334,574. SLOTTED BOX AND PAIL PARTITIONS; CANDY LAYER CARDS, BOARDS, AND DIVIDERS; DIE CUT PAIL, BOX, AND BOARD PARTITIONS, LINERS, CIRCLES, BOATS, AND FILLERS; ETC. W. J. BRADFORD PAPER COMPANY, Chicago, Ill.
Filed December 6, 1935. Serial No. 372,309. PUBLISHED FEBRUARY 18, 1936. Class 37.

334,575. LADIES' AND MISSES' DRESSES AND FROCKS, PARTICULARLY DANCE FROCKS. REBECCA SCHWARTZ, doing business as Spot-Lite Dance Frocks, New York, N. Y.
Filed October 1, 1935. Serial No. 369,898. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,576. GOODS IN THE PIECE MADE OF COTTON, RAYON, SILK, WOOL, AND/OR COMBINATIONS OF THE SAME. DUMARI TEXTILE CO., INC., New York, N. Y.
Filed September 28, 1935. Serial No. 369,806. PUBLISHED FEBRUARY 11, 1936. Class 42.

334,577. GOODS IN THE PIECE MADE OF COTTON, RAYON, SILK, WOOL, AND/OR COMBINATIONS OF THE SAME. DUMARI TEXTILE CO., INC., New York, N. Y.
Filed September 28, 1935. Serial No. 369,805. PUBLISHED FEBRUARY 11, 1936. Class 42.

334,578. COMPLETE FERTILIZERS AND FERTILIZER MATERIALS. LOGAN-ROBINSON FERTILIZER COMPANY, Charleston, S. C.
Filed September 24, 1935. Serial No. 369,798. PUBLISHED FEBRUARY 11, 1936. Class 10.

334,579. DRESSES FOR WOMEN, THE SAME BEING MADE OF CLOTH, OF SILK, OF RAYON, OF COTTON, AND OF KINDRED MATERIALS. MILTON S. ALTMARK, New York, N. Y.
Filed September 27, 1935. Serial No. 369,757. PUBLISHED FEBRUARY 11, 1936. Class 39.

334,580. SUITS AND PANTS FOR BOYS AND SUITS AND SPORT DRESSES, SHIRTS, SHORTS, BLOUSES, SWEATERS, SLACKS, AND PLAY-SUITS FOR GIRLS. THE STROUSE-BAER COMPANY, Baltimore, Md.
Filed October 22, 1935. Serial No. 370,681. PUBLISHED FEBRUARY 11, 1936. Class 39.

334,581. FLOOR AND DUST MOPS. SIMMONS HARDWARE COMPANY, St. Louis, Mo.
Filed October 24, 1935. Serial No. 370,780. PUBLISHED FEBRUARY 18, 1936. Class 29.

334,582. GRAIN OF ALL TYPES—NAMELY, OATS, WHEAT, CORN, RYE, AND BARLEY. MCGREGOR MILLING & GRAIN COMPANY, McGregor, Tex.
Filed November 1, 1935. Serial No. 371,067. PUBLISHED FEBRUARY 18, 1936. Class 1.

334,583. GRAIN OF ALL TYPES—NAMELY, OATS, WHEAT, CORN, RYE, AND BARLEY. MCGREGOR MILLING & GRAIN COMPANY, McGregor, Tex.
Filed November 1, 1935. Serial No. 371,068. PUBLISHED FEBRUARY 18, 1936. Class 1.

334,584. FUEL IN SOLID FORM, SOMEWHAT RESEMBLING COKE MADE FROM COAL, BUT ACTUALLY PREPARED FROM A PETROLEUM BY-PRODUCT. GREAT LAKES COAL & COKE CO., Chicago, Ill.
Filed November 2, 1935. Serial No. 371,096. PUBLISHED JANUARY 21, 1936. Class 1.

334,585. MEN'S AND YOUNG MEN'S SUITS, OVERCOATS, AND CLOTHING, MORE PARTICULARLY MEN'S COATS, PANTS, VESTS, KNICKERS, GOLF SUITS, TOP-COATS, AND CAPS. A. SAGNER & SONS, INC., Baltimore, Md.
Filed October 31, 1935. Serial No. 371,126. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,586. GLUE. THE ARABOL MANUFACTURING COMPANY, New York, N. Y.
Filed November 4, 1935. Serial No. 371,129. PUBLISHED FEBRUARY 11, 1936. Class 5.

334,587. WOMEN'S PAJAMAS, DRESSES, SLIPS, PANTIES, DANCE SETS WHICH COMPRISE A GARMENT OF TWO SEPARATE PIECES—A BRASSIÈRE AND PANTIES—VESTS, BRASSIÈRES, BANDEAUX, NIGHTGOWNS, CHEMISES, TEDDIES, STEP-INS, BLOOMERS, AND COMBINATIONS—A ONE PIECE GARMENT WHICH INCLUDES A BRASSIÈRE, VEST, AND PANTIES—BATH ROBES AND ROBES FOR OUTER WEAR, AND SHOES MADE OF LEATHER OR RUBBER OR COMBINATIONS THEREOF, HOSE, DRESSES, COATS, SWEATERS, SCARFS, COLLARS AND CUFFS, HATS, AND FABRIC AND LEATHER GLOVES. MORVAY AND SONS, INC., Bridgeton, N. J.
Filed November 4, 1935. Serial No. 371,170. PUBLISHED FEBRUARY 11, 1936. Class 39.

334,588. TOILET PAPER AND PAPER TOWELS. THE PEERLESS PAPER MILLS, Oaks, Pa.
Filed November 8, 1935. Serial No. 371,362. PUBLISHED FEBRUARY 11, 1936. Class 37.

334,589. DRAIN PIPE OPENERS. DRAIN-KING CORPORATION, Chicago, Ill.
Filed November 11, 1935. Serial No. 371,417. PUBLISHED FEBRUARY 25, 1936. Class 6.

334,590. PRINTING AND LITHOGRAPHING INKS. A. C. RANSOM CORPORATION, New York, N. Y.
Filed November 12, 1935. Serial No. 371,474. PUBLISHED FEBRUARY 11, 1936. Class 11.

334,591. LUBRICATING OILS AND GREASES. JOHN R. STARCK, doing business as Eelo Laboratories, New York, N. Y.
Filed November 13, 1935. Serial No. 371,507. PUBLISHED FEBRUARY 18, 1936. Class 15.

334,592. DOUBLE DUTY CREAM—NAMELY, A GENERAL UTILITY CREAM FOR CLEANSING AND LUBRICATING THE SKIN, CLEANSING CREAM, TISSUE CREAM, ETC. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed November 14, 1935. Serial No. 371,557. PUBLISHED FEBRUARY 18, 1936. Class 6.

334,593. CORDUROYS AND VELVETEENS IN THE PIECE. CROMPTON COMPANY, West Warwick, R. I.
Filed November 15, 1935. Serial No. 371,588. PUBLISHED FEBRUARY 11, 1936. Class 42.

334,594. PAPER AND STATIONERY, PARTICULARLY, ALBUMS, STUDIO REGISTERS, BOOK BINDERS, SNAP SHOT LIBRARY SETS, SPOTTING PENCILS, AND NEGATIVE PENCILS. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed November 16, 1935. Serial No. 371,627. PUBLISHED FEBRUARY 11, 1936. Class 37.

334,595. CLOTHING—NAMELY, WOMEN'S AND CHILDREN'S FUR COATS, JACKETS, CAPES, AND SCARFS. ALEX F. KESSLER FUR CO., St. Louis, Mo.
Filed November 16, 1935. Serial No. 371,643. PUBLISHED JANUARY 28, 1936. Class 39.

334,596. ZINC COATED IRON AND STEEL SHEETING. THE NEWPORT ROLLING MILL COMPANY, INC., Newport, Ky.
Filed November 16, 1935. Serial No. 371,649. PUBLISHED FEBRUARY 11, 1936. Class 14.

334,597. CEREAL PRODUCTS MADE FROM OATS, BARLEY, OR CORN, USEFUL IN PREVENTING RANCIDITY AND DETERIORATION BY APPLYING SAME TO PERISHABLE GOODS AND/OR THE CONTAINERS THEREFOR. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed November 16, 1935. Serial No. 371,650. PUBLISHED FEBRUARY 11, 1936. Class 50.

334,598. LUMBER, SASH, DOORS, AND MILLWORK. ISRAEL COPPERSTEIN, doing business as General Glass & Lumber Company, Cleveland, Ohio.
Filed November 18, 1935. Serial No. 371,679. PUBLISHED FEBRUARY 18, 1936. Class 12.

334,599. TOBACCO—NAMELY, SMOKING TOBACCO, INCLUDING GRANULATED, SLICED, PLUG, AND FLAKE PLUG, AND CIGARETTES. LARUS & BROTHER COMPANY, Richmond, Va.
Filed November 18, 1935. Serial No. 371,697. PUBLISHED FEBRUARY 18, 1936. Class 17.

334,600. PURSES. NAT LEWIS PURSES, INC., New York, N. Y.
Filed November 18, 1935. Serial No. 371,699. PUBLISHED FEBRUARY 11, 1936. Class 3.

334,601. TIMBERS, POSTS, DOOR, WINDOW, AND THE LIKE FRAMES, KEY STRIPS, RAFTERS, AND OTHER PARTS, FORMED PRINCIPALLY OF WOOD, TO BE USED IN RUSTIC BUILDING STRUCTURES. IRVY MYERS COAL AND LUMBER CO., Hawthorne, N. J.
Filed November 19, 1935. Serial No. 371,732. PUBLISHED FEBRUARY 18, 1936. Class 12.

334,602. NEWSPAPER ARTICLES. PRESCOTT DENNETT, Washington, D. C.
Filed October 16, 1935. Serial No. 370,575. PUBLISHED FEBRUARY 18, 1936. Class 38.

334,603. GROUND AND BEAN ROASTED COFFEE. CAFETEROS DE PUERTO RICO, Ponce, P. R.
Filed October 22, 1935. Serial No. 370,650. PUBLISHED FEBRUARY 25, 1936. Class 46.

334,604. BUILDING MATERIALS—NAMELY, SLABS FOR PARTITIONS, EXTERIOR WALLS, ROOFS, AND FLOORS; BLOCKS FOR WALLS, PARTITIONS, AND BACKING; SLABS, BLOCKS, AND GRANULAR MATERIAL SPECIFICALLY ADAPTED FOR USE FOR SOUND AND HEAT INSULATION AND FIREPROOFING. THE MICROPORITE COMPANY, Wilmington, Del., and Lewistown, Pa.
Filed October 22, 1935. Serial No. 370,666. PUBLISHED FEBRUARY 18, 1936. Class 12.

334,605. SUITS AND PANTS FOR BOYS AND, SUITS AND SPORT DRESSES, SHIRTS, SHORTS, BLOUSES, SWEATERS, SLACKS, AND PLAYSUITS FOR GIRLS. THE STROUSE-BAER COMPANY, Baltimore, Md.
Filed October 22, 1935. Serial No. 370,680. PUBLISHED FEBRUARY 11, 1936. Class 39.

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

334,606. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) R. C. WILLIAMS & COMPANY, INC., New York, N. Y. Filed Mar. 16, 1935. Serial No. 362,644.

BRITANNIA

For Whiskey and Gin.
Claims use since Mar. 4, 1935.

334,607. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) HERMAN KOCH, doing business as H. Koch & Sons, San Francisco, Calif. Filed Feb. 8, 1935. Serial No. 361,171.

Hollywood

For Hand Trunks, Suitcases, Portfolios, Pocket Books, Purses, Hand Bags, and All Types of Luggage—Namely, Traveling Bags, Portable Wardrobe Cases, and Fitting Carriers Therefor, and Hat Boxes.
Claims use since Sept. 6, 1928.

334,608. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TIME CHOCOLATE COMPANY, Columbus, Ohio Filed Feb. 7, 1935. Serial No. 361,154.

TIME

For Chocolate Fudges, Chocolate Syrups for Use as a Sauce or Topping, and Chocolate Powders.
Claims use since Jan. 1, 1935.

334,609. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MAX FISHER, New York, N. Y., assignor to Stoffel & Co., New York, N. Y., a firm. Filed Jan. 28, 1935. Serial No. 360,768.

CLIP-DOT

For Fabrics in the Piece, Made of Cotton, Wool, Rayon, and Mixtures Thereof.
Claims use since Jan. 18, 1934.

334,610. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) MEAGHER BROS. & CO. LIMITED, Montreal, Quebec, Canada. Filed Jan. 4, 1935. Serial No. 359,918.

BOULTON'S

For Whisky, Gin, Highland Liqueur, Whisky, London Dry Gin, Old Tom Gin, and Dry Gin.
Claims use since 1918.

334,611. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) STEPHEN J. FERON, INC., New York, N. Y. Filed Feb. 24, 1936. Serial No. 375,137.

KANTWARP

For Tennis Rackets, Squash Rackets, Badminton Rackets, Badminton Shuttle-Cocks, Tennis Racket Presses, Squash Racket Presses, Badminton Racket Presses, Tennis Racket Covers, Squash Racket Covers, and Badmiuton Racket Covers.
Claims use since Apr. 2, 1934.

334,612. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) J. LICHTMAN & SONS, doing business as Lichtman-Widen Tanning Corporation, Newark, N. J. Filed Sept. 11, 1935. Serial No. 369,195.

BERKSHIRE

For Leather.
Claims use since Mar. 5, 1935.

334,613. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GLENDALE FARMS, Wilkes-Barre, Pa. Filed June 27, 1935. Serial No. 366,714.

GLENDALE FARMS

For Fresh Milk, Buttermilk, Cream, Milk, Cottage Cheese, and Chocolate Milk.
Claims use since November, 1922.

334,614. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE UNION FOOD PRODUCTS, INC., Brooklyn, N. Y. Filed July 22, 1935. Serial No. 367,548.

Lemon Whip

For Salad Dressing, French Dressing, Russian Dressing, Sandwich Spread, and Tartar Sauce.
Claims use since January, 1935.

334,615. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed June 12, 1935. Serial No. 366,089.

DRESS-HEATHER

For Cotton, Silk, and Woolen Piece Goods.
Claims use since Feb. 19, 1935.

334,616. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BACON, STICKNEY & CO., INC., Albany, N. Y. Filed Apr. 9, 1935. Serial No. 363,547.

Sir James Ten Eyck

For Coffee.
Claims use since Mar. 13, 1935.

334,617. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE PAINE & WILLIAMS COMPANY, Cleveland, Ohio. Filed Apr. 5, 1935. Serial No. 363,437.

CONTOUR-MAT

For Automobile Floor Mats and Floor Coverings Generally of Rubber, Felt, or Combinations Thereof.
Claims use since Mar. 26, 1935.

334,618. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ISAACSON IRON WORKS, Seattle, Wash. Filed Oct. 7, 1935. Serial No. 370,104.

KARRY-ARCH

For Motor Log Hauling Vehicle.
Claims use since December, 1933.

334,619. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WINCHESTER DRIED FRUIT CO., San Jose, Calif. Filed Oct. 12, 1935. Serial No. 370,321.

WINCHESTER

For Dried Prunes, Apricots, Peaches, Raisins, Apples, Cherries, Figs, Nectarines, Pears, and Currants.
Claims use since Feb. 28, 1932.

334,620. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GECK TRADING & COMMISSION CO., INC., New York, N. Y. Filed Dec. 6, 1935. Serial No. 372,321.

ZARUMA

For Coffee.
Claims use since Nov. 14, 1934.

334,621. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) STEUBEN GLASS, INC., New York, N. Y. Filed Jan. 21, 1936. Serial No. 373,936.

STEUBEN

For Glass Polish.
Claims use since Dec. 20, 1934.

334,622. (CLASS 37. PAPER AND STATIONERY.) THE QUIKLIP COMPANY, Hartford, Conn. Filed Jan. 27, 1936. Serial No. 374,156.

QUIKLIP

For Price Marking Clips.
Claims use since July 6, 1933.

LABELS
REGISTERED MAY 5, 1936

47,447.—*Title:* GRACEFUL ARCH. For Cartons. BIRD & SON, INC., East Walpole, Mass. Published November 29, 1935.

47,448.—*Title:* LOTTO. For an Indoor Game. MILTON BRADLEY COMPANY, Springfield, Mass. Published March 9, 1936.

47,449.—*Title:* FIBBER McGEE—A HILARIOUS PARTY GAME. For an Indoor Game. MILTON BRADLEY COMPANY, Springfield, Mass. Published March 9, 1936.

47,450.—*Title:* TIDDLEDY WINKS. For an Indoor Game. MILTON BRADLEY COMPANY, Springfield, Mass. Published March 9, 1936.

47,451.—*Title:* SENIOR COMBINATION BOARD—PLAYS FOURTEEN GAMES. For an Indoor Game. MILTON BRADLEY COMPANY, Springfield, Mass. Published March 9, 1936.

47,452.—*Title:* C. C. M. MATCHED SET. For Skates, Shoes, and Boots. CANADA CYCLE & MOTOR COMPANY, LIMITED, Weston, Ontario, Canada. Published February 15, 1936.

47,453.—*Title:* C. C. M. MATCHED SET. For Skates, Shoes, and Boots. CANADA CYCLE & MOTOR COMPANY, LIMITED, Weston, Ontario, Canada. Published February 15, 1936.

47,454.—*Title:* W. L. DOUGLAS "AMERICA'S BEST KNOWN SHOE". For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published April 2, 1935.

47,455.—*Title:* HIALEAH SANDAL. For Sandals. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published March 5, 1936.

47,456.—*Title:* EARLES BEAUTIFUL SHOES. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published February 17, 1936.

47,457.—*Title:* THE LAST WORD SPORTSTER. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published February 17, 1936.

47,458.—*Title:* SPOTLIGHT SANDALS. For Sandals. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published February 13, 1936.

47,459.—*Title:* MORWALK SHOES. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published February 13, 1936.

47,460.—*Title:* KING SOLOMON. For Canned Pilchards. COAST FISHING CO., Wilmington, Calif. Published March 2, 1936.

47,461.—*Title:* BALTO. For Canned Dog Food. COAST FISHING CO., Wilmington, Calif. Published March 2, 1936.

47,462.—*Title:* PLUMITE. For a Solvent for Cleaning Drain Pipes and Plumbing Fixtures. DEARBORN CHEMICAL COMPANY, Chicago, Ill. Published February 13, 1936.

47,463.—*Title:* G-MEN. For Casting Sets. HOME FOUNDRY MFG. CO., Chicago, Ill. Published March 4, 1936.

47,464.—*Title:* JOHNSON'S PASTE WOOD FILLER. For a Paste Wood Filler. S. C. JOHNSON & SON, INC., Racine, Wis. Published March 27, 1936.

47,465.—*Title:* KEMP'S DUNKIES. For Molasses Pop Corn. E. F. KEMP, INC., Somerville, Mass. Published March 11, 1936.

47,466.—*Title:* STANDARD SIZE STAPLES. For Staples. MARKWELL MFG. CO. INC., New York, N. Y. Published March 23, 1936.

47,467.—*Title:* MAYO BROS. For Dentifrices. MAYO BROS. LABORATORIES, Bell, Calif. Published October 21, 1935.

47,468.—*Title:* NU-NAILS. For Artificial Finger Nails. NU-NAIL COMPANY, Chicago, Ill. Published March 31, 1936.

47,469.—*Title:* OLD YORKSHIRE. For Maryland Straight Rye Whiskey. WALTER P. POWERS, Chicago, Ill. Published July 23, 1935.

47,470.—*Title:* RAMSAY'S. For Blended Scotch Type Whisky. WALTER P. POWERS, Chicago, Ill. Published May 29, 1935.

47,471.—*Title:* SWANSHRUNK. For Bleaches, Dyes, and Finishes. THE STANDARD BLEACHERY AND PRINTING CO., Carlton Hill, N. J. Published March 16, 1936.

47,472.—*Title:* STEWARTS PRIVATE BLEND. For Coffee. STEWART & ASHBY COFFEE CO., Chicago, Ill. Published January 2, 1936.

47,473.—*Title:* BEST WEAR COMFORT FOOTWEAR. For Footwear. WORCESTER PAPER BOX MANUFACTURING CO., Worcester, Mass. Published December 2, 1935.

PRINTS
REGISTERED MAY 5, 1936

15,683.—*Title:* HOW MUCH DO YOUR REALLY KNOW ABOUT YOUR BABY? For Wheat Breakfast Food. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published March 25, 1936.

15,684.—*Title:* 1177E. For Dental Cream. THE KOLYNOS COMPANY, New Haven, Conn. Published March 30, 1936.

15,685.—*Title:* YOUNG MEN TAKE THEIR HATS OFF TO THIS SHOE. For Shoes. NUNN-BUSH SHOE COMPANY, Milwaukee, Wis. Published March 2, 1936.

15,686.—*Title:* UNUSUAL VALUE $5 TO $6. For Shoes. NUNN-BUSH SHOE COMPANY, Milwaukee, Wis. Published March 2, 1936.

19,953
PROCESS OF MANUFACTURING NITROUS OXIDE

Walter Friederich, Troisdorf, Germany

No Drawing. Original No. 1,896,945, dated February 7, 1933, Serial No. 337,530, February 4, 1929. Application for reissue August 17, 1933, Serial No. 685,636. In Germany April 27, 1928
3 Claims. (Cl. 23—158)

1. The process of manufacture nitrous oxide from ammonium nitrate which comprises heating the ammonium nitrate to its decomposition temperature in the presence of a small amount of ammonia, an aqueous solution of ammonium nitrate, containing free ammonia, being added continuously in an amount sufficient to replace the ammonium nitrate decomposed.

19,954
EXPLOSIONPROOF MINING APPARATUS

Morris P. Holmes, Claremont, N. H., assignor, by mesne assignments, to Sullivan Machinery Company, a corporation of Massachusetts

Original No. 1,720,364, dated July 9, 1929, Serial No. 26,413, May 6, 1915. Renewed June 4, 1923. Application for reissue April 10, 1933, Serial No. 665,467
19 Claims. (Cl. 172—36)

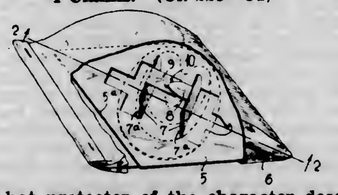


11. A flame-proof electric mining machine comprising an electric motor having a casing, control means for said motor, transmission mechanism connected to said motor, said elements being so disposed and enclosed as to produce a substantially smooth surfaced machine body having top and side surfaces in substantially the same planes as the corresponding surfaces of the motor casing, and means for rendering said control means and said motor flame-proof located substantially within the cross sectional limits of said body.

19,955
HAT BRIM PROTECTOR

James H. Marshall, Hamlet, N. C., assignor, by direct and mesne assignments, to Francis E. Campbell, Hamlet, N. C.

Original No. 2,006,245, dated June 25, 1935, Serial No. 726,806, May 21, 1934. Application for reissue October 26, 1935, Serial No. 46,964
4 Claims. (Cl. 223—84)

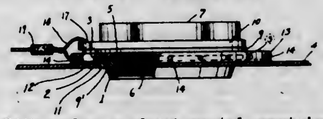


1. A hat protector of the character described comprising a single sheet of relatively stiff, flat material, a plurality of spaced flaps of a size approximating the interior dimensions of a hat crown cut except at one side from the sheet of material near its center, said sheet extending continuously around and beyond said flaps and said flaps being adapted to be bent up about such uncut side to extend substantially at right angles from one face of the sheet of material for snug fitting within the crown of the hat, with the hat brim resting upon the continuous sheet of material around said flaps, and tongues on said flaps adapted to be separably interlocked with each other to hold the said flaps in their upstanding position, the said flaps and sheet of material being adapted to maintain the brim and crown of the hat in shape.

19,956
FITTING FOR CONTAINERS

Theodore W. Rieke, Auburn, Ind., assignor to Rieke Metal Products Corporation, a corporation of Indiana

Original No. 1,748,923, dated February 25, 1930, Serial No. 184,562, April 18, 1927. Reissue No. 19,351, dated October 23, 1934, Serial No. 716,204, April 17, 1934. This application for reissue September 19, 1935, Serial No. 41,306
18 Claims. (Cl. 220—39)



1. A fitting for a sheet metal container, an annular embossment having a central opening therein and an escalloped outer perimeter, formed in the head or wall of the container; an internally threaded bung ring having an external flange, the outer perimeter of which flange is escalloped and has interlocking relation with the escalloped perimeter of said embossment; an anchor member consisting of a metallic ring having a perforated annular bead and a flange extending inwardly therefrom and having interlocking relation with said embossment, said embossment having permanent clamping relation with the inner periphery of the anchor member and the external flange of said bung ring; a bung having a perforated lug in threaded relation with the bung ring; and a seal for securing said lug and anchor member whereby said bung is prevented from being turned.

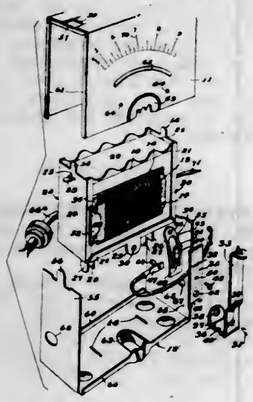
19,957
TRANSFORMER

Anthony N. Smith, Girard, Pa., assignor, by mesne assignments, to The Girard Manufacturing Company, Girard, Pa., a corporation of Pennsylvania

Original No. 2,019,196, dated October 29, 1935, Serial No. 704,178, December 27, 1933. Application for reissue November 30, 1935, Serial No. 52,426
24 Claims. (Cl. 171—119)

1. In a current regulating device having a casing comprising base and closure sections, said closure sections providing a casing wall, a coil mount therein and secured to the base sections,

and a conductor coil in said mount; means for establishing slidable contact with the conductor coil, means disposed externally of the closure-provided wall of the casing for moving said contact establishing means over said conductor coil, means carried by said coil mount and providing a pivot for said contact establishing means and its moving means, and an operating connection between said contact establishing means and the moving means therefor at one side of the pivot, said moving means straddling the lower edge of said closure provided casing wall adjacent said base whereby to admit of ready removal of the casing without interference with said moving means.



14. A variable voltage step-down transformer for operating electrical toys, especially toy railroads, from a household power line, said transformer comprising an iron core, a primary winding consisting of a number of layers of wire wound about said core, a flexible cord and plug joined thereto for connection to the power line, a secondary winding including a plurality of closely wound layers of wire connected in series or end to end, a movable contact arm, said contact arm being so related to the transformer winding that the end of the contact arm may be swept entirely across the outer layer of secondary winding to vary the output voltage in a smooth continuous manner between an intermediate and a maximum value, a pair of binding posts, one of which is connected to the inner end of the secondary winding, and the other of which is connected to said movable contact arm, and a control handle connected to the contact arm.

19,958

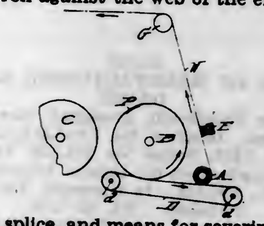
QUICK CHANGE SPLICING DEVICE

Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia

Original No. 1,909,443, dated May 16, 1933, Serial No. 196,517, June 4, 1927. Renewed March 6, 1933. Application for reissue March 29, 1935, Serial No. 13,769

9 Claims. (Cl. 242—58)

6. In a quick change splicing device, the combination with a bodily movable and rotatable fresh web roll, of a single set of propelling belts located in position to rotate said roll while the web of the expiring roll is being attached thereto and to continue to propel it until it is nearly exhausted, said belts engaging the surface of said expiring web roll at all times while connected with the web and the surface of the fresh roll without going out of contact with the expiring roll until the web is severed, means for pressing the fresh roll against the web of the expiring roll



to effect a splice, and means for severing said web after the splice has been made.

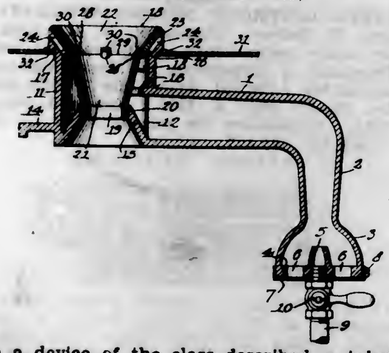
19,959

GAS BURNER

Thomas A. Coleman, Carbondale, Pa.

Original No. 1,980,321, dated November 13, 1934, Serial No. 684,584, August 10, 1933. Application for reissue April 3, 1935, Serial No. 14,547

1 Claim. (Cl. 158—116)



In a device of the class described, a tubular body provided at one end with controlled means for the admission of gas and primary air, the body being provided at its opposite end with an enlarged tubular casing arranged approximately at right angles to the body, there being an inlet where the body and the casing are joined together, the casing having a flared top and having an inverted funnel-shaped secondary air inlet member at its lower end, located within the casing and in the path of the mixture of gas and primary air entering the casing by way of the first-specified inlet; and a tubular inner member in the casing and having its lower end mounted on the upper end of the secondary air inlet member, said tubular inner member including an upwardly flared intermediate portion and an upwardly flared top, there being ribs between the top of the inner member and the flared top of the casing and forming combustion orifices, the casing being provided with an imperforate parti-circumferential internal rib located directly above the first-specified inlet and projecting toward the intermediate portion of the tubular inner member, the internal rib overhanging a portion of the funnel-shaped secondary air inlet member, the internal rib being located between the first-specified inlet and the combustion orifices that are immediately above said inlet, all portions of said internal rib being disposed approximately at right angles to the axis of the funnel-shaped air inlet member.

PATENTS

GRANTED MAY 5, 1936

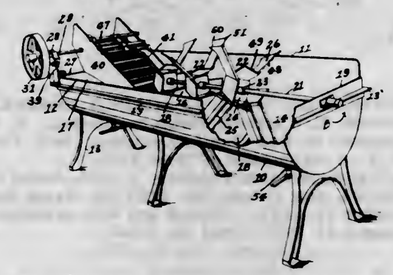
2,039,276

FRUIT AND VEGETABLE WASHER

Charles H. Ayars, Salem, N. J., assignor to Ayars Machine Company, Salem, N. J., a corporation of New Jersey

Application November 14, 1934, Serial No. 752,954

6 Claims. (Cl. 146—197)



1. A fruit and vegetable washing machine comprising a hollow body containing washing fluid, vertical partitions therein in the same horizontal plane and having a substantial part of their upper edges horizontally disposed above the fluid level and extending from one side of the body wall, the other sides of the partitions sloping downward to the other body wall and having their lower sloping edges below the fluid level, and paddles arranged to progressively pass a commodity over the sloping edges of said partitions herein.

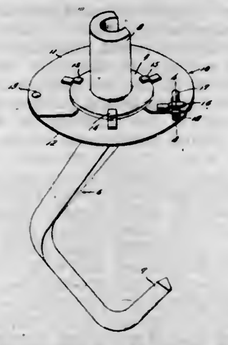
2,039,277

DOUGH MACHINE ATTACHMENT

Henry Baehr, Wisner, Nebr.

Application February 25, 1935, Serial No. 8,196

3 Claims. (Cl. 259—1)



1. An attachment of the class described comprising a sectional guard forming disk embodying duplicate pivotally connected sections, a keeper carried by the free end portion of one section, a pivoted retaining latch carried by the corresponding end portion of the remaining section and engageable with said keeper, and a plurality of circumferentially spaced equi-distant clips carried by the central portion of said disk and adapted for engagement with the supporting flange on a mixing device of the type described.

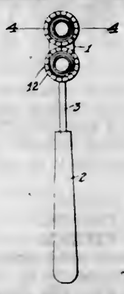
2,039,278

CLEANING AND MASSAGE DEVICE FOR DENTAL PURPOSES

Lloyd H. Blanchard, Barre, Mass.

Application November 6, 1935, Serial No. 48,550

3 Claims. (Cl. 15—188)



1. A device for dental purposes, comprising an element having a relatively rigid base and a cup providing spaced concentric annular walls of thin flexible material for the reception of a cleaning substance in the spaces between the walls, said walls having a depth much greater than their thickness so as to readily collapse upon the application of pressure to expel the cleaning substance from the inner wall spaces, with the outer wall providing a series of serrations extending beyond the rim of the inner wall.

2,039,279

TREATMENT OF ARTIFICIAL SILK FILAMENTS

Aleidus G. Bouhuys, Enka, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware

No Drawing. Application May 18, 1934, Serial No. 726,399

2 Claims. (Cl. 18—54)

1. A process for preparing artificial silk filaments and the like for crepe effect fabrics according to the wet spinning method which comprises winding freshly spun untwisted filaments onto foraminated bobbins, washing and desulphurizing the filaments while supporting them on the said bobbins, and directly treating the said filaments, without unwinding the same, with a sizing agent containing a substance of the class consisting of starch, glue and gelatine and having the property of maintaining a set within the filaments after the high twisting operation incident to the manufacture of crepe effect fabrics.

2,039,280

APPARATUS FOR TREATING FRUIT AND THE LIKE

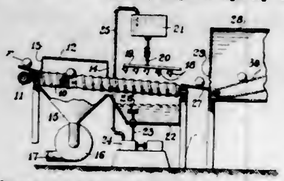
Ernest M. Brogden, Pomona, Calif., assignor to Brogdex Company, Winter Haven, Fla., a corporation of Florida

Original application September 6, 1923, Serial No. 661,318. Divided and this application March 4, 1932, Serial No. 596,851

1 Claim. (Cl. 146—202)

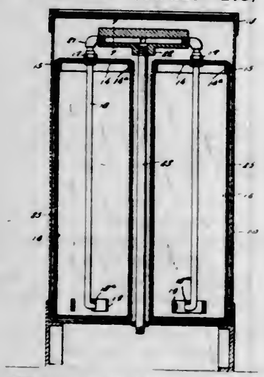
Apparatus for treating fruit comprising the combination, with fruit rubbing mechanism

adapted to provide a predetermined path of fruit travel which includes a preliminary dry rubbing zone followed by a liquid-treatment zone, of a receiving hopper arranged to receive foreign matter brushed off the fruit in said dry rubbing zone, an exhaust fan arranged to withdraw material from said hopper, liquid spray means ar-



ranged above said liquid treatment zone, a liquid-collecting receptacle arranged below said liquid-treatment zone, and a system of piping and pump means for withdrawing excess liquid from said receptacle and returning it to said spray means.

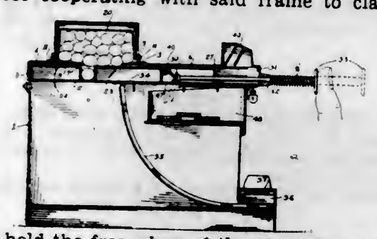
2,039,281
FILTER
Henry B. Bryan and Ashbourne D. Capehart, Oxford, N. C.
Application April 24, 1935, Serial No. 18,067
2 Claims. (Cl. 210—178)



1. In a filtering device of the character described, a filtering element comprising a head plate, a filtering bag adapted to receive said head plate in the open end of the bag, a clamping ring embracing said head plate and cooperable with the periphery of the plate for clamping the head of the bag to said plate, a conductor pipe for the fluid to be filtered extending downwardly from said head and terminating in a lateral discharge, and a substantially G-shaped baffle member secured at one end to the lateral discharge of said pipe.

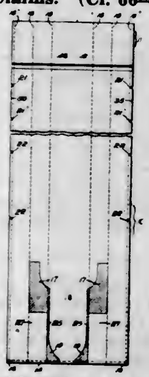
2,039,282
VENDING MACHINE
John F. Burke, Miami, Fla., assignor, by mesne assignments, to Da-Burk Holding Corporation, Miami, Fla., a corporation of Florida
Application February 10, 1933, Serial No. 656,165
1 Claim. (Cl. 312—80)

A vending machine comprising a frame having a slot forming a magazine outlet, means for receiving a single cigarette through said magazine outlet and for ejecting the same, said magazine outlet being adapted to be overlain by an opened package of the articles to be vended with the opened side downward, and a casing enclosing said package and having bottom edges thereof cooperating with said frame to clamp-



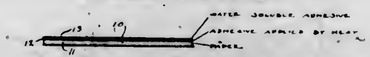
ably hold the free edges of the open side of said package.

2,039,283
METHOD OF MAKING SHAPED HOSIERY
Ellsworth E. Carlson, Saratoga Springs, N. Y., assignor to Van Raalte Company, New York, N. Y., a corporation of New York
Original application February 1, 1934, Serial No. 709,302, now Patent No. 2,014,126, dated September 10, 1935. Divided and this application August 14, 1935, Serial No. 36,094
2 Claims. (Cl. 66—178)



1. A method of knitting and completing stockings from a continuous string of plain, flat knit, non-run, laterally selvaged, stocking blanks, each of which has a non-run, laterally selvaged welt at the upper end of the leg portion thereof, and each of which has an instep portion at its lower end as an integral continuation of the said leg portion, and which continuous string is knitted of full width and laterally selvaged throughout, and is composed of plain, untransferred stitches throughout, and hence devoid of knitted narrowings, and which is subsequently trimmed along inclined lines to present, where cut, acceptable fashioning, non-ravelling edges for seaming and is trimmed at the instep and heel areas; which method comprises (*a*) introducing and continuing to deliver throughout the formation of said continuous string a separate warp thread to substantially each needle from end to end of a separate set of needles whereon the continuous string of stocking blanks is to be knitted, and also feeding course after course a weft or body thread to all the said needles, and throughout the knitting of the said string of blanks traversing said weft or body thread entirely across all the needles, so that a continuous string of blanks is knitted, each of which is of the same full width and is of non-run structure throughout; (*b*) commencing the said knitting with all of said warp threads and said weft or body thread introduced to all the needles of said set substantially at the commencement of the upper welt of the first stocking blank of said continuous string of blanks; (*c*) continuing said knitting far enough to provide for a double-walled, non-run, selvaged edge welt; (*d*) turning the said welt; (*e*) continuing the knitting of the first stocking blank of full width and of said non-run laterally-selvaged character to the toe of the said stocking with regular non-transferred loops throughout the blank, so as to permit the next stocking blank to be begun without rethreading of the needles with said warp threads, and with a welt structurally like that of said first stocking blank, and also to permit the subsequent trimming of the first blank thereby to shape the same with acceptable non-ravelling edges for seaming; (*f*) then, while continuing in knitting action, without interruption, all of the said warp threads, repeating the same operations in the knitting of each non-run stocking blank of the said string, so that the said warp threads are uninterruptedly knitted throughout into the entire string of blanks without rethreading; (*g*) severing at desired intervals after the knitting thereof each stocking blank transversely at substantially the toe portion from the knitted beginning end of said welt of the next knitted stocking blank; (*h*) trimming along inclined lines the lateral edges of each stocking blank at the calf portion so as to provide non-run, acceptable, seaming edges, and also trimming to provide the instep portion and trimming away the material outside the high splice and heel areas; (*i*) knitting a sole and toe onto each stocking blank; and (*j*) seaming each stocking blank to complete the toe, foot, heel and leg.

2,039,284
VENEERING
Robert N. Hartzell, Piqua, Ohio, assignor to Hartzell Industries, Inc., Piqua, Ohio, a corporation of Delaware
Application February 16, 1933, Serial No. 656,987
1 Claim. (Cl. 91—68)

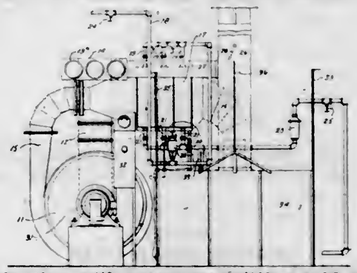


A veneering tape comprising a paper backing member having a layer of adhesive formed of a casein glue and rubber latex, and having a second layer of adhesive overlying the first and formed of a water soluble animal glue, said second layer providing an exposed surface which is sticky when moist.

2,039,285
DRYING FIBROUS MASSES
Edward J. Abbott, Wilton, N. H., assignor to Abbott Machine Company, Wilton, N. H., a corporation of New Hampshire
Application September 25, 1929, Serial No. 395,049
14 Claims. (Cl. 34—26)

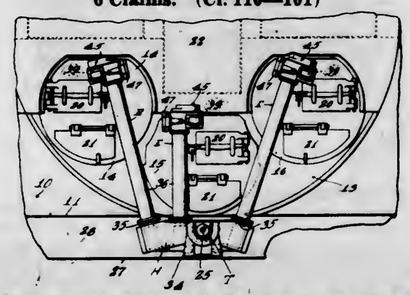
1. Art of drying wound fibrous material in cylindrical packages, comprising interposing the winding in a wet state in a flow of air under pressure confined to radial flow from within the package, and subjecting the lower part of the package to which the wetting liquid tends to flow by gravity to a greater velocity pressure of the impinging current of air than the velocity pressure applied to the upper portion from which liquid tends to flow by gravity.

7. In apparatus for drying horizontally extending spindles for supporting hollow wound masses and means for blowing air into the interior of the said masses, said spindles comprising T-beams, the flats whereof are above the shanks and constitute baffles directing the flow of air initially toward the lower portions of the wound mass, in



combination with means permitting said wound masses to be turned about the axes of said spindles.

2,039,286
MARINE STOKER
Howard P. Anderson, Erie, Pa., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application April 22, 1932, Serial No. 606,869
6 Claims. (Cl. 110—101)

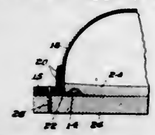


2. In combination, a boiler having a plurality of furnaces disposed in an upper elevation and a furnace disposed at a lower elevation, a fire grate in each of said furnaces, a source of fuel supply, a single transfer conveyor leading from said fuel supply and terminating at a point below the level of said fire grates, a plurality of feed conduits communicating with and extending upwardly from said transfer conveyor, each of said feed conduits delivering to a respective furnace, the feed conduits of said upper furnaces leading forwardly thereto from a point exterior of said furnaces to a point above the grates thereof and the feed conduit of the lower furnace leading upwardly thereto through the fire grate thereof and extending thereabove, containing means in each of said feed conduits for elevating fuel therethrough, and means for driving the conveying means of each conduit independently of the conveying means of the other conduits.

2,039,287
WELTING AND SHOEMAKING THEREWITH
Pearl C. Arnold, West Hanover, Mass., assignor, by mesne assignments, to Barbour Welting Company, Brockton, Mass., a co-partnership composed of Perley E. Barbour, Walter G. Barbour, and Richard H. Barbour
Application April 6, 1933, Serial No. 664,742
17 Claims. (Cl. 12—142)

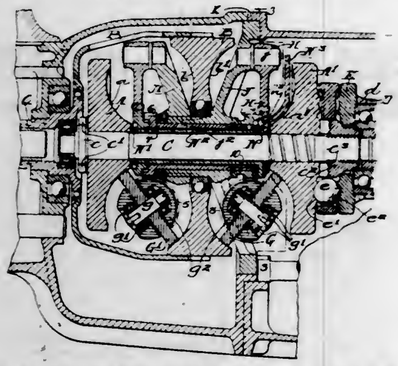
1. In a welted shoe of the type having an insole and a short upper, grain leather welting having

one edge split producing contiguous longitudinal grain faced and flesh flaps both turned upward parallelly relative to the grain extension to embrace said short shoe upper, and also having a



flange-like lasting allowance extending inward from said grain extension for securement to the insole.

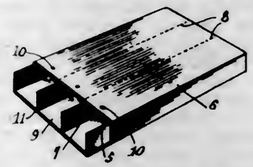
2,039,288
CHANGE SPEED GEAR
Herbert Austin, Bromsgrove, England
Application January 23, 1935, Serial No. 3,024
In Great Britain January 24, 1934
6 Claims. (Cl. 74—200)



1. A change speed gear comprising two discs, said discs having oppositely disposed annular torus grooves, a set of rollers of which all the rollers engage in both grooves, carriers in which the rollers are mounted, said carriers being mounted to rock about axes which are substantially at right angles to the axes of said discs and to lie substantially in a plane parallel to the planes of the discs, means for moving the carriers in a manner to incline the rollers to their tracks in the grooves and thereby cause the carrier to rock to effect the change of gear ratio, means for arresting the rocking movement, and means separate from the gear-changing means for connecting together the carriers of the set of rollers in such a manner that, while the roller axes are free to follow the rocking movement, each roller is prevented from following a track which is out of agreement with that which is being followed by the other rollers.

2,039,289
INFLATED MATTRESS
Rodolphe Bergeron, St.-Paulin, Quebec, Canada, assignor of one-half to Joseph McMurray, St.-Alexis des Monts, Quebec, Canada
Application May 25, 1934, Serial No. 727,421
In Canada December 8, 1933
1 Claim. (Cl. 5—348)

A mattress comprising an envelope having an open end, filler units adapted to be inserted through said open end, a filling valve in the forward end of each unit, at the open end of said envelope, and lengthwise partitions in said envelope forming compartments adapted to receive said units respectively, the last named partitions being extended outwardly beyond the open end of

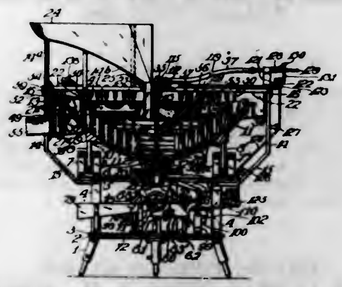


the envelope and adapted to be folded over said valves at the forward ends of said units to protect said valves.

2,039,290
PRODUCTION OF HIGHLY ACETYLATED CELLULOSE ACETATES
Ernst Berl, Pittsburgh, Pa.
No Drawing. Application May 24, 1934, Serial No. 727,279. In Great Britain June 23, 1933
5 Claims. (Cl. 260—101)

1. The production of highly acetylated cellulose acetates which comprises establishing a pile of cellulose upon a perforated base, circulating an excess of acetic acid containing a catalyst over said cellulose for first stage of treatment, washing the said treated cellulose with benzene to remove at least a portion of the circulated acid and circulating an acetylating liquid over said cellulose while maintaining said pile in a quiescent state.

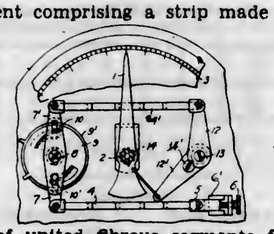
2,039,291
MINER'S SEPARATING APPARATUS
Martin C. Bright, Indianapolis, Ind., assignor to Bright, Incorporated, Indianapolis, Ind., a corporation of Indiana
Application May 31, 1932, Serial No. 614,425
17 Claims. (Cl. 209—453)



1. Separating apparatus having a rotary water-holding vessel provided with a central sub-receptacle depressed in its bottom, the sub-receptacle having a discharge-valve seat at its bottom, a valve co-operating with the seat and curved loosening fingers on the body of the valve, and means to lift the valve body and hold it against rotation.

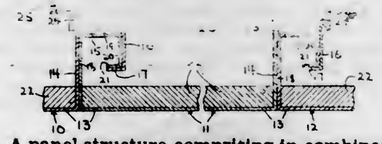
2,039,292
HYGROSCOPIC APPARATUS
Charles L. Burdick, London, England
Application November 15, 1933, Serial No. 698,159
In Germany April 1, 1933
1 Claim. (Cl. 297—1)

An element linearly responsive to changes in the humidity of a surrounding gaseous medium, said element comprising a strip made up of a



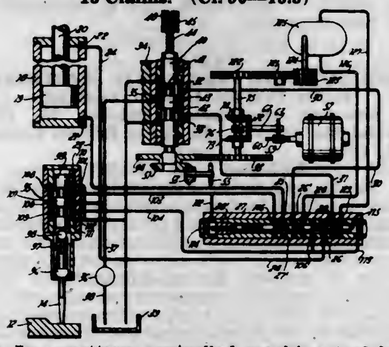
plurality of united fibrous segments from the ovular bracts of conifer trees.

2,039,293
BUILDING CONSTRUCTION
Raymond M. Calkins, Deerfield, and James W. Swank, Chicago, Ill.
Application December 22, 1934, Serial No. 758,842
8 Claims. (Cl. 189—1)



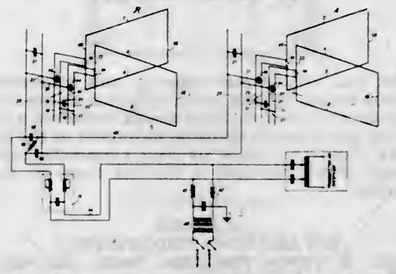
1. A panel structure comprising in combination a body portion of sheet metal, a series of flange portions along each side of said body portion in the form of a box adapted to have inter-engagement with the cooperating box of an adjacent panel for holding the panels against edgewise movement with respect to each other, and a board member fixedly connected with the body portion of each of said panels in spaced relation to the other panel serving substantially to rigidify the panel for handling and shipment and to insulate the panel against the passage of heat therethrough.

2,039,294
AUTOMATIC MANUAL CONTROL SUBORDINATOR FOR TRACER CONTROLLED MACHINES
John C. Campbell, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application July 10, 1935, Serial No. 30,744
13 Claims. (Cl. 90—13.5)



9. In a pattern controlled machine tool having a pattern slide and a tracer slide, the combination of a fluid operable motor for effecting relative movement between the slides, a tracer carried by the tracer slide, a valve operatively connected with the tracer, said valve having a pressure port and a pair of additional ports, a selector valve, a pair of channels extending from said selector valve to the motor, a second pair of channels extending from the valve to said additional port, means in the tracer valve positionable when the tracer is in a free position to connect the pressure port to one of said additional ports and to connect the other additional port to exhaust, means connecting said additional ports to opposite ends of the selector valve for shifting the same, and means in the selector valve when in one position to connect said additional ports to the respective motor channels when in the other position to disconnect said motor channels from said additional ports.

2,039,295
ANTENNA HEATING
Philip Staats Carter, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application August 9, 1930, Serial No. 474,086
2 Claims. (Cl. 250—33)

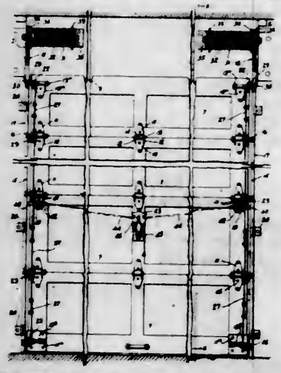


1. An antenna system having, in combination, diverging radiators, angularly disposed with respect to each other and disposed in a plane, a similar pair of diverging radiators located in a parallel plane, the correspondingly placed radiators of said pairs being parallel to each other, conductors respectively connecting together only one of the ends of said correspondingly placed parallel radiators, a pair of connections coupled to each pair of said parallel radiators at the other ends thereof, a condenser bridging each of said pairs of connections, a line directly coupling together one wire of one pair of connections with one wire of the other pair of connections, the other wires of said pairs of connections being capacitively coupled together, a two wire transmission line, a condenser bridging said transmission line, conductive paths between said transmission line and different wires of said pairs of connections, a source of heating current conductively coupled to said transmission line whereby said pairs of radiators are serially connected thereto, high frequency apparatus capacitively coupled to said transmission line and simultaneously with said source of heating current whereby said pairs of radiators are effectively in parallel with respect to said apparatus, and choke coils for preventing the flow of high frequency current to said heating source.

2,039,296
SLIDING DOOR
Harold F. Collins, Rockford, Ill., assignor to Howard D. Colman, Rockford, Ill.
Application March 16, 1931, Serial No. 522,908
13 Claims. (Cl. 20—20)

1. A door comprising a plurality of horizontally disposed panels hinged together in edge to

edge relation, tracks adapted to be mounted at opposite sides of a door opening with portions curving rearwardly in a plane above said opening, a plurality of rollers carried by the door and coacting with said tracks to guide the door in its opening and closing movements, means operating upon said rollers as the door approaches its closed position to shift it laterally relative to said



track and toward said opening, and counterbalancing means for the door connected to the lower edge thereof, said shifting means including a part acting to prevent a shifting movement of the door away from the track by said counterbalancing means when the door is moving from its open position.

2,039,297
SEPARATING PHOSPHORUS
Harry A. Curtis, Knoxville, Tenn., assignor to Tennessee Valley Authority, Wilson Dam, Ala., a corporation of United States of America
No Drawing. Application May 14, 1935, Serial No. 21,385
4 Claims. (Cl. 23—223)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

4. Step in process of separating phosphorus from a hot gaseous mixture containing elemental phosphorus which comprises contacting continuously the hot gaseous mixture with lime water.

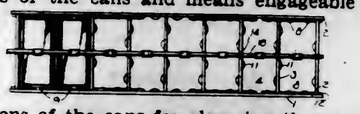
2,039,298
CIGARETTE MOUTHPIECE
Glenn Davidson, Bloomington, Ill.
Application December 3, 1932, Serial No. 645,548
4 Claims. (Cl. 131—52)



1. A mouthpiece for cigarettes and the like, comprising a plurality of crinkled paper strips of graduated widths each forming substantially a chord of the mouthpiece cross section.

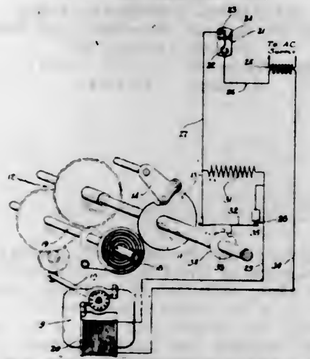
2,039,299
ICE CAN GRID
Augustus P. Dougherty, Warren, and William H. Stevens, Niles, Ohio
Application March 16, 1935, Serial No. 11,502
3 Claims. (Cl. 62—157)

1. A grid for ice cans comprising, in combination, substantially parallel side members and cross members for supporting said cans, integral embossed means on said side and cross members for engagement with the top reinforcing bands of the cans and means engageable with



the tops of the cans for clamping them against displacement.

2,039,300
CONTROL FOR AIR CONDITIONING SYSTEMS
George Forrest Drake, Rockford, Ill., assignor to Howard D. Colman, Rockford, Ill.
Application February 29, 1932, Serial No. 595,718
8 Claims. (Cl. 236—74)



6. In a temperature control system, the combination of a control device normally tending to move toward a predetermined position, an electric motor for driving said device away from said position, a source of electric current, a control switch, a thermo-sensitive element for imparting actuating movements to said switch to open and close the same, an energizing circuit for said motor including said source of current and said switch, and means controlling said circuit and operating automatically upon movement of said device through a predetermined distance away from said position to reduce the voltage applied to said motor and the current flowing through said switch while the switch continues to maintain the motor energized, said motor, when energized at the reduced voltage, constituting the sole means for preventing reverse movement of said control device.

2,039,301
PRODUCTION OF ARTIFICIAL MATERIALS
Henry Dreyfus, London, England
No Drawing. Application October 28, 1929, Serial No. 403,137. In Great Britain October 10, 1929
7 Claims. (Cl. 18—54)

1. In a process for the manufacture of artificial filaments, threads, yarns, ribbons and similar materials of subdued luster by the extrusion of a spinning solution into a setting medium, the step of incorporating in such spinning solution a proportion of a finely divided substantially white crystalline aromatic compound having a melting point above 200° C. in a proportion greater than is soluble in the substance of the materials and sufficient to impart a subdued luster to artificial materials spun from said solutions, said aromatic compound containing at least one amido group in which hydrogen is substituted by a naphthalene residue.

2,039,302
ARTIFICIAL SILK AND OTHER ARTIFICIAL PRODUCTS
Henry Dreyfus, London, England
No Drawing. Application August 7, 1930, Serial No. 473,781. In Great Britain October 10, 1929
16 Claims. (Cl. 106—40)

9. Artificial filaments, threads, yarns, ribbons, films, fabrics and the like having a reduced, subdued or modified lustre which have a basis of cellulose acetate and contain finely divided diacetyl tolidine.

2,039,303
MANUFACTURE OF ARTIFICIAL MATERIALS
Henry Dreyfus, London, England
No Drawing. Application August 7, 1930, Serial No. 473,782. In Great Britain October 17, 1929
18 Claims. (Cl. 106—40)

11. A spinning solution for the manufacture of artificial filaments, threads, yarns, ribbons and like products of modified lustre which has a basis of cellulosic material and which contains as a disperse phase fine particles of a resin which does not melt below 200° C. and which is insoluble in the solvent medium of the solution.

2,039,304
MANUFACTURE OF ACIDYLATED AROMATIC AMINES
Henry Dreyfus, London, England
No Drawing. Application July 22, 1931, Serial No. 552,421. In Great Britain August 15, 1930
18 Claims. (Cl. 260—124)

1. Process for the manufacture of diacidylated aromatic bases, comprising effecting acidylation of a diamino-diphenyl base at below boiling temperatures, in an excess of an inert liquid medium which is a nonsolvent for the diacidylated aromatic base.

2,039,305
MANUFACTURE OF ACIDYLATED AROMATIC AMINES
Henry Dreyfus, London, England
No Drawing. Original application July 22, 1931, Serial No. 552,421. Divided and this application February 18, 1932, Serial No. 593,861. In Great Britain August 15, 1930
15 Claims. (Cl. 260—124)

1. Process for the manufacture of acidyl derivatives of diamino diphenyl bases, comprising acidylating the said bases with an aromatic acid anhydride.

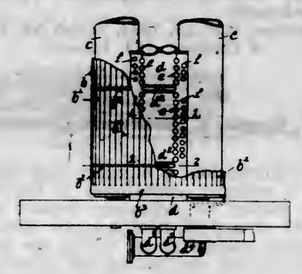
2,039,306
MANUFACTURE AND TREATMENT OF ARTIFICIAL SILK AND THE LIKE
Henry Dreyfus, London, England
No Drawing. Application August 22, 1932, Serial No. 629,901. In Great Britain September 18, 1931
14 Claims. (Cl. 18—54)

1. Process for the manufacture of artificial filaments, threads, yarns, ribbons, films, fabrics and the like having a reduced, subdued or modified lustre and containing an organic derivative of cellulose, which comprises forming in the materials an acidyl derivative of a diamino diphenyl base, which derivative has a melting point of at least about 200° C.

2,039,307
MANUFACTURE OF ARTIFICIAL FILAMENTS, THREADS, RIBBONS, FILMS, AND OTHER ARTIFICIAL PRODUCTS
Henry Dreyfus, London, England
No Drawing. Application July 13, 1933, Serial No. 680,253. In Great Britain July 14, 1932
7 Claims. (Cl. 106—40)

5. A spinning solution for use in the manufacture of artificial filaments, threads, and the like which comprises a cellulosic material dissolved in a suitable solvent therefor and which contains, as a disperse phase, a finely divided cellulose benzoate which is incompatible with the said cellulosic material.

2,039,308
MEANS FOR EXTRACTING WATER FROM WEBS OF PULP OR PAPER
William Parsonage Evans, Swinton, England
Application June 26, 1934, Serial No. 732,426
In Great Britain June 26, 1933
6 Claims. (Cl. 92—52)

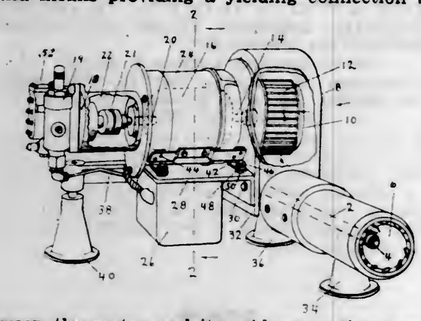


4. Means for carrying out the improved method of extracting water from paper webs, or other material, comprising a substantially closed suction box with support face, spaced lateral apertures in said support face, an endless revolvable belt, lateral channels in said belt, closed selvedges to said belt, drainage holes from the channels in said endless revolvable belt, said drainage holes adapted to progressively coincide with the spaced lateral apertures in the support face of said substantially closed suction box, means to permit free access of air between the inner face of the upper stretch of endless revolvable belt and the substantially closed top of the suction box, means to assist removal of silt between said endless revolvable belt and the substantially closed top of the suction box, means for supporting and permitting rotation of said endless revolvable belt and means for draining said substantially closed suction box.

2,039,309
OIL BURNER PUMPING UNIT
Laurence E. French, Sebastopol, Calif.
Application May 16, 1935, Serial No. 21,816
5 Claims. (Cl. 103—218)

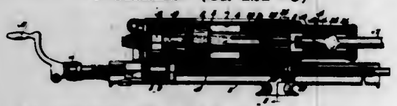
1. An oil burner pumping unit comprising a fuel-oil pump for supplying oil to a fire box, an air-blower fan for supplying air to the fire box to support combustion of the oil, a motor upon which the oil pump and the air-blower fan are solely-supported and connected so as to be driven thereby, means for supporting the motor together with the oil pump and the air-blower fan,

and means providing a yielding connection be-



tween the motor and its said supporting means to reduce noise and vibration.

2,039,310
DRILLING APPARATUS
Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application May 29, 1933, Serial No. 673,489
6 Claims. (Cl. 121—5)



1. In combination, a hammer rock drill comprising a cylinder containing a reciprocatory hammer piston for delivering impact blows to the shank of a drill steel, a guide shell having longitudinal guideways on which the rock drill is slidably guided, mechanism for effecting intermittent rotary motion of said hammer piston as the latter reciprocates within said cylinder, a chuck mechanism for supporting the drill steel shank in position to receive the impact blows of said hammer piston annd having an interlocking connection with said piston whereby when said piston is intermittently rotated the drill steel is intermittently rotated through said chuck mechanism, and mechanism operated by a rotary element of said chuck mechanism for effecting intermittent feed of the rock drill along the shell guideways.

2,039,311
ROCK DRILL
Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application March 6, 1934, Serial No. 714,316
16 Claims. (Cl. 121—9)



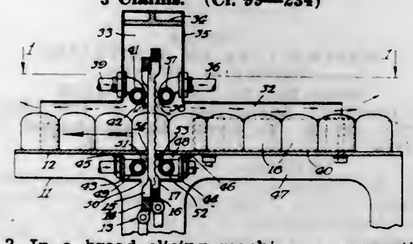
1. In a rock drill, a guide shell, a drilling motor mounted thereon, and means for feeding the drilling motor along the guide shell including a shell brace rod secured at its ends to the opposite extremities of the guide shell, a feed piston mounted on said brace rod and held against axial movement relative thereto, a feed cylinder containing said piston and slidably guided on said guide shell, said feed cylinder having portions adjacent each end thereof guidingly engaged by said shell in all positions along the latter, and means for attaching the drilling motor to the feed cylinder.

2,039,312
REENFORCED CARDED WEB
Joshua H. Goldman, Boston, Mass.
Application March 15, 1935, Serial No. 11,262
10 Claims. (Cl. 154—46)



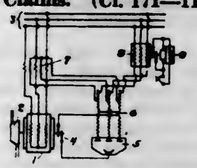
1. A web of carded fibers practically all of whose fibers are tied together by binder infused locally into the body of the web, the web area occupied by binder being only a small fraction of the total area of the web.

2,039,313
APPARATUS FOR PROTECTING SLICED BREAD AGAINST MOLD
Louis W. Haas, Chicago, Ill., assignor to The W. E. Long Co., a corporation of Illinois
Application August 17, 1931, Serial No. 557,541
Renewed July 24, 1935
3 Claims. (Cl. 99—234)



3. In a bread slicing machine, a supporting frame comprising a top member, means for moving loaves of bread longitudinally of said member, reciprocating knives for slicing said bread as it is moved along said member, said knives extending through said member, means including nozzles for directing jets of sterilized air onto said knives above said top member and means below said top member for directing jets of sterilized air onto said knives during the operation of said machine, said last named means comprising nozzles and means for enclosing said nozzles for confining the sterilized air through which the bread is adapted to pass during the slicing operation.

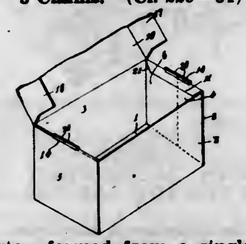
2,039,314
ELECTRICAL SYSTEM
Hermann Harz, Berlin, Germany, assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York
Application May 3, 1934, Serial No. 723,657
In Germany May 6, 1933
13 Claims. (Cl. 171—119)



12. In combination, a direct current circuit, means for causing and controlling current flow

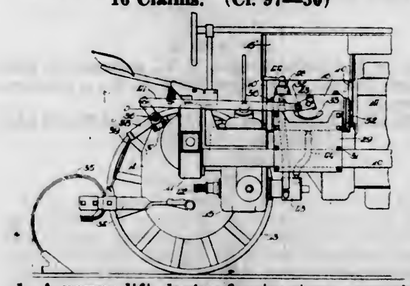
therein comprising an alternating current supply circuit, a rectifier connecting said supply circuit with said direct current circuit; means for causing a large reactive current to flow in said supply circuit of the order of magnitude which is high relative to the desired average power in said direct current circuit; and means for varying said supply current for adjusting a current of predetermined value in said direct current circuit.

2,039,315
CARTON
Arthur S. Heineman, Los Angeles, Calif.
Application January 9, 1935, Serial No. 958
3 Claims. (Cl. 229—34)



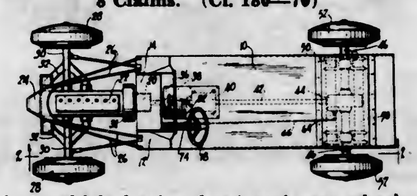
1. A carton formed from a single blank and comprising: a bottom or base portion; a pair of side wall portions continuous with and folded up from said base portion; a pair of inner end wall portions each extending half way across the end of the carton in abutting relation with each other and each being a continuation of and being folded in from one of said side wall portions and having a notched tab extending above its upper edge; an outer end wall portion continuous with and folded up from said base portion and having a flap at its upper edge folded inwardly and downwardly over the upper edges of said inner end wall portion and having a slot for receiving said notched tabs on said inner end wall portion, said slot being substantially equal in length to the combined width of said two tabs at the base of the latter, and the tabs being wider at their upper ends than at their bases whereby said tabs are locked in said slot when said inner end wall members are in abutting relation.

2,039,316
POWER LIFT FOR TRACTORS
Edward A. Johnston, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application May 22, 1935, Serial No. 22,890
16 Claims. (Cl. 97—50)



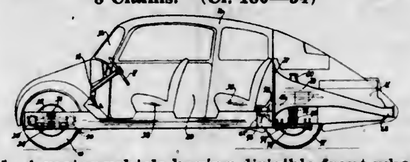
1. A power lift device for tractors comprising, in combination with a tractor and an implement to be lifted, a rockshaft mounted on the tractor, lifting connections between the rockshaft and the implement, a power actuated shaft mounted on the tractor, a lifting lever arm connected to said shaft, a lifting member connecting said lever arm and rockshaft, and means for operating the lifting shaft through an angular movement of substantially more than 180 degrees whereby the lever arm may be moved to a past dead-center position in either of its extreme positions.

2,039,317
VEHICLE
Victor W. Kliesrath, South Bend, Ind., assignor to The Steel Wheel Corporation, Chicago, Ill., a corporation of New York
Application March 25, 1933, Serial No. 662,738
8 Claims. (Cl. 180—70)



1. A vehicle having front and rear wheels, a chassis part supported on the rear wheels, an engine movably mounted on the chassis part and having individual spring suspension devices supporting it on the front wheels, whereby the front portion of the chassis part is supported on the front wheels through the engine in a manner permitting said wheels to move independently of each other and whereby the engine reaction torque is transmitted directly to the front wheels, and means driven by the engine and which means drives the rear wheels.

2,039,318
MOTOR VEHICLE
Victor W. Kliesrath, South Bend, Ind., assignor to The Steel Wheel Corporation, Chicago, Ill., a corporation of New York
Application May 15, 1933, Serial No. 671,048
8 Claims. (Cl. 180—54)

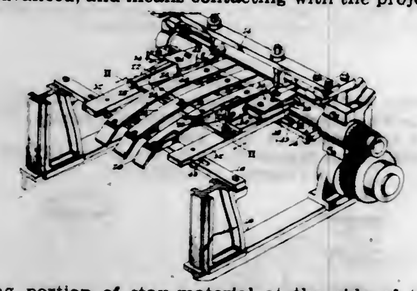


1. A motor vehicle having dirigible front wheels and driven rear wheels and a chassis member carried thereby, said chassis member including a transverse element in a vertical plane near the rear wheels and provided with a bearing device substantially at its center, and also including side members extending rearwardly from said transverse element and supporting substantially at the rear end of the car another bearing device alined with the first bearing device, and in combination with an engine pivotally supported by said bearing devices and driving the rear wheels and having individual spring suspension devices independently yieldingly connecting it to said rear wheels.

2,039,319
BLANK-MAKING MACHINE
Cutler D. Knowlton, Beverly, Mass., assignor to Hoague-Sprague Corporation, Lynn, Mass., a corporation of Massachusetts
Application November 13, 1933, Serial No. 697,801
7 Claims. (Cl. 93—36)

1. In a blank-making machine, means for advancing a web of shell-material with stay-mate-

rial adhesively secured to an upper face thereof and projecting beyond the edge, a curved bed in contact with which the assembly of shell-material with the stay-material adhering thereto is advanced, and means contacting with the projec-



ing portion of stay-material at the side of the bed for folding said projecting portion into engagement with the under face of the shell-material.

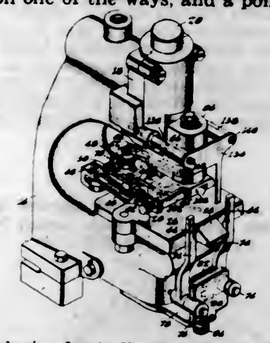
2,039,320
GOLF CLUB JOINT
Arthur A. Kraeuter, South Orange, N. J., assignor to The Kroydon Company, a corporation of New Jersey
Application December 28, 1928, Serial No. 328,926
15 Claims. (Cl. 273—80)



1. In a golf club, a head having an integral flaring hosel, a reenforcing hollow adapter positioned in said hosel, a shaft of uniformly longitudinally tapering exterior having its smallest diameter within the adapter, said adapter fitting closely onto said shaft at one end and being smoothed to a substantially even surface therewith at the other end and the portions of said adapter between its ends which meet the shaft being out of contact with said shaft.

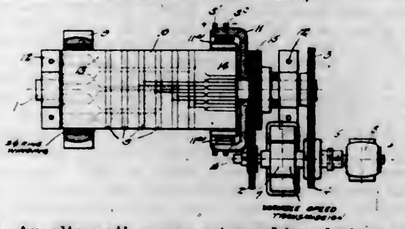
2,039,321
PUNCHING AND MARKING MACHINE
Axel A. Lawson, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application April 16, 1934, Serial No. 720,701
2 Claims. (Cl. 12—17)

1. A machine for operating upon soles comprising a work support, a member mounted for reciprocation relative to the support, a spring-pressed plunger carried by said member and having at its lower end a plurality of ways, a marking device mounted for movement in the ways, a scale upon one of the ways, and a pointer on the



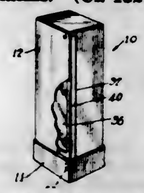
marking device for indicating the position thereof along the scale.

2,039,322
SYNCHRONOUS ALTERNATING CURRENT MACHINE FOR LOW AND FOR VARIABLE SPEED
Jacob Lell, Heidenheim-on-the-Brenz, Germany
Application December 30, 1933, Serial No. 704,728
In Germany December 31, 1932
5 Claims. (Cl. 172—120)



1. An alternating current machine designed to operate synchronously at relatively low and variable speeds comprising a main machine including armature and field windings, and auxiliary machine including armature and field windings, a rotary drum member common to both machines, the armature of the auxiliary machine and the field of the main machine being wound upon said drum member for rotation therewith as a unit with respect to the field of the auxiliary machine and the armature of the main machine, respectively, and conductor means connecting like pole portions of the auxiliary armature winding and the main field winding.

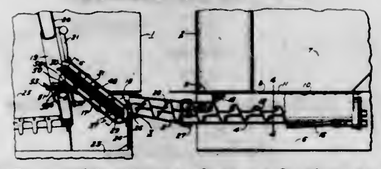
2,039,323
LIP STICK
Maurice E. Lessin, Bronx, N. Y., assignor to Parfums Corday, Inc., New York, N. Y., a corporation of New York
Application September 15, 1934, Serial No. 744,159
9 Claims. (Cl. 132—79)



1. In combination with a device of the character described, comprising, a cosmetic holder,

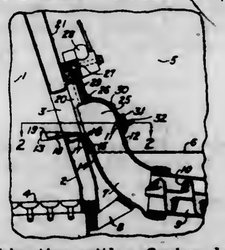
and a cover therefor, a mirror disposed within said cover and hinged thereto, spring means for pivotally moving said mirror with respect to said cover to eject said mirror from said cover, and means on said holder for retaining said mirror within said cover against the action of said spring means.

2,039,324
LOCOMOTIVE STOKER
Henry E. Lippert, Pittsburgh, Pa., assignor, by mesne assignments, to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application August 28, 1930, Serial No. 478,387
Renewed November 3, 1934
3 Claims. (Cl. 110—101)



1. In combination, a furnace having an upright wall with an opening therein, a four sided fuel feed casing external of said furnace having its discharge end in communication with said opening, an endless conveyor mounted in said casing to advance fuel therethrough toward said opening, and a chambered member having an upstanding wall facing the furnace provided with a plurality of jet openings adapted to discharge pressure fluid toward the furnace, said member being disposed adjacent the discharge end of the casing beneath the delivery end of the endless conveyor, the said upstanding wall of said member located rearward of the delivery end of the endless conveyor and extending across the discharge end of the casing for substantially the width thereof.

2,039,325
FIRE DOOR AND STOKER STRUCTURE
Henry E. Lippert, Pittsburgh, Pa., assignor, by meane assignments, to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application November 19, 1931, Serial No. 576,115
Renewed October 1, 1935
3 Claims. (Cl. 110—101)



3. In combination with a firebox having a wall provided with a firing opening therein for hand and stoker firing, a stoker conduit rigidly secured to said firebox wall and communicating with the lower portion of said firing opening, said stoker conduit at its delivery end including a rear wall and side walls extending beyond and above said rear wall, and a firedoor mounted on said firebox wall to swing parallel thereto, said firedoor having an upper and a lower portion, the upper portion of said firedoor being substantially parallel with said firebox wall and forming a closure for the upper portion of said firing opening and the lower portion of said firedoor extending rearwardly from said upper portion of the firedoor and forming a closure for the opening defined by the contiguous edges of said rear and side walls.

2,039,326
PEN
Hiram Stanhope Lukens, Philadelphia, Pa., assignor to C. Howard Hunt Pen Company, Camden, N. J., a corporation of New Jersey
No Drawing. Application January 20, 1934, Serial No. 707,502
9 Claims. (Cl. 120—109)

1. As an article of manufacture, a pen point comprising a base composed of a chromium alloy steel on the surface of which a non-tarnishing corrosion-resistant film normally forms, the pen having an adherent electrolytically-deposited gold plate thereon.

2,039,327
PEN POINT
Hiram Stanhope Lukens, Philadelphia, Pa., assignor to C. Howard Hunt Pen Company, Camden, N. J., a corporation of New Jersey
No Drawing. Application May 13, 1935, Serial No. 21,189
1 Claim. (Cl. 120—109)

A pen point composed of a chromium alloy steel having a dense and adherent oxide film thereon and further having an adherent electrolytically deposited gold plate applied to said film.

2,039,328
METHOD FOR GOLD PLATING
Hiram Stanhope Lukens, Philadelphia, Pa., assignor to C. Howard Hunt Pen Company, Camden, N. J., a corporation of New Jersey
No Drawing. Continuation of application Serial No. 707,502, January 20, 1934. This application May 13, 1935, Serial No. 21,190
13 Claims. (Cl. 204—12)

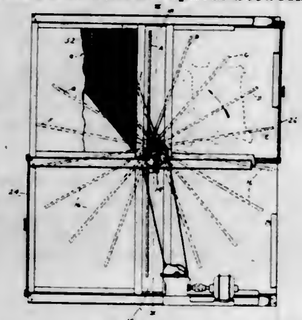
1. The method of gold plating an article composed of a chromium alloy steel on the surface of which a non-tarnishing film normally forms, which method includes electrodepositing gold from a gold plating solution containing free hydrocyanic acid.

2,039,329
DRYING SHEET MATERIAL
Matthew M. Merritt, Middleton, Mass., assignor to The Tanning Process Company, Boston, Mass., a corporation of Massachusetts
Application November 5, 1934, Serial No. 751,512
16 Claims. (Cl. 34—40)

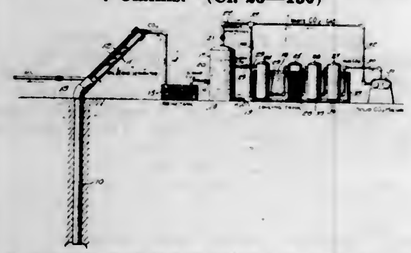
1. That improvement in methods of drying hides and skins which comprises mechanically sweeping from a surface of a hide or skin a layer of air in close juxtaposition to said surface, at the same time leaving a reservoir layer of air of substantially uniform thickness on said surface, permitting other air to flow in over the said surface to become diffused with said reservoir layer of air, and repeating the sweeping operations at regular intervals until the hide or skin is dried to the desired degree.

5. In a drier for sheet material, a plurality of pairs of supports for sheet material arranged in

parallel spaced relation, each support being adapted to support sheet material in substantially flat condition, and sweeper members of a width less than that of the space between the sheet material on two adjacent supports and movable through the spaces between said supports to remove layers of air from between the pieces of sheet material on said supports, the drier being open at one side with the spaces between the supports communicating directly with the outside air so that air may enter said spaces in a uniform manner, and said drier being open at another side with said spaces communicating directly with the outside air so that air may escape directly from said spaces in a uniform manner during operation of said movable sweeper members.



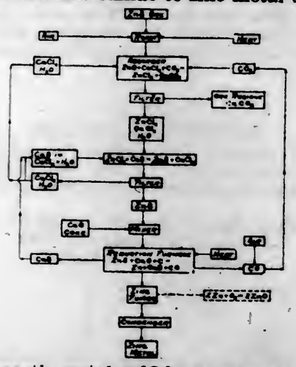
2,039,330
PURIFICATION OF CARBON DIOXIDE
Ralph H. McKee, Jersey City, N. J.
Application July 8, 1930, Serial No. 466,546
7 Claims. (Cl. 23—150)



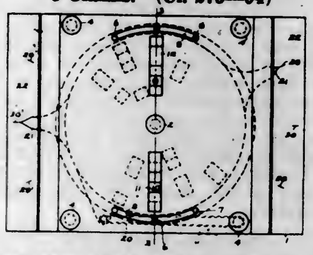
1. A process of the character described for removing odorous impurities from carbon dioxide which comprises contacting the impure carbon dioxide in liquid form with a gas absorbent selected from the group consisting of activated carbon, paraffine and heavy oil.

2,039,331
METHOD OF TREATING A ZINC BEARING ORE MATERIAL
Thomas A. Mitchell, Denver, Colo., assignor to Hughes-Mitchell Processes, Incorporated, Denver, Colo., a corporation of Wyoming
Application November 5, 1934, Serial No. 751,475
6 Claims. (Cl. 75—28)

1. The method of recovering zinc from an ore material containing zinc oxide comprising the steps of treating the material in finely divided condition with a solution of alkaline earth metal chloride and carbon dioxide and forming zinc chloride, separating the resultant solution from the ore residue and treating it with sufficient alkaline earth metal sulfide to precipitate the zinc as a sulfide, and thereafter heating the zinc sulfide with alkaline earth metal oxide and carbon to reduce the zinc sulfide to zinc metal and form alkaline earth metal sulfide, and separating the zinc from the furnace residue.



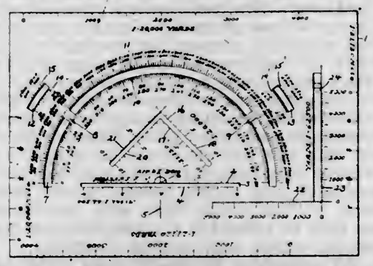
2,039,332
GAME
Wayne J. Merrill, Fort Wayne, Ind.
Application November 18, 1933, Serial No. 698,654
5 Claims. (Cl. 273—94)



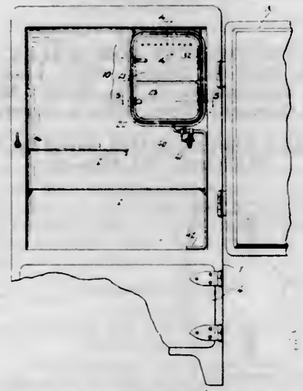
1. In a game apparatus, a movably mounted member having a plurality of characters representing values in the game and arranged in concentric annular areas thereon, a fixed top member having a slot therein adapted to expose one character in each of said areas simultaneously, a movably mounted member for each player each having openings therein adapted to selectively expose chance characters in the said areas, each latter member also having openings therein adapted to leave exposed only a portion of the characters exposed by the other of said latter members.

2,039,333
PROTRACTOR
Harry A. Musham, Chicago, Ill.
Application February 27, 1935, Serial No. 8,509
1 Claim. (Cl. 33—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

A measuring device of the class described comprising a rectangular sheet of suitable material provided with a slot extending parallel to a longitudinal edge thereof, one edge of said slot being marked centrally to indicate the vertex of a protractor, said protractor comprising a semi-circular main slot the opposite edges of which are calibrated to different scales and the slot bridged at suitable localities by connecting members to retain the rigidity of said sheet, and auxiliary arcuate slots having the same vertex as the aforesaid main slot, located exterior the main slot and in spaced relation thereto, said auxiliary slots being graduated on each edge with scales corresponding respectively to those of said main slot and adapted to complete the scales inscribed at the edges of said main slot at the portions where it is bridged by the connecting members.



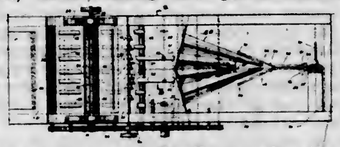
2,039,334
REFRIGERATOR
James A. Nagy, Detroit, Mich., assignor of forty-five per cent to Frederick G. Richardson, Detroit, Mich.
Application October 5, 1934, Serial No. 747,720
Renewed March 6, 1936
9 Claims. (Cl. 62—91.5)



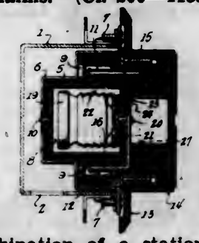
1. A refrigerator comprising, a cabinet having a food compartment, a refrigerating unit comprising a substantially sealed compartment for solid carbon dioxide, a sharp freezing chamber, a pressure valve connecting the compartment and sharp freezing chamber for maintaining pressure in the compartment and for permitting flow of carbon dioxide gas into the sharp freezing chamber, tubes resistant to unrestricted gas flow connecting into the carbon dioxide compartment having outlet means into the food compartment, and a thermostatically controlled valve for said outlet means.

2,039,335
METHOD AND APPARATUS FOR FOLDING SHEETS
Torney Otto Nall, Chicago, Ill.
Application April 20, 1931, Serial No. 531,407
12 Claims. (Cl. 270—40)

1. The method of folding a sheet of paper or the like to form a plurality of fan folds which comprises making a transverse fold through the sheet, then creasing the sheet with longitudinal creases, then folding the parts between the creases together, and finally pressing the folded parts together.



2,039,336
FUSED WALL RECEPTACLE
Jacob P. Niesen, Racine, Wis.
Application May 31, 1935, Serial No. 24,267
5 Claims. (Cl. 200—115.5)



1. The combination of a stationary housing including a metallic box adapted for permanent mounting within a wall and constituting an outlet box, said outlet box having a permanently mounted insulating member located within said box and forming an insulating housing within said box, a pair of stationary contacts carried by said insulating member and adapted for attachment to line wires, and a removable member constituting a cover plate for said outlet box, said cover plate having an electrical instrumentality, a fuse carried by said cover plate and connected in circuit with said instrumentality, said removable member having a pair of contacts, said last mentioned pair of contacts acting in the dual capacity of engaging the first mentioned contacts and of holding the coyer plate in place on said outlet box, said fuse being located within said insulating housing when said cover plate is in place.

2,039,337
ARTERIAL BLOOD PRESSURE MEASURING DEVICE
William P. Nolan, New York, N. Y.
Application November 20, 1935, Serial No. 50,678
1 Claim. (Cl. 73—44)



A blood pressure measuring device comprising a transparent glass tube, a scale along said tube,

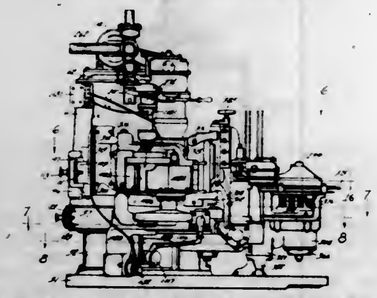
a collapsible device containing mercury secured to the lower end portion of the tube and into which the tube extends, a cylinder surrounding said collapsible device, a plunger reciprocable in said cylinder, one end of said plunger engaging the collapsible device for compressing the same, the other end of the plunger having a reduced extension extending outside the cylinder and shaped for engaging and compressing an arterial blood vessel.

2,039,338

VACUUM CLOSING MACHINE

Ronald E. J. Nordquist and John Daniel Le Frank, Maplewood, N. J., assignors to American Can Company, New York, N. Y., a corporation of New Jersey

Application July 30, 1932, Serial No. 627,084
47 Claims. (Cl. 113—1)



1. In an apparatus for vacuumizing and sealing containers, the combination of a casing enclosing a vacuum chamber and having an opening in its wall, a can conveying valve adapted to rotate on a fixed vertical axis located outside of said casing said valve partially extending into said casing opening, and a float valve seat having a relatively flat section engaging the outside of said casing and having a cylindrical section extending through said opening and into said vacuum chamber and engaging that part of said conveyor valve which is within the vacuum chamber and providing a seal for the chamber at said opening and around said valve, said float valve seat being free of attachment to said casing and valve and freely movable in all directions relative thereto.

7. An apparatus for sealing containers, comprising in combination a cover magazine for holding can covers in stacked formation, means for feeding a can cover in a circular path of travel from said magazine, marking devices located at a marking station adjacent the path of travel of said cover, and means interposed in the path of travel of the cover for deflecting it outwardly into said marking station to momentarily release it from said cover feeding means and to arrest its travel during the operation of said marking devices, a vacuum chamber and cover seaming means therein, means for separately feeding cans and covers into said vacuum chamber, and means in the vacuum chamber for assembling the cans and covers ready to be seamed together.

27. In an apparatus for vacuumizing and sealing containers, the combination of a casing providing a vacuum chamber, seaming mechanism within said chamber, can conveying mechanism for introducing cans into said chamber and to said seaming mechanism and for discharging the seamed cans out of said chamber, means within said vacuum chamber for collecting any spill from the cans passing to the seaming mechanism, and an automatically operative rotary valve located outside of said chamber for discharging the said collected spill without affecting the vacuum within said chamber.

31. In an apparatus for vacuumizing and sealing containers, the combination of a casing enclosing a vacuum chamber, seaming mechanism in said chamber, means for vacuumizing said chamber, driving means for operating said seaming mechanism, and a spring-operated syphon vacuum control bellows element disposed within said vacuum chamber and having its exterior wall in communication therewith and electrically connected with said driving means for stopping and preventing operation of said seaming mechanism by means of said spring collapsing said bellows element in the event that said vacuumizing means fails to maintain a predetermined degree of vacuum within said vacuum chamber.

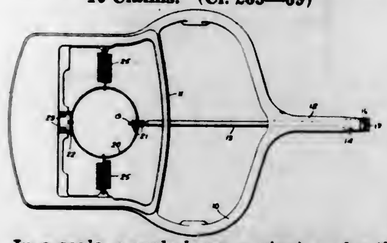
47. An apparatus for sealing cans under vacuum, said cans containing syrup material which is insoluble in oil, comprising in combination: a casing having an opening in its wall and enclosing a vacuum chamber in which cans and covers are seamed together, a rotating valve in said opening for conveying cans into said chamber, and means for supplying measured quantities of a non-oleaginous cleaning solvent to the valve as it rotates, whereby to dissolve crystallized syrup material deposited during the operation of the apparatus on the engaging surfaces of said valve as a result of handling cans containing syrup material.

2,039,339

THERMOSTAT FOR SCALES

James S. Ogsbury, Dayton, Ohio, assignor, by mesne assignments, to The Hobart Manufacturing Company, Troy, Ohio, a corporation of Ohio

Application February 3, 1932, Serial No. 590,605
10 Claims. (Cl. 265—69)



1. In a scale, a scale lever, a pivot, and a thermostatic device carried by the lever and comprising an element movably mounted on the lever for carrying the pivot, an endless flexible member connected to the element, and temperature responsive means for distorting said member to move the element and pivot according to temperature variations.

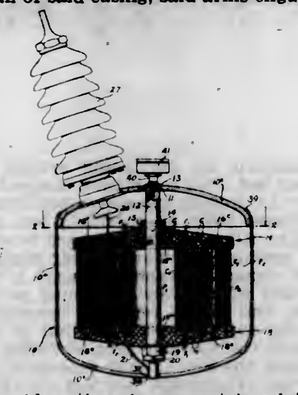
2,039,340

ELECTRIC CONDENSER CONSTRUCTION

Bror G. Olving, Hamden, Conn., assignor to Products Protection Corporation, a corporation of Delaware

Application April 7, 1933, Serial No. 664,844
13 Claims. (Cl. 175—41)

1. In condenser construction, in combination, a casing, a substantially centrally positioned vertical supporting member in said casing, a pair of spaced frame members carried by said supporting member, said frame members having a plurality of radially extending arms, a plurality of annular concentrically related condenser sections extending about said support and between said frames, the outside diameter of a smaller section being smaller than the inside diameter of the next adjacent section, thereby to provide an annular passage between adjacent sections, the over-all dimensions of said concentric sections as a whole being smaller than the inside dimensions of said casing, whereby said annular passages are in communication with the spaces above and below the condenser sections and with the space between the outermost condenser section and the inner wall of said casing, said arms engaging and



holding said sections in concentric relation, and a dielectric cooling medium in said casing for circulation through said passages and said spaces.

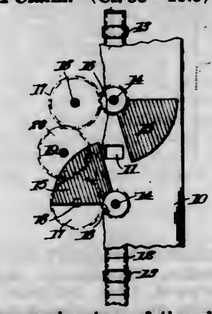
11. In condenser construction, in combination, a plurality of condenser sections each comprising plate members alternated with dielectric material, said sections being connected in series, certain of said sections having a larger heat-dissipating surface than others and the electrostatic capacity of said sections being substantially the same throughout, the thickness of the dielectric material being smaller for sections of larger heat-dissipating surface than for sections of smaller heat-dissipating surface.

2,039,341

PROJECTOR OR CAMERA SHUTTER MECHANISM

Scott Parish, Cleveland, Ohio

Application April 27, 1932, Serial No. 607,824
Renewed July 30, 1935
1 Claim. (Cl. 88—19.3)



In a shutter mechanism of the class described having a projection aperture, means to intermittently advance film across the aperture, shutter members disposed on opposite sides of the aperture each consisting solely of a single blade, separate shafts carrying said shutter members, a gear on each shutter member shaft, a driving means and a multiplying gear connection between said driving means and each of said shutter member shaft gears to drive each of said shutter member shafts in the same direction at the same speed and at two revolutions for each film advancing movement of the intermittent feed.

2,039,342

SPRING ELEMENT

Gustav Pielstick, Augsburg, Germany, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany, a corporation of Germany

Application February 21, 1934, Serial No. 712,334
In Germany February 27, 1933
6 Claims. (Cl. 267—1)



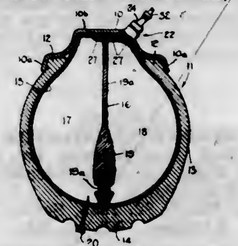
1. A spring element of the character described comprising a plurality of nested spring shells of substantially cylindrical curvature each having an open side and each substantially C-shaped in cross-section, each shell being free to turn with respect to an adjacent shell and free to rub on an adjacent shell throughout substantially its entire extent when the spring element is expanding and contracting.

2,039,343

TWO-SEAL INNER TUBE

Michael Prokul, Maplewood, N. J.

Application November 21, 1935, Serial No. 50,810
2 Claims. (Cl. 152—22)



1. In an improved multi-chamber inner tube, the combination of a tube, an annular diaphragm secured at its outer and inner peripheral edges to the outer and inner diameters of the tube and dividing said tube into a plurality of chambers, said diaphragm lying substantially in the central plane of rotation of the tube, the area of the diaphragm adjacent the outer diameter thereof being thickened, and a weakened portion in the thickened portion circumferentially arranged about the diaphragm the major part of the diaphragm hinging about the weakened portion to facilitate the conforming thereof with the wall of the tube.

2,039,344

METHOD OF MAKING TERTIARY ALKYL PHENOLS

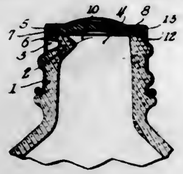
Mark E. Putnam, Edgar C. Britton, and Ralph P. Perkins, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application December 1, 1932, Serial No. 645,231
17 Claims. (Cl. 260—154)

1. The method of making a 4-tertiary-alkyl-phenol which comprises reacting a tertiary-alkyl

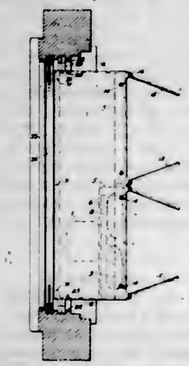
halide with a phenol having the 4-position thereof free, at a temperature below 50° C., in the presence both of a catalyst capable of promoting reaction between an alkyl chloride and phenol and of a liquefying solvent which is substantially incapable of reacting at below 50° C. with the tertiary-alkyl halide and/or phenolic reactants to form any product other than a 4-tertiary-alkyl phenol.

2,039,345
BOTTLE MOUTH
Edward A. Ravenscroft, Glencoe, Ill.
Application October 31, 1932, Serial No. 640,517
2 Claims. (Cl. 215—31)



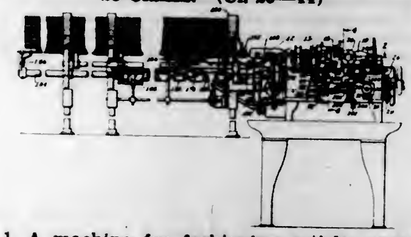
1. A ready pouring bottle of the nature described, comprising a neck upon said bottle, fastening means upon said neck describing a descending helical path about said neck, and an inwardly deflected portion of said neck lying within an area defined by the top of said neck and the latter portions of the first turn of fastening means forming a depression a substantial portion of which lies between the level of the upper extremity of the fastening means and the latter portion of the first turn of the fastening means, said depression forming a lip, the underside of which lies in a surface substantially perpendicular to the axis of said neck.

2,039,346
WINDOW VENTILATOR
Lyman C. Reed, New Orleans, La., assignor to Reed Unit-Fans, Inc., New Orleans, La., a corporation of Louisiana
Application March 22, 1935, Serial No. 12,491
8 Claims. (Cl. 98—94)



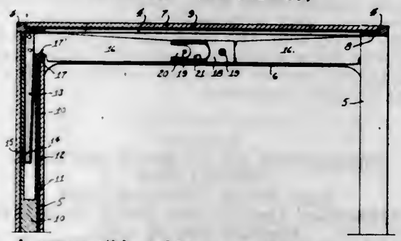
1. A ventilator comprising a casing having two opposite sides movable with respect to the remaining sides; and means carried by the movable sides for securing the casing in a window opening.

2,039,347
MACHINE FOR FASHIONING ARTICLES SUCCESSIVELY FROM BAR STOCK
Charles A. Rich, Providence, R. I., assignor to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island
Application October 11, 1934, Serial No. 747,910
23 Claims. (Cl. 29—44)



1. A machine for fashioning articles successively from bar stock comprising means for feeding a bar to present successive portions to the work engaging tools, an operating tool assembly including a cutting-off tool arranged to sever successively positioned portions of bar stock, a separate tool support movable to engage a tool with each of said successively positioned portions of bar stock, and means rendered operative upon starting the operation on a new bar to vary the operation of said movable support during the operation upon the first of said successive portions of a new bar to maintain said tool out of engagement with the work.

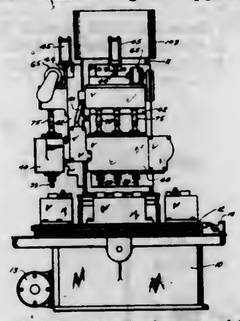
2,039,348
CONVERTIBLE TABLE
Leroy L. Richard, Visalia, Calif.
Application March 18, 1935, Serial No. 11,656
3 Claims. (Cl. 311—39)



1. A convertible table comprising a body, legs rigidly fixed thereto, rails extending between said legs, an extensible member carried within each leg for sliding movement parallel thereto, a movable locking bar positioned parallel to said leg, and an operating lever fixed to said bar and extending laterally beneath said body, said lever being concealed behind one of said rails and said bar and lever being mounted for rocking movement to cause the lower end of said bar to move laterally to engage and lock said extensible member.

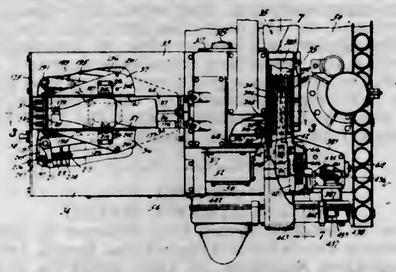
2,039,349
PLANETARY MILLING MACHINE
Millard Romaine, Cincinnati, and Erwin G. Roehm, Norwood, Ohio, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application September 12, 1933, Serial No. 689,110
18 Claims. (Cl. 90—19)

12. A machine tool having a work support, a tool support, a rotatable sleeve journaled in said support, a cutter spindle journaled in said sleeve eccentric to the axis thereof for planetary movement upon rotation of the sleeve, a continuously driven spindle transmission, a flexible connection from said transmission to the tool for maintaining a power coupling therewith during planetary movement thereof, parallel branch transmissions coupled to the spindle transmission for operation thereby, one at a relatively high speed and the other at a relatively low speed, said branch transmissions terminating in oppositely driven



members, a clutch selectively movable to a first position for coupling the slow driven member to the sleeve for effecting a planetary feeding movement of the tool; to a second position for coupling the rapid driven member to the sleeve to effect a rapid return movement of the tool; to a third position for disconnecting both branch transmissions from the sleeve, and hydraulic means automatically operable for shifting said clutch to any one of its three positions.

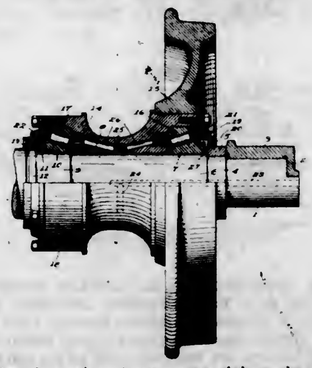
2,039,350
FISH-CANNING MACHINE
Walter E. Rooney, Bellingham, Wash., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application September 5, 1934, Serial No. 742,864
20 Claims. (Cl. 17—4)



1. In a fish canning machine, the combination of a feeding tunnel, an intermittently movable carrier arranged transversely of said tunnel for advancing fish into said tunnel, a cutter adapted for operation transversely of the line of travel of said carrier during its rest period to cut the fish into can lengths, and means moving simultaneously with said carrier for holding the fish thereon during its travel into the said tunnel entrance.

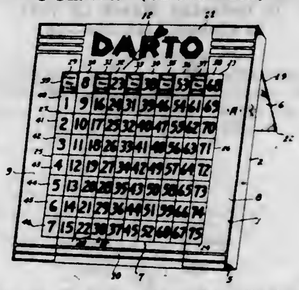
11. In a fish canning machine, the combination of a table gate for supporting fish preparatory to cutting, a feeding tunnel, an intermittently movable carrier chain for advancing fish into the entrance end of said tunnel, means for moving said table gate to effect feeding of fish supported thereby into said movable carrier, and a cutter adapted for operation transversely of the line of travel of said carrier during its rest period to cut the fish into can lengths.

2,039,351
CAR WHEEL JOURNAL BEARING
Julius E. Shafer, Chicago, Ill.
Application July 13, 1931, Serial No. 550,417
8 Claims. (Cl. 295—36)



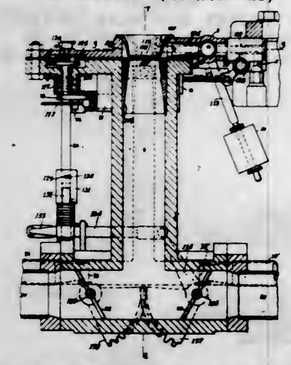
8. Bearing structure comprising, in combination with an axle and a wheel associated therewith, a pair of anti-friction bearings for mounting the wheel upon the axle, a plain bearing carried by the wheel between the anti-friction bearings and normally out of contact with the axle, said plain bearing adapted to come into contact with the axle under abnormal conditions to carry the load and abut said anti-friction bearings to prevent longitudinal movement of the wheel relative to the axle.

2,039,352
GAME
Laurie E. Ross, Portland, Oreg.
Application May 28, 1934, Serial No. 727,869
5 Claims. (Cl. 273—102)



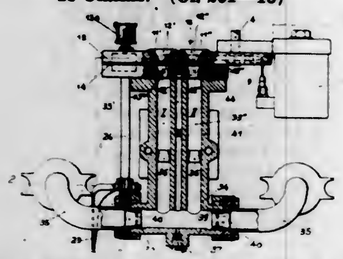
1. In a game of the class described, a playing field target consisting of a frame having a plurality of squares in which a series of numbers are inscribed, means for supporting said playing field target in an inclined position, a plurality of cards, each of said cards having a group of numbers inscribed thereon in pre-determined relation and corresponding to at least some of the numbers on the playing field target, missiles adapted for being thrown at the playing field target, and markers to be placed upon said cards to cover the numbers which correspond to the numbers struck on the playing field target by the missiles.

2,039,353
VAPORIZER FOR INTERNAL COMBUSTION ENGINES
Arnold Seidel, Berlin-Charlottenburg, Germany
Application May 5, 1932, Serial No. 609,433
In Germany May 6, 1931
12 Claims. (Cl. 261—18)



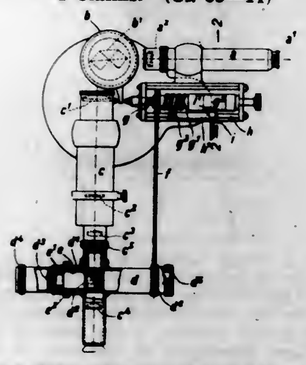
1. In a vaporizer for multi-stage service the combination of a float chamber provided with a fuel nozzle, a primary mixing channel into which said fuel nozzle opens, a plurality of main atomizers each having an injector slot at its narrowest cross-section and being open on one side to the air and on the other side connected to the intake manifold of the engine, each injector slot being connected to said primary mixing channel by a duct, a slot closure in the narrowest cross-section of each main atomizer and provided with splitting edges, the longitudinal axes of said main atomizers being arranged substantially at right angles to the longitudinal axes of said ducts, whereby the flow of the primary mixture is deflected at said splitting edges, and conduits extending from said main atomizers.

2,039,354
HEAVY OIL CARBURETOR
Arnold Seidel, Berlin-Charlottenburg, Germany
Application August 14, 1933, Serial No. 685,070
In Germany March 10, 1931
13 Claims. (Cl. 261—18)



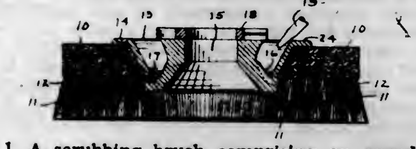
1. In an apparatus for atomizing liquid fuels the combination of a float chamber provided with a fuel nozzle, a primary mixing channel into which said fuel nozzle opens, a plurality of main atomizers for multi-stage service, a plurality of charging conduits forming said stages, throttling means for successively controlling said atomizers, each of said atomizers having an injector slot connected to said primary mixing channel by a duct and being open on one side to the air and on the other side connected to one of said charging conduits, the size of the single fuel nozzle being such that its output is sufficient when all stages are open together, while when only some of the stages are open the excess output is compensated by additional air from the duct of the closed stages communicating with the air.

2,039,355
SPECTROSCOPIC MONOCHROMATOR
Armin Tschermak-Seysenegg, Prague, Czechoslovakia, assignor to the firm Carl Zeiss, Jena, Germany
Application June 29, 1934, Serial No. 733,150
In Germany July 5, 1933
4 Claims. (Cl. 88—14)



1. A spectroscopic monochromator, comprising a slit tube, an observation tube, a dispersing prism system disposed between these tubes, the said observation tube having an eye-lens for the observation of light rays coming from the prism system, a lateral aperture, a reflector slidably mounted on the observation tube so as to be moved into and out of the path of the light rays coming from the dispersing prism, this reflector being adapted to direct into the ray path of the eye-lens light rays coming from the said aperture, and means for sliding said reflector into and out of the path of the light rays from that prism system so that when the reflector is positioned in said path, the light rays from the prism system will be invisible to an observer viewing the light rays from that aperture and when the reflector is positioned out of said path, the light rays coming from said aperture will be invisible to a person viewing the light rays coming from the prism system.

2,039,356
RUG SCRUBBING BRUSH
Dave E. Smalley, Brazil, Ind., assignor to Continental Car-Na-Var Corporation, Brazil, Ind.
Application November 29, 1935, Serial No. 52,123
6 Claims. (Cl. 15—180)



1. A scrubbing brush comprising an annular body, bristles extending downwardly from the body, a liquid receiving member centrally of the body and a churning member centrally disposed of the first member, said last member having a lower outwardly flaring portion carried below said

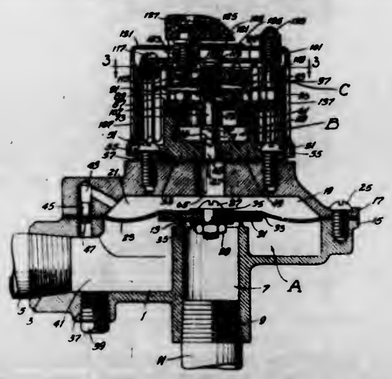
body and in close proximity to surrounding bristles and completing an annular chamber thereabove, said member having a plurality of discharging windows therearound opening toward the upper ends of said bristles under said body and vertical ribs between the windows, connecting the two members.

2,039,357
SIDE FRAME AND JOURNAL BOX
Harold K. Smith, Oak Park, Ill., assignor to The Symington Company, Rochester, N. Y., a corporation of Maryland
Application November 19, 1928, Serial No. 320,344
21 Claims. (Cl. 308—45)



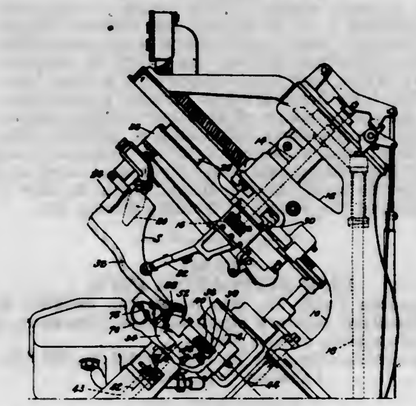
1. In combination with a journal box having an opening therein, a lid pivotally connected thereto for closing said opening, and outstanding flanges on said box adjacent the upper and side edges of said opening for preventing the entrance of foreign material into said box under said lid, said box roof rearwardly of the flange adjacent the upper edge of the opening sloping for the drainage of water.

2,039,358
THERMALLY OPERATED VALVE
John A. Spencer, Newtonville, Mass., assignor to General Plate Company, Attleboro, Mass., a corporation of Massachusetts
Application July 14, 1934, Serial No. 735,215
2 Claims. (Cl. 236—80)



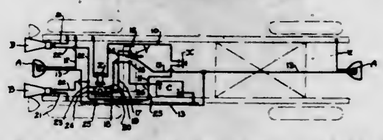
1. A thermally responsive diaphragm valve comprising a casing having inlet and outlet ports, a valve seat between said ports, a valve closure element adapted to seat on said valve seat, a flexible diaphragm carrying said closure element and separating said casing into a chamber including said inlet and outlet ports, and a second chamber, means providing a restricted passage connecting said chambers and a passage leading from said second chamber, a bleeder valve located in said second passage and adapted to control the relative fluid pressures in said two chambers, and temperature-responsive means for actuating said bleeder valve comprising a snap-acting thermostatic disc, said disc operating said bleeder valve in such manner that said bleeder valve passes substantially instantaneously between its fully opened and its fully closed positions.

2,039,359
FOXING CEMENTING MACHINE
Ernest W. Stacey, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 12, 1934, Serial No. 706,384
20 Claims. (Cl. 12—80)



1. In a foxing cementing machine, a nozzle formed of flexible material and having an elongated outlet opening, and means for supporting the outlet portion of the nozzle and engaging said nozzle at the ends only of the outlet opening.

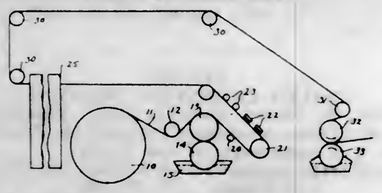
2,039,360
WARNING SIGNAL FOR VEHICLES
J. Wayne Staley, Mount Pulaski, Ill.
Application November 3, 1934, Serial No. 751,342
4 Claims. (Cl. 177—337)



2. In warning signal devices for vehicles having an audible signal and a visual signal, a circuit including a single source of energy, a three position double contact selector switch, and a single contact push button switch, said circuit being so arranged that when said selector switch is in neutral position the audible signal is adapted to be operated by said push button switch, said selector switch being adapted to be moved to a contact position to operate the visual and audible signals by operation of the push button switch, and when said selector switch is moved to another contact position, other than said neutral

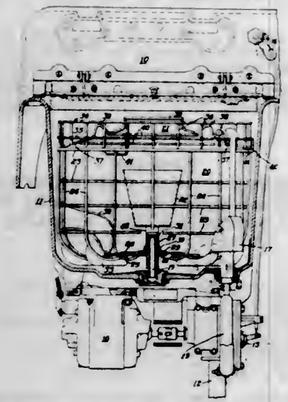
or first named contact positions, said push button switch being adapted to solely and simultaneously operate both visual and audible signals.

2,039,361
PAPER MANUFACTURE
Joseph Henry Swan, 3d, Middletown, Ohio, assignor to The Gardner-Richardson Company, Middletown, Ohio, a corporation of Ohio
Application May 15, 1933, Serial No. 671,085
7 Claims. (Cl. 91—68)



6. A paper product of the character described comprising a sheet having the surface thereof greaseproof, said sheet having a greaseproofing surface stratum thereon consisting of superimposed layers, said layers comprising a lower layer having high flexibility and forming a base coating for the reception of an upper coating, and an upper coating layer containing a cellulose ester material and greaseproof in its characteristics superimposed on said lower layer, said sheet and composite layer thereon being jointly flexible to withstand the effects of bending during use.

2,039,362
DISH-SUPPORTING RACK
Theodore Tafel, Jr., Ben Avon, Pa., assignor to Standard Sanitary Manufacturing Company, a corporation of New Jersey
Application October 16, 1931, Serial No. 569,212
4 Claims. (Cl. 141—9)



1. A dish-supporting basket comprising a series of vertically spaced concentric rings forming the framework of said basket, vertically extending members connecting said rings together and having their lower ends bent toward the center of said rings to form a bottom for said basket, and a sleeve member tying the inwardly extending ends of said members together and forming a center bearing for said basket, said sleeve having an annular flange projecting therefrom and a nut threaded thereon for clamping the ends of said members against said flange.

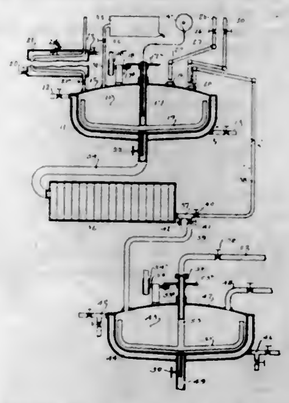
2,039,363
PREPARED RESIN
Charles A. Thomas, Dayton, Ohio, assignor, by mesne assignments, to Monsanto Petroleum Chemicals, Inc., Dayton, Ohio, a corporation of Delaware
No Drawing. Application June 17, 1930, Serial No. 461,807. Renewed February 17, 1936
6 Claims. (Cl. 260—2)

1. As a composition of matter, a light amber to brown synthetic resin comprising the interreaction and polymerization product of a mixture consisting essentially of an olefine and a diolefine, such resin being substantially free from activating agent and containing less than approximately 0.01 per cent ash, the resin being substantially non-acid in reaction, substantially completely insoluble in acetone and substantially completely soluble in benzol.

2,039,364
PROTECTIVE COATING
Charles A. Thomas and Carroll A. Hochwalt, Dayton, Ohio, assignors, by mesne assignments, to Monsanto Petroleum Chemicals, Inc., Dayton, Ohio, a corporation of Delaware
No Drawing. Application July 24, 1930, Serial No. 470,535
30 Claims. (Cl. 134—26)

1. A protective coating material comprising as ingredients thereof castor oil, a drying oil, and an unsaturated hydrocarbon substantially completely gasoline-soluble resin produced from a fraction of cracked petroleum distillate, the resin being substantially completely insoluble in alcohol and in acetone.

2,039,365
PROTECTIVE COATING MATERIAL
Charles A. Thomas, Dayton, Ohio, assignor, by mesne assignments, to Monsanto Petroleum Chemicals, Inc., Dayton, Ohio, a corporation of Delaware
Application February 25, 1931, Serial No. 518,132
18 Claims. (Cl. 134—26)



1. A protective coating material comprising a synthetic hydrocarbon resin formed from cracked petroleum distillate, the resin having an iodine value of at least approximately 175, being substantially completely soluble in benzol and gasoline, and substantially completely insoluble in alcohol and acetone.

2,039,366
COATING COMPOSITION
Charles A. Thomas, Dayton, Ohio, assignor to Dayton Synthetic Chemicals, Inc., Dayton, Ohio, a corporation of Ohio
No Drawing. Application November 24, 1934, Serial No. 754,615. In Canada September 11, 1931
10 Claims. (Cl 134—26)

1. A coating composition comprising a petroleum hydrocarbon solvent having dissolved therein the resinous reaction product of a drying oil and castor oil with a resin derived from a mixture of hydrocarbons comprising primarily a cyclic olefine, a diolefine and an alkyl benzene.

2,039,367
PREPARED RESIN
Charles A. Thomas, Dayton, Ohio, assignor to Monsanto Petroleum Chemicals, Inc., Dayton, Ohio, a corporation of Delaware
No Drawing. Original application November 10, 1930, Serial No. 494,692. Divided and this application July 15, 1935, Serial No. 31,440
24 Claims. (Cl. 260—2)

1. The reaction product of a pre-formed synthetic hydrocarbon resin, obtained by the polymerization of a cracked petroleum distillate, with castor oil, unmixed with a drying oil.

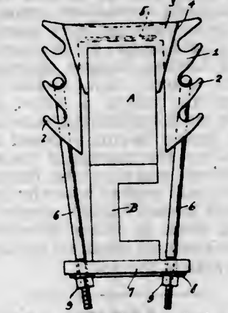
2,039,368
SCREW
Fred N. Tilton, Hartford, Conn.
Application October 26, 1934, Serial No. 750,029
7 Claims. (Cl. 85—46)



1. A wood screw having a body core of uniform diameter and a point core which is concave from the body core to the extreme tip, with a thread that has a constant maximum diameter on the body core and continues uniform, full and true on the point core to the tip.

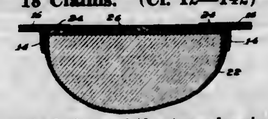
2,039,369
CLAMPING DEVICE
Celso Travani, Milford, Mass.
Application March 20, 1934, Serial No. 716,553
1 Claim. (Cl. 296—9)

In a clamp for clamping two members in superposed relation, a saddle arranged to rest upon one of the members and having depending arms lying along opposite sides of said member, said saddle being formed in its top with a channel, a U-shaped element having its bight portion seated removably in said channel and having its legs depending in spaced relation to said opposite sides, the outer side of each of said legs beings formed with notches defining upwardly and laterally outwardly directed vertically spaced ears, the lower



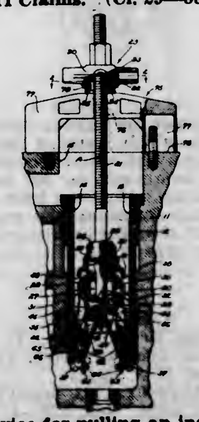
and upper sides of each ear being curved upwardly.

2,039,370
WELTING AND SHOEMAKING THEREWITH
William C. Vizard, Brockton, Mass., assignor, by mesne assignments, to Barbour Welting Company, Brockton, Mass., a copartnership composed of Perley E. Barbour, Walter G. Barbour, and Richard H. Barbour
Application April 6, 1933, Serial No. 664,722
18 Claims. (Cl. 12—142)



1. In a welted shoe of the type having an upper too short to overlast, a welt comprising a strand of welting material having one edge split transversely forming two flaps at said edge integral with the welt extension, said flaps being both turned substantially perpendicular to the welt extension for embracing said short shoe upper.

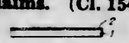
2,039,371
LINER PULLING DEVICE
Clarence White, Walnut Park, and Oliver B. Graham, Los Angeles, Calif., assignors to Oil Well Manufacturing Corporation, Los Angeles, Calif., a corporation of California
Application November 11, 1935, Serial No. 49,244
11 Claims. (Cl. 29—88.2)



1. In a device for pulling an insert sleeve from a bore, the combination of: a stem carrying a

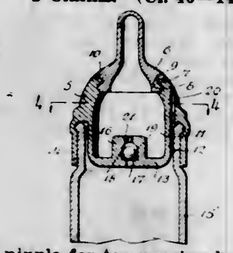
block adapted to be extended into said bore; means associated with said stem for moving said block longitudinally in said bore; relatively spaced upper and lower cam surfaces provided on opposite sides of said block; pullers having grasping portions and having hanger elements disposed between said spaced cam surfaces for travel thereon; a spring having a center portion connected to said block for limited movement relative thereto, said spring having opposed arms engaging said pullers for normally expanding said grasping portions laterally; and fulcrum portions engageable by said pullers whereby lateral movement imparted to said hanger elements by movement of said block in either direction is transmitted to said grasping portions for lateral expansion or contraction thereof.

2,039,372
INSULATOR
Paul Albert Wickmann, Berlin-Halensee, Germany, assignor of one-fourth to Sylvania Industrial Corporation, New York, N. Y., a corporation of Virginia
Application January 19, 1935, Serial No. 2,543
10 Claims. (Cl. 154—44)



1. As an article of manufacture, an insulator against light and thermal radiation comprising a sheet formed of a non-fibrous, organic, plastic material and having on its surface a multiplicity of particles of metal of atomic dimensions deposited in a layer having a granular structure, but giving the visible appearance of a continuous, lustrous coating, said layer of metal particles having the property of following the expansion, contraction and wrinkling of the sheet material without cracking or flaking off.

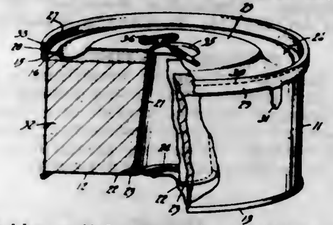
2,039,373
NIPPLE FOR NURSING BOTTLES
Marie Wittmann, New York, N. Y.
Application December 8, 1934, Serial No. 756,612
5 Claims. (Cl. 46—141)



1. In a nipple for toy nursing bottles, a hollow collapsible body which forms a liquid receiving chamber having a wall with but a single opening which constitutes an exit for air being expelled from said chamber when said body is collapsed, and which further forms an inlet to permit liquid to flow into said chamber and be retained therein as said body expands.

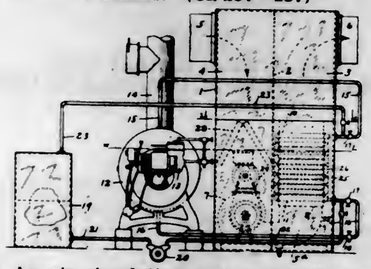
2,039,374
CONTAINER
John M. Young, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application August 1, 1934, Serial No. 738,007
5 Claims. (Cl. 220—1)

1. A can for cake mixture and the like comprising a body, ends connected with said body, and a heat conducting tube disposed inside of said body and extending between said ends, said ends closing the ends of said tube and one of said ends being adapted for removal from said body to open the can and the other of said ends being



adapted by partial removal to provide an opening communicating with the interior of said heat conducting tube so that the open can becomes effective as a baking vessel.

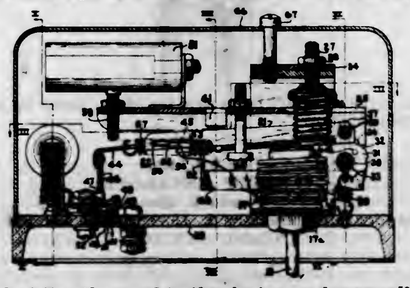
2,039,375
AIR CONDITIONING APPARATUS
Glenn F. Zellhoefer, Bloomington, Ill., assignor to Williams Oil-O-Matic Heating Corporation, Bloomington, Ill., a corporation of Illinois
Application March 29, 1934, Serial No. 717,927
2 Claims. (Cl. 257—137)



1. An air circulating system including an air intake compartment and an air discharge compartment leading to the respective circulating ducts of the system, a fan blower in the intake compartment, an air discharge duct leading therefrom into the discharge compartment, a plurality of small connected pipes arranged in a plurality of vertical rows and a plurality of rows horizontally arranged in the discharge compartment over which the air discharged from the fan blower passes on its way to the circulating ducts, a steam boiler, means connecting the upper horizontal row of pipes to the steam side of the boiler, and the lower horizontal row of pipes to the water side of the boiler for heating the air passed about said pipes, the end of each pipe in each horizontal row of pipes connected to a manifold with the upper and lower manifolds forming the said connecting means to the steam and water pipes, respectively, and the ends of the remaining manifolds connected to each other in pairs.

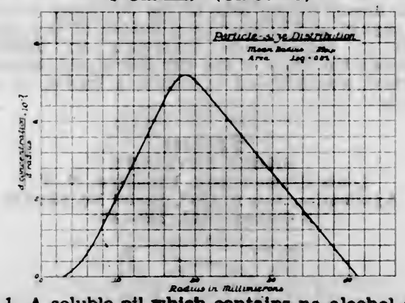
2,039,376
CIRCUIT CONTROLLING APPARATUS
Christian Aalborg, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 15, 1934, Serial No. 725,764
12 Claims. (Cl. 200—83)

1. In circuit controlling apparatus, the combination of a movable member, temperature-responsive means for actuating said member from one position to another, a movable circuit controlling device, a connection between said member and said device for imparting motion of the former to the latter in a snap acting manner, said connection including a bail pivoted in said member and a spring attached at one end to the bail



and at its other end to the device, and manually-operated means for moving the bail independently of the movable member, whereby the connection is rendered ineffective to impart motion to the device.

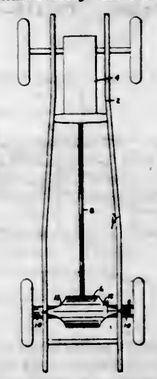
2,039,377
HARD WATER SOLUBLE OIL
Elmer Wade Adams, Hammond, Ind., and George W. Flint, Chicago, Ill., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application May 20, 1933, Serial No. 672,050
3 Claims. (Cl. 87—9)



1. A soluble oil which contains no alcohol and which will readily emulsify in extremely hard water and which consists essentially of a mineral lubricating oil having a viscosity of about 80–300 seconds Saybolt at 100° F. containing in solution about 8% to 40% of purified mahogany soap, a small amount of a preferentially water-soluble soap, and about 2.5% to 6.5% of water, the amount of water being sufficiently low to prevent separation of the soap when the soluble oil is exposed for an extended period to an ice bath.

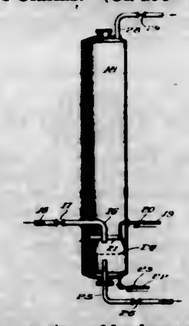
2,039,378
POWER TRANSMISSION
Charles J. Anderson, Jr., Jamestown, N. Y.
Application March 14, 1934, Serial No. 715,571
24 Claims. (Cl. 180—70)

1. In a motor vehicle having a frame, the combination of a power transmission having input and output shafts and adapted to transmit power from the input shaft to the output shaft in a succession of torque impulses produced within the transmission itself and at variable ratios of average torque, a housing for the transmission, means rigidly connected with the housing for increasing the moment of inertia of the housing about the center of gravity of the transmission and said means, and resilient means connecting the transmission to the frame, said last named means being sufficiently flexible to permit the



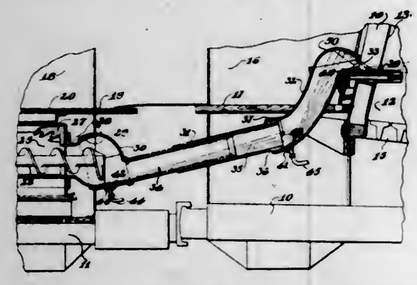
transmission to oscillate about said center of gravity to the maximum amplitude attainable under ordinary operating conditions without transmitting noticeable force to the frame.

2,039,379
CONVERSION OF HYDROCARBON OILS
Joseph G. Alther, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application October 3, 1932, Serial No. 635,921
Renewed April 2, 1934
11 Claims. (Cl. 196—58)



7. In the conversion of hydrocarbon oils wherein the oil is heated to cracking temperature under pressure while flowing in a restricted stream through a heating zone and the heated oil discharged into an enlarged reaction chamber maintained under cracking conditions of temperature and pressure; the improvement which comprises the following concomitant steps: introducing the heated oil to the chamber in a downward direction, filming cooling oil over the portion of the side walls of said chamber with which unvaporized conversion products normally contact, introducing additional cooling oil into the bottom of the chamber to flow in an upward direction, maintaining a pool of cooling oil in the bottom of the chamber, and withdrawing admixed cooling oil and unvaporized conversion products from the chamber at a point intermediate the bottom thereof and the point of introduction of the heated oil thereto.

2,039,380
BLAST FEED STOKER
Howard P. Anderson, Erie, Pa., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application August 2, 1929, Serial No. 383,139
10 Claims. (Cl. 110—101)



4. In combination, a firebox having a grate and a firing opening through one of its walls above said grate, a source of fuel supply, a conduit system extending forwardly from said source of supply and terminating in a mouth portion communicating with said firing opening, said mouth portion including an arcuate roof, a series of pressure fluid blasts for propelling the fuel through said conduit system onto the grate by direct impingement of the fluid against the fuel, the foremost blast of said series acting to project and spread the fuel in aerial paths over the fire onto said grate and rearward blasts propelling fuel through said conduit system to impinge the same against the roof of said mouth portion, the resultant angle of impingement of the fuel with said roof being such that the fuel is directed forwardly and downwardly into the zone of action of said foremost blast.

2,039,381
REDUCTION OF VISCOSITY OF CELLULOSE NITRATE
Nicholas Bacon, Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 22, 1931, Serial No. 570,503
14 Claims. (Cl. 260—148)

1. Process of treating cellulose nitrate comprising subjecting the cellulose nitrate in the undissolved state to the action of an ammonia solution to reduce the viscosity, treating same with an aqueous solution containing available chlorine, removing said solution, and boiling the cellulose nitrate in water, and repeating the last three steps.

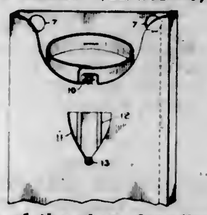
2,039,382
BUILDING CONSTRUCTION AND CLIP MEANS THEREFOR
Bruno E. Balduf, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application October 13, 1933, Serial No. 693,427
In France July 6, 1931
17 Claims. (Cl. 72—118)

1. In a building construction, a building frame, a flat metallic spring loop having a U-shaped flange formed on one end, means for attaching said flange to said frame, a second U-shaped flange formed on the opposite end of said spring loop a runner engaged by said second U-shaped flange, and a lightweight panel secured to said runner



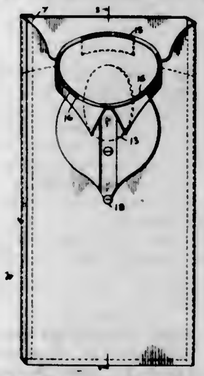
and spaced apart from said building frame by said resilient loop.

2,039,383
SHIRT ENVELOPE
Louis Blumenstock, Brooklyn, N. Y.
Application February 2, 1932, Serial No. 590,384
1 Claim. (Cl. 206—7)



A shirt slip of the class described comprising front and back spaced apart walls, said front wall cut away at the top to clear the collar of the shirt, the sides of said cutaway portion extending downwardly below the collar of the shirt, and means at the base of the cut-away portion to engage and hold the top button of the shirt, and in combination therewith an opening through the front of the slip below said cutaway portion also adapted to engage a button of the shirt.

2,039,384
SHIRT ENVELOPE
Louis Blumenstock, Brooklyn, N. Y.
Application July 9, 1932, Serial No. 621,730
3 Claims. (Cl. 229—87)



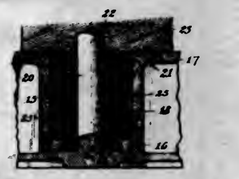
1. A shirt envelope of the class described including an enclosure cut away at the top of the front to allow for the protrusion of the shirt collar therethrough, and side members extending inwardly from opposite sides of said cut away portion adapted to pass under opposite sides of said collar, said side members hinged to said envelope along curved lines.

2,039,385
CONTAINER AND CLOSURE THEREFOR
Jacques R. Bonhomme, Montreal, Quebec, Canada
Application January 24, 1934, Serial No. 708,069
2 Claims. (Cl. 215—65)



1. A container provided with a top wall formed by inclined front and rear surfaces of substantial length and width, said surfaces sloping upwardly and inwardly to meet in a relatively long ridge, a bail straddling the top portion of said container and having terminals slidably and pivotally mounted in side recesses lying within the angle formed by the sloping surfaces and a cap member rotatably carried by the bight portion of the bail so that said cap member may be swung over the ridge to a position closing a filling opening in the front surface or to a position resting flatly on the rear surface, the latter surface and the adjacent rear sides of the recesses being relatively inclined to effect wedging engagement between the cap and the rear surface when the bail is swung to position the cap on said surface.

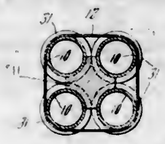
2,039,386
RUBBER PRODUCTS AND METHOD OF PRODUCING THE SAME
Andrew J. Borst, Jr., Buffalo, N. Y.
Application November 14, 1930, Serial No. 495,698
29 Claims. (Cl. 18—59)



1. An article of manufacture, comprising a resilient body having short lengths of strain-resisting elements embedded therein, all such strain-resisting elements trending in one direction, and a retainer element of different material applied exteriorly to a part thereof and flush with the exterior of the article to prevent the outward bulging of the resilient material of the body of the article under applied pressure.

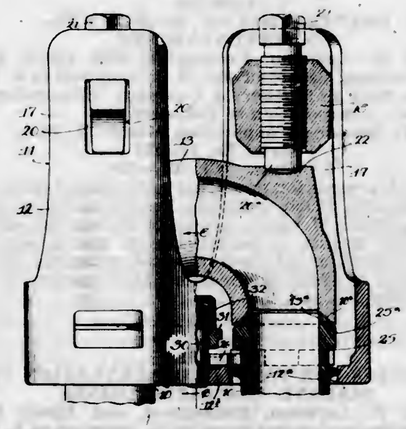
2,039,387
MULTIPLE CONDUIT SECTION
Edmund Burke, Portland, and John C. Sherman, Gorham, Maine, assignors to Brown Company, Berlin, N. H., a corporation of Maine
Original application October 7, 1926, Serial No. 139,975, now Patent No. 1,799,672, dated April 7, 1931. Divided and this application March 6, 1931, Serial No. 520,762. In Canada October 15, 1929
3 Claims. (Cl. 138—77)

1. As a new article of manufacture, a section of multiple conduit comprising a plurality of single conduits assembled in substantially parallel relation, and a mass of core material filling and limited to the space between the conduits for



a portion of their length and adhering to each conduit.

2,039,388
RETURN BEND FITTING
Ralph Burke, Springfield, Ohio, assignor to The Ohio Steel Foundry Company, Lima, Ohio, a corporation of Ohio
Application March 7, 1932, Serial No. 597,269
9 Claims. (Cl. 285—20)

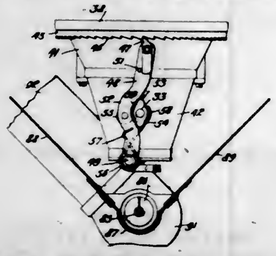


5. In a return bend fitting, a housing including a bottom wall having a pair of tube apertures at opposite ends thereof, a pair of tubes having enlarged shoulders at their upper ends adapted to be inserted in said apertures, locking means for said tubes comprising a pair of locking pieces detachably connected to the bottom wall of said housing and each having a pair of retaining portions at opposite ends adapted to engage beneath the shoulders of said tubes and restraining the latter from axial movement relative to said housing when in locked position, said housing also having side walls formed to hold said retaining portions against lateral movement while in locked position, but with recessed portions adapted to permit lateral unlocking movement of said retaining portions when the latter are loosened and moved bodily with said tubes axially of their respective tube apertures, a return bend piece fitting directly on the ends of said tubes and clamping means for said return bend piece detachably connected with said housing.

2,039,389
STOKER
Samuel G. Buskard, Richmond Hill, N. Y.
Application October 10, 1932, Serial No. 637,093
4 Claims. (Cl. 110—45)

1. In a stoker, the combination of a rotary fire pot, a screw conveyor for feeding fuel upwardly to the pot, an annular series of ratchet teeth on the rim of the pot, an upwardly extending lever

pivoted at one side of the pot and provided with a pawl for successively engaging the teeth, and



a tappet on the conveyor shaft for acting on the lever, whereby intermittent rotation is imparted to the pot.

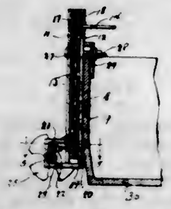
2,039,390
PREPARATION OF MONOALKYL-NAPHTHYLAMINES
Paul W. Carleton, Pennsgrove, and Edwin L. Mattison, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 23, 1934, Serial No. 717,076
7 Claims. (Cl. 260—128)

1. A process for producing a monoalkyl-naphthylamine, which comprises heating together, in the absence of water, alcohol or extraneous acid binding agents, a naphthylamine and a lower alkyl-halide at a temperature not exceeding 155° C., and finishing the reaction at a temperature between 140 and 155° C.

2,039,391
PROCESS FOR PARTIAL DEALKYLATION OF DIALKYL AROMATIC AMINES
Paul W. Carleton, Pennsgrove, and Edwin L. Mattison, Carneys Point, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 11, 1934, Serial No. 725,192
3 Claims. (Cl. 260—128)

1. A process for preparing a mono-alkyl-alpha-naphthylamine in which the alkyl group is such that it forms a volatile alkyl halide, which comprises heating the corresponding dialkyl-alpha-naphthylamine with hydrochloric acid at a temperature between 145 and 210° C. until the evolution of alkyl halide has substantially ceased.

2,039,392
BOAT PROPELLING MECHANISM
Cleveland L. Carroll, Owosso, Mich.
Application June 12, 1933, Serial No. 675,439
1 Claim. (Cl. 115—21)



A boat propelling mechanism comprising a vertically extending housing, means for attaching said housing to a side wall of a boat, an auxiliary housing projecting outwardly from the outer side of said first mentioned housing adjacent the bottom thereof, said outer side of said first mentioned housing forming a partition between said auxiliary housing and said first mentioned housing, a crank shaft projected at one end into said vertically extending housing adjacent its upper end, a sprocket wheel fixedly mounted on said crank shaft within said housing, a second shaft extending into said vertically extending housing and into said auxiliary housing, said shaft passing through said side of the vertically extending housing, a sprocket wheel fixedly mounted on said second shaft within the vertical extending housing, a sprocket chain connecting said sprocket wheels, a propeller shaft projecting outwardly from said auxiliary housing and extending parallel to the side wall of the boat, gearing located in said auxiliary housing and associated with said second shaft and said propeller shaft for effecting a rotation of said propeller shaft upon a rotation of said crank shaft, and said auxiliary housing serving as a lubricant chamber for said gearing.

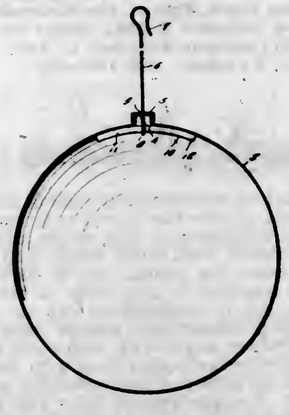
2,039,393
METHOD OF IMPREGNATING WOOD
Joseph R. Coolidge, Brookline, and John H. McCready, Newton, Mass.; said McCready assignor to said Coolidge
Application May 11, 1932, Serial No. 610,721
3 Claims. (Cl. 21—12)



1. That improvement in methods of pressure impregnating articles of wood, and the like, which consists in passing said articles successively through a liquid impregnating bath in which a high pressure is maintained, holding said high pressure on a portion of said bath by maintaining a hydrostatic column of liquid in communication with said high pressure portion, and conveying said articles through said column.

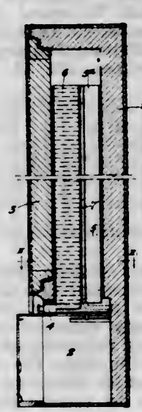
2,039,394
CHRISTMAS TREE ORNAMENT
Emma C. Dalton, Nashville, Tenn.
Application July 16, 1935, Serial No. 31,677
3 Claims. (Cl. 24—73)

1. A Christmas tree ornament hanger device of the class described comprising a short length of soft resilient rubber forming a bar, and flexible



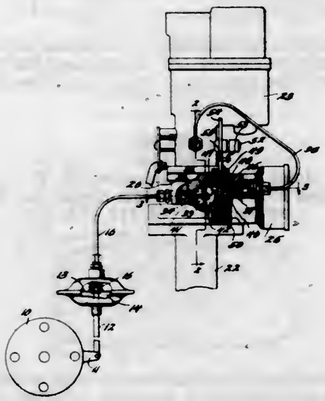
hanger and suspension means attached to the intermediate portion thereof.

2,039,395
COIN FREED VENDING MACHINE
Henry Guy Dalton, London, and James Woodrow Smith, Richmond, England, assignors to Turner & Newall Limited, Rochdale, England, a British company
Application October 2, 1934, Serial No. 746,594
In Great Britain January 2, 1934
8 Claims. (Cl. 62—91.5)



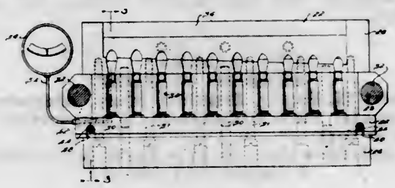
7. In a coin freed vending machine, a casing having a goods removal opening, walls defining within said casing a compartment for the goods, a carbon dioxide container having an opening for the escape of carbon dioxide gas, and a secondary refrigerant containing chamber interposed between the goods compartment and the walls of the casing and spaced from the walls of the casing to form passages, said passages leading from the carbon dioxide container opening to the goods removal opening so that gas evolved from carbon dioxide within the carbon dioxide container may flow to the goods removal opening and by its pressure prevent entry of air through said goods removal opening into the casing.

2,039,396
GOVERNOR
Rex C. Darnell and Herman G. Adler, Detroit, Mich., assignors to Handy Governor Corporation, Detroit, Mich., a corporation of Michigan
Application September 30, 1933, Serial No. 691,722
23 Claims. (Cl. 123—117)



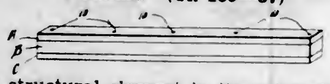
1. In an internal combustion engine, in combination, an intake manifold, a manual throttle therein, an automatic governor throttle in the manifold on the engine side of the manual throttle, an ignition device for said engine, vacuum operated means for adjusting said ignition device to advance the time of sparking, a vacuum takeoff in said manifold adjacent each throttle and means to connect either takeoff to said vacuum operated means.

2,039,397
METHOD OF FORMING TAPPETS
Joseph L. Dostal, Flint, Mich., assignor to Eaton-Erb Foundry Company, a corporation of Michigan
Original application September 28, 1929, Serial No. 395,949. Divided and this application July 17, 1933, Serial No. 680,774
6 Claims. (Cl. 22—213)



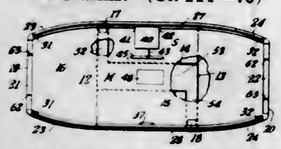
6. In the continued production of cast iron articles having a relatively soft machinable portion and a chilled portion by repeatedly casting molten cast iron, of a type adapted to form white cast iron when chilled, in a metallic mold having a separate chill plate for said chilled portion, the steps of maintaining the temperature of the mold at a sufficiently high value to prevent chilling of the surfaces of the article formed thereby, and artificially cooling said chill plate to maintain the temperature thereof sufficiently low to insure chilling of the surface of the article formed thereby.

2,039,398
PRESTRESSED BEAM AND METHOD OF MANUFACTURE
Edward R. Dye, Bozeman, Mont.
Application October 11, 1934, Serial No. 747,969
7 Claims. (Cl. 189—37)



1. A structural element in its uninstalled, no-load condition having the uppermost fibres tensioned and the lowermost fibres compressed.

2,039,399
VESSEL
John Englis, Manhasset, N. Y.
Application February 19, 1932, Serial No. 593,976
16 Claims. (Cl. 114—70)



5. In a vessel, the combination with a hull, of a deck for said hull free to carry vehicles, transversely extending bulkheads in said hull to form end compartments, longitudinally extending bulkheads connected to said transversely extending bulkheads and spaced from one another to form a central compartment, a short transverse bulkhead extending from one end of one of said longitudinally extending bulkheads toward the side of the vessel, a second short transverse bulkhead extending from the other end of the other longitudinal bulkhead toward the other side of the vessel, said short transverse bulkheads forming with said longitudinal bulkheads two lateral passages from said central compartment, a propeller at each end of said vessel, an internal combustion engine in said central compartment operatively connected to said propellers, openings in the deck of said vessel at either side to the lateral ends of said lateral passages, covers for said openings, means for supporting said covers at an angle to direct a draft into one lateral passage through said central compartment and out through said other lateral passage, railings along each side of said vessel, and openings formed in said railings registering with the mouths formed by said covers.

2,039,400
BEARING SUPPORT
Gilbert H. Fagley, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application April 10, 1934, Serial No. 719,901
2 Claims. (Cl. 308—2)



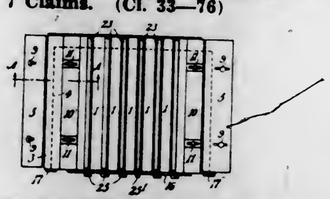
1. In a contact making voltmeter, in combination, a contact beam pivot shaft, a supporting structure having aligned holes, a bearing for one end of said shaft inserted in one of said holes, a member extending laterally with respect to said shaft, means inserted in the other one of said holes for supporting said member, a bearing for the other end of said shaft, and a blade spring fastened to the free end of said laterally extending member for supporting the last mentioned bearing.

2,039,401
AUTOMATIC SEALING DEVICE
Georg Foges, Prague, Czechoslovakia
Application February 9, 1932, Serial No. 591,844
In Germany February 11, 1931
8 Claims. (Cl. 154—46)



4. A mass for automatically sealing punctures, perforations, and the like caused by foreign bodies in walls of enclosures of fluid media, comprising hypermasticated, dead rolled rubber and mineral oil plasticizers, like spindle oil, of higher than petroleum fractions in proportion of between 18 and 35 percent, in combination with an envelope of vulcanized rubber, said sealing mass having greater adhesive power with respect to the material of the foreign bodies than with respect to the vulcanized rubber of said envelopes, and having tensile strength greater than the adhesive power to the foreign bodies, whereby part of the sealing mass adheres to a foreign body entering it, and without parting from its connection with the remaining sealing mass, is drawn along by the foreign body when leaving beyond the envelope to an extent where it separates from the foreign body and forms a plug with a mushroom-like head in, respectively over, the puncture or perforation.

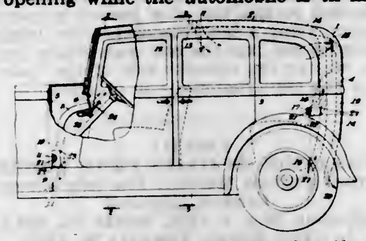
2,039,402
APPARATUS FOR CUTTING FLAT GLASS
Joseph Gaskell and James Bonar Watt, St. Helens, England, assignors to Pilkington Brothers Limited, Liverpool, England
Application December 23, 1933, Serial No. 703,685
In Great Britain January 3, 1933
7 Claims. (Cl. 33—76)



1. Apparatus for cutting and trimming the edges of flat glass comprising in combination at least one table, a pivotal mounting permitting the table to occupy either a nearly horizontal position or a nearly vertical position, a fixed stop for retaining on the table the main portion of the glass and stops for retaining the cut off edge portions, movable to release the said portions when the table reaches its nearly vertical position.

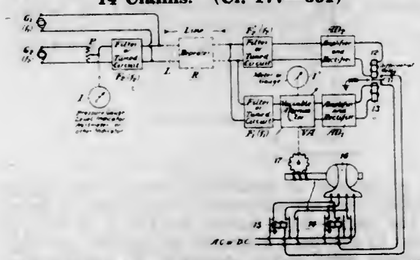
2,039,403
AUTOMOBILE VENTILATION
Lillian H. Gillette, Ossining, N. Y.
Application October 6, 1933, Serial No. 692,459
6 Claims. (Cl. 98—2)

1. An automobile having its body provided with an interior ceiling and walls, said ceiling having an exit, an exterior top and walls, a duct located between said ceiling and top extending rearwardly from said exit, said duct turning at the rear of the body and extending between said interior and exterior walls downwardly to the bottom of the body, the terminal of said duct at the bottom of the body having an opening located beneath and facing the front of the body, and the air entering said opening while the automobile is in motion



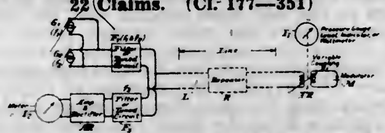
being conducted toward and entering the body through said exit.

2,039,404
REMOTE METERING SYSTEM
Estill I. Green, East Orange, N. J., and Warren H. Tidd, White Plains, N. Y., assignors to American Telephone and Telegraph Company, a corporation of New York
Application March 21, 1933, Serial No. 662,002
14 Claims. (Cl. 177—351)



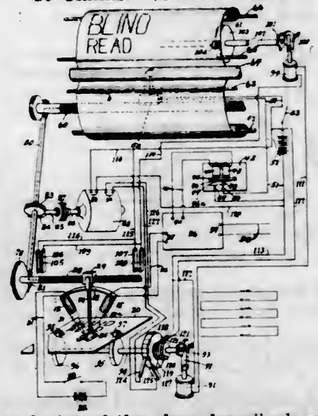
1. In a remote indicating system, the method of producing at a distant point an indication of the magnitude of a quantity existing at some other point which consists in producing between currents having different characteristics a current magnitude relation which depends upon the magnitude of said quantity, transmitting said currents to said distant point and utilizing the magnitude relation between the received currents to produce an indication of the magnitude of said quantity.

2,039,405
REMOTE METERING SYSTEM
Estill I. Green, East Orange, N. J., and Warren H. Tidd, White Plains, N. Y., assignors to American Telephone and Telegraph Company, a corporation of New York
Application March 21, 1933, Serial No. 662,003
22 Claims. (Cl. 177—351)



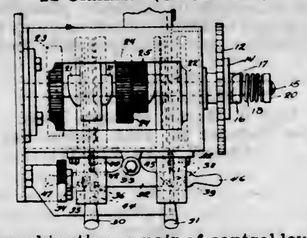
1. The method of producing at a distant point an indication of a quantity existing at some other point which consists in varying, at the point where said quantity is located and in accordance with the magnitude thereof, the amplitude of current received from said other point, producing from said varied current a current of different characteristics but having the same variations, transmitting said current so produced to said distant point and utilizing the received current at said distant point to produce an indication of the magnitude of said quantity.

2,039,406
METHOD OF AND APPARATUS FOR OPERATING INTELLIGENCE SYSTEMS
Elmer L. Greensfelder, Baltimore, Md.
Application January 2, 1931, Serial No. 506,111
10 Claims. (Cl. 197—6.1)



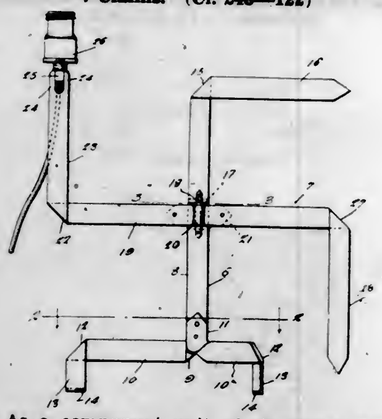
8. In a device of the class described, an object to be scanned, a scanning device including a light sensitive cell, an exciting lamp and a movable support, recording mechanism, a flexible metallic record, and means for simultaneously moving said scanning device and recording mechanism in definite timed relation to each other whereby a record composed of a series of raised perforations or dents in actually the same configuration as that of matter on the page to be scanned will be produced caused by the variations in color or intensity of light reflected from the object being scanned.

2,039,407
INTERLOCKING CONTROL FOR CHANGE GEARS
Henry P. Grohn, Chicago, Ill., assignor to McClave-Brooks Company, Scranton, Pa., a corporation of Pennsylvania
Original application May 6, 1926, Serial No. 107,299. Divided and this application May 28, 1932, Serial No. 614,193
11 Claims. (Cl. 74—483)



1. In combination, a pair of control levers, each control lever having a neutral position and one or more clutching positions in which it connects driving mechanism, a manually movable locking member extending transversely beyond the control levers at both sides, one of said extensions being a handle, said member and said levers having coacting surfaces, the surfaces having interengaging configurations so that the member has such interengagement with the control levers, that when either control lever is out of neutral position, the other control lever cannot be moved out of neutral position, without first moving the locking member by hand.

2,039,408
ADJUSTABLE LAMP SUPPORT
Karl Harz, Ridgewood, N. J.
Application November 12, 1935, Serial No. 49,393
7 Claims. (Cl. 248—122)



2. As a component unit of structural assemblage of the class described, a lamp carrier and adapter fixture comprising an elongated flat strip of metal provided intermediate its ends with an attaching and hinging bearing, the strip being bent upon itself and extended at right-angles to the body portion at one end thereof to provide a depending operating handle, the opposite end of the strip being bent upon itself and extended at rightangles in a direction opposite said handle and fashioned at its free end to accommodate a lamp socket and cord.

2,039,409
EGG MATERIAL
Benjamin R. Harris and Marvin C. Reynolds, Chicago, Ill.
No Drawing. Application September 26, 1934, Serial No. 745,528
20 Claims. (Cl. 99—196)

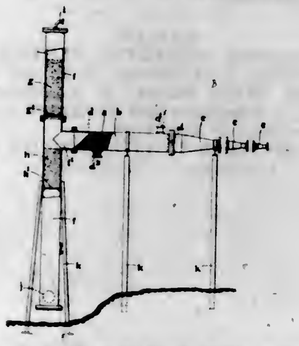
1. A composition consisting essentially of egg material, and a proportion of a higher fatty acid ester of a polyhydroxy substance wherein said ester has at least one hydroxy group, the hydrogen of which is replaced by a hydrophillic radical of a class consisting of sulphate, phosphate, sulphonic acid and hydrophillic nitrogenous radicals, devoid of choline, and innocuous salts thereof.

2,039,410
SLIDABLE CLIP
Carl C. Harris, Orange, Mass.
Application October 17, 1934, Serial No. 748,624
7 Claims. (Cl. 24—11)



1. As an article of manufacture, an implement casing with a hollow space at the top, a clip of spring material on the outside of the casing for attachment to the top of a pocket or the like, said clip having a leg extending down into said space from the top thereof, and means on the clip to engage the opposite side of the space for holding the clip frictionally in position.

2,039,411
SEPARATION OF GASES FROM LIQUIDS
Arthur Clifford Hartley, Finsbury Circus, London, England
Application May 9, 1932, Serial No. 610,112
In Great Britain February 26, 1932
13 Claims. (Cl. 183—114.5)



1. A method of separating gases from liquids in which they are suspended, consisting in dividing the liquid from which the gas is to be separated to flow in a plurality of narrow and substantially rectilinear streams, so determining the course and position of the streams that the minute bubbles of gas suspended in the liquid rise upwardly in direction at an angle to the direction of flow as the liquid and gas flow in the same direction, the bubbles of gas coalescing and accumulating in position above the surface of the liquid in the streams before the end of their course, and causing the streams at the end of their determined course to discharge and the gas to separate from the liquid.

9. Means for effecting the separation of gas from a liquid flowing in a pipe line, comprising a main conduit of such diameter that liquid flows therethrough in a turbulent stream, and a plurality of substantially rectilinear conduits long and narrow in cross-section set to form a compact nest in which the narrow conduits are closely disposed, the conduits in the said nest being disposed transversely to the vertical and so connected to the said main conduit that the liquid flowing through the main conduit enters and flows through the said nest, the pipe line having at a position immediately in front of the said nest a space within which the streams of liquid on emerging from the nest may discharge and the gas separate from the liquid, an outlet for the liquid discharged from the said nest and an outlet for the gas.

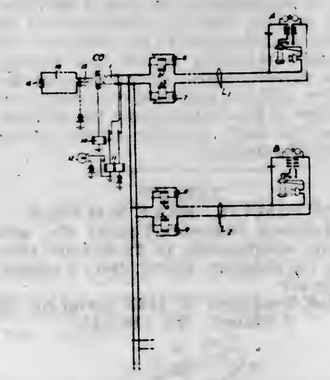
2,039,412
PROCESS FOR THE MECHANICAL PRODUCTION OF SHADING PLATES
Wilhelm Heise, Munich-Pasing, Germany
Application April 19, 1932, Serial No. 606,247
In Germany April 20, 1931
6 Claims. (Cl. 95—5)

1. A process of photographing opaque cartographic reliefs by reflected rays, comprising illuminating the relief with parallel light rays produced by a plano-convex lens covering the entire surface of the relief and subjecting a light sensitive surface to photographic exposure with parallel light rays thrown back from the so illuminated



relief, to thereby form a non-blurred, correctly toned negative, the parallel light rays thrown back from the illuminated relief being produced by the same plano-convex lens.

2,039,413
TELEPHONE LINE
Oliver Henderson, Cleveland Heights, Ohio, assignor to American Telephone and Telegraph Company, a corporation of New York
Application March 14, 1935, Serial No. 11,115
9 Claims. (Cl. 179—35)

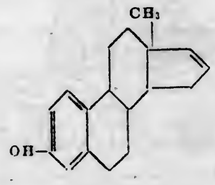


1. In a common battery telephone system, a switchboard, a plurality of station lines, a common line terminating at said switchboard and connecting said station lines in multiple thereto, a relay in series with each of said station lines, and a non-inductive resistance associated with each relay and adapted to be connected in shunt thereto when the relay is operated.

2,039,414
METHOD OF PRODUCING FOLLICLE HORMONE HYDRATES
Friedrich Hildebrandt, Hohen Neuendorf, near Berlin, Germany, and Erwin Schwenk, New York, N. Y., assignors to Schering-Kahlbaum A. G., Berlin, Germany
No Drawing. Application October 21, 1933, Serial No. 694,687. In Germany October 27, 1932
10 Claims. (Cl. 260—154)

1. The method of producing follicle hormone hydrates containing two neighboring hydroxyl groups which comprises transforming the reduction products of the follicle hormones, which contain one secondary alcohol group in the molecule, into the unsaturated phenols and treating the latter with an oxidizing agent capable of adding two hydroxyl groups to the double bond of said phenols.

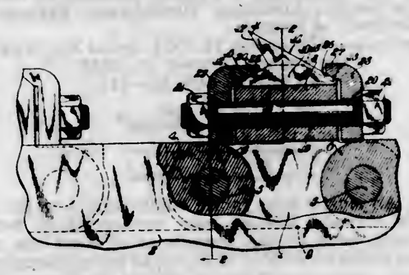
8. The unsaturated phenol having the following general structural formula:



2,039,415
PRACTICALLY TASTELESS QUININE COMPOUND AND PROCESS FOR THE MANUFACTURE OF SAME
Max Hoffer, Basel, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application July 25, 1935, Serial No. 33,124. In Germany August 18, 1934
6 Claims. (Cl. 260—26)

1. The 2,3-di-hydroxy-napthhalene-o-monoacetate of quinine, which crystallizes in needles melting at 195° C., the new compound being difficultly soluble in water, rather difficultly soluble in alcohol and having practically no taste.

2,039,416
CUTTER CHAIN
Morris P. Holmes, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application May 29, 1933, Serial No. 673,491
21 Claims. (Cl. 262—33)

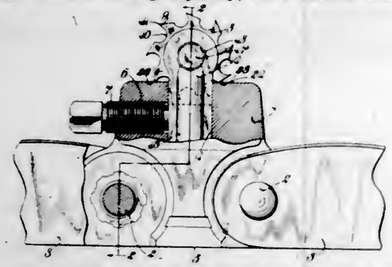


8. A cutter chain comprising a bit block having a longitudinal slot, a cutter bit receivable in said slot, and means for holding said bit in said slot including relatively adjustable holding elements arranged at the ends of said bit block and engaging opposite ends of said bit.

2,039,417
CUTTER CHAIN
Morris P. Holmes, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application May 29, 1933, Serial No. 673,492
18 Claims. (Cl. 262—33)

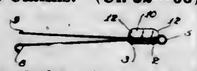
13. A cutter chain including a bit block having a socket, a cutter bit comprising an annular disc having a series of radially located cut-

ting teeth on its periphery, and means for se-



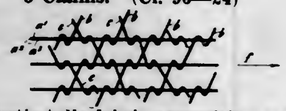
curing said bit in a relatively stationary position within the bit block socket.

2,039,418
DENTAL MATRIX
Floyd M. Hutchinson, Tiskilwa, Ill.
Application June 11, 1934, Serial No. 729,972
9 Claims. (Cl. 32—63)



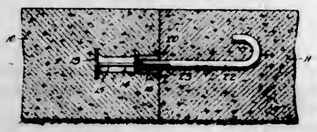
1. A matrix of thin sheet material adapted to be applied laterally against the tooth and a ligature of two strands engaged with the matrix adjacent its opposite ends for securing it to a tooth, one strand adapted to be extended around the tooth for binding the matrix against it and the other strand adapted to be extended upwardly from said engagements adjacent the opposite ends of the matrix and thence across the top of the tooth in contact therewith.

2,039,419
TULLE AND LACE COMPRISING MULTIPLE ELASTIC THREADS
Augustin Isaac, Lyon, France, assignor to Dognin-Société Anonyme, Villeurbanne, France, a company of France
Application September 24, 1934, Serial No. 745,329
In France October 12, 1933
5 Claims. (Cl. 96—24)



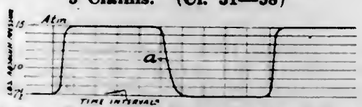
1. An elastic tulle fabric comprising a series of warp threads and at least one series of weft threads, each of the threads of at least one of these series consisting of at least two independent elastic elementary threads merely juxtaposed to each other.

2,039,420
METHOD OF CONSTRUCTING, REPAIRING, AND WIDENING CONCRETE ROADS
John Warren Isett, Hinsdale, Ill.
Application July 29, 1935, Serial No. 33,682
6 Claims. (Cl. 94—4)



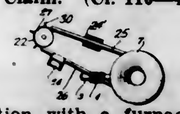
1. The method of constructing concrete roads which comprises embedding a plurality of non-protruding anchoring devices in the side of one section of concrete at the time the concrete is poured, attaching tying devices to said anchoring devices after the concrete has been formed, and pouring concrete to form an adjacent section and thereby embedding the tying devices secured to the first section.

2,039,421
PROCESS AND APPARATUS FOR MILKING
Ernst Tage Jansson, Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application November 16, 1933, Serial No. 698,258
In Sweden November 26, 1932
3 Claims. (Cl. 31—58)



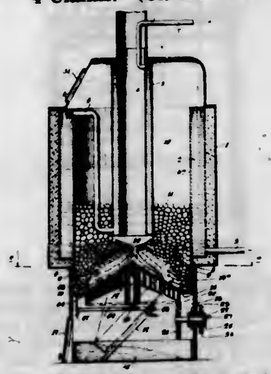
1. In a milking machine comprising a teat cup composed of a shell and within the shell an elastic liner providing a pneumatic pulsation chamber between the shell and the liner, an air conduit communicating with said pulsation chamber, a source of vacuum, and a pneumatic pulsator valve adapted to connect said conduit alternately with the source of vacuum and with the atmosphere and to maintain said connections for predetermined time periods; means providing a resistance to inflow of atmospheric air to said chamber substantially greater than the resistance to outflow of air from said chamber to the source of vacuum, said means comprising an air flow passage between the valve chamber of the pulsator and the atmosphere which is throttled relatively to the air flow passage in said conduit and the air flow passage from the valve chamber of the pulsator to the source of vacuum.

2,039,422
AUTOMATIC HEAT MACHINE
Allen J. Johnson, Delaware County, Pa., assignor, by mesne assignments, to Anthracite Heat Appliance Corporation, Dover, Del., a corporation of Delaware
Application December 29, 1933, Serial No. 704,486
1 Claim. (Cl. 110—45)



In combination with a furnace for burning solid fuel, a stationary tuyère pot, a stoker including a conduit with an inlet exterior of the furnace, an outlet adjacent said pot and a motor driven stoking mechanism within said conduit for feeding said fuel from said inlet to said pot, an ash pit arranged circumferentially of said pot and a ring rotatably mounted in said ash pit to collect the ash as it falls over the sides of said pot, said ring having circumferentially spaced projections thereon, a motor driven endless belt extending partially about the circumference of said ring, inlet and outlet conduits for enclosing said endless belt, said belt being provided with spaced members for engaging the projections on said ring to rotate the latter and to force the accumulated ash into the outlet conduit and through an outlet therein to a remote point for dumping, said belt and its spaced members being adapted on their return movement to feed fuel let in at a remote point into the inlet conduit and out thereof into the inlet of the conduit enclosing said stoking mechanism, said endless belt and said stoking mechanism being driven independently of each other.

2,039,423
COMBUSTION HEATER
Allen J. Johnson, Primos, and Paul A. Mulcey, Philadelphia, Pa., assignors, by mesne assignments, to Anthracite Devices Corporation, Dover, Del., a corporation of Delaware
Application March 25, 1935, Serial No. 12,850
4 Claims. (Cl. 110—29)



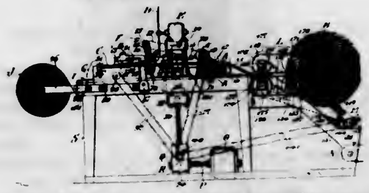
4. In a combustion device for solid fuel, a vertical annular jacket, a fuel support having an inwardly and upwardly inclined surface extending into the lower portion thereof, a fuel storage chamber above said support provided by said jacket, a base surrounding said fuel support extending approximately to the level of the top thereof and supporting said jacket, said base having circumferentially arranged restricted air inlets constituting the sole means of air supply and arranged at a level above and in proximity to the adjacent outer edge of said fuel support, a draft inducing stack, the lower portion of which is vertical and mounted in said jacket above the level of said air inlets and above and in close proximity to the fuel bed therebeneath and also substantially directly above the level of the inclined surface of said fuel support, said base being substantially sealed from admission of air below said fuel support.

2,039,424
SANITARY CONTAINER
Harold Juba and John Furey, Nyack, N. Y.
Application February 13, 1935, Serial No. 6,362
1 Claim. (Cl. 229—5.7)



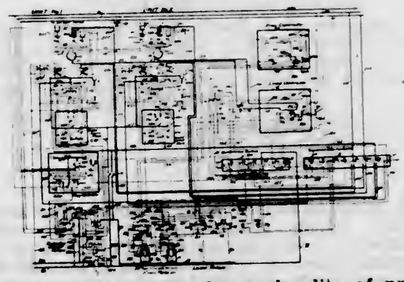
A container of the class described comprising a body having a closed upper end and a lower open end, inner and outer annular rows of recesses in the top part of the body for permitting the top part to be separated from the rest of the body, and means for closing the lower end of the body.

2,039,425
MACHINE FOR MAKING SANITARY NAPKINS
August P. Jurgensen, Atlantic City, N. J., assignor to The De Long Hook and Eye Company, a corporation of Pennsylvania
Application June 17, 1933, Serial No. 676,343
20 Claims. (Cl. 154—29)



1. In a machine for making sanitary napkins, the combination of means for feeding a continuous strip of absorbent material, means for transversely severing pads from the forward end of said strip of absorbent material, means for feeding a continuous strip of gauze in a direction opposite to the direction of feed of said strip of absorbent material and substantially parallel thereto, positively acting means for conveying said pads and depositing the same lengthwise of said strip of gauze and at intervals thereon, means for folding the edges of said strip of gauze about said pads, and means for severing said strip of gauze between the enfolded pads.

2,039,426
APPARATUS FOR CONTROLLING PRIME MOVERS
Samuel Logan Kerr, Philadelphia, Pa.
Application March 26, 1931, Serial No. 525,355
39 Claims. (Cl. 290—4)

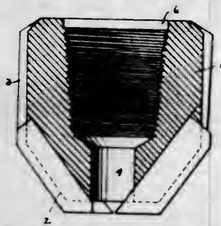


1. A control system for a plurality of prime mover operated alternating current generating units connected in parallel comprising, in combination, means for operating a unit on load and another on condenser, and means for transferring the condenser unit to load automatically at points of load for effecting economic load distribution between the units.

2,039,427
MILLING CUTTER
Frank Kinzbach, Houston, Tex.
Application October 31, 1933, Serial No. 696,013
3 Claims. (Cl. 29—105)

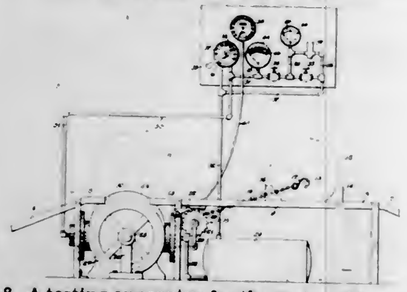
3. A milling tool comprising a substantially cylindrical head and being externally beveled at its upper end, said head having an approximately

axial water course therethrough and being threaded at its upper end for the connection of a driving member thereto, the lower end of said head being tapered, forming an annular beveled face, a series of side-cutting blades on the cylindrical portion of the head whose upper ends are beveled and whose lower ends overlap said beveled face, the overlapping portions of said blades being beveled to correspond to the bevel of said face, a series of cutting blades on said beveled face and staggered with respect to the side-cutting blades,



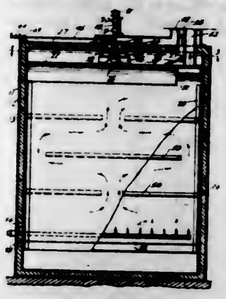
the upper ends of said end cutting blades overlapping the lower portion of the cylindrical surface of the head, said overlapping ends of said end blades being beveled, all of said blades having flat outer surfaces which terminate in cutting edges at the forward margins of the blades, the lower portions of the end cutting blades extending approximately radially across the lower end of the head, the inner portions of the end cutting blades lying adjacent to form a complete shield around the lower end of the water course.

2,039,428
TESTING APPARATUS
Morgan J. Lewis, Philadelphia, Pa.
Application December 11, 1934, Serial No. 756,921
13 Claims. (Cl. 265—24)



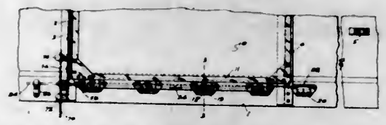
8. A testing apparatus for the motor of an automotive vehicle comprising an endless track adapted to receive thereon and to be driven by the traction wheels of the vehicle when such wheels are operatively connected to the vehicle motor, a dynamometer unit connected to said track and including a liquid pump; a liquid conduit connected to the outlet of said pump; a load-valve disposed in said conduit; and a power meter including a pressure pipe connected to said conduit and shunted around said load-valve and through which liquid is adapted to pass, regulating valve means disposed in said pressure pipe and operable in conjunction with said load-valve for effecting various impedances to the flow of liquid through said conduit and said pressure pipe and for effecting various pressures in said pressure pipe, and indicator means connected to said pressure pipe and responsive to the pressure therein as determined by positions of adjustment of said load-valve and of said regulating valve means for indicating the power output of the vehicle motor.

2,039,429
OVEN AND THE LIKE WITH HEAT CIRCULATING MEANS THEREFOR
Timothy Lydon, New York, N. Y.
Application April 16, 1931, Serial No. 530,592
6 Claims. (Cl. 34—19)



1. In combination, a shell having opposite side walls and a substantially horizontal bottom wall; an approximately horizontal thin heat conducting intermediate wall slanting upwardly from near the mid-part of said bottom wall to said opposite walls to form a heating chamber; heating burners in said heating chamber; ducts supplying combustion air to the lower part of said chamber; outlet means at the upper outer part of the chamber; a centrifugal fan in the interior of said shell near, and substantially axially perpendicular to said bottom wall, above the mid-part of the intermediate wall and adapted to throw air from the vanes against said intermediate wall; a partition extending above said fan having an intake opening at the axis of the motor; said slanting floor providing an unobstructed guide means for air from the tips of the fan blades to the respective flues; whereby air is evenly distributed substantially tangentially from said tips, free of eddies and free of lateral gravity components, whereby even distribution is maintained.

2,039,430
RAILWAY CAR SIDE DOOR
George G. Lynch, Wilmington, N. C.
Application March 6, 1933, Serial No. 659,717
11 Claims. (Cl. 20—22)

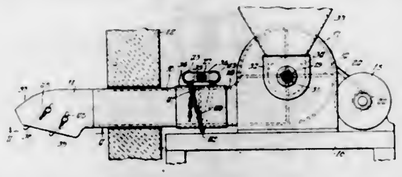


11. In a railway house car, in combination, a sliding door; means for supporting the door comprising a plurality of spaced brackets secured to said car, a member adapted to be frictionally engaged by the door and roller means carried by said brackets; and means for projecting said roller means into engagement with said door for elevating said door from said member.

2,039,431
STOKING DEVICE
William MacNerland, Chicago, Ill., assignor to Air-Zone Stoker Company, Chicago, Ill.
Application February 11, 1933, Serial No. 656,338
8 Claims. (Cl. 110—104)

1. The method of stoking a furnace having a grate which consists in the simultaneous delivery

of fuel and air uniformly over a narrow zone extending at all times the full length of the furnace and intermittently shifting said delivery zone lat-

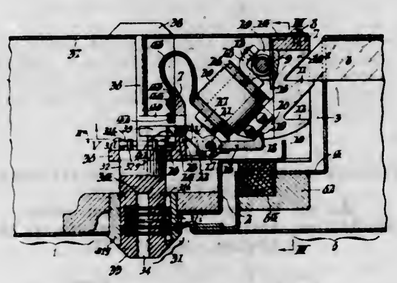


erally back and forth from side to side of the entire fuel bed.

2,039,432
METHOD FOR MAKING SULPHATES OF BARIUM AND CALCIUM
Jean McCallum, Ferguson, Mo., assignor to Titanium Pigment Company, Inc., New York, N. Y., a corporation of Maine
No Drawing. Application September 27, 1934, Serial No. 745,697
24 Claims. (Cl. 23—122)

1. A method for making pure, white and finely-divided sulphates of barium and calcium, which comprises melting a mixture of crude sulphate, a solvent salt of an element selected from the group consisting of alkali and alkaline-earth metals and a reducing agent, while maintaining the molten mass at temperatures to produce a free-flowing, low-melting slag containing the impurities of the crude sulphate and having a specific gravity higher than the purified sulphate melt, and separating the purified sulphate melt from the slag.

2,039,433
LOCK STRIKE
Howard McNeill, Philadelphia, Pa.
Application March 8, 1934, Serial No. 714,620
6 Claims. (Cl. 70—52)

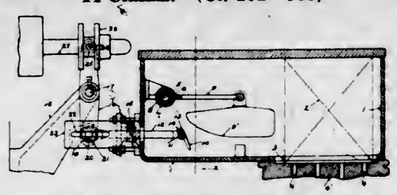


1. In door operating mechanism, a spring-urged keeper adapted to engage a projection on the door; a pivotal spring-urged holding member having a portion adapted to positively hold the keeper normally in active position and the other portion providing a tail; an electromagnetic device carried by the keeper with its pole proximate the holding member tail for actuating said member; and a manually operable switch whereby an electric circuit may be closed through the electromagnetic device to effect withdrawal of the holding member aforesaid.

2,039,434
ALKALINE EARTH METAL SALTS OF 2,4,5-TRICHLOROPHENOL
Lindley E. Mills, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Original application May 2, 1932, Serial No. 608,855. Divided and this application October 12, 1934, Serial No. 748,082
3 Claims. (Cl. 260—154)

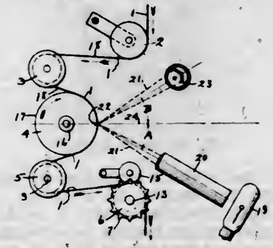
1. An alkaline earth metal 2,4,5-trichlorophenolate.

2,039,435
INKING MECHANISM FOR USE IN PRINTING MACHINES
Thomas Joseph Mills, Cecil George Quick, and Donald Arthur Ball, London, England, assignors, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application January 12, 1934, Serial No. 706,366
In Great Britain January 19, 1933
14 Claims. (Cl. 101—366)



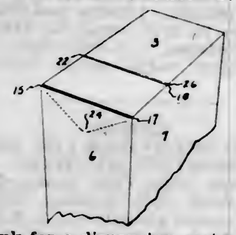
1. In an ink feeding system for a printing machine, a receptacle for ink, a conduit for supplying ink to the receptacle, a pumping system located within and adapted for forcing ink from the receptacle, and means arranged within the said receptacle and operating to advance ink in the receptacle to the pumping system.

2,039,436
SOUND REPRODUCTION DEVICE
Aston L. Moore, South Bend, Ind., assignor of one-half to The Martin Band Instrument Co., Elkhart, Ind., a corporation of Indiana
Application March 2, 1934, Serial No. 713,745
7 Claims. (Cl. 179—100.3)



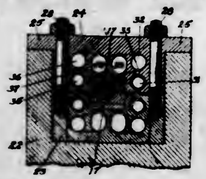
1. In a phonographic apparatus in which the sound record is formed on an elongated transparent flexible carrier, the combination of a roller the outer circumferential periphery of which is provided with a light reflective surface and past which the sound record is moved with the record side of said carrier in contact with said light reflective surface, a photoelectric cell positioned to receive light reflected from said light reflective surface of said roller, and means for directing light through the sound record onto the light reflective surface of said roller whence it is reflected to said photoelectric cell.

2,039,437
DISPENSING CARTON
Jack H. Moore, Cincinnati, Ohio, assignor to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio
Application August 8, 1933, Serial No. 684,230
9 Claims. (Cl. 229—17)



1. A blank for a dispensing carton divided into panels for the front, back, and two sides, four rectangular flaps for the top and four rectangular flaps for the bottom by suitable cuts and primary score lines, and having a section adapted to be broken open and folded back after said carton is assembled, said section being formed by secondary score lines extending across each of three top flaps so located that said secondary score lines will be superimposed on each other when the carton is assembled and will then be parallel to the top edge of a side panel, perforated lines along the primary score lines separating the front panel and back panel from their respective top flaps, said perforations extending from the end of each of said secondary score lines in said respective top flaps to the respective top corners of said side panel, and perforated lines extending from points near said corners of said side panel and within said side panel obliquely downward to a common point in said side panel, thus forming a V in the top portion of said side panel.

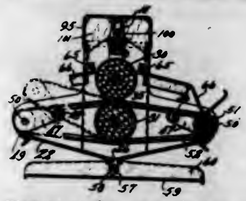
2,039,438
WIRE ROPE MACHINE
Archibald J. Morgan, Trenton, N. J., assignor to John A. Roebling's Sons Company, Trenton, N. J., a corporation of New Jersey
Application May 16, 1935, Serial No. 21,730
12 Claims. (Cl. 117—50)



1. In a rope making machine, in combination with means for laying up a rope, a squeezer through which the rope passes, a holder for said squeezer, said holder having a network of torfuous and connected passages therein surrounding the squeezer, and means for connecting said network with a source of cooling fluid.

2,039,439
WRINGER
Henry L. Morin, Holyoke, Mass.
Application July 26, 1933, Serial No. 682,217
12 Claims. (Cl. 68—32)

1. In a wringer mechanism, a frame, a pair of wringer rolls mounted in said frame, the upper roll being removable, a cap member, means for releasably locking the cap member to said frame, a spring means urging the upper roll toward the lower roll, a shaft, a cam on said shaft and positioned between the cap member and spring to control the pressure exerted on the upper roll by



said spring means and a second cam on said shaft for releasing the cap member locking means, the relative position of said cams being such that said second cam operates when the spring pressure is substantially relieved by the first cam.

2,039,440
TREATMENT OF HYDROCARBON GASES
Jacque C. Morrell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application August 31, 1932, Serial No. 631,178
9 Claims. (Cl. 196—10)

1. A process for the treatment of gaseous hydrocarbons containing olefin hydrocarbons, which comprises subjecting the gaseous hydrocarbons in the presence of an added hydrogen halide and in the absence of any substantial quantity of normally condensable hydrocarbon vapors to the action of a metallic salt in aqueous solution.

2,039,441
TREATMENT OF HYDROCARBON GASES
Jacque C. Morrell, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application January 19, 1933, Serial No. 652,575
7 Claims. (Cl. 196—10)

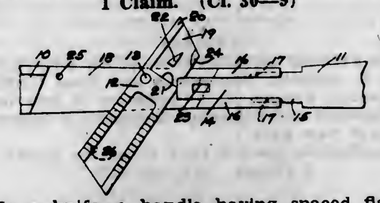
7. A process for the treatment of olefinic gases to polymerize the gaseous olefin hydrocarbons and convert the same into liquid hydrocarbons, which comprises subjecting the said gases in the absence of any substantial quantity of normally condensible hydrocarbon vapors to the action of an aqueous solution of zinc chloride at a temperature and pressure such that the zinc chloride is in aqueous solution during the polymerization of the olefins.

2,039,442
PROCESS AND DEVICE FOR THE HANDLING OF PLANTED SEEDS
Marion R. Mulford, Lebanon, Ohio
Application April 2, 1935, Serial No. 14,280
19 Claims. (Cl. 47—37)



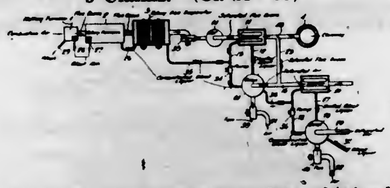
1. A package for seeds comprising earth, seeds planted in predetermined relationship therein, a container for said earth, means for holding said seeds and earth in predetermined relationship during the shipment of said package, and means in connection with said container for maintaining a body of water in contact with said earth.

2,039,443
SURGICAL KNIFE
John J. Ogden, Memphis, Tenn.
Application January 17, 1934, Serial No. 706,910
1 Claim. (Cl. 30—9)



In a knife, a handle having spaced flanges extending inward from an end of said handle, and establishing a channel adapted to receive and position a complementary blade-shank, the proximate faces of less than half the length of said flanges adjacent the end of the handle being grooved; ejector means pivotally secured to said handle, said means having a blade-seat portion adjacent the inner end of and substantially flush with the bottom of said channel, a blade engaging lug projecting above said seat-portion, and blade-lug disengaging means adjacent said blade-seat end, said ejector being manually movable about said pivot, to advance said disengaging means laterally toward said channel line.

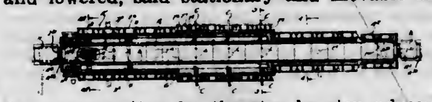
2,039,444
METHOD OF CONCENTRATING LYES OBTAINED IN THE CELLULOSE INDUSTRY
Erik Öman, Stocksund, and Hans Elis Abraham Göth, Stockholm, Sweden, assignors to Industrikemiska Aktiebolaget, Stockholm, Sweden, a corporation of Sweden
Application February 21, 1931, Serial No. 517,544
In Sweden February 21, 1930
8 Claims. (Cl. 23—48)



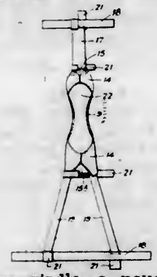
1. Method of concentrating lyes obtained in the cellulose industry, such as sulphate and sulphite cellulose, which, in combination consists in transmitting the heat of flue gases from furnaces by indirect heating to the lyes until the temperature of said gases falls below the saturation temperature thereof, while maintaining the concentration of the indirectly heated lyes generally unchanged, evaporating water from the lyes in evaporators by utilizing air in the operation and leading the resulting air and vapor mixture from the evaporators to aforesaid furnaces in order to utilize said mixture as combustion air therein.

2,039,445
TUNNEL KILN
Clifford H. Parmelee, Syracuse, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application April 20, 1935, Serial No. 17,420
20 Claims. (Cl. 25—142)

1. The combination in a continuous tunnel kiln having a horizontally elongated chamber and a bottom wall for said chamber comprising two or more longitudinally extending portions, each separated from another of said portions by a longitudinally extending bottom wall slot and the upper side of each of which provides a stationary supporting surface, of a vertically and longitudinally reciprocating goods advancing structure including a beam portion working in each such slot, the upper side of each such beam portion forming a movable supporting surface moved between a position above and a position below said stationary surface when said structure is raised and lowered, said stationary and movable surfaces cooperating for the step by step advancement of goods through said chamber, and one or more kiln heating units, each comprising an elongated combustion chamber formed in one of said portions and horizontally intermediate of those portions of said slot or slots which are respectively adjacent to the opposite sides of the first mentioned chamber, and means for supplying fuel and air for its combustion to, and for withdrawing products of combustion from said combustion chamber.



2,039,446
SANITARY GIRDLE
Cecil E. Pecknold, Vancouver, British Columbia, Canada
Application November 26, 1934, Serial No. 754,915
In Canada July 11, 1934
1 Claim. (Cl. 128—289)



In a sanitary girdle, a pouch member comprising a body having inwardly curved sides intermediate the ends of the body, said body at at the ends having laterally extended portions folded over and joined along their longitudinal meeting edges to form cross loops, the pouch member being wider across the loop at one end than at the other and provided with a pair of diverging strap receiving portions with a central unobstructed passage between said portions, the narrower end of the pouch member having a central strap receiving portion, and pouch sustaining straps secured in and to said portions, the central portion of the pouch member being substantially narrower than the end portions, whereby an absorbent pad held in said pouch member will overlap the said central portion to a substantial degree.

2,039,447
CLOSURE
Milton A. Pixley, Columbus, Ohio
Original application November 6, 1931, Serial No. 573,331. Divided and this application December 3, 1934, Serial No. 755,753
4 Claims. (Cl. 189—56)

1. A flexible closure member for an opening vertically adjustable between closed and open po-

sitions, said flexible closure member comprising a plurality of interlocking sections and including a built-up section, said built-up section comprising a frame member embodying a pair of main frame members extending transversely of the closure member, each of said main frame members having an edge which is curled in such a manner that it will interlock with a cooperating curled edge on the adjacent section, said main frame members being spaced apart so that a panel member which extends transversely of the closure member may be disposed therebetween, the lower main frame member being turned downwardly and rearwardly so that it will interlock with an upwardly and forwardly turned por-



tion on the upper edge of the adjacent section disposed beneath said built-up section, the lower main frame member being also bent in such a manner that a portion which is substantially V-shaped in cross section is formed extending substantially the entire length of said main frame member, said V-shaped portion extending downwardly to such an extent that it will overlap the upper portion of the adjacent section and the sharp edge thereof will be disposed at a point below the joint between the two sections to prevent entrance of water thereinto.

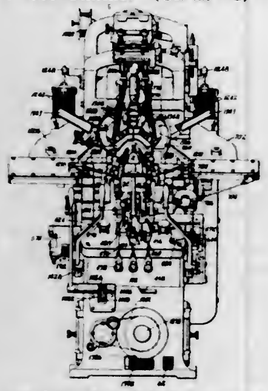
2,039,448

MACHINE FOR SHAPING SHOE UPPERS

Arthur F. Pym, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application July 28, 1934, Serial No. 737,399

226 Claims. (Cl. 12—4)



1. In a machine for shaping uppers over lasts, the combination with grippers for pulling an upper over a last positioned bottom downward, and means for working the marginal portion of the upper around the toe into lasted position against a lip of an insole on the last, of a device having an upper face for engaging the bottom face of the forepart of the insole to determine the position of the shoe and last heightwise when the work is initially presented to the machine, said device being constructed to engage the lip of the insole at the opposite sides of the forepart and to determine the position of the work laterally by such engagement with the lip.

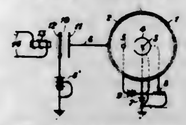
2,039,449

GAS-FILLED DISCHARGE TUBE SYSTEM

John P. Radcliff, Bloomfield, and Paul Griffith Edwards, Verona, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York

Application April 9, 1935, Serial No. 15,481

4 Claims. (Cl. 250—27)



1. A gas-filled discharge tube including cathode and anode electrodes within an envelope containing gas at low pressure, said cathode being of the solid heated thermionic emitting type, a circuit including a direct current source interconnecting said electrodes, the voltage of said source being below the breakdown voltage of said tube but above the voltage needed to sustain a discharge therein after breakdown, a third electrode external to said envelope, and means for causing a difference of potential to exist between said external electrode and one of said other electrodes whereby a continuous discharge may be started in said tube.

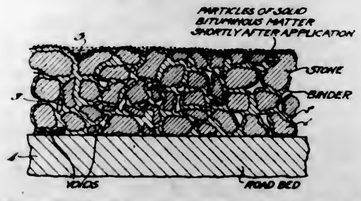
2,039,450

METHOD OF TREATING ROAD SURFACES

Edmund O. Rhodes, Pittsburgh, Pa., assignor to American Tar Products Co., Inc., a corporation of Delaware

Application April 10, 1931, Serial No. 529,068

7 Claims. (Cl. 94—23)



1. A method of preparing a road surface which comprises forming a surface layer containing bituminous binder material of relatively low stability and then spreading on the said surface layer solid particles consisting of solid material substantially entirely bituminous, adapted to coalesce substantially entirely with, and to increase the stability of, said surface layer in its upper portion by mixing with the said binder material in said portion of said layer.

2,039,451

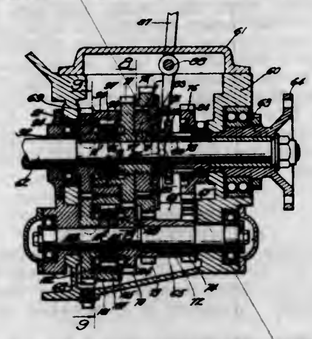
POWER TRANSMISSION MECHANISM

Carroll H. Richards, Stow, Mass.

Application March 11, 1933, Serial No. 660,399

4 Claims. (Cl. 74—337)

2. The combination of a rotatable driving shaft, a rotatable driven element, a countershaft, intermeshing gears fixed on said shafts, intermeshing gears rotatably mounted on said shafts, means for operatively connecting the gear rotatably mounted on said driving shaft with said driven element, means actuated in response to the torque ratio of said driving shaft and driven element for providing a driving connection between the gears fixed and rotatably mounted on said driving shaft and for disconnecting said driving connection, and means actuated in response to the torque ratio of said driving shaft and driven element for



providing a driving connection between the gears fixed and rotatably mounted on said countershaft and for disconnecting said driving connection, another pair of intermeshing gears one of which is fixed on said countershaft, and means providing a one-way driving connection between the other gear of said pair and the gear rotatably mounted on said driving shaft.

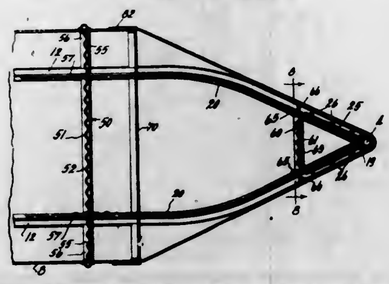
2,039,452

TANK TRAILER

Harold H. Robinson, Coral Gables, Fla., assignor to Curtiss Aerocar Company, Inc., Coral Gables, Fla., a corporation of Florida

Application June 18, 1934, Serial No. 731,046

5 Claims. (Cl. 280—5)



3. A semi-trailer tank vehicle which comprises, a tank shell, pairs of spaced spring mountings secured to the outside of the shell at opposite sides of the tank adjacent the rear end thereof, a combined tank and chassis frame enclosed within the tank shell, said frame comprising four vertical columns positioned one over each spring mounting, cross bracing members connecting the transversely opposite pairs of columns, and four rectangularly spaced longitudinal members, T-shaped in cross section, connecting the longitudinally opposite pairs of columns adjacent their upper and lower ends and extending from end to end of the tank, the forward ends of the longitudinal members being converged toward and connected to a prow post, the heads of said longitudinal members being welded to the inner surface of the tank shell.

2,039,453

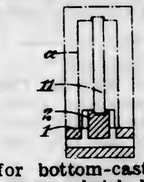
BOTTOM-CASTING HOLLOW INGOTS

George Robson, Johannesburg, South Africa, assignor to The Union Steel Corporation (of South Africa) Limited, Johannesburg, Union of South Africa, a South African company

Application October 8, 1934, Serial No. 747,451

In South Africa November 8, 1933

13 Claims. (Cl. 22—141)



1. Means for bottom-casting hollow ingots, comprising a runner-brick having holes in the upper surface thereof for passage of molten metal, a mold supported on the runner-brick, and an upstanding projection provided upon the runner-brick, said projection having its side faces so shaped as to fit within the mold to facilitate centering of the mold on the runner-brick and so as to form with the wall of the mold ducts above the holes in the runner-brick through which the molten metal enters the mold.

2,039,454

WEAVING OF FABRICS

Rudolf Rossmann, Gauting, near Munich, Germany, assignor to firm Tefag Textil-Finanz A.-G., Zurich, Switzerland

Application May 27, 1933, Serial No. 673,227

In Germany June 2, 1932

11 Claims. (Cl. 139—192)



5. In a loom for weaving, stationary shuttle boxes, shuttles, a lay, a reed supported by said lay, said reed having a plurality of claw-shaped members which point and open up in substantially the direction of the warp threads and form a tunnel-like channel having a rounded inside contour through which the shuttles can pass.

2,039,455

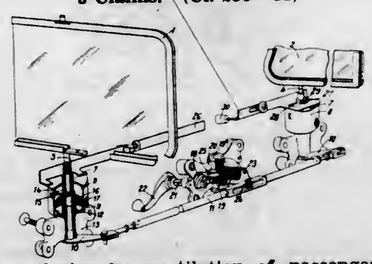
WINDOW FOR VEHICLE DOORS

Léon Saives, Billancourt, France, assignor to Louis Renault, Billancourt, France

Application October 26, 1934, Serial No. 750,217

In France June 15, 1934

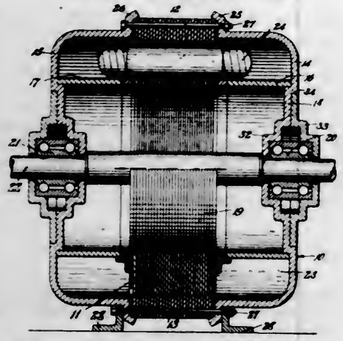
3 Claims. (Cl. 296—44)



1. A device for ventilation of passenger vehicles, comprising a door provided with two pivotable glass panes, two frames carrying said

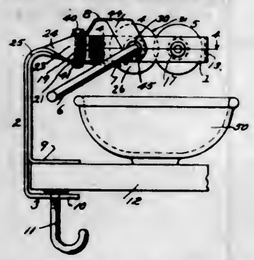
panes, two supports carried by said door, in each of which one of said frames may rotate about a vertical axis spaced from the front edge of each pane, two vertical axles for operating said frames, two levers for turning said axles, a rod connecting said levers, means for moving said rod, comprising a handle, and resilient means connected with said frame adapted for returning the latter to the position allowed by the axles after they have been manually shifted from said position.

2,039,456
ELECTRIC MOTOR UNIT
Amato N. Sammarone, Akron, Ohio
Application November 14, 1931, Serial No. 574,943
4 Claims. (Cl. 172—120)



1. In an electric motor structure, a stator comprising annular laminations with outwardly extended radial arms integral therewith and forming a plurality of slots therebetween, windings in said slots, a split removable ring contacting with said arms enclosing said windings in the slots and forming a return path for magnetic flux in said stator, end plates secured to said ring and adapted to wedge the ring into intimate contact with the outer surfaces of said arms, bearings in said end plates, a shaft carried by said bearings, a rotor supported within said annular portion by said shaft, and straight sleeves supported between the end plates and the sides of said stator in line with said annular portion thereof and isolating said windings from said rotor.

2,039,457
CUTTING MACHINE
Carl Schober, South Pasadena, Calif.
Application August 18, 1934, Serial No. 740,440
3 Claims. (Cl. 146—98)

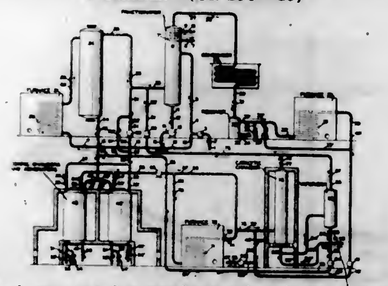


1. A cutting machine comprising a piece of metal strap, bent to form a frame, a supporting member for said frame and a clamp for clamping said supporting member on the edge of a table with said frame above the table, said piece of strap being bent first at right angles at two points to form the forward end member and the two side members of said frame, then bent inwardly together and upon itself to form the rear end frame members, then twisted and bent downwardly to form said supporting member for said frame, and the ends of the strap then being bent inwardly to form the clamp members of said clamp; cutting means mounted in said frame for cutting vegetables so that the cut vegetables will drop into a bowl on the table below said frame, a guard mounted on said frame over the rear part of said cutting means, and a single bolt extending through said guard and through said frame at the junction of said rear end frame members, and a nut on the threaded end of said bolt for securing said guard in position on said frame.

2,039,458
ALUMINIUM ALLOYS
Josef Schulte, Bonn-on-the-Rhine, Germany, assignor to Vereinigte Leichtmetallwerke Gesellschaft mit beschränkter Haftung, Bonn-on-the-Rhine, Germany, a corporation of Germany
No Drawing. Application March 1, 1935, Serial No. 8,808. In Germany March 2, 1934
2 Claims. (Cl. 75—142)

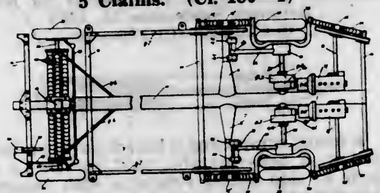
1. An aluminium alloy, which is age-hardenable by annealing, quenching and aging at room temperature, consisting of 3 to 5% of copper, 1.3 to 1.4% of magnesium, 0.4 to 0.7% of silicon and 1.25 to 1.45% of manganese, the remainder being aluminium.

2,039,459
PROCESS FOR TREATING HYDROCARBONS
Jean Delattre Seguy, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application December 14, 1932, Serial No. 647,976
6 Claims. (Cl. 196—49)



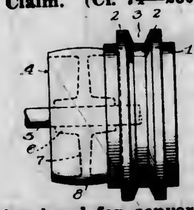
1. A process for producing low boiling liquids from heavy hydrocarbon oil which comprises cracking the oil in a cracking zone, separating the cracked oil into vapors and residue, treating such residue with air and steam at temperatures adequate to form a gaseous mixture containing carbon monoxide and hydrogen, introducing said mixture to an independent zone maintained under synthesizing conditions of temperature, pressure, and catalysis, synthesizing the carbon monoxide and hydrogen in said independent zone into condensible vapors under conditions controlled independently of the cracking zone, combining the vapors formed by the synthesis with those formed by the cracking, fractionating the commingled vapors to condense heavier fractions thereof and supplying resultant reflux condensate to the cracking zone, and finally condensing the fractionated vapors.

2,039,460
MOTORBUS CONSTRUCTION
Robert J. Smith, Baltimore, Md.
Application May 10, 1932, Serial No. 610,411
5 Claims. (Cl. 180—1)



2. In a motor bus power plant, a frame having side members and cross members, a tubular member extending from end to end of the frame and located centrally thereof and having transverse tubular members extending beyond the side members of the frame, a pair of driving wheels located between the transverse tubular members and the rear end of the frame, each wheel having a U-shaped frame, a pair of springs mounted on the ends of the transverse tubular members and attached at one end to a cross piece of the frame and at the other end to the wheel frame, a pair of springs located in the rear of the wheels and attached to cross members of the frame and at one end to the wheel frames, the rear springs converging toward a center of the frame at their rear ends.

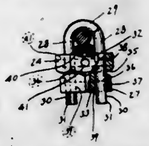
2,039,461
SLIP-ON BAND FOR V-BELTS
Jacob Lawerence Sparling, Bay City, Mich., assignor of one-half to Edwin W. Sims, Chicago, Ill.
Application June 2, 1933, Serial No. 673,954
1 Claim. (Cl. 74—230.17)



An attaching band for converting a standard stock flat or crown-faced pulley into one adapted to receive a V-belt, comprising a preformed cylindrical member provided with axially spaced annular projections on its exterior spaced longitudinally inward from the ends thereof, the inner sides of said annular projections being so relatively inclined as to form a V-groove, said body and said annular projections being constructed of a non-metallic material possessing inherent resilient flexibility, said body being so constructed and arranged as to be slipped onto the face of said pulley and retained thereon by its inherent resilient flexibility, said ribs being of sufficient thickness to resiliently maintain frictional contact with a V-belt while in engagement therewith.

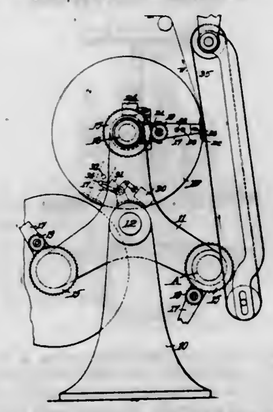
2,039,462
PROCESS OF CLAMPING WIRES AND WIRE CLAMP
Oscar J. Stonecipher, Taylorville, Ill., assignor of one-half to Adam Lang, Indianapolis, Ind.
Application June 24, 1933, Serial No. 677,414
16 Claims. (Cl. 173—273)

1. The process of multiply clamping a branch wire to a main "hot wire" through a single application and use of a single turning tool and a connector unit comprising a base, a nut and an opposed pair, curved hook construction comprising a pair of inverted J-hooks, the hook portions of the pair being spaced apart above the base and the other portions extending through the base for nut engagement, comprising suitably anchoring the branch wire to the connector base, the branch wire extending across the upper face of the base and substantially transverse to the spaced curved portions of the hook construction, associating the base and nut with the turning tool, positioning the branch wire and the base with the curved portions of the hook construction parallel to each



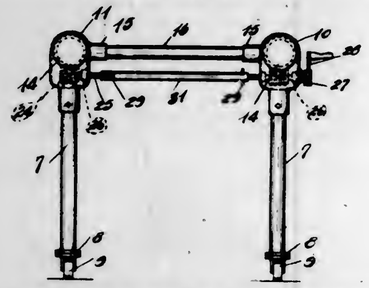
other and the main wire until the bottom of the main wire engages the top of the branch wire, turning the branch wire, base, hook construction and nut as a unit until the main wire is in substantial alignment with the branch wire and in side engagement with the elongated portions of the hook construction for preventing further turning of the base relative to the main wire, then disassociating the turning tool sufficiently to only free the base therefrom, then turning the tool and the nut relative to the base for clamping the wires together, and then completely dissassociating the turning tool from the nut.

2,039,463
WEB SPLICING DEVICE
Isidor Tornberg, Plainfield, N. J., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application August 25, 1932, Serial No. 630,357
5 Claims. (Cl. 242—58)



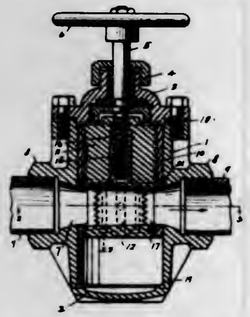
1. In a web splicing device, the combination with means for supporting a fresh web roll, of a pair of arms rotatably supported on the spindles supporting the web roll, positive means for rotating said arms at the same speed as that of the roll, a shield supported at its opposite ends by said arms and adapted to cover the pasted surface of the roll, and means whereby when a paster is to be made the shield can be rotated faster than the roll to expose the pasted surface.

2,039,464
APPARATUS FOR LOWERING AND HANDLING BURIAL VAULTS
Lloyd V. Troup, Saginaw, Mich.
Application February 15, 1935, Serial No. 6,659
2 Claims. (Cl. 254—136)



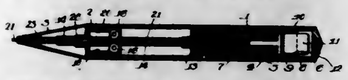
1. In an apparatus of the class described and comprising a wheeled sectional frame, including end and side bars, gear housings connecting said end and side bars, a shaft in each side bar and threaded to form a winding drum, a worm wheel on the end of each shaft, a worm shaft journaled in the housing, a worm mounted thereon and meshing with the worm wheel, a transversely disposed pin mounted in the worm shaft adjacent the end thereof, a hollow shaft connecting the worm shafts and provided with slotted end sections adapted to accommodate the transversely disposed pins, springs in said hollow shaft and bearing against said pins, slots in the side bars, and cables anchored to and wound on the threaded shafts and leading through said slots.

2,039,465
VALVE MECHANISM
Leon J. Vetrano, Houston, Tex.
Application March 6, 1933, Serial No. 659,711
6 Claims. (Cl. 251—68)



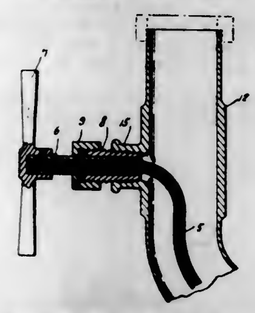
6. A valve mechanism comprising a valve casing having a passage for the advance of fluid therethrough, a controlling assembly in the casing composed of an inner support and a surrounding expansible sleeve on said support, said assembly having a tapering passage for fluid therethrough and being shiftable into one position to obstruct the flow of fluid through the casing and into another position to align said passages to permit such flow, said support and sleeve having spiralled, contacting faces which coact to expand the sleeve when the controlling assembly is moved to either final position, and means connected to the support for shifting said assembly.

2,039,466
PENCIL
John C. Wahl, Chicago, Ill., assignor to The Aldine Corporation, a corporation of Illinois
Application February 1, 1932, Serial No. 590,052
Renewed September 25, 1935
10 Claims. (Cl. 120—18)



1. A pencil comprising a barrel having a helical thread in a non-rotatable part therein, a gear support in said barrel rotatable with respect to said barrel about the longitudinal axis thereof, a gear mounted in said support to turn on an axis transverse to said longitudinal axis with its teeth engaging said helical thread on one side and its other side adjacent said longitudinal axis, means for guiding a lead along said longitudinal axis whereby it may be engaged by the teeth of said gear and caused to protrude from the tip of said pencil and means at the other end of said pencil for rotating said gear support to cause said gear to move said lead longitudinally.

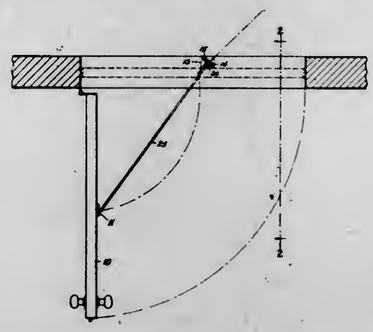
2,039,467
CONDUIT CLEANING DEVICE
James Francis Walsh, Nashville, Tenn.
Application August 7, 1935, Serial No. 35,165
2 Claims. (Cl. 4—255)



1. In a structural assemblage of the class described, in combination, a waste pipe provided with bearing means, a shaft mounted for rotation in said bearing means and provided with a handle, and a flexible cleaning device connected with said shaft, said flexible cleaning device being self adapting and of a springy nature to effectively dislodge accumulation from the walls of the pipe.

2,039,468
CHECK DEVICE FOR FIRE DOORS
Herman Weiss, Pelham Manor, and Adolph Polson, Beechhurst, N. Y.
Application April 3, 1935, Serial No. 14,394
6 Claims. (Cl. 189—49)

1. In combination with a door which automatically closes upon being released from opened position, a check device adapted to release said door when the temperature of the surrounding atmosphere rises above a predetermined level comprising a freely pivoted rod, a fusible element, guide means for detachably maintaining the free end of said rod in engagement with said fusible element whereby the door is checked in opened position under normal conditions, said guide means being adapted to control the path of movement of said rod during the closing of said door when the fusible element has been rendered inoperative by heat.



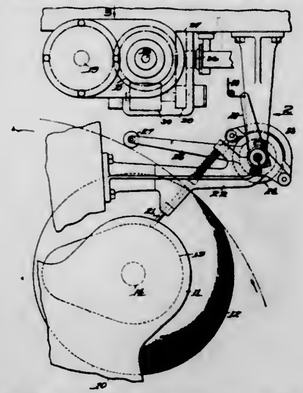
2,039,469
LUBRICATING SYSTEM
Walter W. Williams, Bloomington, Ill.
Application June 11, 1934, Serial No. 730,021
1 Claim. (Cl. 308—168)



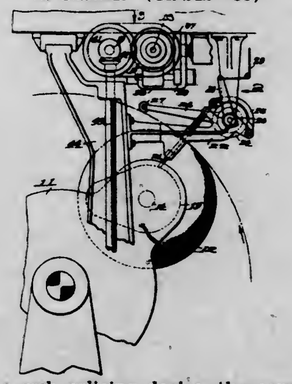
A lubricating system for bearings having a recessed movable part adapted to snugly receive and rotate about a stationary part, the bottom of the recess forming a chamber above the top of the stationary part, a bearing interposed between the said parts within the chamber, a bath of lubricant, means actuated by the moving part cooperating with the stationary part for carrying lubricant from the bath to the chamber including a spiral groove upon the exterior of the stationary part, and an axial bore in the stationary part returning the lubricant from the chamber to the bath, and an adjustable check valve regulating the pressure within the chamber before allowing the lubricant to return to the bath.

2,039,470
WEB ROLL ELECTRICAL SPEED CONTROL
Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application July 7, 1931, Serial No. 549,127
6 Claims. (Cl. 242—58)

1. In a device for rotating a fresh web roll preparatory to pasting, the combination of means for rotating the web roll at its axis from the printing press to which it is to deliver its web, means for changing the speed by which the power is delivered to the fresh roll, said means comprising a speed-changing device and a motor for operating it, and means movable by the fresh roll, and thereby controlled by the size of the roll, for electrically connecting the motor with a source of power to run it in either direction in accordance with the size of the fresh roll, the motor having little work to perform in order to change the speed of transmission of power to the fresh roll.



2,039,471
WEB ROLL ELECTRICAL SPEED CONTROL
Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application February 7, 1934, Serial No. 710,096
Renewed February 17, 1936
10 Claims. (Cl. 242—58)

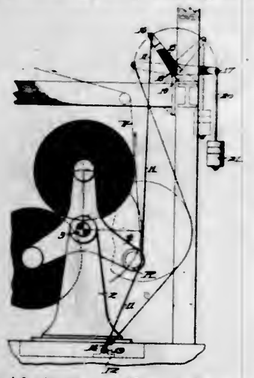


10. In a web splicing device, the combination of a rotatable reel for supporting the fresh roll, means for driving the fresh roll through its spindle in proportion to the speed of the press, and a by-pass in said fresh roll driving means for controlling rotation of the fresh roll with respect to its diameter.

2,039,472
PRINTING PRESS TENSION DEVICE
Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application March 10, 1934, Serial No. 714,918
2 Claims. (Cl. 242—75)
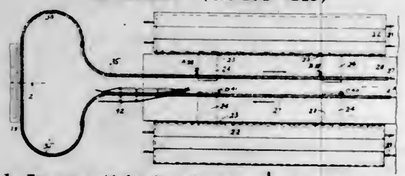
1. In a tension device for a web supply roll for a printing press, the combination of flexible tension straps for the roll fixed at their lower ends, levers, each having two arms at an angle to each other, to the ends of the arms on one side the upper ends of which straps are connected, and means connected with the opposite arms of the

levers for proportionately adding to the force ex-



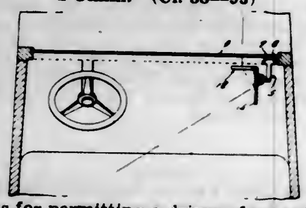
erted by said straps on the surface of the roll as it decreases in diameter.

2,039,473
AUTOMATIC DISPATCH AND DISCHARGE SYSTEM
Earl T. Bennington, Cleveland Heights, Ohio, assignor to The Cleveland Crane & Engineering Company, Wickliffe, Ohio, a corporation of Ohio
Application August 8, 1931, Serial No. 555,978
21 Claims. (Cl. 104—149)



1. In an article distributing system, a plurality of stations to which articles are to be distributed, means for conveying said articles to said stations, light sources at said stations, and means on said conveying means reactive to said light sources for discharging said articles at said stations.

2,039,474
CURB AND FENDER LOCATOR
Joseph W. Brunette, Detroit, Mich.
Application August 2, 1934, Serial No. 738,136
1 Claim. (Cl. 88—93)



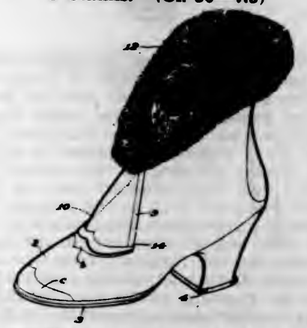
Means for permitting a driver of an automobile to observe the position of the right fender of the automobile with respect to a curb or other object, comprising a bracket supported in a forward corner of the body of the vehicle, a vertically arranged member carried by the bracket, a frame, a universal connection between the frame and said member, a mirror carried by the frame, a second frame hinged to the front end of the first mentioned frame and a lens carried by the second frame for directing light rays upon the mirror.

2,039,475
FLEXUOUSLY COMPACTED CONDUCTOR
John W. Campbell, Los Angeles, Calif.
Application July 28, 1932, Serial No. 625,410
Renewed September 25, 1935
1 Claim. (Cl. 173—367)



An electrical cable including an inner flexible helical core, said core comprising a flexible electrical conductor having a flexible insulating covering completely surrounding the same, an outer helical rubber member completely covering and surrounding said helical core, a rubber pad extending along the outer surface of the outer helical member, said inner helical core, said outer helical member and said pad having the same centerline, said rubber member and said rubber pad being vulcanized in said helical shape and said rubber member being relatively thick with respect to the core, said rubber pad being of harder rubber than the rubber of the outer rubber member whereby the elasticity of the member and pad permits said conductor to be extended when pulled and returns said conductor to a helical shape when released.

2,039,476
SNAPLESS OVERSHOE
Ernest W. Dunbar, Hudson, Mass., assignor to Cambridge Rubber Co., Cambridge, Mass., a corporation of Massachusetts
Application October 1, 1935, Serial No. 43,015
3 Claims. (Cl. 36—7.3)

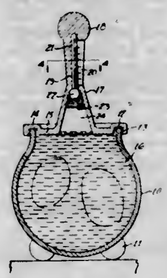


1. An overshoe comprising a sole and an upper secured thereto, said upper being adapted to encircle the wearer's ankle and having a free edge beginning at a point at one side of the vamp portion located approximately at the height of the toe portion of the shoe and above the ball region of the sole and extending upwardly and around the rear portion of the upper, thence forwardly and downwardly, crossing itself adjacent to the upper part of the instep and terminating at the other side of the shoe at a point approximately opposite the said point of beginning.

2,039,477
EGG BOILING DEVICE
Mary Alice Edgar, Portland, Oreg.
Application September 3, 1935, Serial No. 38,916
6 Claims. (Cl. 53—1)

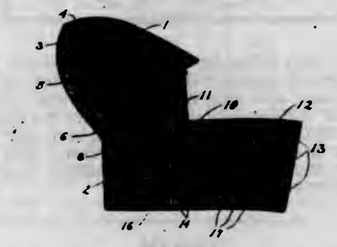
1. An egg boiling device, comprising an open container provided with external threads, a

threaded cover therefor, a handled stem for said cover, said stem provided with a central passage



and a slot at one side communicating with said passage.

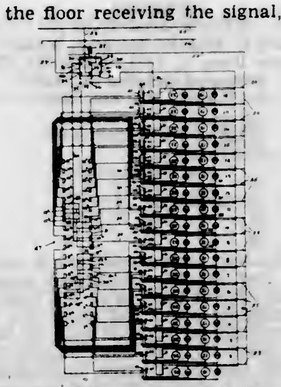
2,039,478
KNITTED HEADWEAR
Louis H. Ensten, Cleveland, Ohio
Application June 14, 1934, Serial No. 730,639
4 Claims. (Cl. 2—201)



1. A knitted helmet comprising a flat rack-knitted piece having selvages of irregular outline with the ends of the piece and the adjacent parts of one of the selvages secured together so as to form a crown portion of ovate shape, and a flat straight-knitted neck-piece having a portion of one edge secured to the lower edge of the crown portion and defining therewith an opening of irregular outline for the eyes and nose of the wearer of the helmet; darts being provided at the lower front part of said neck-piece in order to fit the neck-piece to the contour of that part of the face and neck which it covers.

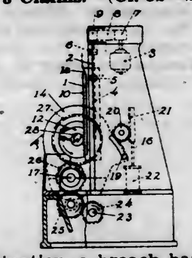
2,039,479
ELEVATOR SIGNAL SYSTEM
Mogens N. Farch, Shaker Heights, Ohio, assignor to The W. S. Tyler Company, Cleveland, Ohio, a corporation of Ohio
Application June 3, 1932, Serial No. 615,198
3 Claims. (Cl. 177—336)

1. In combination with an elevator, signal lamps associated with the floor levels served by such elevator, means synchronized with directional movement of a car for energizing said lamps within a predetermined zone in advance of the position of the elevator car to indicate that the car is moving in a particular direction, a second series of signal lamps associated with such floor levels, and means synchronized with progressive movement of a car for energizing said second series of lamps within a predetermined zone in advance of the position of the elevator car to indicate that such car will immediately stop at the floor receiving the signal, said zones



extending for different distances beyond the position of the elevator car.

2,039,480
BROACHING MACHINE
Frederick S. Floeter, Saginaw, Mich., assignor to Wickes Bros., Saginaw, Mich., a corporation of Michigan
Application May 18, 1935, Serial No. 22,136
3 Claims. (Cl. 82—2)

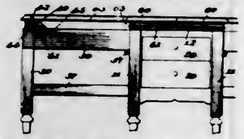


1. In combination, a broach bar arranged and actuated for lengthwise reciprocating movement and having spaced teeth whose cutting edges are maintained in a single plane during said movement, opposed center bearings adapted to support between them a work piece whose axis is maintained in parallelism with said plane, rotatable means actuating said bearings and work piece, and feeding means operative to move the rotating work piece axially sidewise toward and away from said teeth during the reciprocation of the broach.

2,039,481
REFINING OF NATURAL OLEORESIN
Ralph W. Frey, Mount Rainier, Md., and Wiley C. Smith, Clarendon, Va., assignors to Henry A. Wallace, Secretary of Agriculture of the United States of America
No Drawing. Application September 28, 1935, Serial No. 42,574
14 Claims. (Cl. 87—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

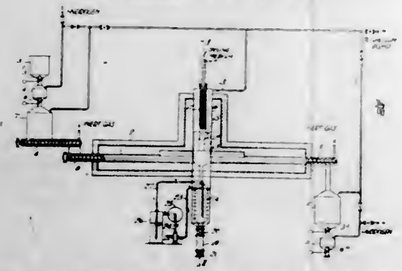
1. The process of refining an oleoresin and the resin derived therefrom, which comprises contacting them with an insoluble, non-hydrolyzable, tanned protein that is reactive with the natural tannins and closely related organic compounds, and subsequently separating the reagent and its reaction products from the oleoresin and the resin derived therefrom.

2,039,482
EXTENSION TABLE
Earl C. Groves, Jetmore, Kans.
Application June 6, 1934, Serial No. 729,312
Renewed October 4, 1935
6 Claims. (Cl. 311—60)



1. An extension table comprising a main body portion, a leaf hingedly connected along each longitudinal edge of the top of the table, a second leaf hingedly connected along one edge to the free longitudinal edge of each of the first-mentioned leaves, a third leaf hingedly connected along one edge to the free longitudinal edge of each of the second-mentioned leaves, a gate leg swingably connected to each side wall of the body portion and having an extensible member movable outwardly of the gate leg and co-operating with said leg for supporting the three leaves in the same horizontal plane with the top of the table.

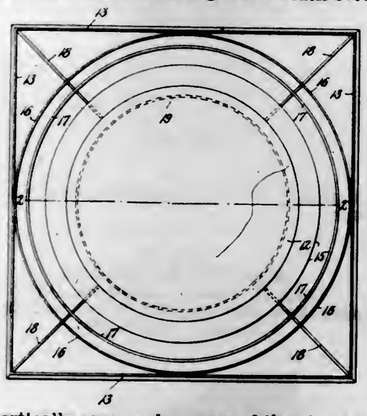
2,039,483
PRODUCTION OF METALLIC MAGNESIUM
Fritz Hansgirg, Radenthein, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa., a corporation of Delaware
Application November 27, 1934, Serial No. 755,027
In Austria December 21, 1933
9 Claims. (Cl. 75—67)



1. A process of obtaining metallic magnesium from a charge containing magnesium oxide and a reducing agent, which process comprises passing the charge, under reduced pressure, continuously through a heating zone in an atmosphere free from gases of a nature to react with magnesium at the reduction temperature, to liberate magnesium vapor from the charge, condensing the vapor in the form of a liquid deposit, and causing the liquid condensate to drop into hydrocarbon oil; the residue leaving the reduction zone in a solid state.

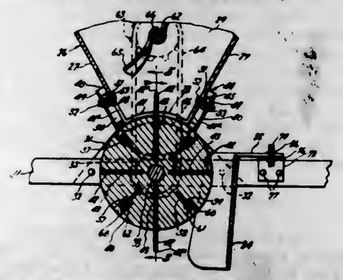
2,039,484
VENTILATOR
Thomas A. Heppenstall, Cheshire, England, assignor to H. H. Robertson Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 8, 1932, Serial No. 646,272
In Great Britain January 12, 1932
3 Claims. (Cl. 98—84)

1. In a ventilator, in combination, an eduction pipe, a cap member located above and in line with said eduction pipe, a baffling ring between said eduction pipe and cap member, a storm band of greater area than said eduction pipe and cap member and of a height greater than the distance between the eduction pipe and cap member angular in cross section with the walls of its angles continuous and vertically arranged and forming vertically arranged corners in said storm band, said angular storm band forming with said cap member a gas outlet passage about the cap member having portions of greater width between



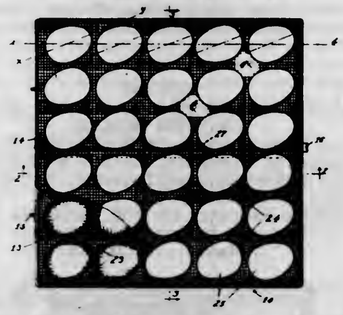
the vertically arranged corners of the storm band and said cap member than between sides of said storm band and said cap member, and circular bands of different diameters in the portions of the gas outlet of greater width and arranged with relation to said baffling ring to prevent rain from passing above and below said baffling ring into said eduction pipe.

2,039,485
SEED PLANTER
Grady W. Hollis, Lillie, La.
Application December 5, 1934, Serial No. 756,024
3 Claims. (Cl. 221—130)



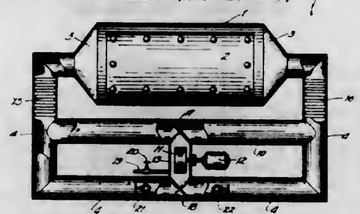
1. In a planter, a wheel borne frame, a hopper mounted on the frame and including an upwardly bowed bottom and having a slot through its bottom, a seed wheel journaled below the hopper bottom and fitting closely against the underside thereof, and adjustable seed plungers radially threaded in the said wheel to pass through the said slots in the hopper bottom, the said hopper also having slots in its sides merging with the bottom slot, side bars mounted on the hopper on each side of the wheel and extending up alongside the said slots, plates secured across these ends of the bars, and having slots aligned with the slots in the hopper, and slotted seed blocks removably mounted between the ends of the said bars.

2,039,486
EGG CRATE FILLER
Walter E. Lincoln, Belvidere, Ill.
Application May 19, 1932, Serial No. 612,269
Renewed August 22, 1935
12 Claims. (Cl. 217—28)



1. An egg crate filler comprising a pair of companion tray members, each comprising egg-supporting material formed to provide substantially half-depth egg-receiving pockets therein with rectangular connecting webs therebetween, the pockets in the one tray member being complements of those in the other tray member and being adapted to register with one another with the connecting web portions of the trays in direct engagement when the tray members are superimposed on one another in operative relation, the pockets being formed to hold eggs therein laid sidewise, in the plane of the tray members, in proper position for candling while in place in the filler, and said pockets supporting the eggs so that they remain visible from the outside of the filler and may be subjected to light passage therethrough while in place in the pockets.

2,039,487
METHOD OF NITRIDING
Lewis B. Lindemuth, Albany, N. Y., assignor, by mesne assignments, to The Nitralloy Corporation, a corporation of Delaware
Application May 28, 1929, Serial No. 366,754
2 Claims. (Cl. 148—16)



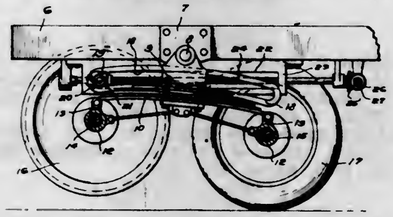
1. In the art of nitriding localized portions of articles made of alloys of steel or cast iron, the steps which comprise disposing the localized portion of said article that is to be nitrided so that it forms a portion of a wall of a nitriding chamber, imparting violent motion to a nitrogen-yielding gas in reactive relation to said localized portion by introducing said gas into said chamber under elevated pressure, causing said gas to circulate rapidly through said chamber, repeatedly returning said gas to said chamber in a substantially closed cycle, and supplying heat to said gas in the course of its cyclic flow at a point outside of and in substantially heat isolated relation to said chamber.

2,039,488
METHOD OF FORMING STONES OF PLASTIC MATERIAL AND SUPPLYING THE STONES WITH INDICIA
John P. McDonald, Austin, Tex.
Application December 4, 1934, Serial No. 755,986
1 Claim. (Cl. 18—61)



A method of forming artificial stone having indicia on the face thereof, consisting in providing a mould having a face plate, covering one side of the face plate with adhesive material soluble by the action of moisture, placing elastic indicia forming members on the adhesive material, placing a layer of crushed granite on the adhesive material between the indicia forming members and allowing the adhesive material to dry securing the indicia forming members and crushed granite to the face plate, placing a layer of plastic material including crushed stone over the crushed granite and indicia forming members, filling the mould with cement concrete, forming the body portion of the finished stone, lifting the stone from the face plate, and finally pulling the indicia forming members from their positions in the finished stone, leaving recesses in the surface of the finished stone and forming indicia.

2,039,489
TRANSPORTATION UNIT
Kirwan Y. Messick, Clarendon, Va.
Application March 15, 1933, Serial No. 660,941
17 Claims. (Cl. 105—215)

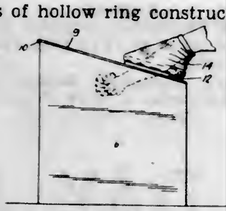


1. In combination with a vehicle body, of a truck-like frame mounted for rocking movement with respect to said body, ground wheels at one end of said frame, track wheels at the other end of said frame, a cam trackway carried by said frame, and cam means movable with respect to the body and acting upon the cam trackway for rocking the frame to move either the ground or the track wheels into engagement with a corresponding road bed.

2,039,490
APPARATUS FOR PEELING VEGETABLES
Arthur Mikelson, Detroit, Mich.
Application October 5, 1935, Serial No. 43,751
1 Claim. (Cl. 312—1)

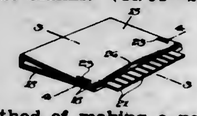
An apparatus of the class described comprising a cabinet including a top, a transparent panel incorporated in the top, said top being provided with a pair of openings, and flexible cuffs, means being provided for attaching the flexible cuffs to the top circumjacent the openings, said means for attaching the cuffs being in the form of flexi-

ble gaskets of hollow ring construction mounted



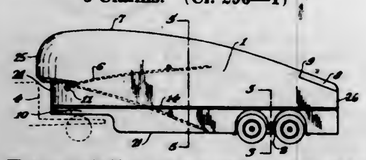
in the opening and extending outwardly from the top so that the cuffs may be engaged thereabove.

2,039,491
MATCH PACKET AND METHOD OF MAKING THE SAME
John R. Nolan, Larchmont, N. Y., assignor to The Diamond Match Company, Wilmington, Del., a corporation of Delaware
Application January 24, 1935, Serial No. 3,277
19 Claims. (Cl. 93—2)



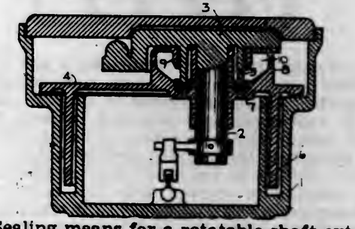
1. In a method of making a packet of light-on-withdrawal matches embodying a cover, a match holder and a row of matches having their stems supported by and protruding from said holder, the steps which consist in bending at least one end portion of the cover to provide an inner transverse fold, and in applying the cover to the holder to position the face of the fold in proximity to the protruding match stems and its inner edge in binding contact with the opposing edge of the holder.

2,039,492
SEMITRAILER
Edward H. Perkins and Hubert E. Mills, Midland, Mich., assignors, by mesne assignments, to Whitehead & Kales Company, River Rouge, Mich., a corporation of Michigan
Original application October 21, 1933, Serial No. 694,534. Divided and this application March 25, 1935, Serial No. 12,828
5 Claims. (Cl. 296—1)



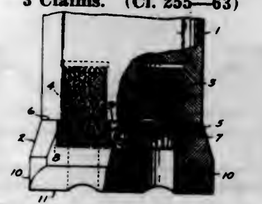
2. Transportation means of the class described comprising a semi-trailer having upright side walls, automobile carrying means between said side walls extending from the rear end of the trailer to a point adjacent its forward end and provided at the forward end of the trailer with an upwardly stepped portion, pivot means carried by and fixed relative to said side walls above said stepped portion, an automobile carrying ramp carried by said pivot means and movable vertically relative to said automobile carrying means, one end of said ramp being movable to said automobile carrying means to receive an automobile therefrom and movable to a position a sufficient distance above said automobile carrying means to permit a set of wheels at one end of an automobile to be carried by said automobile carrying means below said ramp, and said pivot means being elevated sufficiently relative to the stepped portion to permit the set of wheels at the other end of said automobile to be carried by the stepped portion below said ramp, and means carried by the trailer and associated with the ramp at one end thereof for manipulating the ramp about its pivot for loading and unloading purposes as aforesaid.

2,039,493
SEALING MEANS FOR ELECTRIC SWITCH GROUND BOXES
Samuel Thomas Quilliam, Manchester, England, assignor to Cheatham Electric Switching Device Co., Incorporated, Louisville, Ky., a corporation of Kentucky
Application February 13, 1933, Serial No. 656,573
In Great Britain March 2, 1932
3 Claims. (Cl. 286—9)



1. Sealing means for a rotatable shaft extending through a cover of a fluid tight housing, comprising a cup-shaped member fixed to the shaft and projecting into a liquid disposed in a well in said cover, an inverted trough having inner and outer annular walls surrounding said cup-shaped member, said outer wall being fixed to said cover, said inner wall providing an aperture having a diameter greater than the outside diameter of said cup-shaped member and constructed and arranged to retain said liquid irrespective of the position of the cover.

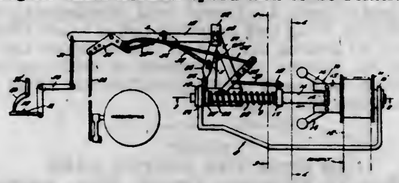
2,039,494
DRILL BIT
Ray R. Sanderson, Orrville, Ohio
Application July 30, 1932, Serial No. 626,905
3 Claims. (Cl. 255—63)



1. A drill bit tip, comprising a body portion of hard tempering steel having anchor-receiving sockets therein, and mild steel bushings rigidly secured in said sockets and internally threaded for receiving threaded anchor studs.

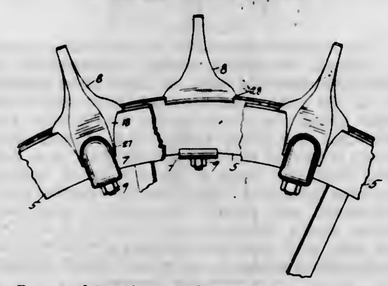
2,039,495
SPEED GOVERNOR
Theon J. Schlesser, Ilmo, Mo.
Application April 13, 1932, Serial No. 605,103
7 Claims. (Cl. 264—3)

1. A device of the character described for an internal combustion engine having a carbureter including a throttle valve, said device comprising a first generally horizontal lever, a bell crank pivoted on said first lever and having one arm operatively connected to said throttle valve, a support on which one end of said first lever is pivoted, a second depending lever pivoted on said support, a link extending between and respectively pivoted at its opposite ends to said first lever and to said second lever, governor means, said governor means including longitudinally acting spring means arranged to be compressed while said governor means is operated at a higher than normal speed and to be relatively



relaxed while said governor means is operated at a normal speed, said second lever being operatively engaged with one end of said spring means, a third vertically projecting lever pivoted on said support, a second link having one end pivotally connected to the remaining arm of said bell crank and its opposite end pivoted to said third lever, and means operatively connecting said third lever with the other end of said spring means in opposition to said second lever.

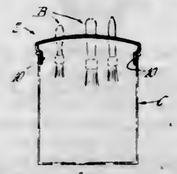
2,039,496
GROUSER FOR TRACTORS
Theodore George Schmeiser, Fresno, Calif.
Application March 7, 1935, Serial No. 9,813
7 Claims. (Cl. 301—44)



1. In combination with a wheel rim having a narrow periphery and a relatively wide side, a grouser having a blade and a base, said base having a groove therein adapted to receive the outside periphery of the rim, an apron attached to the base adapted to hug one side of the rim, said apron having a sloping surface with respect to the plane of the side of the rim, clamp means adapted to extend under the inside periphery of said rim and to overlap the sloping surface of said apron, and screw means adapted to draw and hold said apron and clamping means together.

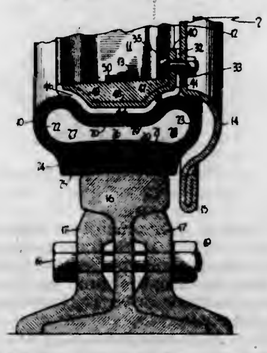
2,039,497
BRUSH HANGER
Robert J. Simons, Springfield, Mass.
Application April 16, 1935, Serial No. 16,545
2 Claims. (Cl. 211—65)

1. As a new article of manufacture, a brush hanger device of the class described for associating with a receptacle of a certain diameter consisting of a single piece of spring-like material of greater length than the diameter of the receptacle bent intermediate its opposite ends a plurality of times to have a plurality of alternately disposed substantially parallel spaced bars and spacer portions and having its opposite end portions bent downwardly at approximately right angles to the endmost bars and then transversely into parallelism with said bars and finally upwardly again to form bearing portions which are normally spaced apart a distance greater than the diameter of the receptacle, all adapted and arranged whereby the



bent piece of spring-like material may be compressed so that the distance between said bearing portions is less than the diameter of the receptacle whereupon the device may be associated with a receptacle with the transverse parts of its bearing portions bearing on and urged outwardly against the inner sides of opposite sides of the receptacle.

2,039,498
RAILWAY VEHICLE TIRE
John P. Tarbox, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 25, 1932, Serial No. 619,233
6 Claims. (Cl. 295—31)



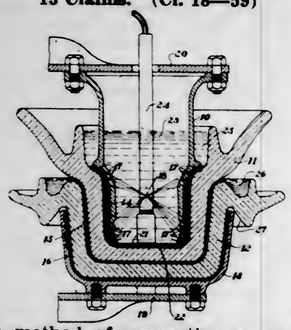
3. A wheel for rail vehicles comprising a rim base and a retaining flange adapted to engage the side of a rail, the rim base having its central portion radially outwardly offset, and a pneumatic tire seated on said rim base and having a continuous circumferential wall, the inner wall conforming to the central offset portion of said rim base and to portions laterally thereof and being of substantially uniform thickness with the side walls, the outer tread wall having flexible means associated therewith for preventing its expansion radially beyond the flange, whereby the radial depth of the air space between said outer wall and the offset of said inner wall and rim base is materially less than the depth of said air space laterally of said offset and whereby, in the event of deflation, the drop of the wheel is held within a distance less than the normal distance between the retaining flange and parts of the track located laterally of the rail head and extending into the vertical plane of the flange.

2,039,499
STRAIN YOKE FOR ELECTRICAL CONDUCTORS
John J. Taylor, Barberton, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application August 1, 1934, Serial No. 737,964
5 Claims. (Cl. 173—251)



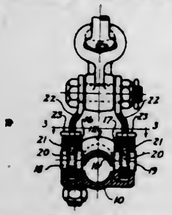
2. A strain yoke comprising a lever arm, connections at the opposite ends of said arm and a central connection comprising a block having pivotal connection with said arm and having a pivot for connecting a strain member to said arm, the axis of the pivotal connection of said block with said arm and the axis of the pivot for connecting a strain member to said arm intersecting each other, the common plane of said intersecting axes lying between opposite longitudinally extending boundary edges of said lever arm.

2,039,500
PROCESS OF ASSEMBLING INSULATORS
John J. Taylor, Wadsworth, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application October 26, 1934, Serial No. 750,101
13 Claims. (Cl. 18—59)



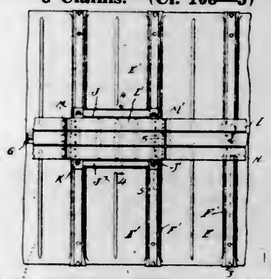
1. The method of connecting separate parts disposed one within the other comprising the steps of interposing plastic cement between the parts and maintaining the inner part at a higher temperature than the outer part during hardening of the cement.

2,039,501
TRUNNION CLAMP FOR CONDUCTORS
John J. Taylor, Wadsworth, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of Ohio
Application May 29, 1935, Serial No. 24,006
2 Claims. (Cl. 248—63)



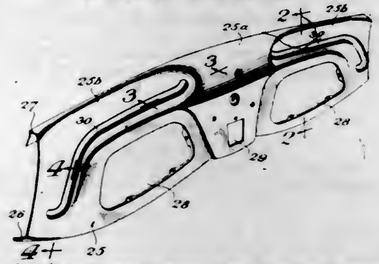
1. A conductor support comprising a pair of members supported one from the other one of said members having spaced portions, the other of said members having a tongue extending between said spaced portions, said spaced portions and tongue having circular openings therethrough all of substantially the same diameter and adapted to be moved into alinement, a pintle pin extending through said openings and having cylindrical end portions of approximately the same diameter as said circular openings but movable freely through said openings and having a reduced middle portion for engaging the opening in said tongue to permit said members to be shifted to bring said openings out of exact alinement for locking said pin in said openings and a stop for holding said members in their shifted position with said openings sufficiently offset to retain said pin in place.

2,039,502
CAR ROOF FOR HOPPER CARS
William D. Thompson, Detroit, Mich., assignor to Hutchins Car Roofing Company, Detroit, Mich., a corporation of Delaware
Application October 31, 1932, Serial No. 640,531
5 Claims. (Cl. 108—5)



1. The combination with a roof frame including carlines, of roofing sheets supported on said frame extending between carlines upon opposite sides of the ridge and provided with upstanding flanges along their side edges and across their upper ends, the upper end of one of said sheets between a pair of carlines terminating at a point spaced from the ridge to leave a hatch opening, transverse caps and ridge caps for weatherproofing between said sheets surrounding said hatch opening, and a junction cap forming a weatherproof joint with said surrounding sheets and caps and extending across to cover said hatch opening.

2,039,503
INSTRUMENT PANEL
John Tjaarda, Birmingham, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application November 8, 1933, Serial No. 697,115
14 Claims. (Cl. 180—90)



1. An instrument panel for a motor vehicle, comprising a panel formed from a sheet metal stamping and having openings formed therein for receiving and supporting instruments, said panel having elongated depressed portions at predetermined points, and handle bars connected at opposite ends to said depressed portions and having gripping portions spaced from and overlying said depressions.

2,039,504
CLOTHESLINE CANOPY
Otis B. Tout, San Diego, Calif.
Application April 11, 1934, Serial No. 720,047
1 Claim. (Cl. 135—5)



In a canopy, a pair of posts, a bar journaled therein, cross arms secured thereto and carried thereby in unison, a plurality of canopy supporting lines connecting said cross arms, said cross arms and lines being rotatable a complete revolution in unison, a canopy, and means for attaching a margin of the canopy to corresponding ends of the cross arms whereby upon subsequent rotation of the cross arms the canopy is drawn over the supporting lines.

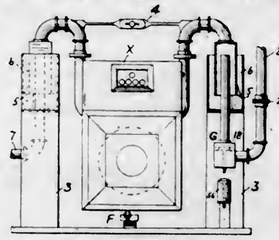
2,039,505
FINGER PROTECTOR
Wallace P. Vollmer, Wilton, Conn.
Application August 13, 1934, Serial No. 739,538
4 Claims. (Cl. 2—20)



1. In a finger protector the combination of a flexible rubber shell adapted to resiliently grip a finger, and having a front section and a back section; and a mat of metal mesh embedded in the front section of the rubber shell and adapted to flex therewith.

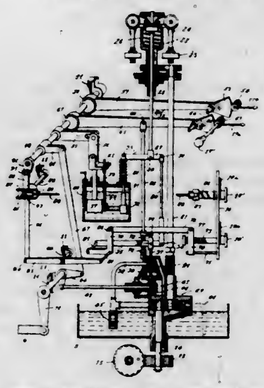
2,039,506
TESTING OR PROVING GAS OR FLUID METERS
Walter C. Wagner, Ardmore, and Frederick Strattner, Manoa, Pa.
Application April 21, 1934, Serial No. 721,652
7 Claims. (Cl. 73—51)

3. For testing or proving meters of the type recited the combination of rockable means for supporting the meter, means for passing fluid through the meter thereby rocking it, means for controlling the quantity of fluid passed through the meter to rock it a predetermined number of



times, and means for ascertaining the quantity of fluid passed through the meter.

2,039,507
DIESEL ENGINE GOVERNOR
Elmer E. Woodward, Rockford, Ill., assignor to Woodward Governor Company, Rockford, Ill., a corporation of Illinois
Application December 4, 1933, Serial No. 700,760
24 Claims. (Cl. 264—3)

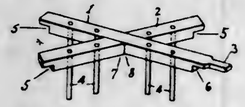


1. In combination, a centrifugal governor mechanism for a prime mover, a source of pressure fluid supply, a control cylinder containing a reciprocable regulator piston, a pilot valve arranged to be reciprocated by the governor mechanism to control the admission of fluid from said source to either end of said cylinder, linkage including a fulcrum lever providing an operating connection between the governor mechanism and the pilot valve, a compensating crank shaft, means whereby said shaft is turned in proportion to the movement of the regulator piston, means operated by the crank shaft for tilting the aforesaid fulcrum lever so as to move the pilot valve, and means operable during the operation of the prime mover and governor mechanism for adjusting the last-mentioned means for more or less movement of the pilot valve in a given angular movement of the compensating crank shaft.

2,039,508
OSCILLATING CLOTHES WASHER
Clark W. Adair, Imperial, Calif.
Application November 20, 1933, Serial No. 698,787
3 Claims. (Cl. 68—15)

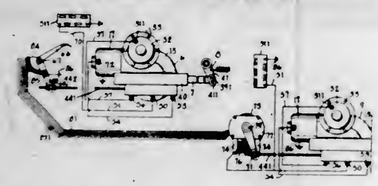
1. A clothes washing device consisting of a body member composed of two radial arms angularly displaced with respect to each other and secured together, said arms being long enough to permit them to overlie and rest upon the top

of a round wash tub, said arms having downwardly-projecting elements adapted loosely to engage the sides of the tub and hold said member centered on the tub, and long pins extending



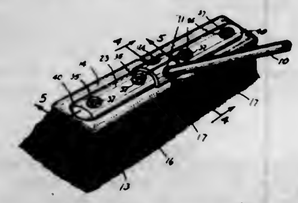
down from said arms for engagement with goods in the tub, and means on the device for turning the same about a vertical axis.

2,039,509
ELECTRIC BRAKE MECHANISM FOR AUTO TRUCKS AND TRAILERS
Royal E. Adams, Los Angeles, Calif., assignor to Edwin Pederson, Los Angeles, Calif., as trustee
Application April 8, 1933, Serial No. 665,189
9 Claims. (Cl. 188—3)



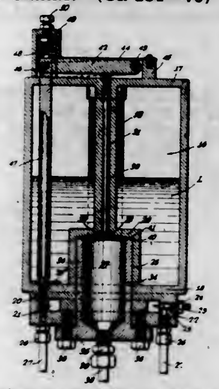
3. In an electric brake mechanism for controlling the brakes of a truck and trailer, the combination of identical brake actuating and control electric units, one on the frame of the truck and the other on the frame of the trailer, a brake pedal, an arm actuated thereby connected to control the brake on the said truck, a position controlled electric motor carried on the frame of the said trailer, a switch associated with the brake pedal, a contact member on the brake pedal to cooperate with the said switch of said position controlled motor, and an arm on the said armature of said motor with connections to the switch of the electric brake control of the brake on the said trailer, whereby on the actuation of the brake pedal on the said truck, the brake on the truck and trailer will be simultaneously controlled.

2,039,510
DOUBLE END MOP TYPE BRUSH
Jesse I. Anderson, Indianapolis, Ind., assignor to J. I. Holcomb Mfg. Co., Indianapolis, Ind., a corporation
Application April 15, 1935, Serial No. 16,350
9 Claims. (Cl. 15—229)



1. In a structure of the class described, the combination of a multiple layer base, the layers being separable for mounting therebetween cleaning elements and provided with axially aligned handle receiving openings, and a handle receivable by the openings, said handle and axially aligned openings being complementarily threaded.

2,039,511
LUBRICATOR
Albert R. Bailey, San Bernardino, Calif.
Application March 10, 1934, Serial No. 714,985
6 Claims. (Cl. 184—76)



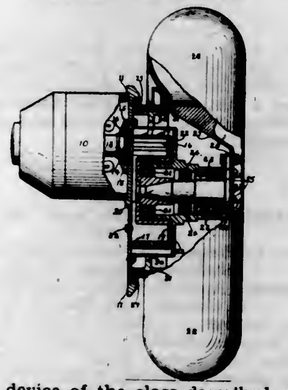
1. A lubricator comprising means providing a reservoir having an outlet, means providing a steam chamber in its bottom, a valve controlling the outlet, means operable by steam pressure in the steam chamber to open the valve, means providing an annular duct surrounding the steam chamber into which the outlet discharges, and a plurality of tubes leading from the duct.

2,039,512
DEHYDRATING COMPOSITIONS
Howard H. Baker, Buffalo, N. Y.
No Drawing. Application August 12, 1933. Serial No. 684,927
7 Claims. (Cl. 252—2.5)

3. A hygroscopic composition, comprising calcium chloride, paradichlorobenzene, and sodium chloride mixed together in dry form and distributed in wax molded to desired form.

4. A hygroscopic composition, comprising calcium chloride, paradichlorobenzene, sodium chloride, and wood charcoal mixed together in dry form and distributed in wax molded to desired form.

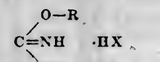
2,039,513
TRACTION WHEEL UNIT
William Henry Baker, Des Moines, Iowa
Application January 7, 1935, Serial No. 622
7 Claims. (Cl. 180—65)



1. In a device of the class described, a motor secured to an oil-tight enclosing plate, an armature shaft supported within and projecting through said enclosing plate with a pinion on the projecting shaft, an internal gear engaging said pinion and secured to a rotating axle shaft, an oil-tight enclosing axle bearing supporting member secured to the enclosing plate concentrically with the rotating axle shaft and a traction wheel mounted on the rotating axle shaft.

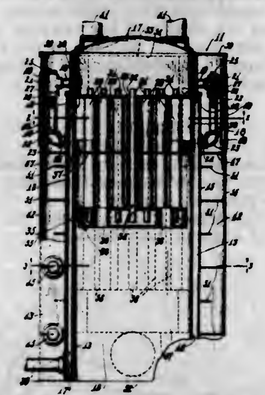
2,039,514
METHOD OF PREPARATION OF THE ETHER HYDROCHLORIDES OF PSEUDOUREA
Martin Battegay, Mulhouse, France, assignor to The Calco Chemical Company, Inc., Bound Brook, N. J., a corporation of Delaware
No Drawing. Application July 28, 1932, Serial No. 625,535. In France August 3, 1931
2 Claims. (Cl. 260—125)

2. As new products ether hydrochlorides of pseudourea having the following formula:



wherein R is a naphthyl, phenyl or cyclohexyl radical, and X is a halogen.

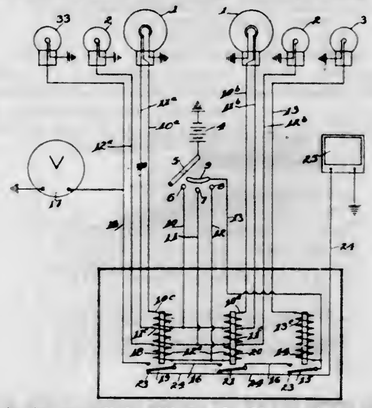
2,039,515
BOILER
Ollie L. Besinger, Chicago, Ill.
Application May 31, 1934, Serial No. 728,358
10 Claims. (Cl. 122—172)



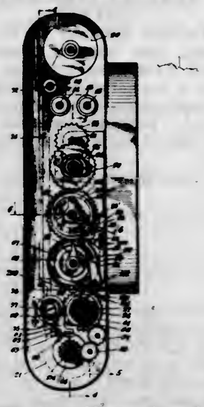
1. In a boiler, the combination of a combustion chamber; an upper header, a water jacket forming a wall of said combustion chamber connected adjacent its top with said header, a plurality of water tubes open at both ends depending from said header into said combustion chamber, a header connecting the lower ends of said water tubes, and means in each of said water tubes extending into said headers to facilitate circulation of water therein.

2,039,516
APPARATUS FOR INDICATING A NONOPERATIVE CONDITION OF VEHICLE LIGHTS
Harry Lee Black, Toronto, Ontario, Canada, assignor of one-half to Arthur R. Fletcher, Toronto, Ontario, Canada
Application March 25, 1933, Serial No. 662,749
5 Claims. (Cl. 177—311)

3. In combination with the lighting system of a motor vehicle having a plurality of lighting units, a plurality of filaments in each of said units, a filament of one unit corresponding with a filament in the other unit, a plurality of relay cores corresponding in number to the number of units, a plurality of windings on each of said cores corresponding in number to the number of filaments in each of said units, a source of current, circuits for connecting corresponding filaments in parallel with each filament in series with a corresponding relay coil, switch means for closing said parallel circuits one at a time, an armature for each of said relays, a pair of contacts controlled by each armature, and a proving device, said contacts being connected in an electric circuit including said proving device.



2,039,517
FOCAL PLANE SHUTTER
William A. Black, Montclair, N. J., assignor to Fairchild Aerial Camera Corporation, Woodside, N. Y., a corporation of New York
Application July 19, 1935, Serial No. 32,139
24 Claims. (Cl. 95—31)



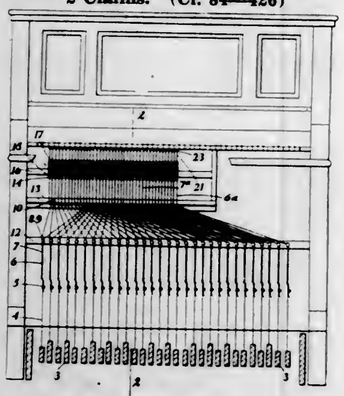
1. In a camera, a self-capping focal plane shutter, a leading blind and a following blind, means for moving said blinds independently of each other and for moving the same jointly with predetermined slits between their adjacent ends during the exposure operation and in light tight relation on return, and means for frictionally braking and stopping the movement of said blinds upon completion of their travel in one direction.

2,039,518

PEDAL ACTUATED MEANS FOR PIANOS FOR OPERATING SIMULTANEOUSLY TWO KEYS

Stanley Reginald Brett, London, England

Application August 27, 1934, Serial No. 741,636
In Great Britain August 28, 1933
2 Claims. (Cl. 84—426)



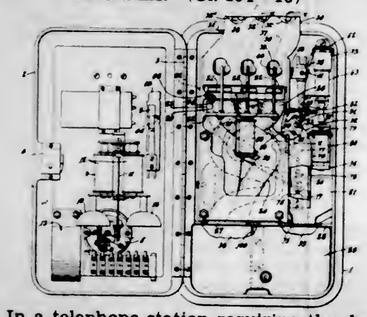
1. A pedal device for pianos comprising a series of pedals, one for each piano key of a series of keys, a single series of parallel, pivoted, key-actuating levers all of the same length, there being one lever for each of said piano keys and each lever being located directly below and parallel with the corresponding key, a connection between each lever and the corresponding key by which rocking movement of the lever actuates the key, and a flexible connection between each pedal and both the lever for the key corresponding to said pedal and the lever for the octave of said key.

2,039,519

PAY STATION COIN COLLECTING SYSTEM

Ralph D. Collins, William M. Reid, and Stanley E. Bourne, Los Angeles, Calif., assignors to Associated Telephone Utilities Company, Chicago, Ill., a corporation of Delaware

Original application December 22, 1930, Serial No. 503,952. Divided and this application July 31, 1931, Serial No. 554,190. Renewed January 16, 1935
12 Claims. (Cl. 194—16)



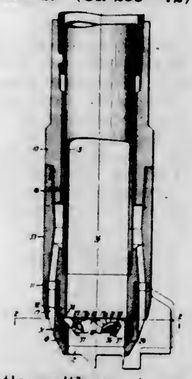
1. In a telephone station requiring the deposit of a coin to make a call and having a coin-refunding device, a receptacle to which said refunded coin passes, a coin passage leading to said refunding receptacle, and a call bell for said station, said bell being mounted in said passage to be struck by a coin passing therethrough.

2,039,520

CORE DRILL

Leonard S. Copelin, Los Angeles, Calif.

Application March 4, 1935, Serial No. 9,157
7 Claims. (Cl. 255—72)



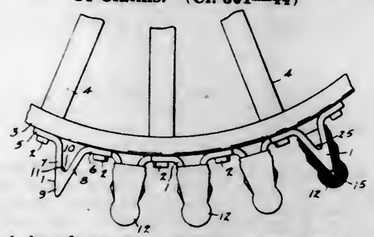
1. In combination with a rotary earth-boring drill of the core type, a core catcher comprising a plurality of spaced dogs, said dogs having ends adapted to dig into a core formation, means for pivotally mounting said dogs whereby each dog normally extends upwardly with respect to the cutting end of the drill and backwardly with respect to the direction of rotation while the drill is operating upon a formation, and spring means for urging each dog inwardly against a core.

2,039,521

TRACTOR LUG

George R. Cunnington, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application November 2, 1932, Serial No. 640,755
14 Claims. (Cl. 301—44)



1. A lug for use on tractor spades that comprises a body of rubber composition having a cylindrical road contacting nose portion, a neck portion of less thickness than the nose portion, and a metal insert completely embedded in said body and serving as a reinforcement therefor and having an intermediate portion substantially concentric with said cylindrical road contacting nose portion and substantially parallel leg portions.

2,039,522

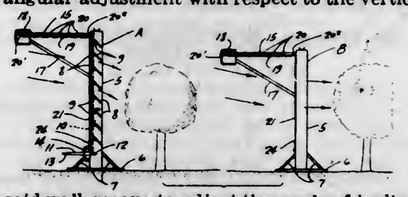
ORCHARD PROTECTIVE SYSTEM

John Del Rea De Land, Anaheim, Calif.

Application May 13, 1935, Serial No. 21,119
12 Claims. (Cl. 47—26)

1. An orchard protective wind-control structure embodying a substantially vertical louver-

wall erected adjacent the windward side of an orchard to be protected, the louver-boards of said wall being pivoted at their ends to permit a range of angular adjustment with respect to the vertical



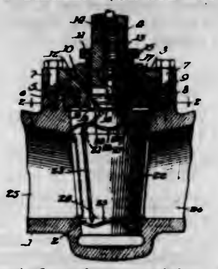
of said wall, means to adjust the angle of inclination of said louver-boards, and an awning extending horizontally from said wall to the windward thereof.

2,039,523

LUBRICATED COCK

Carl A. Dopp and Richard Fennema, Chicago, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois

Application November 17, 1933, Serial No. 698,472
9 Claims. (Cl. 251—93)



1. A lubricated cock comprising a body, a rotatable ported plug seated therein, separate lubricant distributing grooves in the seating surface of the plug arranged longitudinally thereof at both sides of its port at each end thereof, a stationary ring located at one end of the plug and having a surface bearing on a coacting surface of the plug, a lubricant reservoir, diametrically opposite quadrantal lubricant receiving recesses in said ring in communication with said reservoir, said surface of the plug on which the ring bears being exposed to said quadrantal recesses, ports in said last mentioned surface in registration with the end portions of the quadrantal recesses when the plug is in open or closed position, and ducts in the plug leading from said ports to said lubricant distributing grooves, whereby said grooves are all connected with the source of lubricant supply when the plug is in open or closed position, while the grooves which are exposed in the fluid passage of the cock when the plug is turned to an intermediate position are disconnected from said source.

2,039,524

AGENTS RENDERING TEXTILE MATERIALS FAST TO CREASING

Alfred Eckelmann and Ernst Koch, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application November 2, 1934, Serial No. 751,254. In Germany November 9, 1933
7 Claims. (Cl. 134—18)

1. The process which comprises treating a textile material with an aqueous preparation containing an addition salt of an imidoether, an addition salt of an amidine and an aldehyde and drying the material at a temperature of about 50° C. to about 120° C.

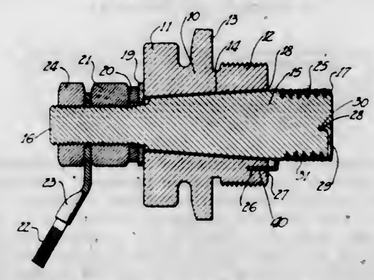
5. Agents for treating textile material comprising an addition salt of an imidoether and an addition salt of an amidine.

2,039,525

INTERNAL COMBUSTION ENGINE

Herbert C. Edwards, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application May 14, 1934, Serial No. 725,477
13 Claims. (Cl. 123—145)



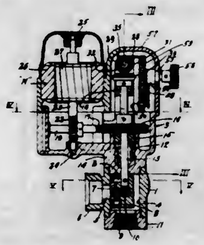
1. A glow plug for internal combustion engines comprising a body, an electrode insulated from and carried by the body, a thin coating of porcelain on one end of the electrode, and a resistance wire secured at its ends to the body and the electrode respectively, an intermediate portion of the wire being coiled against the porcelain coating on the electrode.

2,039,526

AUTOMATIC CONTROL APPARATUS

Charles H. Fennell, San Marino, and John M. Main, Los Angeles, Calif.

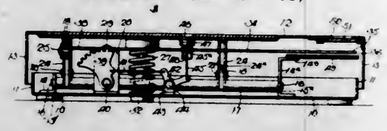
Application June 4, 1934, Serial No. 728,838
2 Claims. (Cl. 172—36)



1. A motor actuated control device comprising a casing, a first shaft in said casing, bearing means for supporting said shaft for rotation, a second shaft mounted for rotation within said gear case at right angles to said first shaft, cooperating gears on said first and second shafts coupling them for synchronous rotation, an electric motor in said gear case having its shaft parallel to but offset from said first shaft, a worm on said motor shaft, a third shaft extending transversely with respect to said first shaft and motor shaft and having a worm wheel meshing with said worm on said motor shaft, a worm wheel on said first shaft, and a worm on said third shaft meshing therewith, a commutator means

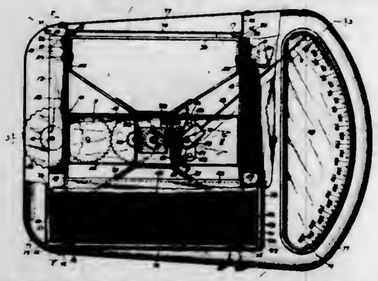
on said second shaft for completing one circuit to energize said motor while said second shaft is rotating through half a revolution and for completing a second circuit to energize said motor while said second shaft is rotating through the remainder of its revolution, and means connected to said second shaft for movement therewith for actuating a mechanism to be controlled by said device.

2,039,527
PLATFORM SCALE
Max Garbell, Chicago, Ill., assignor to Victor Adding Machine Company, Chicago, Ill., a corporation of Delaware
Application May 14, 1934, Serial No. 725,449
9 Claims. (Cl. 265—68)



1. A scale of the character described, comprising a base and a depressible platform carried in spaced relation therewith, springs yieldingly retaining the platform in spaced relation with the base, an indicator carried for swinging movements on the base, geared means including link connections forming positive driving means between the platform and the indicator in one direction of movement of the platform, and an adjustable means on the platform regulating the driving means for the indicator, said adjustable means being accessible through the platform for regulating the indicator.

2,039,528
SCALE
Max Garbell, Chicago, Ill., assignor to Victor Adding Machine Company, Chicago, Ill., a corporation of Delaware
Application December 17, 1934, Serial No. 757,811
9 Claims. (Cl. 265—68)

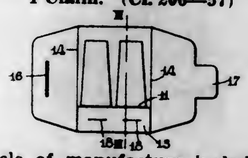


1. In a device of the character described, the combination of a reinforced frame, a pair of yoke-shaped members pivotally carried on the frame and having their free ends directed toward each other, links connecting the free ends of the yoke-shaped members for movement one with the other, a saddle pivotally mounted and bodily carried for movement with the yoke-shaped members, a spring interposed between the saddle and the frame, a platform pivotally carried on the yoke-shaped members, a registering mechanism including a dial, and connections operatively connecting the yoke-shaped arms to actuate the registering mechanism on the movement of the platform.

2,039,529
RUBBER PRODUCTS
Roland H. Guinzburg, Flushing, N. Y., assignor to I. B. Kleinert Rubber Company, New York, N. Y.
No Drawing. Application March 1, 1934, Serial No. 713,526
2 Claims. (Cl. 18—53)

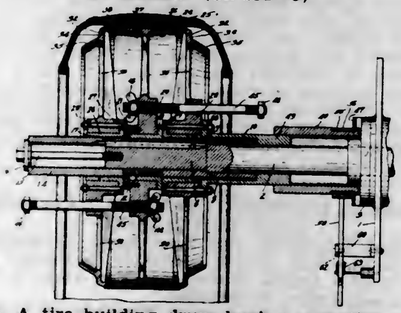
1. As an article of manufacture, a sheet of material sufficiently thin and flexible to be capable of being used in the manufacture of articles of clothing and comprising vulcanized rubber having finely divided flock dispersed therethrough in the proportion of about eight to twenty-five parts of flock to about ninety-two to seventy-five parts of rubber, respectively, the resulting material having substantially reduced extensibility in at least one direction and thickness of said sheet not exceeding about twenty-five one-thousandths of an inch.

2,039,530
FINGER PROTECTOR FOR CIGARETTE SMOKERS
Theron E. Hatch, Upper Arlington, Ohio; Dora E. Hatch, administratrix of said Theron E. Hatch, deceased, assignor to C. R. Kimmel
Application February 7, 1933, Serial No. 655,672
1 Claim. (Cl. 206—57)



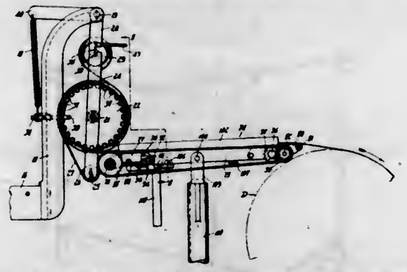
An article of manufacture including a container of flexible material, a pad therefor consisting of a plurality of collapsed cigarette holders of paper substantially impervious to smoke, said cigarette holders each having a transverse tearing line near one of its ends, and fastening means securing said plurality of cigarette holders to said container between said tearing line and the near end of said holders whereby said cigarette holders may be removed for smoking purposes one at a time from said container.

2,039,531
TELESCOPIC TIRE BUILDING DRUM
Allen L. Heston, Columbiana, Ohio, assignor to The National Rubber Machinery Company, Akron, Ohio, a corporation of Ohio
Application July 17, 1929, Serial No. 378,934
30 Claims. (Cl. 154—9)



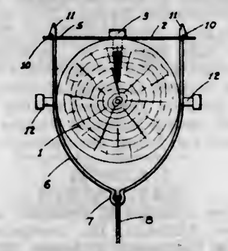
4. A tire building drum having a continuous, annular, movable side section, a rotatable shaft for rotating the drum, said shaft being rotatable relatively of the drum, and means for converting the rotary movement of the shaft relatively of the drum, into lateral movement of the side section.

2,039,532
TIRE BUILDING APPARATUS
Allen L. Heston, Akron, Ohio, assignor to National Rubber Machinery Company, Akron, Ohio, a corporation of Ohio
Application December 7, 1933, Serial No. 701,255
36 Claims. (Cl. 154—10)



1. In tire building apparatus, the combination of a pair of adjacent parallel rollers, a liner having its ends connected to the respective rollers so as to be wound, in alternation, upon each of them, means for driving one of said rollers to wrap the liner and a strip of material thereon, and means normally urging the other roller to rotation in a direction to rewind the liner thereon.

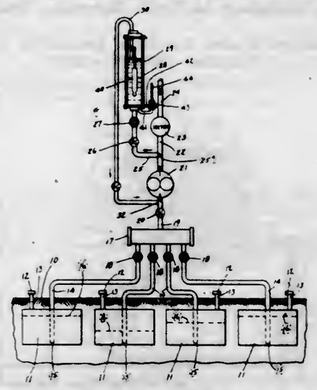
2,039,533
POLE GUY ASSEMBLY
Thomas E. Hibbard, Lodi, Calif.
Application July 16, 1935, Serial No. 31,562
8 Claims. (Cl. 189—31.5)



1. A pole guy assembly comprising a flat bendable metal strip for attachment to a pole, a yoke adapted to straddle a pole and engage with the strip adjacent each end thereof, and means locking the yoke and strip together when the strip is bent about a pole by a pull on the yoke.

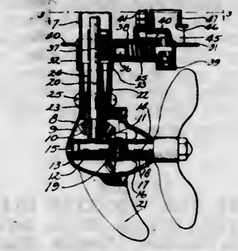
2,039,534
PROCESS OF AND APPARATUS FOR CONTINUOUS BLENDING, FOR A PREDETERMINED QUALITY, OF LIQUIDS HAVING DIFFERENT SPECIFIC GRAVITIES
Walter C. Holmes, Indianapolis, Ind.
Application May 29, 1933, Serial No. 673,498
17 Claims. (Cl. 221—96)

1. The process of continuously preparing a predetermined desired blended liquid from a plurality of sources of liquid, each having a predetermined gravity and other known qualities, comprising simultaneously pumping from each of a plurality of the selected sources, controlling the flow from each selected source to the pumping mechanism, discharging the pumpage from the selected sources to a receiver, and simultaneously with the pumping continuously supplying a portion of the discharge to a specific gravity indicating device and withdrawing the same therefrom by the pumping mechanism for continuously



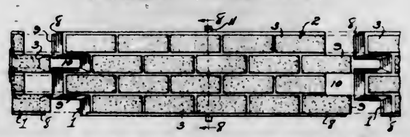
indicating the specific gravity of the blended discharge.

2,039,535
LOWER UNIT FOR OUTBOARD MOTORS
Finn T. Irgens, Wauwatosa, Wis., assignor to Outboard Motors Corporation, Milwaukee, Wis., a corporation of Michigan
Application June 2, 1934, Serial No. 728,645
8 Claims. (Cl. 115—17)



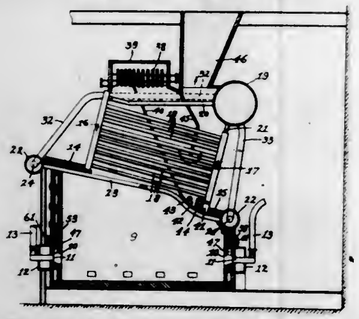
1. An outboard motor lower unit comprising the combination with a gear casing section and an anti-cavitation plate section, of a tubular drive shaft housing connecting said sections, said sections having complementary sleeves telescopically engaging said housing in mutually overlapping relation.

2,039,536
COMPOSITION BUILDING ELEMENT
Warner D. Johnson, St. Louis Park, Minn.
Application October 2, 1931, Serial No. 566,559
6 Claims. (Cl. 154—45.9)



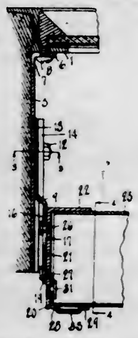
1. An article of manufacture comprising, a slab composed of shredded fibrous material treated to render the same fireproof and having a facing composed of spaced elements of refractory material and a coating of magnesium chloride covered by a coating of cement, said coatings acting to secure said refractory facing elements and slab together.

2,039,537
BOILER FURNACE
Joseph E. Kennedy and John V. Pyle, New York, N. Y., assignors to Nellie Kennedy, New York, N. Y.
Application March 14, 1934, Serial No. 715,500
5 Claims. (Cl. 122—303)



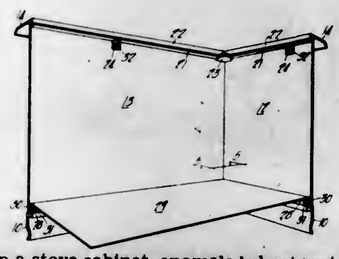
1. In a water tube boiler furnace, front, rear and side walls, burner openings in the front and rear walls, arches extending inwardly from the top of the front and rear walls over the burner openings, a boiler including a bank of water tubes extending between the arches and a water and steam drum connected to the bank of water tubes for the circulation of water therethrough, a manifold mounted exteriorly of each of said arched walls and each connected in communication with the water and steam drum exteriorly of the walls of the furnace, and a row of water conducting tubes connected at the opposite ends with the manifolds and thereby in circulation with the water and steam drum, and said row of tubes supporting the wall arches and effecting a cooling of the arches by the flow of water through the row of tubes.

2,039,538
SUPPORT FOR VENETIAN BLINDS
Guy W. Kirsch, Sturgis, Mich., assignor to Kirsch Company, Sturgis, Mich.
Application April 29, 1935, Serial No. 18,839
11 Claims. (Cl. 156—17)



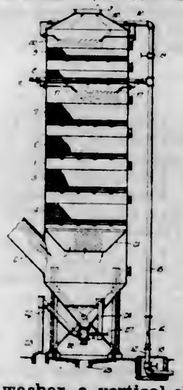
9. In a Venetian blind construction for use on sash windows to permit easy removal of the blind for access to screens or the like on the inside of the windows, including a header, a bracket, a sliding member, means to fasten said sliding member on said bracket, a header engaging socket member, and means for detachably fastening said socket member to said sliding member.

2,039,539
STOVE CONSTRUCTION
Samuel Klute, South Bend, Ind., assignor to The Malleable Steel Range Manufacturing Co., South Bend, Ind.
Application March 28, 1934, Serial No. 717,793
2 Claims. (Cl. 126—1)



1. In a stove cabinet, enameled sheet metal side panels, a sheet metal back panel, said panels being provided with complementary return bent flanges at their vertical edges and with inwardly upwardly return bent flanges at their lower edges, said first named flanges being formed to normally loosely interfit and provide interlocking joints between said panels, a sheet metal bottom plate having marginal downwardly directed flanges fitting into said last named flanges, and a rigid top frame having rigid depending flanges engaging the upper inner faces of said panels, the flanges of said bottom plate and top frame being shaped and positioned whereby they maintain said panels at the outermost limit defined by said interlocking flanges to thereby tighten said interlocking joints without damaging the enamel on the panels by providing positive double-face-contacting engagement between said interlocking flanges throughout their length and to provide positive face-contacting engagement between said panels and the flanges of said bottom plate and top frame throughout their length.

2,039,540
GAS WASHER
Jay J. Seaver, Charles E. Dougan, and Harry L. Wetherbee, Chicago, Ill., assignors to H. A. Brassert & Company, Chicago, Ill., a corporation of Illinois
Application June 15, 1934, Serial No. 730,688
3 Claims. (Cl. 261—112)



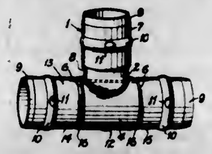
1. In a gas washer, a vertical chamber, means for introducing gases into the lower end of the chamber, means for withdrawing gases from the upper end of the chamber, vertically spaced banks of ceramic contact members in said chamber, said ceramic members having vertical openings therein, the openings in the several banks of tile being smaller in size in the upper banks of tile, screens extending across the upper surfaces of the banks of tile, and vertical tie rods extending through the tile banks to hold the screens down to prevent vertical displacement of the tile.

2,039,541
BARBECUING APPARATUS
Markos Lekometros, Oakland, Calif.
Application April 11, 1933, Serial No. 665,482
5 Claims. (Cl. 53—5)



1. A roasting spit comprising a rotatable shaft arranged to mount an animal carcass which has been split to the backbone to have the inner side of the backbone disposed along and against it, a threaded spike extending radially from said shaft for engagement through the backbone of the said carcass, and a nut on the protruding end of said spike for securing the backbone against the shaft.

2,039,542
FITTING
David E. Lindquist, Port Huron, Mich., assignor to Mueller Brass Co., Port Huron, Mich., a corporation of Michigan
Application December 26, 1934, Serial No. 759,217
6 Claims. (Cl. 285—210)

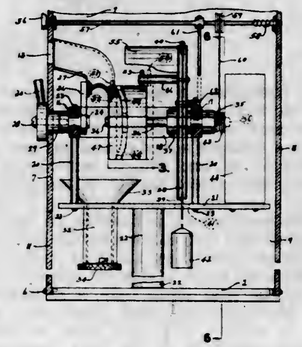


1. A fitting comprising a side outlet section and a tube, said side outlet section comprising a side portion and a cylindrical portion at an angle to said side portion, said tube being fitted in said cylindrical portion and having expanded shoulders thereon positioned to lock the tube against longitudinal movement in said cylindrical section, and means preventing relative rotation of said tube and said cylindrical portion.

2,039,543
PROCESS FOR THE MANUFACTURE OF ACETONE
Hermanus Frans Joseph Lorang, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application October 8, 1930, Serial No. 487,378. In Great Britain October 10, 1929
7 Claims. (Cl. 260—134)

1. A process for the manufacture of acetone from isopropyl alcohol comprising heating isopropyl alcohol in the presence of a metal catalyst known to have a favorable catalytic effect on the dehydrogenation of said alcohol to acetone and at temperatures sufficiently high to produce acetone by dehydrogenation of said alcohol in the presence of said catalyst, with the addition of a promoting substance for the catalyst effective in prolonging the active life thereof selected from a group consisting of zinc oxide, thorium oxide, sodium carbonate, cerium oxide, zirconium oxide and compounds which yield such substances during the reaction.

2,039,544
PARKING METER
Carl C. Magee, Oklahoma City, Okla., assignor to Dual Parking Meter Company, Oklahoma City, Okla., a corporation of Delaware
Application December 21, 1932, Serial No. 648,267
5 Claims. (Cl. 194—84)



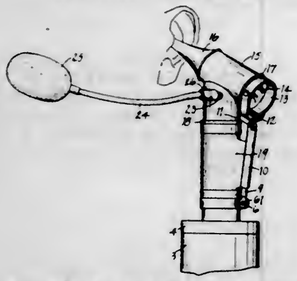
5. A coin operated device comprising, a pivotally mounted coin chute, a rotatably mounted disc adjacent the exit end of the chute, means for starting actuation of mechanism when the disc is rotated, means whereby a coin in the chute engages the disc and causes its rotation when the chute is rotated, and a cam for moving the disc axially away from the chute and releasing the coin to gravitation when the disc is rotated to a desired radial position.

2,039,545
LINK SAUSAGE HEATER
Harry E. McCormack, St. Louis, Mo.
Application March 8, 1934, Serial No. 714,579
9 Claims. (Cl. 219—19)



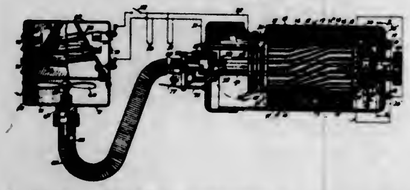
1. A link sausage cooking appliance comprising a base member, a pair of spaced-apart receptacles arranged therein in insulated relation with each other and adapted to receive the ends of a sausage disposed between and bridging said receptacles, each receptacle being provided with a recess inaccessible to the sausage end, and an electrode arranged in each recess and held out of contact with the sausage, whereby electrical connection between the electrode and the sausage end is established by suitable liquid contained in said receptacles.

2,039,546
COMBINATION SPECULUM SURGICAL INSTRUMENT
James J. McGerry, East Grand Rapids, Mich., assignor to McKelly-Ward Corporation, Grand Rapids, Mich.
Application March 10, 1934, Serial No. 714,921
3 Claims. (Cl. 128—9)



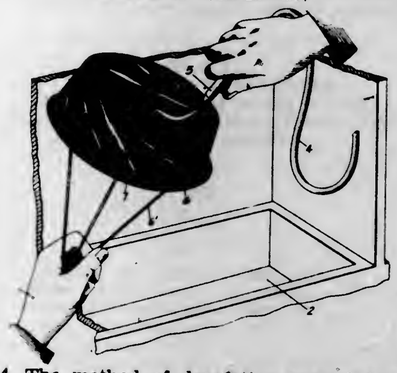
1. In a combination speculum surgical instrument, a battery and case adapted for use as a handle, a lamp case supported at one end of said battery by a suitable adapter and having a translucent window at one side to serve as a microscope inspection object holder, adjusting rings on said lamp case and adapter having tongue depressor clasps thereon, a bracket on one ring, a pivoted telescopic arm carried by the said bracket, a lens fork pivoted to said arm, a casing for the lens, a speculum head having an adapter for connecting to the said lamp case, a removable adjustable speculum for said head with a joint adapted to receive said lens case, an air tight transparent partition in the said head adapter, an adjustable open-ended shell within the said speculum head having an oblique flattened side adapted to serve as a reflector to project light through the speculum whereby the part under investigation can be examined through the lens through the said speculum and the lens may be withdrawn for instrumentation, an aperture in the said speculum head with connections to an air bulb, and an electric heater coil opposite the said aperture.

2,039,547
ELECTRIC GENERATOR AND HEATING AND COOLING MEANS
Milos N. Mikulic, Independence, Mo., assignor of one-third to E. H. Munford and one-third to H. D. Pinkerton, both of Kansas City, Mo.
Application March 31, 1934, Serial No. 718,423
7 Claims. (Cl. 171—252)



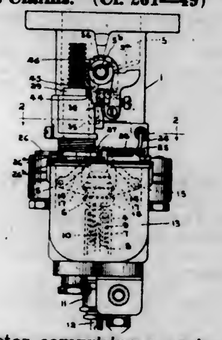
1. In a generator construction, an armature having the intermediate portions of its peripheral windings extending at an angle with reference to the path of movement of the windings through the field and a divided pole structure comprising field coils wound about a central pole piece and a ring pole element approximately coextensive with said intermediate angular portions of the armature windings.

2,039,548
METHOD OF DECORATING ENAMELED WARE
Walter B. Moore, West Lafayette, Ohio, assignor to The Moore Enameling and Manufacturing Company, West Lafayette, Ohio, a corporation of Ohio
Application May 11, 1935, Serial No. 21,059
5 Claims. (Cl. 41—26)



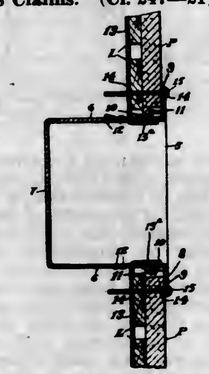
4. The method of decofating enameled ware which comprises dipping the article in vitrifiable enamel of a selected color to form the base coat, shaking the article to remove the excess enamel therefrom, flowing separated streams of vitrifiable enamel of a contrasting color over the base coat and allowing the streams to gently settle thereon so as to form separated streaks of a contrasting color in the base coat, oscillating the article by quickly rotating it first in one direction and then the other in order to cause the base coat and the streaks of enamel of contrasting color to move and moving the article quickly up and down to cause the base coat and the streaks to further move so as to cause the streaks to become irregular, and then drying and firing the article.

2,039,549
CARBURETOR
Harry Barker Norris, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application March 21, 1931, Serial No. 524,250
13 Claims. (Cl. 261—49)



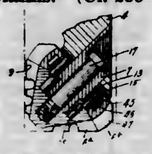
1. A carburetor comprising a casing having a mixing chamber with regulatable main air and fuel inlets opening thereinto and with a mixture outlet opening therefrom, valve means controlling the flow from said air inlet to said chamber, valve means for said fuel inlet, means operatively connecting said second-named valve means to said first-named valve means for regulation thereby, said fuel inlet discharging into said mixing chamber on the outlet side of said air inlet controlling means, and normally ineffective means independent of said connecting means and operable for direct engagement with said first-named valve means to resist operation thereof thereby to increase the ratio of fuel to air supplied to said chamber.

2,039,550
SWITCH BOX
Fred E. Norton, Kennebunk, Maine
Application September 10, 1934, Serial No. 743,387
8 Claims. (Cl. 247—21)



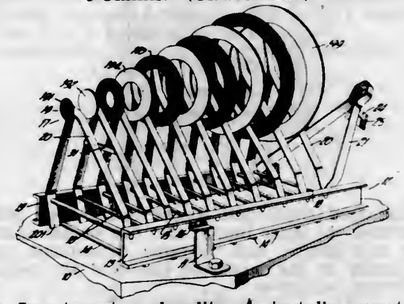
1. An open front switch box to be mounted in walls, said box consisting of side and rear walls, a plate adapted to be secured to desired side walls to overlie the outer surface of adjacent wall structure, said side walls having a plurality of aligned parallel slots representing with said plate wall structures of different thicknesses, a member adapted to extend through said slots and to lie against the inner surface of said wall structure, said member including a portion adapted to bear against the inner surface of said side walls, said member and said plate having when thus assembled aligned apertures, and means to interlock said member and said plate.

2,039,551
ROTARY BIT
John T. Phipps, Los Angeles, Calif., assignor to S. R. Bowen Company, Huntington Beach, Calif., a corporation of California
Application October 29, 1934, Serial No. 750,546
3 Claims. (Cl. 255—71)



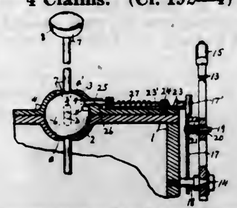
1. In an earth-boring tool, a bit body, a cone cutter formed in two sections, an apex section for cutting the central portions of an earth bore and a base section for cutting the exterior portions of an earth bore, means mounting said apex section of said cutter on said bit body for relative rotation thereto, a cylindrical boss formed upon and extending rearwardly from said apex section to constitute a rotatable bearing member upon which said base section is rotatably mounted.

2,039,552
TARGET
William H. Reynolds, Schenectady, N. Y., assignor of three-eighths to John R. Sheehan and three-eighths to Harold G. Veeder, both of Schenectady, N. Y., doing business together with said William H. Reynolds under firm name of W. H. Reynolds Company, Albany, N. Y.
Application June 26, 1933, Serial No. 677,597
9 Claims. (Cl. 273—102)



1. In a target, a plurality of pivotally mounted spaced target elements comprising target members substantially concentric about a common axis when in operative position and arranged one behind the other, the target members being progressively larger from front to rear, stops limiting the forward movement of said elements, the center of gravity of said elements when in operative position being in advance of the pivotal supports of the respective elements.

2,039,553
EMERGENCY-BRAKE AND GEAR-SHIFT CONTROL
Bruno C. Roehrl, Binghamton, N. Y.
Application May 25, 1933, Serial No. 672,819
4 Claims. (Cl. 192—4)

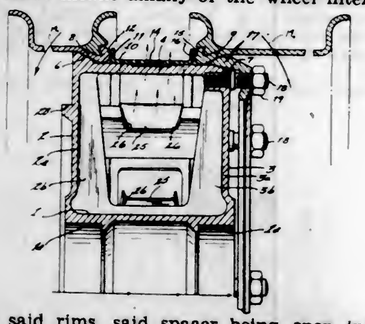


1. In an emergency-brake and gear-shift control, a gear-shifting member movable in different directions about a relatively fixed center and having a portion thereof concentric with said center and provided with a peripheral slot, a locking member adapted to enter the slot only when the first member is in its neutral position, a brake-operating member, and means actuated by the movement of the last named member to its brake-applying position for forcing the locking member into the slot and thereby to prevent the movement of the first member to its gear-shifting position.

2,039,554
VEHICLE WHEEL FOR DUAL DEMOUNTABLE RIMS
Louis J. Rogers, Albion, Pa.
Application October 28, 1933, Serial No. 695,650
3 Claims. (Cl. 301—12)

1. A wheel comprising a hub, spokes extending radially therefrom and felloe means carried by

said spokes and arranged to receive an inboard rim and an outboard rim axially of the wheel and to support said rims in spaced relation, tires on said rims respectively, a spacer receivable on said felloe means axially of the wheel intermediate said rims, said spacer being open intermediate its outer limits, and fan blades carried by said spacer and operable consequent upon rotation of the wheel to circulate air radially between said tires.



2,039,555

PROCESS FOR FORMING TETRATHIONATE SOLUTIONS

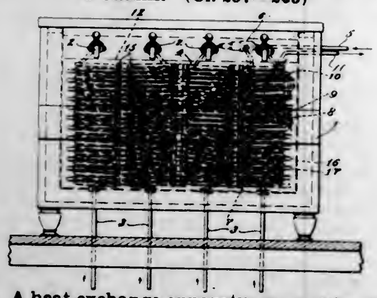
Ludwig Rosenstein, San Francisco, Calif.
No Drawing. Application October 25, 1930, Serial No. 491,327
9 Claims. (Cl. 204—9)

6. A process of forming a tetrathionate solution comprising electrolytically oxidizing a thiosulphate solution, the solution being buffered with a compound capable of reacting with the alkali produced to maintain the solution alkaline at a substantially constant hydroxyl ion concentration.

2,039,556

BEVERAGE COOLER

Harry R. Ruse, Baltimore, Md.
Application February 15, 1935, Serial No. 6,614
8 Claims. (Cl. 257—205)

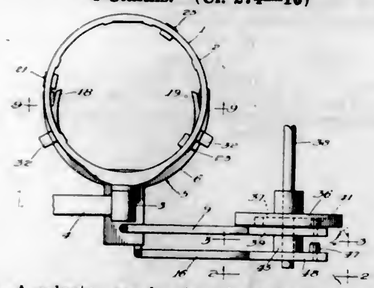


3. A heat exchange apparatus comprising tubes wound into a plurality of substantially parallel helices for fluid to be conditioned and a plurality of formations formed by a tube passing around alternate sides of each helix in a continuous course, each successive turn around each helix being above the previous turn, said tube providing a conduit for the conditioning fluid, the helices being of substantially the same height as said formations, the fluid in the helices and formations flowing substantially parallel substantially throughout the course of the fluid in each helix whereby the fluid in each helix is conditioned uniformly a corresponding amount at corresponding heights in each helix.

2,039,557

AUTOMATIC RELEASE DEVICE FOR PHONOGRAPH RECORDS

Henry G. Saal, McHenry, Ill.; Alice M. Saal and Vena Linwood Foulds executrices of the estate of said Henry G. Saal, deceased
Application March 16, 1931, Serial No. 522,812
Renewed January 9, 1935
4 Claims. (Cl. 274—10)

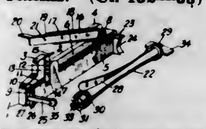


1. A selector mechanism for selectively releasing a phonograph record from a record magazine which comprises in combination, a magazine for retaining a stack of phonograph records including a housing, spaced lugs upon the lower edge of said housing for supporting said stack of records within said housing, means for removing the lowermost record from said lugs to a secondary support associated with said magazine comprising an element pivotally mounted upon the lower side of the housing, a plurality of arms pivotally mounted upon said element, said element being adapted to remove said record from said lugs and deposit the same upon said arms, and means for removing said arms from supporting position beneath said record.

2,039,558

HAIR-WAVING APPARATUS

Peter Santurello, Columbus, Ohio
Application June 20, 1934, Serial No. 731,501
13 Claims. (Cl. 132—33)



1. Hair-waving apparatus comprising a clamp member, a mandrel adapted to be mounted on said clamp member, said mandrel comprising a main body portion and a bearing member on which said body portion may rotate, means for permitting rotation of said main body portion of the mandrel on said bearing member in one direction but for precluding rotation thereof in an opposite direction, means for mounting the mandrel on the clamp member in such a manner that rotation of the bearing member in either direction will be precluded, said means including a pivoted latch member which is swingable into and out of a socket formed in said bearing member.

2,039,559

CIGARETTE CASE

Hyman R. Segal, New York, N. Y.
Application March 17, 1933, Serial No. 661,215
9 Claims. (Cl. 206—41.4)

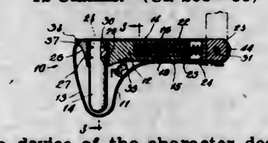
1. In a device of the class described, a casing, a cover hingedly connected thereto, spring means acting against the cover and casing, lock means for disconnectably holding the cover to said casing, article supporting means movably guided within said casing, link means pivotally connected to said cover and supporting means, a partition carried by the latter dividing said casing into compartments, said casing comprising stop means cooperating with said partition to interrupt upward displacement of the latter upon the application of pressure on said casing and upon release of said pressure permitting further displacement of said supporting means to present the articles thereof above the elevation of said casing.



2,039,560

COSMETIC HOLDING DEVICE

Hyman R. Segal, New York, N. Y.
Application December 30, 1933, Serial No. 704,701
12 Claims. (Cl. 206—56)

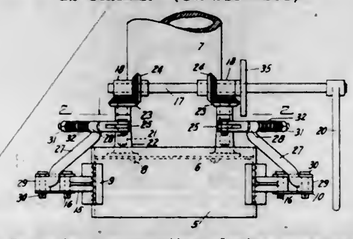


1. In a device of the character described, the combination of, a casing, a lipstick holder having one end pivotally connected to one end of said casing and another end disconnectably associated therewith, the holder comprising lipstick retaining means comprising a complementary fixed and movable member, and means normally urging said movable member towards said lipstick interposed between said members.

2,039,561

BAG SUPPORTING DEVICE

William E. Sharkey, Middletown, Ohio, assignor to The Raymond Bag Company, Middletown, Ohio, a corporation of Ohio
Application July 24, 1935, Serial No. 32,926
12 Claims. (Cl. 248—101)

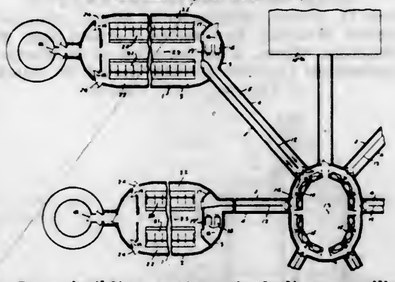


11. In a bag supporting device, a supporting member having an opening therethrough, arranged to permit the open end of a bag to be placed about the same and having bag engaging surfaces, a single lever arranged on each side of and transversely to said supporting member and pivotally mounted at its rear end for movement in a plane intersecting said supporting member, bag gripping means carried by each lever between the ends thereof and movable thereby into and out of engagement with a bag on said supporting member, and means connected with said levers near the forward ends thereof for actuating said levers to move said bag gripping means into and out of engagement with said bag.

2,039,562

ROUND ENDED BUILDING

John G. Shodron, Fort Atkinson, Wis., assignor to James Manufacturing Company, Fort Atkinson, Wis., a corporation of Wisconsin
Application May 22, 1933, Serial No. 672,223
4 Claims. (Cl. 119—16)

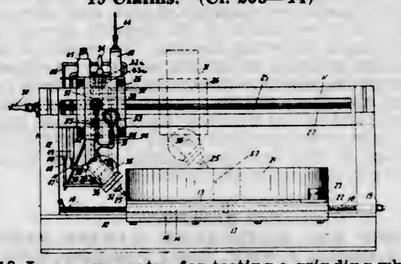


1. In a building system, including a milking parlor, one or more barns and an interconnecting extended chamber between each of said barns and said milking parlor, and other communicating chambers, said barns having substantially rounded ends, each of said ends consisting of a plurality of removable panels, said panels being adapted to be replaced by entry or exit ends of said other communicating chambers, whereby said rounded ends of said barns may be removably connected to the milking parlor and to one or more additional buildings.

2,039,563

METHOD AND APPARATUS FOR TESTING GRINDING WHEELS AND THE LIKE

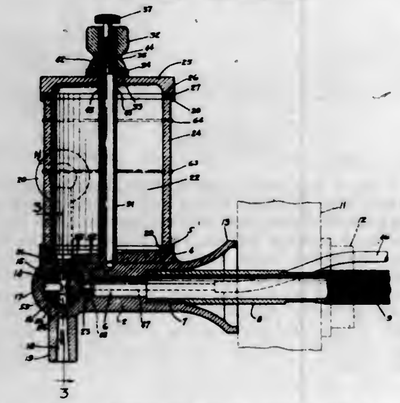
Herbert R. Simonds, Oakwood, Ohio, assignor to Simonds Worden White Company, Dayton, Ohio, a corporation of Ohio
Application May 20, 1935, Serial No. 22,421
19 Claims. (Cl. 265—14)



19. In an apparatus for testing a grinding wheel or the like, means for supporting the wheel in a substantially horizontal position, a frame member arranged above and substantially parallel with said wheel supporting means, a carriage mounted on said frame member, means for adjusting said carriage lengthwise of said frame member, a supporting member mounted on said carriage, means for adjusting said supporting member vertically with relation to said carriage, a fluid operated device supported by said supporting member, a breaking tool operatively connected with said fluid

operated device and so arranged that in the normal operation of the apparatus it will be pressed by said fluid operated device against one surface of the wheel on said support at a point adjacent to but spaced from an edge of said surface and in a direction oblique to said surface and toward said edge thereof, means carried by said carriage to supply fluid under pressure to said fluid operated device and cause said tool to exert breaking pressure on an edge portion of said wheel, and a device to measure the pressure exerted by said tool on said wheel.

2,039,564
BEER DISPENSING APPARATUS
Elmer H. Smith, Minneapolis, Minn., assignor to Smith Welding Equipment Corporation, Minneapolis, Minn., a corporation of Delaware
Application October 1, 1934, Serial No. 746,328
11 Claims. (Cl. 225—9)



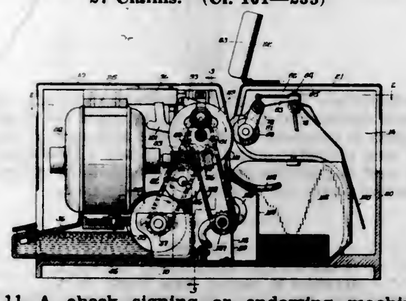
1. A beer dispensing faucet comprising a body having a pressure chamber thereon adapted to be connected to a source of beer under pressure and an air supply under pressure, valve means for controlling the supply of air and beer to and from said pressure chamber, said valve means comprising a single operating member and adapted upon movement in one direction by said member, to admit air into said chamber and thereafter a measured quantity of beer, and when said valve means is moved in the opposite direction by said single operating member, the supply of beer to said chamber is cut off, and the air released therefrom, whereby the beer may be drawn from said chamber without agitation and excessive foam, and means whereby the beer may be drawn directly from said beer supply through the valve means to the receiving means without passing through said pressure chamber.

2,039,565
MOP AND METHOD OF MAKING SAME
Frederick A. Speik, South Pasadena, Calif.
Application March 21, 1935, Serial No. 12,188
9 Claims. (Cl. 300—21)



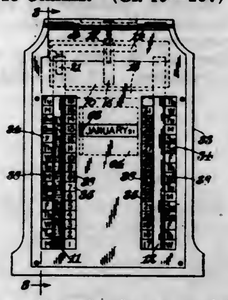
1. A method of making mops comprising placing a swab consisting of a body of cords in parallel alignment, clamping a pair of sheet metal plates having interlocking means about the middle of the swab, and cutting through the plates and the swab transversely to the axis thereof to form two separate mops.

2,039,566
CHECK SIGNING AND ENDORSING MECHANISM
Hjalmar A. Swanson, Chicago, Ill., assignor to Cummins Perforator Company, Chicago, Ill., a corporation of Illinois
Application May 17, 1934, Serial No. 726,098
27 Claims. (Cl. 101—235)



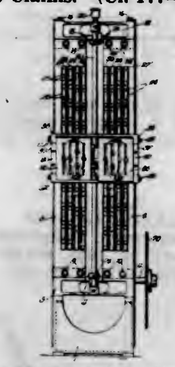
11. A check signing or endorsing machine, comprising an intermittently driven type cylinder rotatable about a horizontal axis, means for initiating the rotation of said type cylinder, an inking roller rotatable about a horizontal axis and yieldingly biased in a direction toward said type cylinder, a reservoir for liquid ink positioned below said inking roller, a roller rotatably mounted in said reservoir and normally out of contact with said inking roller, means for constantly rotating said reservoir roller, and means rotating with said type cylinder for forcing said inking roller into contact with the reservoir roller.

2,039,567
AUTOMATIC CALENDAR
Percival Leo Ta'Bois, London, England, assignor of one-half to Ivor Tuckett, Cowes, Isle of Wight, England
Application May 19, 1934, Serial No. 726,529
In Great Britain May 25, 1933
15 Claims. (Cl. 40—107)



1. An automatic calendar comprising in combination a vessel containing liquid, a second vessel in communication with the first vessel, means for causing a flow of liquid from the first to the second vessel, means for restricting the flow from the first to the second vessel, a scale of days and months associated with one of said vessels indicating the quantity of liquid in that vessel, and means whereby liquid can be caused to flow freely in either direction between the vessels.

2,039,568
ELEVATOR SIGNAL APPARATUS
Joseph C. Tamsitt, Aurora, Ill., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill., a corporation of Illinois
Application April 27, 1932, Serial No. 607,688
12 Claims. (Cl. 177—336)



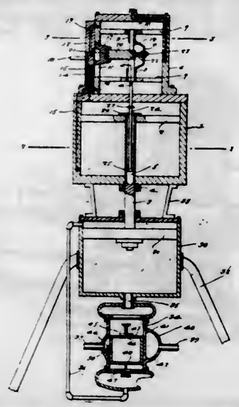
1. Selector apparatus for elevator cars comprising, in combination, two separate banks of switches, a carriage movable along said switches in response to movements of the car, two sets of alternately operable switch closing means movably carried by said carriage, said switch closing means comprising cams movable over the switches to close the same, mechanically interconnected eccentric means associated with each set of said switch closing means to alternately move the sets toward and away from said switches whereby one set of switch closing means cooperates with one bank of switches at one time and another set of switch closing means cooperates with the other bank of switches at another time, and means operable in accordance with the direction of movement of the car for actuating the eccentrics for reversing the switch closing means.

2,039,569
YARN AND FABRIC
George Herbert Thompson, Oldham, England
No Drawing. Application October 30, 1935, Serial No. 47,509. In Great Britain December 8, 1934
2 Claims. (Cl. 117—2)

1. Method of manufacturing yarn consisting in spinning the yarn with a less number of turns per inch than is necessary to withstand the tension of unwinding it from the spinning package, impregnating the yarn on the spinning package with a suitable adhesive solution and finally drying the impregnated spinning package.

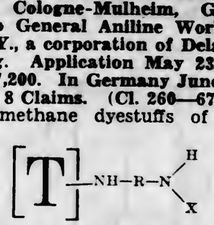
2,039,570
PUMP
Elliot I. Thornton, Slaton, Tex.
Application May 16, 1935, Serial No. 21,851
1 Claim. (Cl. 103—175)

A pump of the class described comprising a cylinder, a piston therein, means for reciprocating the piston, a valve housing having its upper end in communication with the bottom of the cylinder, a pipe connecting the lower end of the housing with the upper end of the cylinder, a slide valve casing in the housing, a supply pipe always in communication with the interior of the valve casing, upper and lower spring-pressed valves controlling upper and lower parts in the valve casing, an outlet member having upper and lower ports in communication with the housing, said ports being controlled by the sliding movement of the valve casing.

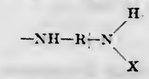


2,039,571
DYESTUFFS OF THE TRIARYLMETHANE SERIES
Ottmar Wahl, Leverkusen-I. G. Werk, Ernst Teupel, Leverkusen-Wiesdorf, and Karl Schmidt, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application May 23, 1934, Serial No. 727,200. In Germany June 3, 1933
8 Claims. (Cl. 260—67)

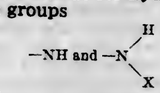
1. Triarylmethane dyestuffs of the general formula:



wherein T stands for the radical of a dyestuff of the diamino triarylmethane series containing at least one sulfonic acid group, the group



being attached to an aromatic nucleus in *p*-position to the carbinol C-atom, R stands for an arylene radical, *x* stands for hydrogen or an acyl group, and the groups



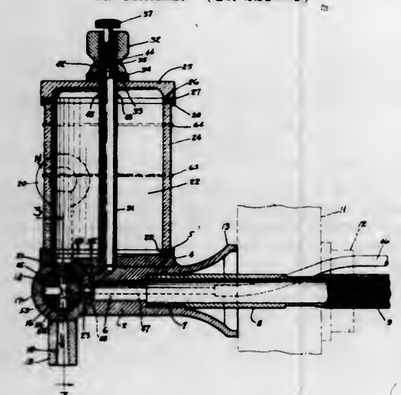
stand in *o*- or *p*-position to each other, dyeing the animal fibre generally greenish-blue to reddish-violet shades of good fastness to light and dischargeability.

2,039,572
MAGAZINE GRINDER
Charles Alexander Waterous, Brantford, Ontario, Canada
Application June 29, 1933, Serial No. 678,296
10 Claims. (Cl. 83—75)

1. In a magazine grinder and in combination, a grinding pocket, a magazine positioned above

operated device and so arranged that in the normal operation of the apparatus it will be pressed by said fluid operated device against one surface of the wheel on said support at a point adjacent to but spaced from an edge of said surface and in a direction oblique to said surface and toward said edge thereof, means carried by said carriage to supply fluid under pressure to said fluid operated device and cause said tool to exert breaking pressure on an edge portion of said wheel, and a device to measure the pressure exerted by said tool on said wheel.

2,039,564
BEER DISPENSING APPARATUS
Elmer H. Smith, Minneapolis, Minn., assignor to Smith Welding Equipment Corporation, Minneapolis, Minn., a corporation of Delaware
Application October 1, 1934, Serial No. 746,328
11 Claims. (Cl. 225—9)



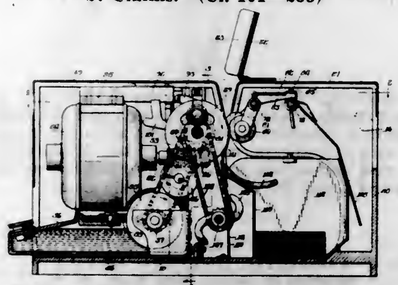
1. A beer dispensing faucet comprising a body having a pressure chamber thereon adapted to be connected to a source of beer under pressure and an air supply under pressure, valve means for controlling the supply of air and beer to and from said pressure chamber, said valve means comprising a single operating member and adapted upon movement in one direction by said member, to admit air into said chamber and thereafter a measured quantity of beer, and when said valve means is moved in the opposite direction by said single operating member, the supply of beer to said chamber is cut off, and the air released therefrom, whereby the beer may be drawn from said chamber without agitation and excessive foam, and means whereby the beer may be drawn directly from said beer supply through the valve means to the receiving means without passing through said pressure chamber.

2,039,565
MOP AND METHOD OF MAKING SAME
Frederick A. Speik, South Pasadena, Calif.
Application March 21, 1935, Serial No. 12,188
9 Claims. (Cl. 300—21)



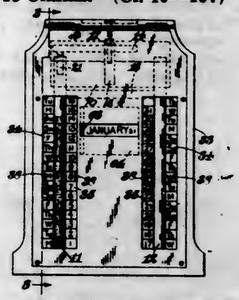
1. A method of making mops comprising placing a swab consisting of a body of cords in parallel alignment, clamping a pair of sheet metal plates having interlocking means about the middle of the swab, and cutting through the plates and the swab transversely to the axis thereof to form two separate mops.

2,039,566
CHECK SIGNING AND ENDORSING MECHANISM
Hjalmar A. Swanson, Chicago, Ill., assignor to Cummins Perforator Company, Chicago, Ill., a corporation of Illinois
Application May 17, 1934, Serial No. 726,098
27 Claims. (Cl. 101—235)



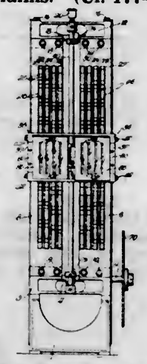
11. A check signing or endorsing machine, comprising an intermittently driven type cylinder rotatable about a horizontal axis, means for initiating the rotation of said type cylinder, an inking roller rotatable about a horizontal axis and yieldingly biased in a direction toward said type cylinder, a reservoir for liquid ink positioned below said inking roller, a roller rotatably mounted in said reservoir and normally out of contact with said inking roller, means for constantly rotating said reservoir roller, and means rotating with said type cylinder for forcing said inking roller into contact with the reservoir roller.

2,039,567
AUTOMATIC CALENDAR
Percival Leo Ta'Bois, London, England, assignor of one-half to Ivor Tuckett, Cowes, Isle of Wight, England
Application May 19, 1934, Serial No. 726,529
In Great Britain May 25, 1933
15 Claims. (Cl. 40—107)



1. An automatic calendar comprising in combination a vessel containing liquid, a second vessel in communication with the first vessel, means for causing a flow of liquid from the first to the second vessel, means for restricting the flow from the first to the second vessel, a scale of days and months associated with one of said vessels indicating the quantity of liquid in that vessel, and means whereby liquid can be caused to flow freely in either direction between the vessels.

2,039,568
ELEVATOR SIGNAL APPARATUS
Joseph C. Tamsitt, Aurora, Ill., assignor to Richards-Wilcox Manufacturing Company, Aurora, Ill., a corporation of Illinois
Application April 27, 1932, Serial No. 607,688
12 Claims. (Cl. 177—336)



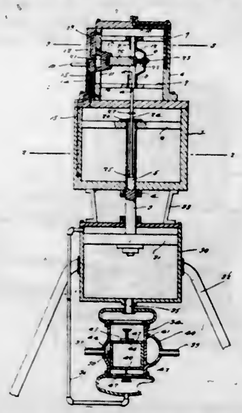
1. Selector apparatus for elevator cars comprising, in combination, two separate banks of switches, a carriage movable along said switches in response to movements of the car, two sets of alternately operable switch closing means movably carried by said carriage, said switch closing means comprising cams movable over the switches to close the same, mechanically interconnected eccentric means associated with each set of said switch closing means to alternately move the sets toward and away from said switches whereby one set of switch closing means cooperates with one bank of switches at one time and another set of switch closing means cooperates with the other bank of switches at another time, and means operable in accordance with the direction of movement of the car for actuating the eccentrics for reversing the switch closing means.

2,039,569
YARN AND FABRIC
George Herbert Thompson, Oldham, England
No Drawing. Application October 30, 1935, Serial No. 47,509. In Great Britain December 8, 1934
2 Claims. (Cl. 117—2)

1. Method of manufacturing yarn consisting in spinning the yarn with a less number of turns per inch than is necessary to withstand the tension of unwinding it from the spinning package, impregnating the yarn on the spinning package with a suitable adhesive solution and finally drying the impregnated spinning package.

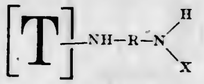
2,039,570
PUMP
Elliot I. Thornton, Slaton, Tex.
Application May 16, 1935, Serial No. 21,851
1 Claim. (Cl. 103—175)

A pump of the class described comprising a cylinder, a piston therein, means for reciprocating the piston, a valve housing having its upper end in communication with the bottom of the cylinder, a pipe connecting the lower end of the housing with the upper end of the cylinder, a slide valve casing in the housing, a supply pipe always in communication with the interior of the valve casing, upper and lower spring-pressed valves controlling upper and lower parts in the valve casing, an outlet member having upper and lower ports in communication with the housing, said ports being controlled by the sliding movement of the valve casing.

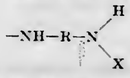


2,039,571
DYESTUFFS OF THE TRIARYLMETHANE SERIES
Ottmar Wahl, Leverkusen-I. G. Werk, Ernst Teupel, Leverkusen-Wiesdorf, and Karl Schmidt, Cologne-Mulheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application May 23, 1934, Serial No. 727,200. In Germany June 3, 1933
8 Claims. (Cl. 260—67)

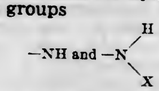
1. Triarylmethane dyestuffs of the general formula:



wherein T stands for the radical of a dyestuff of the diamino triarylmethane series containing at least one sulfonic acid group, the group



being attached to an aromatic nucleus in *p*-position to the carbinol C-atom, R stands for an arylene radical, *x* stands for hydrogen or an acyl group, and the groups

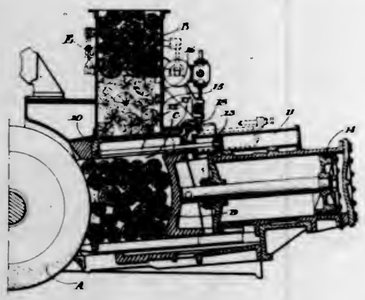


stand in *o*- or *p*-position to each other, dyeing the animal fibre generally greenish-blue to reddish-violet shades of good fastness to light and dischargeability.

2,039,572
MAGAZINE GRINDER
Charles Alexander Waterous, Brantford, Ontario, Canada
Application June 29, 1933, Serial No. 678,296
10 Claims. (Cl. 83—75)

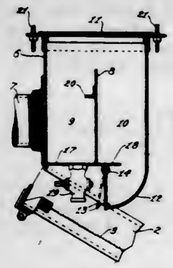
1. In a magazine grinder and in combination, a grinding pocket, a magazine positioned above

the pocket, a shut off member operating between the pocket and magazine, a door mounted on one side of the magazine, said door being swingable outwardly from the magazine and an adjustable stop member movable with the shut off



member designed to contact with the door when the shut off member is in its normal shut off position.

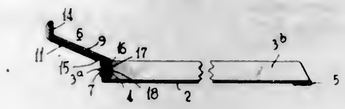
2,039,573
APPARATUS FOR FEEDING LIQUID
Don A. Weber, Fort Wayne, Ind., assignor to The Deister Concentrator Company, Fort Wayne, Ind., a corporation of Indiana
Application July 25, 1932, Serial No. 624,414
17 Claims. (Cl. 210—149)



1. A liquid feeding apparatus, comprising, a feed box having an enlarged receiving compartment provided with a liquid inlet thereto, a dispensing compartment adjacent said receiving compartment, a partition between said compartments rising above said inlet adapted to provide a weir over which the liquid flows into said dispensing compartment, a dispensing outlet for said dispensing compartment, and controlling means adapted to provide a sheet flow therefrom.

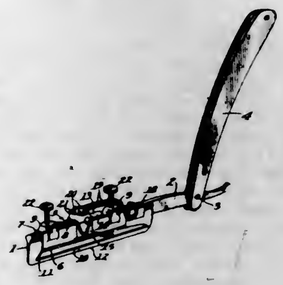
2,039,574
CONTAINER HANDLE
Osmund L. Wenderoth, Baltimore, Md.
Application October 30, 1935, Serial No. 47,491
2 Claims. (Cl. 220—94)

2. In combination with a suitable container, a handle comprising a body portion of one piece of sheet metal, including a U-shaped leg at one end, a folded flat hand grip portion having upper and lower ply sections extending outwardly and upwardly from the said U-shaped leg portion, means to secure the said upper and lower ply sections together, and a brace member extending downwardly from the lower ply section



at the other end of the said body portion, said container having a flange shaped to cooperate with the U-shaped leg and brace member of the said handle.

2,039,575
RAZOR GUARD
Albert Winterkorn, Columbus, Ohio
Application April 23, 1935, Serial No. 17,816
7 Claims. (Cl. 30—79)



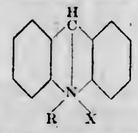
2. Safety appliances for hollow ground razor blades comprising a metallic casing formed to include resiliently separable side walls arranged to be frictionally received upon the razor blade, said walls terminating in guarding ribs arranged to lie and extend contiguous to the cutting edge of the razor blade, spring means detachably carried by the razor blade separately from the guard casing and cooperative with the latter to force said ribs toward the cutting edge of the blade, and threaded means arranged at each end of the guard casing cooperative with the back of the razor blade to limit the action of said spring means and maintain said ribs in parallel relationship with the cutting edge of said blade.

2,039,576
METHOD OF TREATING HYDROCARBON MOTOR FUELS AND PRODUCTS RESULTING THEREFROM
George W. Ayers, Jr., Chicago, Ill., assignor, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 1, 1934, Serial No. 746,419
4 Claims. (Cl. 44—9)

1. The process of producing stabilized gasoline from distillate resulting from vapor phase cracking of hydrocarbon oil which comprises contacting said distillate with an adsorptive polymerizing catalyst at a temperature at which a substantial portion of the distillate is in the vapor phase and thereafter adding to said distillate a small proportion of an amino benzene in sufficient amount to inhibit formation of gum.

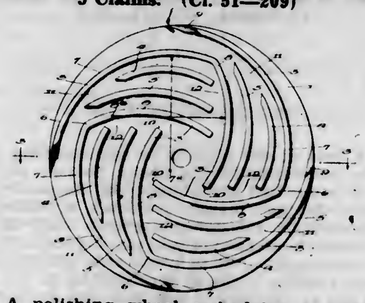
2,039,577
COMPOUNDS OF THE ACRIDINIUM SERIES AND A PROCESS OF PREPARING THEM
Louis Benda, Frankfort-on-the-Main, and Otto Sievers, Frankfort-on-the-Main-Hochst, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 13, 1933, Serial No. 671,004. In Germany May 23, 1932
13 Claims. (Cl. 260—14)

1. The process which comprises causing a water-soluble salt of an arylarsonic acid in an aqueous solution to act upon a water-soluble acridinium compound of the following general formula:



which may be substituted by amino, alkyl or alkoxy groups and wherein R stands for a lower alkyl or a lower hydroxyalkyl group and X stands for a mineral acid anion or a lower carboxylic acid anion.

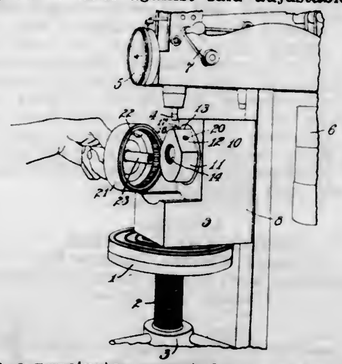
2,039,578
POLISHING WHEEL
Eugene B. A. Blount, Athens, Ga.
Application April 20, 1935, Serial No. 17,512
5 Claims. (Cl. 51—209)



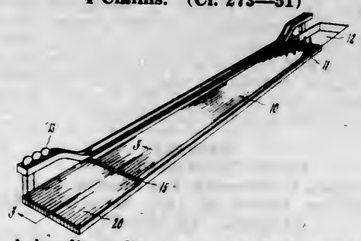
1. A polishing wheel embodying a rotatable disk having upon its working face a plurality of sets of scrolls, each set including an outer scroll and an inner scroll, said outer scroll terminating at its leading end at the periphery of the disk and terminating at its trailing end adjacent the center of the disk a' a point substantially closer to said center than is the trailing end of said inner scroll and having an abrupt change in its direction, said leading end and said trailing end of said outer scroll being positioned on opposite sides of the diameter of the disk passing through said point of abrupt change in direction and said ends being positioned on a line which is on the opposite side of the center of the disk from said point of abrupt change in direction of the scroll.

2,039,579
HARDNESS TESTER
Augustus B. Bolender, Muncie, Ind., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application September 29, 1932, Serial No. 635,313
1 Claim. (Cl. 265—12)

The combination with a hardness testing machine including an adjustable abutment, a plunger cooperating with said abutment, means for applying a determinable "minor load" upon said plunger, means for applying a predetermined "major load" upon said plunger, and an indicator, of an anvil comprising a U-shaped member adapted to abut against said adjustable abutment, a penetrator mounted on one arm of said anvil, said arm having a recess extending thereinto substantially parallel with the axis of said arm to receive a portion of the article to be tested.

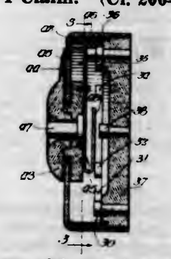


2,039,580
BOWLING ALLEY AND METHOD OF REPAIRING SAME
Bee Borders, Springfield, Vt.
Application March 6, 1935, Serial No. 9,580
4 Claims. (Cl. 273—51)



1. A bowling alley having a foul line and an approach terminating at said foul line, said approach having a foundation layer and a surface layer, said surface layer being in the form of a unitary platform removably secured on the foundation layer flush with the main surface of the alley.

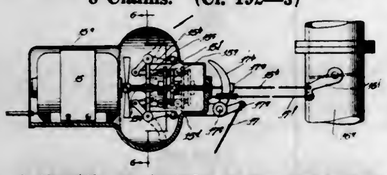
2,039,581
DOORBELL SWITCH
David Brown, Chicago, Ill.
Application September 30, 1935, Serial No. 42,778
1 Claim. (Cl. 200—4)



A switch comprising a base member; a plurality of circumferentially arranged electric contacts thereon; a central contact on said base

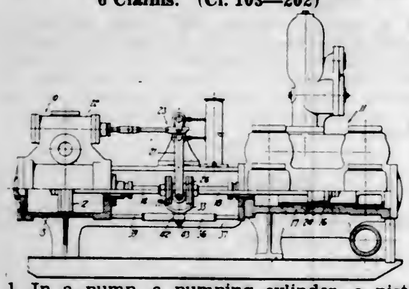
member; a casing on said base member and enclosing said contacts; a push button block rotatably mounted on said casing with its axis of rotation in alignment with said central contact; a push button mounted in said block at the axis of rotation thereof; and a selective spring switch member secured to the under side of and projecting radially from said block, the outer end of said switch member making selective rubbing engagement with said circumferential contacts, the inner portion of said switch member resting against and yieldingly pressing said push button outwardly, and the extreme inner end thereof being rebent to form a spring electric contact arranged to engage said central contact when said push button is depressed.

2,039,582
MOTOR CAR CONTROL
Wilbur E. Chance, Chicago, Ill.
Application April 1, 1935, Serial No. 14,190
8 Claims. (Cl. 192—3)



1. A throttle control for motor cars comprising a support on the steering wheel, a rotatable member over the support, co-acting electrical contact means between the member and the support, an electrical circuit, a resistance in the latter variably controlled by the progressive motion of the rotatable member, a motive unit in the circuit and having a speed controlled by the value of the resistance, and means actuated by the motive unit to control the throttle according to the speed of the motive unit.

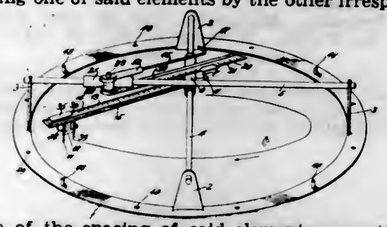
2,039,583
PUMP CONSTRUCTION
Francis L. Dieterich, Los Angeles, Calif.
Application August 30, 1935, Serial No. 38,567
6 Claims. (Cl. 103—202)



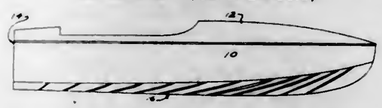
1. In a pump, a pumping cylinder, a piston having reciprocating movement within the cylinder, a piston rod connected to the piston, and means including a guide track extending generally in the direction of the axis of the piston rod, for turning the piston by small increments during each stroke of the piston in one direction.

2,039,584
DRAWING INSTRUMENT
Paul H. Dixon, Springfield, Ill.
Application January 8, 1934, Serial No. 705,661
12 Claims. (Cl. 33—31)

1. A drawing instrument comprising two relatively rigid rods supported in planes at right angles to each other and each extending substantially beyond both sides of the other, a sleeve mounted for longitudinal sliding movements along each of said rods to either side of the other rod, a vertical rotary element supported by each of said sleeves, a device for connecting and holding said rotary elements spaced apart and for rotating one of said elements by the other irrespective of the spacing of said elements, a vertical pivot device for engaging both of said sleeves and holding said sleeves from relative movement, means for rotating one of said elements and thereby rotating the other by said device, and a marker connected with and operated by said other element.

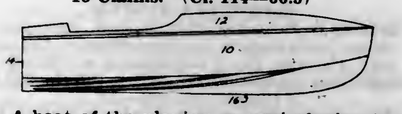


2,039,585
PLANING BOAT
George G. Eddy, Manistee, and Charles Douglas Van Patten, Flint, Mich.; said Van Patten assignor to said Eddy
Application May 23, 1935, Serial No. 22,976
21 Claims. (Cl. 114—66.5)



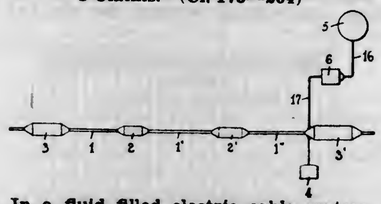
1. A boat of the planing or semi-planing type having substantially the entire bottom surface thereof comprised of a plurality of diagonally extending distinct planing surfaces arranged in complementary relation on opposite sides of the keel of said boat, each of said planing surfaces being substantially flat in transverse section, each of said planing surfaces terminating at its forward end at the bilge of said boat and at its rearward end at the said keel, each of said planing surfaces being separated from the next adjacent planing surface by a relatively sharp jog, the vertical surfaces of said jogs facing rearwardly, and the distance of the point of junction of each said jog with the keel from the point of junction of said each said jog with the bilge, measured in a direction parallel to the keel of the boat, increasing in the direction of from the stern toward the bow over the greater portion of the length of the boat.

2,039,586
PLANING BOAT
George G. Eddy, Manistee, and Charles Douglas Van Patten, Flint, Mich.; said Van Patten assignor to said Eddy
Application May 23, 1935, Serial No. 22,977
18 Claims. (Cl. 114—66.5)



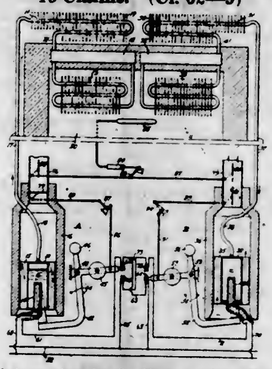
1. A boat of the planing or semi-planing type having substantially the entire bottom surface thereof comprised of a plurality of diagonally and longitudinally extending distinct planing surfaces arranged in complementary relation on opposite sides of the keel of said boat, each of said planing surfaces merging at its rearward end into a plane common to the rear ends of the remaining planing surfaces on the corresponding side of said keel, and each of said planing surfaces being separated from the next adjacent planing surface by a relatively sharp outwardly facing jog except at said rearward end.

2,039,587
FLUID FILLED ELECTRIC CABLE SYSTEM
Luigi Emanueli, Milan, Italy, assignor to Società Italiana Pirelli, a company of Italy
Application November 18, 1933, Serial No. 698,714
In Italy December 3, 1932
8 Claims. (Cl. 173—264)



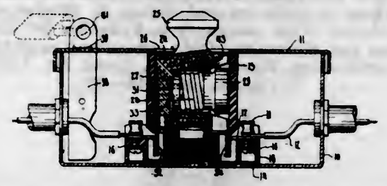
1. In a fluid filled electric cable system, the combination with a cable section, of a feeding reservoir and a pressure reservoir connected therewith, the connection between said pressure reservoir and cable being constantly open and a regulating device interposed in the connection between said feeding reservoir and the cable and having a single normally closed valve controlling the passage of fluid therethrough in both directions, said device comprising means responsive to a predetermined difference in pressure for opening said valve.

2,039,588
REFRIGERATION
Erik August Forsberg, Stockholm, Sweden, assignor, by meane assignments, to Servel, Inc., New York, N. Y., a corporation of Delaware
Application December 31, 1935, Serial No. 56,879
In Sweden August 25, 1933
15 Claims. (Cl. 62—5)



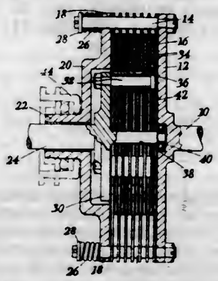
1. A refrigerator including a plurality of intermittent absorption refrigeration systems having alternate heating and refrigerating periods, a heater for each of said systems, and means for automatically controlling operation of said systems including shutting off a heater at the end of a heating period of the respective system without affecting operation of another of said systems.

2,039,589
SWITCHING DEVICE
Harrison J. L. Frank, Detroit, Mich., assignor to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Application October 29, 1934, Serial No. 750,492
5 Claims. (Cl. 200—133)



1. In an accessible fuse safety type switching device, an accessible contact receptacle, and a fuse carrying plug formed to be insertable into or withdrawable partially or completely from said receptacle, the plug and receptacle being complementarily formed to cooperate with each other in four different positions: when the plug is fully inserted into said receptacle, receptacle contacts are inaccessible and contact is made; when the plug is partially withdrawn the fuses thereof are exposed and receptacle contacts are inaccessible and contact is broken; when the plug is completely withdrawn from the receptacle, the fuses thereof are exposed, the receptacle contacts are accessible, and contact is broken; and when the plug is in the receptacle in a position 180 degrees reversed from the first mentioned position the plug is held in the receptacle with the receptacle contacts in accessible but with contact broken, reversal of the plug from one fully inserted position to the other being necessarily preceded by complete withdrawal of the plug from the device, the device including personally controllable means operable optionally for preventing the plug from being completly withdrawn while permitting the plug to be partially withdrawn or for permitting the plug to be completely withdrawn.

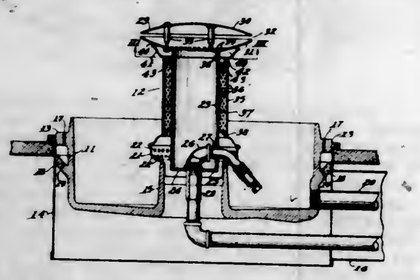
2,039,590
FRICTION CLUTCH
James Edward Freeborn, London, England, assignor to Freeborn Power Converters Limited, London, England, a British company
Application September 21, 1934, Serial No. 744,995
In Great Britain October 4, 1933
5 Claims. (Cl. 192—69)



5. A plate clutch comprising driving and driven members, plates mounted upon one of said members to rotate eccentrically with respect to the axis of rotation of the clutch and plates mounted concentrically upon the other clutch member, said first mentioned plates having parts only of their surfaces in contact with the plates

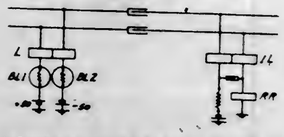
of the other clutch member, said parts lying substantially wholly on one side of diameters of such first mentioned plates.

2,039,591
AIR DISTRIBUTOR FOR OIL BURNERS
Jackson G. Gilmore and Milton D. Huston, Columbus, Ohio, assignors to Franklin Oil Heating Inc., Columbus, Ohio, a corporation of Ohio
Application March 4, 1935, Serial No. 9,248
13 Claims. (Cl. 158—92)



1. In oil burning apparatus, an oil receiving bowl, a hollow open-air ended distributor arising vertically and axially from the bottom of said bowl, said distributor including lower and upper apertured heads for the release respectively of primary and secondary air streams from the distributor, a cylindrical perforate outer shell disposed between said heads, said shell being in communication with the lower head and terminating adjacent to the upper of said heads, an imperforate tube arranged within said shell and spaced from the walls of the latter, said tube serving to conduct secondary air from the bottom of said distributor to the upper of said heads, means for metering the amount of air entering the bottom of said tube, and means for supplying air under pressure to the lower portion of the distributor.

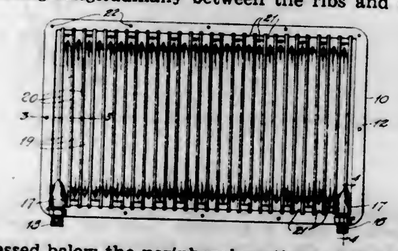
2,039,592
TELEPHONE SYSTEM
William Herbert Grinsted, Bromley, and James Errigal Tees, London, England, assignors to Siemens Brothers & Company Limited, London, England
Application August 18, 1933, Serial No. 685,710
In Great Britain August 25, 1932
5 Claims. (Cl. 179—51)



1. In a telephone line talking bridge wherein a current source of one voltage is ordinarily employed in the bridge to serve subscribers' lines of widely varying electrical characteristics, the inclusion of an additional source of current potential to insure sufficient current flow when the electrical characteristics of lines unfavorable to satisfactory operation when the first specified current only is employed, together with the inclusion of a ballast resistance for preventing an excessive current to flow when a line of favorable electrical characteristics to the first specified current value is connected to the bridge.

2,039,593
HEAT TRANSFER COIL
Theodore N. Hubbuch and William G. O'Toole, Louisville, Ky.
Application June 20, 1935, Serial No. 27,589
1 Claim. (Cl. 257—256)

A cooler of the class described including a pair of complementary cast plates of like form, each of said plates having a groove in one face formed of straight parallel portions connected at their ends by return bends, said grooves registering with each other to form a tube and provided with inlet and outlet openings at the opposite ends of said tube, the faces in which the grooves are formed being plane surfaces to fit tightly together, the remaining faces of said plates being provided with ribs extending in alinement with the grooves, said last faces having grooves extending longitudinally between the ribs and de-



pressed below the peripheral portions of the said last faces to provide thin walls for the straight portions of the tube, said peripheral portions having complementary semi-circular grooves surrounding the first mentioned grooved portions, an elastic gasket held in said semi-circular grooves and sealing the joint between said plates, bolts passing through the peripheral portions between the gasket and the edges of the plates, and wing nuts on said bolts to force the plates together and compress the gasket.

2,039,594
CLEANING DEVICE
Hester W. Hunter, Geneva, Ill.
Application December 10, 1934, Serial No. 756,793
15 Claims. (Cl. 15—231)



1. In a cleaning element, a roll of cleaning material containing a longitudinally elongated transverse aperture penetrating the roll from outside to inside of the roll, the longitudinal extension of the aperture, in parallelism with the axis of the roll, being substantially greater than its width.

2,039,595
METHOD OF TREATING HYDROCARBON MOTOR FUELS
Julius Hyman and George W. Ayers, Jr., Chicago, Ill., assignors, by mesne assignments, to Gasoline Antioxidant Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 18, 1930, Serial No. 421,866
3 Claims. (Cl. 44—9)

1. The method of preparing substantially gum-free and gum-stable motor fuel from vapor phase cracked mineral oil which consists in contacting cracked oils boiling within the gasoline range with selective polymerizing catalyst under temperature and pressure conditions to maintain a substantial portion of said oils in vapor phase in order to remove gum and gum forming constituents and then adding to the degummed oil a small quantity of gum inhibitor sufficient to inhibit further formation of gum.

2,039,596
SLEEVE FORMER
Clarence C. Jackson, Whittier, Calif., assignor to S. H. Davis, Omaha, Nebr.
Application May 6, 1933, Serial No. 669,733
6 Claims. (Cl. 223—63)



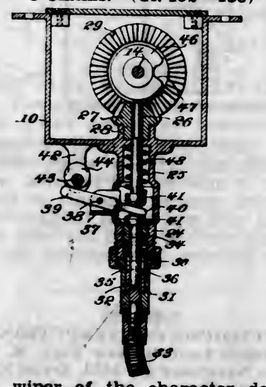
1. A sleeve-former comprising: two forming members disposed in parallel relation; spring means secured to said members and resiliently biasing the same outwardly from one another in spaced relation; compressing means operatively engaging said members at one end thereof for compressing said spring means to cause inward movement of said members toward one another at said one end; positioning means operatively associated with said compressing means and disposed on one of said members at the end thereof opposite said one end for positively positioning said members with respect to outward spacing thereof at said one end; and additional positioning means operatively associated with said compressing means and disposed on the other of said members at the end thereof opposite said one end for positively positioning said members with respect to outward spacing thereof at the opposite ends thereof.

2,039,597
PARACHUTE TOY
Jalmar Juhlin, Milwaukee, Wis.
Application December 12, 1934, Serial No. 757,203
3 Claims. (Cl. 46—86)



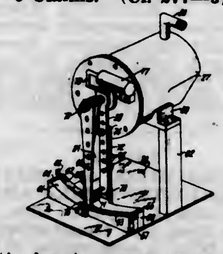
1. A toy comprising a parachute member attached to a tubular resilient member equipped with a band disposed to hold the unit in a folded position when the resilient tubular member encircles the parachute member.

2,039,598
WINDSHIELD WIPER
Charles F. Kaemmerlen and Elijah J. Willis, Morehead City, N. C.
Application December 30, 1935, Serial No. 56,778
3 Claims. (Cl. 192—138)



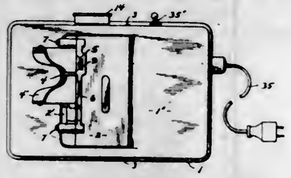
1. In a wiper of the character described, a driven shaft, a driving shaft, a shiftable shaft for detachable coupling with the driving shaft, gears operatively connecting the shiftable shaft and driven shaft together, and a notched disk fixed to the driven shaft and having its notch receiving the shiftable shaft on uncoupling of the latter from the driving shaft.

2,039,599
REACTIONLESS VALVE
Paul W. Koch, Brooklyn, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Original application April 6, 1932, Serial No. 603,646. Divided and this application December 27, 1932, Serial No. 649,095
6 Claims. (Cl. 277—3)



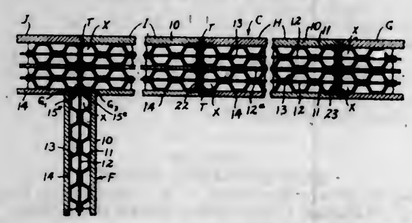
6. A reactionless two-way valve mechanism for controlling fluid pressures, comprising a member having ports adapted for connection to apparatus to be controlled by said fluid pressures, a strip of flexible material for each of said ports and cooperating therewith to cover the same, means for moving, one at a time, one end of one of said flexible members in one direction and one end of the other of said members in an opposite direction to uncover said ports one at a time whereby the other of said ports remains covered at that time, and resilient means opposing the movement of said last-mentioned means in either direction whereby said ports are again covered by said strips.

2,039,600
CARD PRINTING MACHINE
Joseph Locke, Syracuse, N. Y., assignor to Gaylord Bros., Inc., Syracuse, N. Y., a corporation of New York
Application September 30, 1935, Serial No. 42,904
23 Claims. (Cl. 101—287)



1. In a card printing machine, cooperative printing elements between which the card is adapted to be inserted and removed, means for actuating said printing elements to print upon the inserted card, and means for preventing further printing until the card has been moved an appreciable distance from between the printing elements.

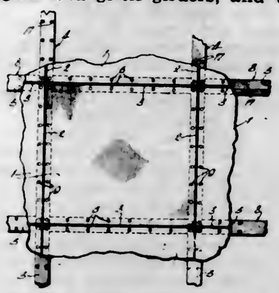
2,039,601
BUILDING CONSTRUCTION
Bernard London, New York, N. Y.
Application November 14, 1934, Serial No. 752,969
27 Claims. (Cl. 72—16)



1. In construction of the character described, in combination, a building unit of substantial length and breadth and comprising two spaced outer sheet-like members of suitable material, and a plurality of intervening otherwise open-pocketed members respectively secured to each other and to said outer members, thereby to close the pockets and form sealed air cells, one or more of said intervening members being made of a material that is a poor conductor of heat.

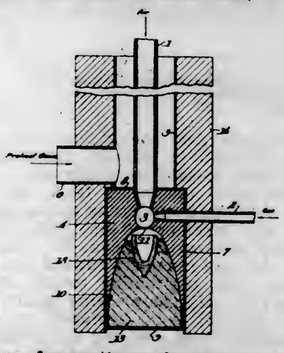
2,039,602
GAS HOLDER SHELL AND METHOD OF FABRICATING THE SAME
Raphael B. Luebbe, Cincinnati, Ohio, assignor to The Stacey Bros. Gas Construction Company, Cincinnati, Ohio, a corporation of Ohio
Original application March 4, 1935, Serial No. 9,245. Divided and this application December 14, 1935, Serial No. 54,525
18 Claims. (Cl. 29—148.2)

3. The method of constructing a holder shell for a gas reservoir of the type including a vertically translatable piston therein, comprising, the steps of fabricating a generally cylindrical lattice work of uprights and girth girders, providing a multiplicity of plates, positioning and supporting said plates on the inner side of said lattice work for the subsequent operations of welding by means of pegs inserted through said uprights and girth girders and said plates, with each margin of each plate supported by respective uprights and girth girders, and thereafter



welding said plates to said uprights and girders.

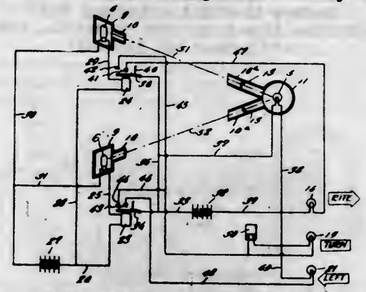
2,039,603
METHOD FOR THE PRODUCTION OF HOT REDUCING GASES
Charles G. Maier, Berkeley, Calif., assignor, by mesne assignments, to The Mountain Copper Company, Ltd., a corporation of Great Britain
Application May 7, 1932, Serial No. 609,965
5 Claims. (Cl. 48—196)



1. Process for continuously converting a hydrocarbon into a gaseous product consisting essentially of carbon monoxide and hydrogen and substantially free of carbon dioxide, water vapor and unreacted hydrocarbon which comprises mixing a stream of the hydrocarbon in gaseous state with a stream of an oxygen-containing gas in proportion substantially just sufficient to convert the carbon content of the hydrocarbon into carbon monoxide and at a temperature sufficient to initiate chemical reaction with the hydrocarbon, passing the mixture from the point of mixing into initial contact with a catalytic mass at a velocity at least sufficient to prevent flame, and subsequently gradually reducing the velocity of the mixture as it flows in contact with the catalytic mass while maintaining the velocity of the mixture sufficient to prevent flame.

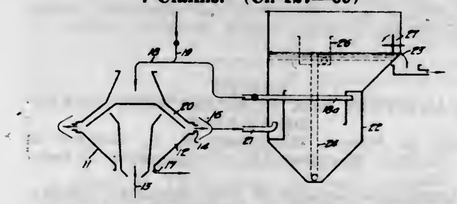
2,039,604
SIGNAL FOR MOTOR VEHICLES
Aubrey D. Miller, Fort Wayne, and Ervin O. Bade, Waynedale, Ind.
Application September 5, 1934, Serial No. 742,768
2 Claims. (Cl. 177—339)

1. In combination, a vehicle, a signal thereon, photo-electric control means for the said signal, a source of light situated on said vehicle so as to throw a beam of light upon the photo-electric element of said means to keep said signal inoperative, the path of said beam being in the vicinity of the



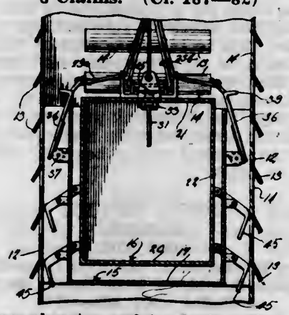
operator of the vehicle whereby it may be blocked off by the operator who operates the signal.

2,039,605
STARCH MANUFACTURING PROCESS
Albert Peltzer, Jr., Palo Alto, Calif., assignor to Merco Centrifugal Separator Co. Ltd., San Francisco, Calif., a corporation of California
Application July 31, 1933, Serial No. 682,909
7 Claims. (Cl. 127—69)



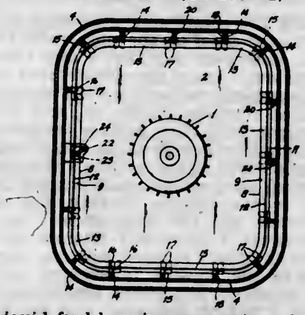
5. In a process of the character described for the production of starch from wet starch bearing feed material containing gluten and fibrous material, the steps of separating the feed into a starch underflow and a gluten overflow containing a majority of the fibrous material, by centrifuging, said centrifuging being characterized by the continuous return of a portion of the underflow back to the zone of separation, and being also characterized by a frothing of the underflow, and effecting further removal of gluten from the underflow by flotation.

2,039,606
ELEVATOR SAFETY DEVICE
Alfonso Porcelli, Hollis, N. Y.
Application November 30, 1935, Serial No. 52,424
8 Claims. (Cl. 187—82)



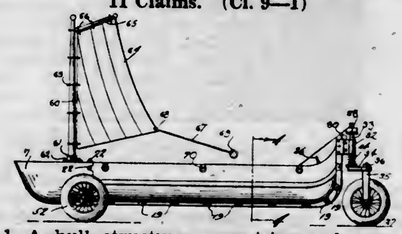
1. In an elevator safety device, the combination with a shaft having racks, of a cage and car vertically movable in the shaft, a cable for the suspension of the cage and car, and safety catches carried by the cage adapted for engagement with the shaft racks and engaged with the cable to be normally held in inoperative position, other safety catches carried by the cage and car, cooperating means carried by the cage and car for normally holding the car elevated in the cage and the last named catches inoperative and manually operable means in the car for separating the cooperating means whereby the car may descend within the cage and the said catches rendered operable.

2,039,607
LIQUID FUEL BURNING APPARATUS
Milton A. Powers, Detroit, Mich., assignor to The Timken Silent Automatic Company, Detroit, Mich., a corporation of Michigan
Application July 1, 1932, Serial No. 620,373
18 Claims. (Cl. 158—4)



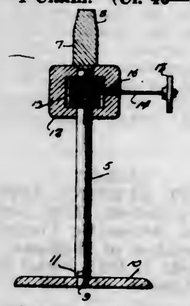
1. Liquid fuel burning apparatus of the rotary wall flame type comprising a combustion chamber having a peripheral wall, a vaporizing and carbureting structure comprising a troughed step member of imperforate sheet material of high heat conductivity having an upwardly extending impact wall portion along its outer margin spaced away from said wall, centrifugal means for spraying oil against said impact wall portion and means for directing a current of air towards said troughed step member, said air current being deflected upwardly by said step member.

2,039,608
LAND AND WATER VEHICLE
Anton Ruzicka, Chicago, Ill.
Application September 13, 1935, Serial No. 40,489
11 Claims. (Cl. 9—1)



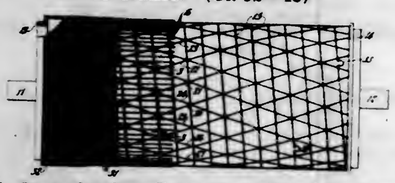
1. A hull structure comprising a base plate having a bow portion, an inflatable rubber U-shaped bag having the ends of the legs secured to the bow-portion, the legs of the bag being disposed at opposite sides of the base plate and the closed end located at the rear end thereof, means for reinforcing the U-shaped bag and straps carried by the rubber bag for attachment to the base plate.

2,039,609
SPINNING TOY
Gavro Savich, East Akron, Ohio
Application January 16, 1934, Serial No. 706,859
1 Claim. (Cl. 46—59)



A spinning toy comprising a cylindrical spindle, an enlarged head at the upper end thereof defining an abutment shoulder, a disk wheel secured to the lower end of the spindle, said spindle having an annularly reduced portion spaced from the abutment shoulder of the enlarged head, a housing surrounding the reduced portion and having a chamber therein of the same length as the reduced portion of the spindle and of greater diameter than said spindle, said housing having a bearing on the spindle at each side of the reduced portion with the inner ends of the bearings respectively transversely aligned with the ends of the annularly reduced portions when the upper end of the housing is engaged with the abutment shoulder to prevent binding and entangling of a flexible actuator, and one of said bearings supportingly engaging the abutment shoulder of the head, a flexible actuator extending through the housing and having its inner end connected to the reduced portion of the spindle whereby rotary movement may be imparted to the spindle upon reciprocatory pulls on the flexible actuator.

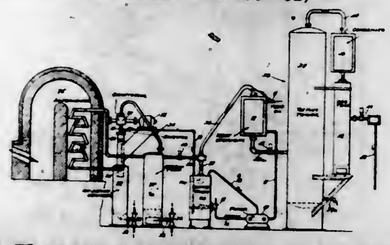
2,039,610
DANDY ROLL
Peter S. Sinclair and Kenneth C. Gosling, Holyoke, Mass., assignors to The Sinclair Company, Holyoke, Mass., a corporation of Massachusetts
Application October 3, 1934, Serial No. 746,633
15 Claims. (Cl. 92—48)



1. In a dandy-roll, a supporting structure in the form of a helically disposed member of a very small pitch and two sets of helically disposed reinforcing members of very large pitch, one set of said helically disposed reinforcing members extending in the direction of a right-hand screw and the other set of said helically disposed reinforcing members extending in the direction of a left-hand screw.

7. In a dandy-roll, a supporting structure in the form of a helix, longitudinal rods positioned across the outer edges of the convolutions of the helix and secured thereto, and an expansion loop positioned in said helix near the end thereof.

2,039,611
PROCESS AND APPARATUS FOR CRACKING OIL
Andrew L. Still, Los Angeles, Calif.
Application March 26, 1929, Serial No. 349,948
10 Claims. (Cl. 196—61)



1. The method of distilling petroleum oil that includes injecting feed oil into a chamber with superheated vapors from previously vaporized feed oil thereby vaporizing a portion of said feed oil, withdrawing and separating from the resulting mixture the unvaporized residual liquid, superheating and cracking vapors discharged from said chamber, returning a portion only of the superheated and cracked vapors to said chamber together with subsequent feed oil to be vaporized and subjecting the remaining superheated and cracked vapors to condensation.

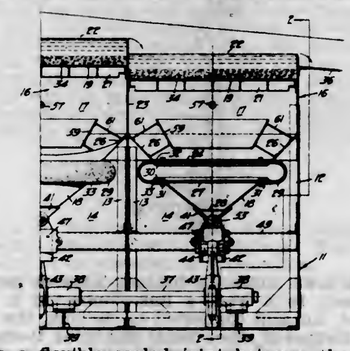
2,039,612
PARTITION FOR COMPARTMENT BOXES OR CRATES
Earl R. Stivers, Rockaway, N. J., assignor to Stapling Machines Co., a corporation of Delaware
Application October 30, 1934, Serial No. 750,682
7 Claims. (Cl. 217—7)



1. A partition for a compartment box or crate comprising two panels of substantially the same size located face to face and secured together to form an integral structure, and wire binders interposed between the panels and secured to one of the panels and extending beyond opposite edges thereof, the extending portions of the wire binders being provided with bights adapted for hooking engagement with a box side to hold the partition in place.

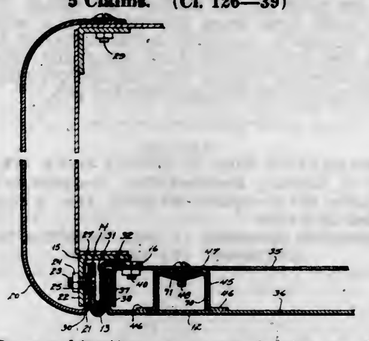
2,039,613
ORE JIG
Bjorn R. Storsand, San Francisco, Calif.
Application October 3, 1933, Serial No. 691,941
1 Claim. (Cl. 209—457)

In an ore jig, a stationary tank having an opening in its lower end, the opening being substantially in a horizontal plane, a stationary jig bed carried within the upper part of the tank, baffle means carried within the tank above said lower opening but below the jig bed, a downwardly convergent bottom container disposed directly below the opening in the tank, the upper end of the bottom container having an opening similar in contour to the lower opening in the tank, an outwardly bulged flexible wall section serving to



form a flexible sealed joint between the lower edge of the tank and the adjacent upper edge of the bottom container, means serving to guide the bottom container for movement in a vertical direction, and means disposed exteriorly of the tank and the bottom container for reciprocating the bottom container in a vertical direction.

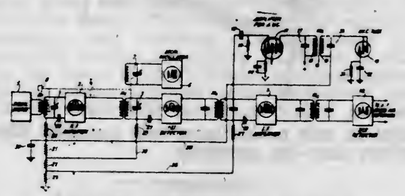
2,039,614
STOVE CONSTRUCTION
Albert H. Tinnerman, Cleveland, Ohio
Application January 9, 1935, Serial No. 1,009
5 Claims. (Cl. 126—39)



3. In combination, a range having a door mounted on a vertical hinge, a frame having one leaf of the hinge affixed thereto, an enameled end panel having an inturned flange disposed between the hinge and the frame and means for retaining the panel in position without subjecting it to clamping pressure between the hinge and frame.

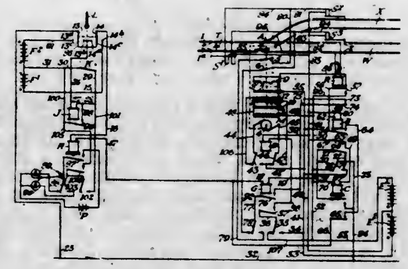
2,039,615
AUTOMATIC VOLUME CONTROL RECEIVER
Charles Travis, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application November 8, 1932, Serial No. 641,711
14 Claims. (Cl. 250—20)

1. In combination, with a radio receiver comprising a radio frequency amplifier, a detector having a tuned input circuit and a reproducer, a gain control tube coupled with the detector input circuit and the amplifier to maintain uniform the signal carrier level at the detector input circuit in spite of variations in the signal carrier level impressed on the amplifier, and means in-



cluding at least two overcoupled resonant circuits for coupling the gain control tube to the detector input circuit in such a manner that the coupling network has a double peaked resonance curve characteristic.

2,039,616
RAILWAY TRAFFIC CONTROLLING APPARATUS
Herbert A. Wallace, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application November 23, 1927, Serial No. 235,245
Renewed August 4, 1930
40 Claims. (Cl. 246—3)

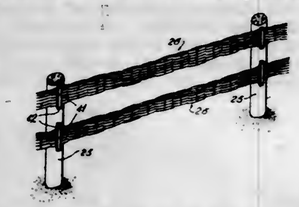


1. In combination with a railway traffic governing device, a first polarized relay, means for moving said device to one position or another according as said first relay is energized in the normal or reverse direction, a second polarized relay, a circuit including said first and second relays in series, manually operable means for supplying said circuit with current of one polarity or the other and of sufficient magnitude to energize the first relay but not the second relay, means operating when said device is being operated to supply the portion of said circuit including said second relay with current of sufficient magnitude to operate such second relay, and indication means controlled by said second relay.

2,039,617
SAFETY GUARD FOR HIGHWAYS
Charles G. Williams, Fairfield, Conn., assignor, by mesne assignments, to American Chain Company, Inc., New York, N. Y., a corporation of New York
Application June 30, 1933, Serial No. 678,321
20 Claims. (Cl. 256—13.1)

1. A highway guard comprising a series of supports, a vertical series of contiguous tension ele-

ments supported by and extending between said



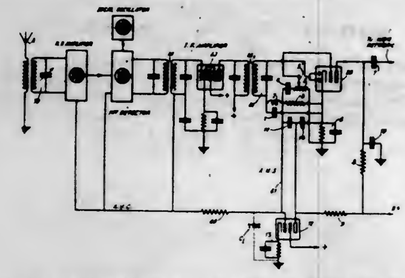
supports, and means tying said elements into a unitary tape-like structure.

2,039,618

AUTOMATIC CONTROL CIRCUITS

Jacob Yolles, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application February 21, 1934, Serial No. 712,289
10 Claims. (Cl. 250—20)



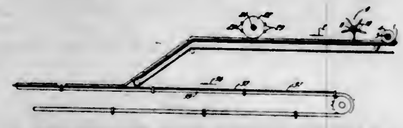
1. In combination with a receiver provided with a high frequency amplifier and a diode demodulator network, said demodulator network including a load resistor across which is developed a direct current voltage and an audio frequency voltage, an electron discharge tube having its grid to cathode capacity connected to said load resistor and providing an audio frequency attenuation path, a direct current connection between the negative side of said load resistor and the grid circuit of said high frequency amplifier, and a direct current connection between the grid of said electron discharge tube and the said negative side of the load resistor.

2,039,619

METHOD OF FORMING SHEET PRODUCTS

Clements Batcheller, Glens Falls, N. Y.

Application February 28, 1935, Serial No. 8,644
13 Claims. (Cl. 25—155)



1. The method of forming sheet products of the character described which comprises forming a blank of plastic material, cutting said blank into a plurality of said products, subjecting said blank to pressure to effect a dewatering thereof and a partial coalescence of said products into a substantially unitary slab, and thereafter subjecting said slab to a curing treatment.

2,039,620

TOWEL HOLDER

Joseph S. Bear, Detroit, Mich., assignor of one-third to Evelyn Schreiber, Detroit, Mich.

Application December 9, 1933, Serial No. 701,669
1 Claim. (Cl. 24—73)



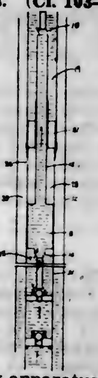
In a towel holder, a bracket adapted for attachment to a wall, a link connected to the bracket, an arm connected to the link, the arm being formed of sheet metal and being U-shaped in cross section and provided with a pair of extending lugs intermediate its ends, the end of the arm opposite the link being semi-spherical in form, a soft rubber cup secured in the semi-spherical end of said arm, a second arm formed of sheet metal substantially U-shaped in cross section and provided with a pair of lugs at one end, the lugs of the second arm fitting between the lugs of the first arm, a pivot pin extending through the lugs of both arms, the end of the second arm opposite the pivot being semi-circular in form, a button secured to the said end of the second arm, the second arm being turnable on the pivot pin to position the button in the cup, both arms being provided with a series of depressions in the outer surfaces thereof and a link extending about both arms and movable longitudinally thereof into the different depressions to press the button into the cup.

2,039,621

APPARATUS FOR PUMPING DEEP WELLS

Guy E. Behnke, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a corporation of Texas.

Application December 11, 1933, Serial No. 701,875
8 Claims. (Cl. 103—179)



1. In well pumping apparatus, the combination of a line of tubing, a line of sucker rods in said tubing, means reciprocable by said sucker rod line to pump fluid upwardly through said tubing, and a plurality of supporting means connected to said sucker rod line in spaced vertical tandem, each of said supporting means comprising a hollow piston and a hollow rod connected to and above said piston, sealing means between the tubing and said rod, said rod communicating with the interior of said tubing only at a point above said sealing means, and said piston communicating only with the interior of said rod and with the interior of said tubing below said piston, said tubing communicating with the well at a point between said piston and said sealing means, said sucker rod line with said supporting means being removable upwardly through said tubing without disturbing the position of said tubing in the well.

2,039,622

CONDENSER

Morris H. Bennett, Prospect, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut

Application June 17, 1932, Serial No. 617,778
15 Claims. (Cl. 74—10)



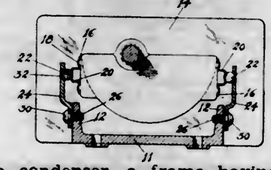
1. In a condenser, a set of stator plates, a set of rotor plates interleaved therewith, and driving means for said rotor plates including a sleeve having ball openings therein and having a bearing for a rotatable drive shaft, a drive shaft rotatable within said sleeve, a normally stationary sleeve-adjusting ball raceway, a thrust bearing for said shaft, sleeve-driving balls in the ball openings of said sleeve and bearing on said drive shaft and said stationary ball raceway, and a ball separator having yielding portions contacting with said balls and spacing them apart.

2,039,623

CONDENSER

Morris H. Bennett, Prospect, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut

Application August 11, 1932, Serial No. 628,287
4 Claims. (Cl. 175—41.5)



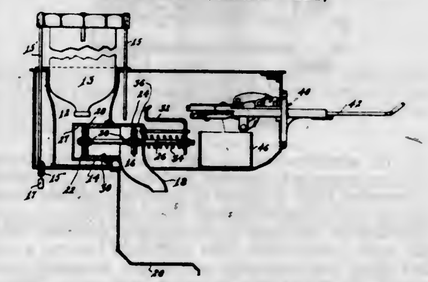
4. In a condenser, a frame having sides, a group of stator plates, a group of rotor plates interleaved therewith, and means for mounting the stator plates in the frame comprising opposed assembly members to which said stator plates are secured in permanent predetermined spaced relation to each other, each of said assembly members having a channel portion and each having spaced openings in the channel portion thereof, opposed holding plates adjustably secured to the frame sides and having openings therein spaced equally with and in cooperative relation to said first named openings, and mounting devices each of which bears partly against the edge of an opening in the holding plate and partly against the edge of an opening in said assembly member, said mounting devices being larger than their cooperating openings and extending partly into each of their cooperating openings, said opposed holding plates and mounting devices comprising insulation to insulate the stator from the frame, and said opposed holding plates exerting pressure towards each other through said mounting devices and said stator unit.

2,039,624

LIQUID DISPENSING DEVICE

Bryant Bigelow, Boston, Mass.

Application April 14, 1934, Serial No. 720,516
2 Claims. (Cl. 221—114)



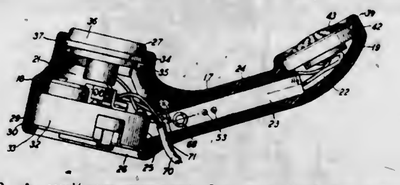
1. In a liquid dispensing device, a measuring chamber, and means for controlling the passage of liquid to and from said chamber; said means comprising a pair of valves and a rod on which the valves are mounted in spaced apart relation; a shoulder interiorly of the chamber, facing toward the entrance to said chamber and constituting a seat for one of said valves seating in the direction of flow into said chamber; each said valve being adapted to enter with nice fit the bore of the chamber, one into each end thereof, and said valves being coordinated for one valve to be out of the chamber when the other is seated against said shoulder, and for both to be within the chamber at one stage of movement of the valves.

2,039,625

ACOUSTIC DEVICE

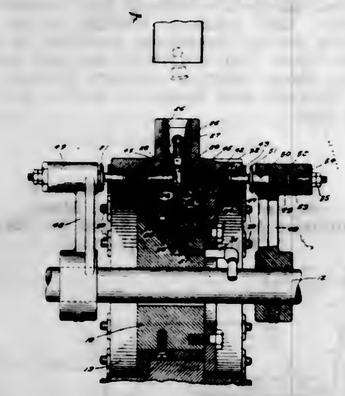
Nelson Blount, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 13, 1934, Serial No. 734,892
16 Claims. (Cl. 179—103)



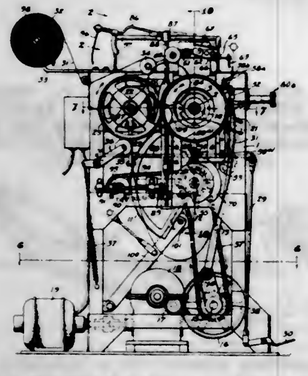
3. A unitary support for a telephone transmitter unit and a telephone receiver unit, said support having a handle portion having hollow end portions for said units defined by wall portions of a resilient material and normally of smaller internal dimensions than said units.

2,039,626
STRIPPING APPARATUS
Paul A. Raiche, Providence, R. I., assignor to Davol Rubber Company, a corporation of Rhode Island
Application March 14, 1934, Serial No. 715,385
13 Claims. (Cl. 18—2)



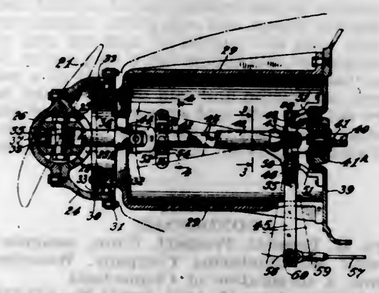
9. In combination, a fixed drum, a rotatable housing mounted thereon and having a plurality of recesses each adapted to receive a hollow form having ports therethrough and carrying an article made of resilient material, said recesses having open inner ends, and said hub having a radial duct for supplying air under pressure, and means for releasably gripping said form during the interval the open ends of the recesses become aligned with said drum duct, said means including spring pressed pins engageable with the form and cam abutments for periodically actuating said pins towards the form.

2,039,627
BEAD WRAPPING MACHINE
Walter J. Breth, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application June 5, 1935, Serial No. 25,107
18 Claims. (Cl. 154—9)



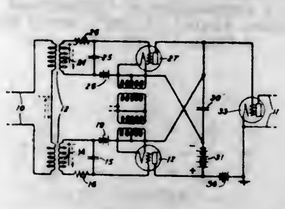
8. In a tire bead wrapping machine, a drum having a bead receiving and supporting groove, means for intermittently rotating said drum, a tape feeding drum, and means for continuously rotating said tape feeding drum.

2,039,628
PROPELLER DEVICE
Joseph Franklin Brown, New York, N. Y., assignor of one-half to Henry M. Stanley, New York, N. Y.
Application April 13, 1935, Serial No. 16,128
16 Claims. (Cl. 170—163)



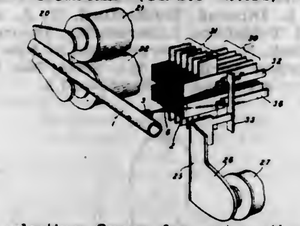
1. In a propeller device, in combination, a rotatable propeller hub, driving means adapted to rotate said hub, a journal bearing in said hub with its axis transverse to the axis of rotation of said hub, a propeller blade journaled in said bearing and extending outwardly from said hub, a lever arm, a universal pivotal mounting for said lever arm carried by said hub to rotate therewith and by means of which said lever arm is mounted upon said hub for swinging movement universally in any direction relatively to a central neutral position of said lever arm, said lever arm in its neutral position being in alignment with the axis of rotation of said hub, an operating connection between said lever arm and said propeller blade adapted to rotate the latter in its said journal bearing upon the swinging movement of said lever arm, and manually controlled means adapted to swing said lever arm in any desired direction relatively to its neutral position.

2,039,629
TELEGRAPH REPEATER
Everett T. Burton, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 23, 1930, Serial No. 490,585
20 Claims. (Cl. 178—70)



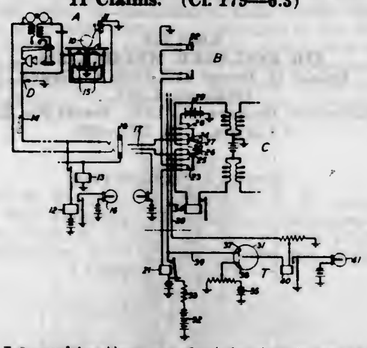
3. In a communication circuit, a signal repeater comprising instrumentalities for producing in response to each received signal impulse, a succession of short, sharp, discrete impulses of opposite polarities, mutually locking devices adapted to change from one stable condition to another in response to each of said discrete impulses, and a space discharge device adapted to remain stable in one of a plurality of conditions and solely responsive to said discrete impulses for changing from one of its conditions to another.

2,039,630
SELECTIVE SWITCH
John A. Burwell, Jackson Heights, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 20, 1935, Serial No. 32,323
5 Claims. (Cl. 179—27.54)



1. A selecting finger for automatic switches having a comparatively stiff straight portion and a helically coiled portion, a support for said finger at the outer end of said helical portion, means for operating said support to move said finger between two positions, and means mounted on said finger for damping the natural vibrations set up in said finger after it has been moved from one position to another.

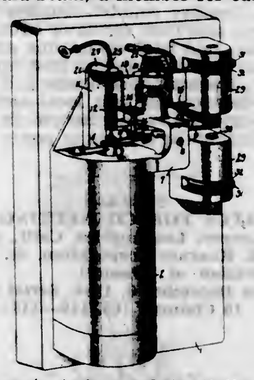
2,039,631
TEST CIRCUIT
Orfeo Cesareo, Washington Township, Bergen County, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 20, 1934, Serial No. 744,768
11 Claims. (Cl. 179—6.3)



1. In combination, an electric circuit capable of having either an inductive or a non-inductive characteristic, a test circuit including means for discriminating between inductive and non-inductive circuits, said means comprising a gas-filled tube, and means for associating said electric circuit with said test circuit to be tested thereby.

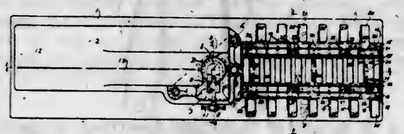
2,039,632
CONTACT MAKING VOLTMETER
Franklin J. Champlin, Dalton, Mass., assignor to General Electric Company, a corporation of New York
Application April 10, 1934, Serial No. 719,898
4 Claims. (Cl. 200—104)

4. A contact making voltmeter comprising, in combination, an operating magnet, a solenoid core therein, a stem on said core, a contact beam attached to said core, a main supporting casting enclosing said magnet, said casting being provided with a guide for said stem, said casting also being provided with a support for said contact beam, a pair of stationary contacts for cooperation with said beam, a member for carrying said



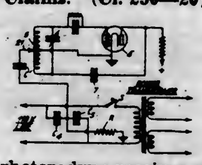
stationary contacts in a substantially horizontal plane on opposite sides of said beam support, and means for adjustably positioning said member on said casting.

2,039,633
GOLF BALL PRACTICE DEVICE
Luther I. Clark, Hewlett, N. Y.
Application December 19, 1933, Serial No. 703,065
14 Claims. (Cl. 273—35)



1. In a golf practice device, the combination of a base, a permanently teed, resilient practice ball thereon comprising a head having a resilient stem thereon, said stem being held in said base, normally unexposed, movable distance and direction indicating means rotatably located on said base within the path of movement of said head when the ball is struck and rolls connected to said indicating means adapted to move said indicating means to expose said unexposed indicating means upon impact of said ball.

2,039,634
HETERODYNE RECEIVER RADIATION SUPPRESSOR
Murray G. Clay, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application December 22, 1932, Serial No. 648,389
2 Claims. (Cl. 250—20)



1. In a superheterodyne receiver of the type including a local oscillator circuit adapted to produce local oscillation energy of a frequency sufficiently high to produce a super-audible intermediate frequency with incoming signal energy, means for substantially counteracting the effect

of a coupling between the local oscillator circuit and a circuit of the receiver adapted to radiate energy of said local oscillation frequency to radio receivers in the immediate vicinity, which means includes a reactive counter-coupling path coupled between said local oscillator circuit and said other circuit, said path comprising sufficient resistance for transmitting to said other circuit energy of a frequency magnitude and phase sufficient to balance out said local oscillator frequency energy fed to said other circuit, said other circuit including the energizing power line of the receiver.

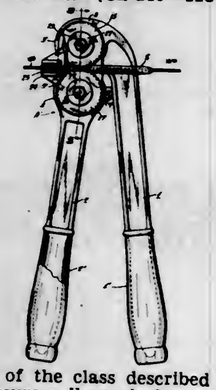
2,039,635

APPARATUS FOR CONNECTING WIRES

Ellis W. Cooper, Los Angeles, Calif., assignor to James R. Kearney Corporation, St. Louis, Mo., a corporation of Missouri

Application December 6, 1934, Serial No. 756,208

10 Claims. (Cl. 140—113)



1. A device of the class described comprising a pair of pressure rollers, shafts on which said pressure rollers are mounted for rotary movement therewith, hand-operated means comprising a pair of handle elements for actuating said pressure rollers, and means for transmitting intermittent rotary movement independently to both of said pressure rollers from said handle elements of the hand-operated means.

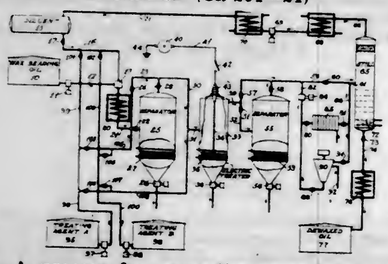
2,039,636

PROCESS FOR DEWAXING OIL

Lyle Dillon, Los Angeles, and Claude E. Swift, Glendale, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California

Application July 24, 1933, Serial No. 681,888

13 Claims. (Cl. 204—24)



1. A process for separating wax from wax-bearing oil comprising dissolving the wax-bearing oil in naphtha, mixing lampblack into the solution, chilling the mixture to precipitate wax, subjecting the mixture to an electric field and separating the wax from the oil.

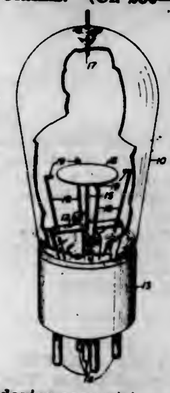
2,039,637

ELECTRIC DISCHARGE DEVICE

Thomas L. Dimond, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application April 10, 1935, Serial No. 15,539

6 Claims. (Cl. 250—27.5)



1. A trigger device comprising an enclosing vessel having a filling of argon, a cathode, an anode, and a plurality of control electrodes disposed about said cathode and equally spaced therefrom.

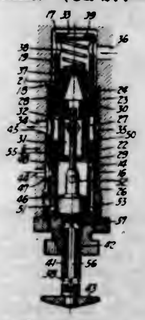
2,039,638

AIR INFLATER MECHANISM

Daniel O. Druge and Otto C. Druge, Oakland, Calif.

Application January 16, 1935, Serial No. 2,046

4 Claims. (Cl. 277—20)



1. An inflater mechanism comprising, a casing having a bore opening to a side thereof and formed with a shoulder intermediate the ends of the bore, a passageway arranged for connection to a source of air under pressure and opening to said bore at the inner side of said shoulder, a pair of passageways arranged for connection to a tire and a gauge respectively and opening to said bore at spaced points at the outer side of said shoulder, a shell inserted in said bore and formed with a pair of shoulders, packing rings fitting about said shell and against said shoulders and arranged to engage said bore shoulder and the sides of the bore intermediate said last named passageways to seal said passageways one from the other, and a valve mechanism enclosed within said shell and removable therewith as a unit from said bore and arranged to selectively connect said tire passageway to said source passageway or to said gauge passageway.

2,039,639

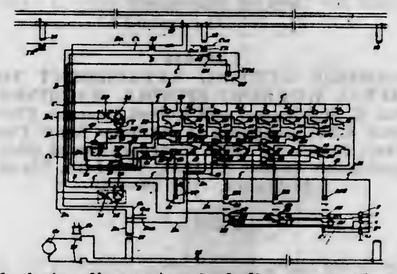
SIGNALING SYSTEM

Charles W. Failor, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application April 23, 1932, Serial No. 607,103

Renewed August 26, 1933

60 Claims. (Cl. 246—63)



1. A signaling system including: means to produce, under all traffic conditions, the same constantly recurring code cycles, each cycle consisting of a series of impulses and an interval between impulses together with an interval after each series of impulses of greater duration than an interval between impulses of the same series; traffic rails to receive the impulses; means to impress on the rails, in accordance with traffic conditions, a variable number of impulses of the series of impulses of the constant code cycles; and wayside traffic-controlling means variably responsive to the variable number of impulses of the series of impulses of the constant code cycles impressed on the rails.

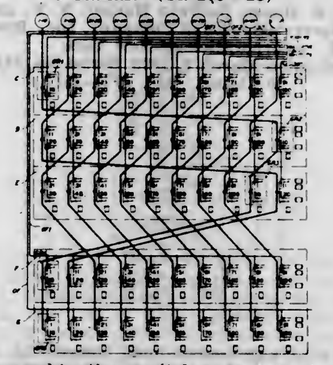
2,039,640

SWITCHING SYSTEM

James G. Ferguson, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application July 20, 1935, Serial No. 32,318

4 Claims. (Cl. 179—18)



1. In combination, switches, each having rows of separately operable contact sets, a group of incoming lines appearing in non-corresponding rows of contacts in a portion of said switches as first-choice switches and in one of said switches as an overflow switch, outgoing lines appearing in said first-choice switches, each outgoing line appearing in corresponding rows of said first-choice switches, and an outgoing line appearing in said overflow switch.

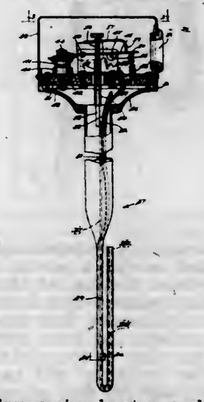
2,039,641

IMMERSION HEATER

Edwin C. Fichtner, San Francisco, Calif.

Application August 15, 1931, Serial No. 557,199

7 Claims. (Cl. 219—41)



1. In an immersion heater, a sheathed heating element, the sheath thereof being in intimate heat exchanging relation to the element, said element having a pair of legs forming an elongated U, and a member of low coefficient of expansion enclosed by the sheath and also forming a U, for controlling the element.

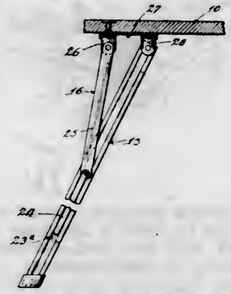
2,039,642

IRONING TABLE

Hyland C. Flint, Grosse Pointe, Mich.

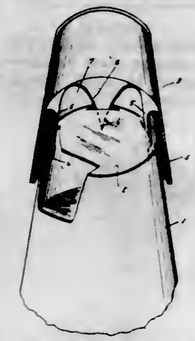
Application August 4, 1934, Serial No. 738,449

2 Claims. (Cl. 68—10)



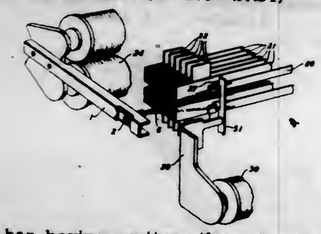
1. An ironing table comprising a board and a plurality of independent units for the support thereof, each of said units comprising a leg formed of channel members arranged back to back and having longitudinally extending registering deformed portions forming a guideway, one end of said leg being pivoted to said board and being movable from a folded position adjacent said board to an extended position beyond a ninety degree angle therewith, and a brace of fixed length having one end pivoted to said board at a position thereon spaced from the pivotal position of said leg, said guideway slidably receiving the other end of said brace and limiting the extended position thereof.

2,039,643
CONTAINER OPENER
Chester F. Gailer, New York, N. Y.
Application January 23, 1933, Serial No. 653,211
6 Claims. (Cl. 221—23)



1. A device for opening a sealed container comprising, a member having a portion adapted to telescopically receive the top of the container, and inclined prongs supported at their inner ends by said member and having their free ends project inwardly towards the axial center thereof whereby upon insertion of the container within said member the container will have portions thereof automatically cut and pressed inwardly to provide openings through which a liquid may pour from within a container.

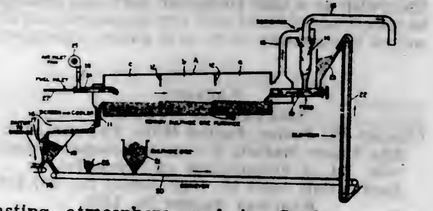
2,039,644
SELECTIVE SWITCH
Daniel H. Gleason, Mountain Lakes, and Frederic J. Redmond, Arlington, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 23, 1935, Serial No. 32,697
6 Claims. (Cl. 179—27.54)



1. A bar having portions thereof cut away at given intervals to form a plurality of elements integral with said bar, and contact operating members secured to said elements.

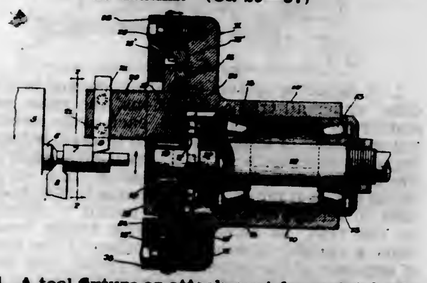
2,039,645
TREATMENT OF SULPHUR BEARING ORES
Ingenuin Hechenbleikner, Charlotte, N. C., assignor to Chemical Construction Corporation, Charlotte, N. C., a corporation of Delaware
Application October 4, 1932, Serial No. 636,141
7 Claims. (Cl. 75—7)

1. The process of treating sulphur bearing ores to desulphurize the same and to produce therefrom sulphur dioxide gas and a metal oxide, part of which is sintered and part is unsintered, which consists in admixing with the ore at least a part of the unsintered metal oxide of the ore substantially in the proportions of 25% of the ore and 75% of the oxide, in circulating the admixture in a continuous roasting operation through a



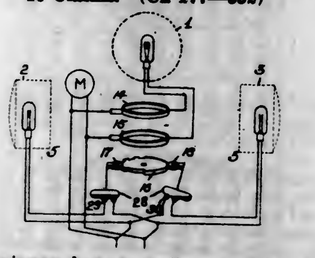
roasting atmosphere and in flowing oxygen through the roasting atmosphere.

2,039,646
ECCENTRIC CUTTING ATTACHMENT FOR METAL WORKING SPINDLE MACHINES
Cyrus H. Hoisington and Robert Beacom, Cleveland, Ohio, assignors to National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application August 22, 1934, Serial No. 740,865
20 Claims. (Cl. 29—57)



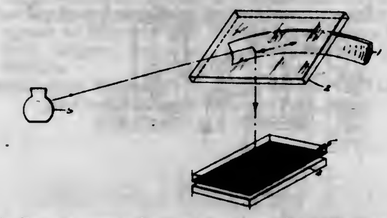
1. A tool fixture or attachment for metal working machines comprising a housing, a rotary shaft carried by said housing, an eccentrically located stud carried by said shaft, a pair of co-operating slides supported by said housing and mounted on said stud for movement in horizontal and vertical planes, and a tool carried by one of said slides and operative on the center line of the work.

2,039,647
AIRWAY BEACON
Frank R. House, Baldwin Harbor, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application March 7, 1929, Serial No. 345,189
10 Claims. (Cl. 177—352)



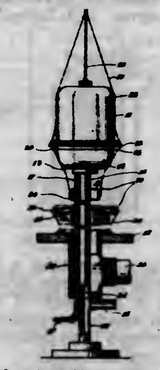
9. An airway beacon unit comprising a pair of stationary searchlights faced in different directions to project substantially horizontal beams, a third searchlight rotatably mounted between said stationary searchlights, means for revolving said last-named light at a uniform rate, and means operated by the rotation of said last-named light for extinguishing each stationary light in turn as the rotating beam approaches the same and relighting the same as said rotating beam recedes from the same.

2,039,648
CAMERA FOR MAKING PARALLAX PANORAMAGRAMS
Herbert E. Ives, Montclair, N. J., assignor to The Perser Corporation, New York, N. Y., a corporation of New York
Refiled for abandoned application Serial No. 503,733, December 30, 1930. This application May 6, 1933, Serial No. 669,677
10 Claims. (Cl. 95—18)



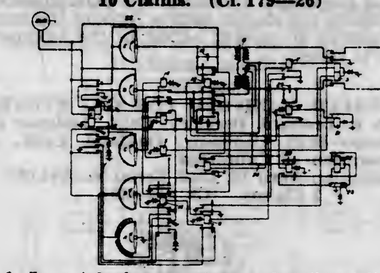
1. In a camera for making parallax panoramagrams, the combination of a concave mirror of a length large as compared with the distance between the eyes, and of approximately uniform width, with a semi-transparent mirror of approximately the same length arranged at 45° to the path of the incident light to reflect to one side the image formed by the concave mirror.

2,039,649
TREATMENT OF FABRICS
Maurice M. Kasanof, Bronx, N. Y.; David R. Kasanof and Abraham Kriegel executors of said Maurice M. Kasanof, deceased
Application November 7, 1932, Serial No. 641,522
7 Claims. (Cl. 26—55)



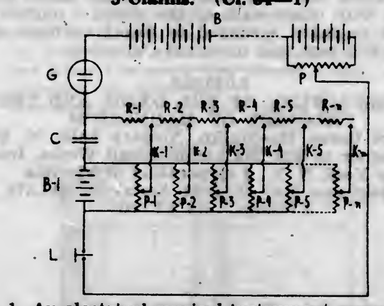
1. Apparatus for treating tubular fabrics having a treating chamber and means for guiding, heating, steam-treating and forming said fabric defining one end of said chamber, means restricted in contact area and adjustable relatively to said first means for guiding said fabric at the other end of said chamber, and the fabric itself constituting the wall of said chamber, means for introducing steam into said steam-treating means, and means for introducing a fluid into said treating chamber.

2,039,650
TELEPHONE SYSTEM
John C. Kelly, Westmount, Quebec, Canada, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 23, 1935, Serial No. 2,986
10 Claims. (Cl. 179—26)



1. In a telephone system, subscribers' lines, a trunk, an automatic switch, means for connecting a calling subscriber's line through said switch to said trunk, means for connecting said calling subscriber's line directly to said trunk independently of said switch connection and means for opening said switch connection and connecting a called subscriber's line through said switch to said trunk.

2,039,651
ELECTRICAL MUSICAL INSTRUMENT
Nicholas Langer, New York, N. Y., assignor of sixty-six and two-thirds per cent to John Halmagyi, Budapest, Hungary
Original application July 30, 1932, Serial No. 626,456. Divided and this application March 4, 1935, Serial No. 9,206. In Hungary and Canada September 24, 1932
5 Claims. (Cl. 84—1)



1. An electrical musical instrument comprising a main electrical circuit containing a source of current, a glow-discharge lamp, a condenser, an auxiliary source of current, and a sound producing means, all in series with said source of current; an auxiliary circuit operatively connected with said main circuit containing a plurality of resistances in series, a potentiometer for each of said resistances connected across said auxiliary source of current, a switching key for each of the aforesaid resistances located between each common point of two adjoining resistances and the sliding contact of one of the aforesaid potentiometers, said key being normally open to disconnect the resistance from the main circuit and being capable of actuation for shunting a plurality of said series resistances across the main circuit condenser through the sliding contact of said potentiometer and said auxiliary source of current thereby completing the main

circuit and causing current to flow through said lamp; said sound producing means being capable of emitting sound, the pitch of the emitted sound being the highest when one of the resistances is operating and being the lowest when all of the series resistances are operating; the pitch being capable of variation for tuning when the adjustment of the sliding contact of the potentiometer and thereby the electro-motive force of the auxiliary source of current acting in the auxiliary circuit is varied.

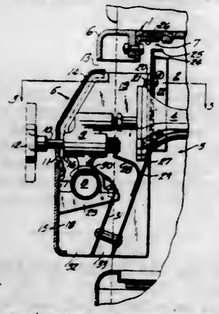
2,039,652

CONCEALED MANIFOLD FOR GAS STOVES

Joseph E. Leonard, Berkeley, Calif., assignor to Hammer-Bray Company, Oakland, Calif., a corporation of California

Application April 16, 1930, Serial No. 444,691

7 Claims. (Cl. 126—39)



1. In a gas stove, a stove top, a burner compartment beneath said top, burners in said compartment, a gas manifold, valves carried by said manifold and connected with said burners, a shield enclosing and concealing said manifold and valves, and a partition wall in the shield defining with other walls of the shield a plurality of air passages arranged to direct currents of air to and past said manifold and valves.

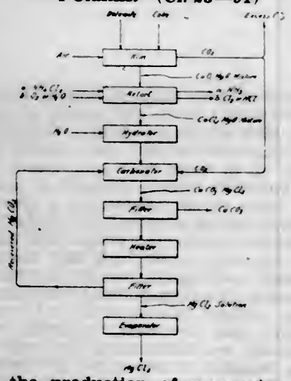
2,039,653

MANUFACTURE OF THE OXIDE AND THE CHLORIDE OF MAGNESIUM

Robert Burns MacMullin, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia

Application May 16, 1932, Serial No. 611,576

4 Claims. (Cl. 23—91)



1. In the production of magnesium chloride from mixtures of magnesium and calcium chlorides, the improvement which comprises subjecting the mixture to the action of a reagent selected from the group consisting of free oxygen, water vapor and gas mixtures including the same at a temperature of 400–700° C., and subjecting the resulting mixture of magnesium oxide-calcium chloride to the action of carbon dioxide in the presence of water and separating the precipitated calcium carbonate from the solution of magnesium chloride thus produced.

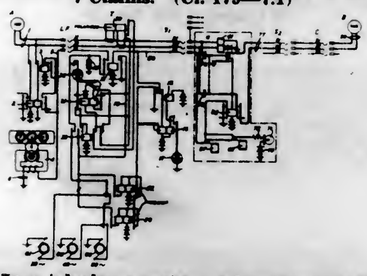
2,039,654

TELEPHONE SYSTEM

Robert F. Massonneau, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application November 27, 1934, Serial No. 754,945

7 Claims. (Cl. 179—7.1)



1. In a telephone system, subscribers' stations, means for establishing a talking connection between a calling and a called station, a meter associated with one of said stations for continuous operation during the time said connection is maintained, and means for operating said meter at a rate dependent upon the relative location of said calling and called stations.

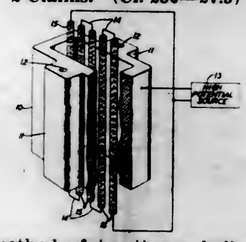
2,039,655

METHOD OF OUTGASSING AND PURIFYING ELECTRICALLY CONDUCTIVE BODIES

Hallam E. Mendenhall, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application October 20, 1934, Serial No. 749,319

2 Claims. (Cl. 250—27.5)



1. The method of treating a hollow graphite anode for electron discharge devices which comprises disposing a plurality of insulating tubes having electrical conductors therein within said anode, and applying a high potential between said anode and said conductors.

2,039,656

PRECIPITATION OF CYANIDE SOLUTIONS

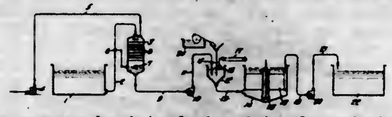
Louis D. Mills and Thomas B. Crowe, Palo Alto, Calif., assignors to The Merrill Company, San Francisco, Calif., a corporation of California

Application August 16, 1933, Serial No. 685,354

Renewed October 2, 1935

7 Claims. (Cl. 75—107)

1. In a process for the treatment of gold-bearing cyanide solution, where the solution is to be precipitated by zinc or a like metallic precipitant, effecting partial removal of oxygen from the solution by subjecting the same to a partial vacuum, and then removing all traces of remaining oxygen by introducing into the solution a non-precipitating chemical reducing agent other than the metallic precipitant.



2,039,657

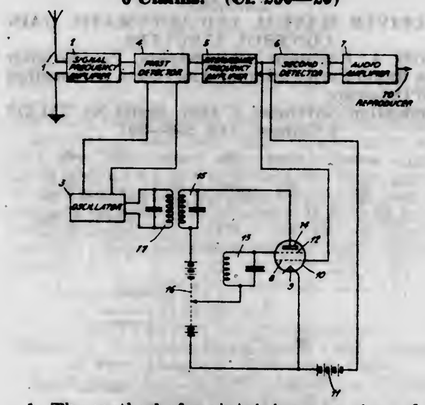
SUPERSONIC HETERODYNE RECEIVER

Charles Percy Osborne, Hillingdon, England, assignor to Electric and Musical Industries Limited, Hayes, England, a company of Great Britain

Application February 12, 1934, Serial No. 710,804

In Great Britain February 13, 1933

6 Claims. (Cl. 250—20)



1. The method of maintaining a receiver of the heterodyned type in tune to the received wave which includes the steps of, beating said wave with local oscillations to produce oscillations of a difference frequency, multiplying said oscillations of a difference frequency and entraining said local oscillations with said multiplied oscillations.

2,039,658

LIQUID DISPENSING DEVICE FOR BOTTLES

Leon R. Paul, Brooklyn, N. Y., assignor to Dalynip Pourer Corp., New York, N. Y., a corporation of New York

Application May 7, 1935, Serial No. 20,121

3 Claims. (Cl. 215—79)



1. In a fluid dispensing device, the combination with a bottle stopper and a pouring tube therein, of a pair of contacting disk members having a folded connecting web portion therebetween and a vent tube integral with said folded web connecting portion and extending through said stopper.

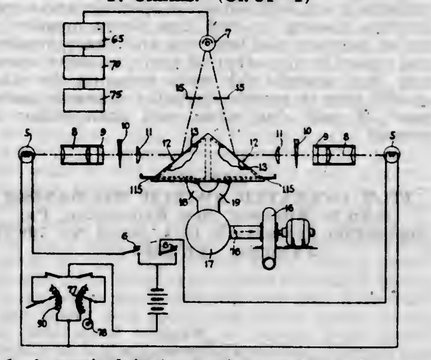
2,039,659

ELECTRICAL MUSICAL INSTRUMENT

Richard Howland Ranger, Newark, N. J.

Application May 28, 1934, Serial No. 727,941

17 Claims. (Cl. 84—1)



1. A musical instrument comprising, in combination, a series of keys, light sensitive cells, a series of vibratory elements, means controlled by said keys and vibratory elements for causing light of an intensity varying under the influence of said vibratory elements to impinge upon said light sensitive cells and means for amplifying the output of said light sensitive cells.

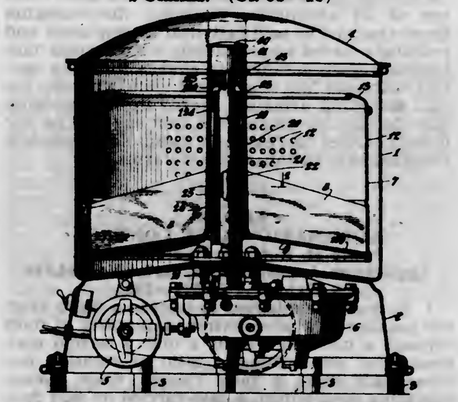
2,039,660

LAUNDRY MACHINE

George H. Reama, New Haven, Conn., assignor, by mesne assignments, to Winchester Repeating Arms Company, New Haven, Conn., a corporation of Marlyand

Application May 12, 1933, Serial No. 670,700

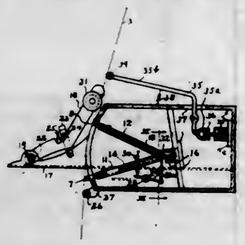
2 Claims. (Cl. 68—15)



1. In an apparatus of the class described, concentric inner and outer shafts, the adjacent ends of said shafts having non-circular portions of substantially the same transverse dimension but spaced axially from each other, a sleeve member for selective engagement with said shafts, said sleeve member having an integral collar portion

having a complementary non-circular portion for selective engagement with said first non-circular portions, said sleeve member having a recess above said collar portion, a cap member having an integral depending sleeve fitting in said recess, said cap sleeve having a transverse guideway with straight side walls and curved end walls, said end walls having diametrically opposed openings therein, a lock ring within said guideway and surrounding said concentric shafts, a push button secured to said lock ring and projecting out through one of said cap sleeve openings and a registering opening in said first sleeve member, a spring between said lock ring and sleeve member and seated in the other of said cap sleeve openings, said straight side walls engaging the sides of said ring to permit straight transverse movement of said ring when said push button is pressed.

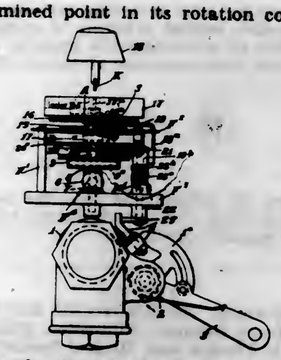
2,039,661
FILM OPERATED SWITCH MECHANISM
John D. Ritenour, New Kensington, Pa.
Application February 5, 1934, Serial No. 709,711
5 Claims. (Cl. 200—52)



1. Switch mechanism for controlling circuits associated in motion picture projecting apparatus comprising a pair of switch elements arranged each in alternative positions to complete and to interrupt an electrical current path, arms swingingly mounted in cooperative relation with said switch elements, said arms swingingly movable in two directions respectively each to control movement of its associated switch element from one of its alternative positions, film-engaging fingers carried by said switch-actuating arms and yieldingly forced longitudinally therebeyond, film guiding means arranged to guide a film into contact with said film engaging fingers, whereby the said actuating arms are moved in one swinging direction by movement of a film engaged by the fingers carried thereby, and means for oppositely swinging said switch-actuating arms.

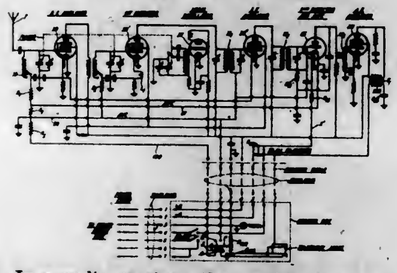
2,039,662
AUTOMATIC VALVE CONTROL
Philip H. Roberts, Medford, Mass.
Application August 9, 1933, Serial No. 684,344
9 Claims. (Cl. 221—101)

1. In a device adapted to release a valve after the passage of a predetermined quantity of fluid through a metered system, a dial, a second dial, means for establishing a ratio of rotation between said dials, a valve release, valve release operating mechanism, a cam carried by said first dial engageable with said mechanism to hold said valve open while a predetermined volume of fluid passes through the meter, and upon the passage of such fluid releasing said mechanism to operative position, a clutch rotatable with said second dial, each revolution thereof indicating the passage of certain units of fluid, said clutch at a predetermined point in its rotation cooperating



with said release mechanism to release the valve on completed delivery of the fluid.

2,039,663
RECEIVER MANUAL AND AUTOMATIC GAIN CONTROL CIRCUITS
Harris A. Robinson, Philadelphia, Pa., assignor to Radio Corporation of America, a corporation of Delaware
Application November 3, 1934, Serial No. 751,317
7 Claims. (Cl. 250—20)

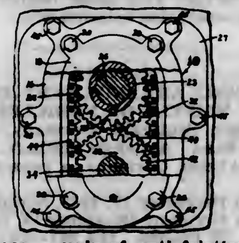


1. In a radio receiver, the combination with a radio frequency amplifier, a detector, an audio amplifier and an output device, means for automatically controlling the gain of said radio frequency amplifier, means including a manually adjustable resistance for controlling audio transmission through said receiver, means including a manually adjustable resistance for controlling the sensitivity of said radio frequency amplifier, switch means adjustable to one position to render said automatic gain control and said audio transmission control means operative while rendering said sensitivity control means inoperative and adjustable to a second position to render said automatic gain control and said audio transmission control means inoperative while rendering said sensitivity control means operative, both said manually adjustable resistances consisting of a common variable resistor.

2,039,664
DRIVE DEVICE
Charles F. Rossetter, Eagle Rock, Calif., assignor to Paul Hawkins, Hollywood, Calif.
Application July 24, 1934, Serial No. 736,670
1 Claim. (Cl. 74—389)

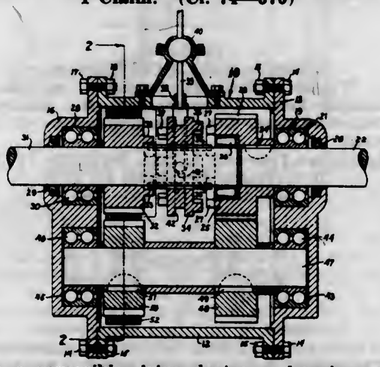
In a transmission device, a hollow housing having an integral wall at one end, said wall having an aperture therein, a removable cap member closing the other end of said housing, said cap

member having an aperture therein coaxial with said first mentioned aperture, an anti-friction bearing in said cap member aperture, a sleeve in said anti-friction bearing, a sprocket keyed to said sleeve, a shaft in said sleeve, said shaft extending through said first mentioned aperture, said sleeve terminating flush with the inner face of said sprocket, a gear keyed to said shaft, said gear and said sprocket having a diameter less than the diameter of said first mentioned aperture, said housing having a spaced pair of aligned apertures therein, closures for said apertures, said closures having skirts thereon extending into



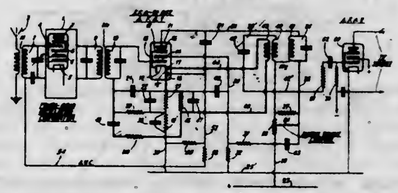
their apertures, a pair of anti-friction members mounted in said apertures and engaged by said skirts, a jack shaft engaging said pair of anti-friction members, a gear mounted on said jack shaft and meshing with said first mentioned gear, a sprocket on said jack shaft in alignment with said first mentioned sprocket and an endless chain connecting said sprockets, the lower portion of said housing and the lower portion of said cap member having circular bosses arranged about said aligned apertures, said pair of anti-friction bearings being disposed within said circular bosses.

2,039,665
REVERSING TRANSMISSION
Charles F. Rossetter, Eagle Rock, Calif., assignor to Paul Hawkins, Hollywood, Calif.
Application July 30, 1934, Serial No. 737,536
1 Claim. (Cl. 74—376)



In a reversible drive device, a housing, said housing being rectangular in transverse cross section, and having unobstructed, open ends, said housing having a pair of identical cap members one at each end, each of said cap members having a pair of cylindrical recesses therein, anti-friction bearings having their outer members fitted in said recesses, a drive shaft and a driven shaft journalled in certain of said bearings, said shafts having plane adjacent end portions and having equal diameters, a gear on said drive shaft within said housing, said gear being secured to said drive shaft and having clutch means secured thereon, said gear having a cylindrical recess adjacent to said clutch means, said drive shaft terminating at said last mentioned recess, an anti-friction bearing having its outer member mounted in said gear recess and arranged coaxial with said drive shaft, said driven shaft being journalled in said anti-friction bearing in said gear recess and terminating flush with the end of said last mentioned bearing, a jack shaft journalled in said other bearings, a gear mounted on and secured to said jack shaft, said jack shaft gear and said drive shaft gear being in mesh, a chain sprocket mounted on and secured to said jack shaft, a second chain sprocket rotatably mounted on said driven shaft, said second chain sprocket having clutch means thereon, an endless sprocket chain connecting said two sprockets, said chain having its two reaches parallel to and closely adjacent to the parallel side walls of said housing, a clutch spool mounted on said driven shaft between said drive shaft gear and said driven shaft sprocket, said clutch spool being axially movable on said driven shaft and being secured thereto for rotation therewith, means to shift said clutch spool, clutch means on said spool adapted to engage the clutch means on said drive shaft gear whereby said drive shaft gear drives said spool, and other clutch means on said spool adapted to engage with clutch means on said driven shaft sprocket whereby said driven shaft sprocket drives said spool.

2,039,666
VOLUME CONTROL FOR REFLEX CIRCUITS
Otto H. Schade, West Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 29, 1933, Serial No. 673,389
14 Claims. (Cl. 250—20)

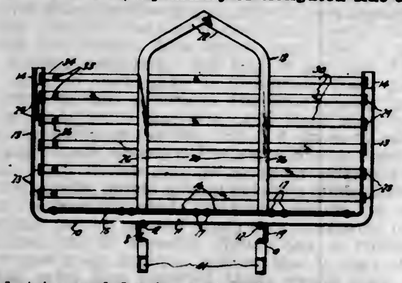


1. In combination with an amplifier provided with a resonant signal input circuit and a resonant signal output circuit, a demodulator circuit provided with an input network, a resonant signal circuit coupling said demodulator circuit input network and said resonant output circuit, a connection of low impedance to the demodulated signal energy between said resonant input circuit and said demodulator circuit, and means electrically associated solely with said resonant coupling circuit for varying the damping of said coupling circuit to thereby control the transfer of signal energy from said resonant output circuit to said demodulator circuit input network.

2,039,667
RACK OR BODY FOR WAGONS AND TRUCKS
Morris Smith, Chester, Mont.
Application June 26, 1935, Serial No. 28,442
2 Claims. (Cl. 296—3)

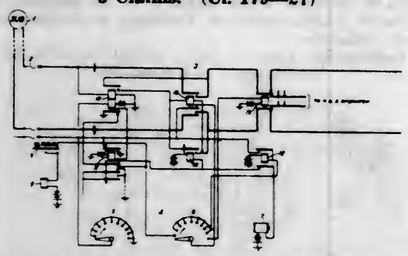
1. In a device of the kind described, a pair of parallel beams, a plurality of U-shaped cross beams secured by their bights in crosswise position upon the beams at spaced points, a sectional

floor built up on the bights of the cross beams, a pair of inverted U-shaped end beams including legs secured at their lower ends to the ends of the sills, the said legs of the end beams and the upstanding arms of the cross beams all having spaced aligned notches, a plurality of elongated side and



end strips each having a straight end and an end with a finger turned at right angles, the said strips being inserted lengthwise straight ends first into the said slots, whereby the straight ends fall alongside the said fingers and are secured thereto at the corners of the rack.

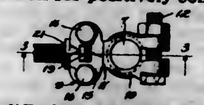
2,039,668
TELEPHONE SYSTEM
Ray L. Stokely, Floral Park, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 25, 1932, Serial No. 644,252
3 Claims. (Cl. 179—27)



1. In a telephone system, subscribers' lines, trunks, a branch line, a switch associated with each trunk, means for seizing a trunk from a calling subscriber's line, dial pulse producing means, means responsive to dial pulses from said means for actuating the switch associated with said seized trunk, a relay associated with said seized trunk for disconnecting the subscriber's line from said trunk and for connecting it to said branch line, another relay associated with said seized trunk for preventing further control of said switch by dial pulses, and means responsive to certain settings of said associated switch by dial pulses for operating said first relay, and means responsive to certain other settings of said switch by dial pulses for operating said second relay.

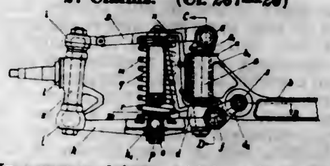
2,039,669
BATTERY TERMINAL
William G. Tenney, Chicago, Ill.
Application April 30, 1934, Serial No. 723,145
2 Claims. (Cl. 173—259)

1. A battery terminal, comprising a body having a battery post attaching portion and a cable attaching portion, said cable attaching portion comprising a rigid horizontal extension of said post attaching portion, a reversible clamping strap having a vertically extending projection on each of the opposite faces thereof adapted to selectively cooperate with means on said cable attaching portion for positively connecting there-
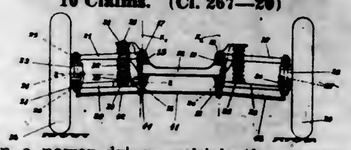


to cables of differing dimensions, and means for positioning and securing said strap to said cable attaching portion with cable connecting means thereof in cooperating relationship.

2,039,670
SPRINGING ARRANGEMENT FOR THE WHEELS OF VEHICLES
Max Wagner, Stuttgart, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany, a company of Germany
Application December 27, 1933, Serial No. 704,179
In Germany December 14, 1932
27 Claims. (Cl. 267—20)



1. In a power-driven vehicle, a frame, a vehicle wheel, a guiding element for the wheel for connecting the wheel with the frame in such a manner that the wheel can move in a vertical plane relative to the frame, pivotal means for connecting the guiding element with the frame in such a manner that it can turn about a vertical axis on the frame and elastic means for supporting the guiding element in such a manner that it can only swing to a small extent about the vertical axis against the elastic means.

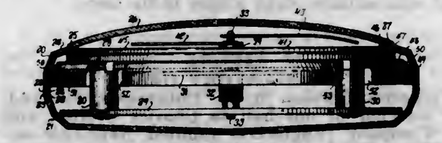
2,039,671
WHEEL AXLE SUSPENSION
Max Wagner, Stuttgart, Germany, assignor to Daimler-Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany, a company of Germany
Application February 6, 1934, Serial No. 710,013
In Germany December 14, 1932
10 Claims. (Cl. 267—20)



1. In a power driven vehicle the combination comprising a frame, a vehicle wheel, a wheel carrier, a pair of links for connecting the wheel carrier to the frame pivotally connected at one end to said frame one above the other so as to be capable of swinging only in a vertical plane about parallel axes fixed with respect to the frame but incapable of movement relatively to the frame in any other direction, said links being pivotally connected to the wheel carrier to form with the wheel carrier and the frame an articulated quadrilateral, and a frictionless helical compression spring interposed between one of said

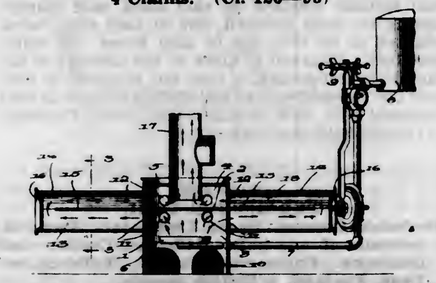
links and the frame so as to oppose the vertical swinging motion of the links, said spring being freely movable laterally substantially over its entire length and being secured against lateral displacement at its ends with respect to the frame and the link, respectively.

2,039,672
WATCH CONSTRUCTION
Richard H. Whitehead, New Haven, Conn., assignor to The New Haven Clock Company, New Haven, Conn., a corporation of Connecticut
Application November 20, 1935, Serial No. 50,619
8 Claims. (Cl. 58—127)



1. In a watch structure, the combination with a case-unit provided with a bezel having a sight-passage therethrough; of a crystal closing the sight-passage in the bezel of the said case-unit; a dial having a portion fitting within the sight-passage in the bezel of the said case-unit and extending in a plane forwardly of the plane of the rear face of the portion of the said bezel surrounding the sight-passage therein; and a movement-unit located in the said case-unit in a position to the rear of the said dial.

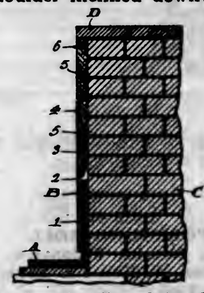
2,039,673
BROODER
James Russell Williams, Quincy, Ill.
Application November 19, 1934, Serial No. 753,727
4 Claims. (Cl. 126—93)



1. A brooder comprising a base adapted to rest on a brooder floor and having a plurality of radial structures extending outwardly a substantial distance from said base, each of said structures having a passageway therein, means for supplying a heating medium to the inner ends of said passageways, flue means communicating with the outer ends of said passageways for discharge of said heating medium, said radial structures being spaced apart for recirculation of air therebetween, the lower walls of said radial structures forming downward heat radiating surfaces and being arranged adjacent the lower end of the base to be located relatively close to the floor.

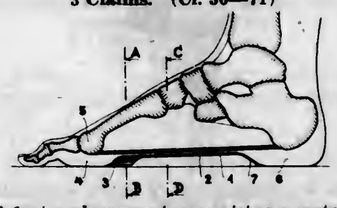
2,039,674
ROOF FLASHING
Henry F. Winkelmann, Nebraska City, Nebr.
Application January 3, 1934, Serial No. 705,115
2 Claims. (Cl. 108—26)

1. In a roof construction an imperforate strip of sheet metal suitable for use as a flashing, a second strip of metal suitable for expansion, said second strip being expanded for use as a metal lath, the two strips being arranged with joined lapping edge portions, the imperforate strip being offset longitudinally to provide a moisture-shedding shoulder inclined downwardly beneath



the seam and extending laterally beyond the plane of the expanded metal strip, the lower portion of the imperforate strip constituting an apron depending from the lower side of the shoulder for freely lapping the edge of a roof covering.

2,039,675
FOOT ARCH SUPPORT
Walter Wisbrun, Dusseldorf, Germany
Application September 1, 1934, Serial No. 742,479
In Switzerland July 30, 1934
3 Claims. (Cl. 36—71)

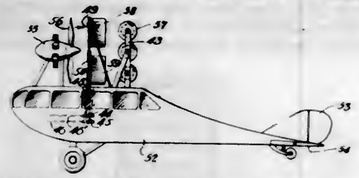


1. A foot arch support comprising a metal plate having three surfaces disposed angularly with respect to each other, namely, a central transversely horizontal plane surface inclined downwardly from the rear towards the front and determined in position and extent by the highest point of the curvature of the foot, which is located in front of the heel, and the end of the first and fifth metatarsal bones close behind the joint capitula or sesamoid bones, a front surface bent downwardly about a straight line at the forward end of the central surface and terminating in a line running parallel thereto, so that it applies itself to the channel of the fat cushion at the forepart of the foot behind the joint capitula, and a rear surface bent downwardly about the horizontal line at the anterior end of the fatty cushion of the heel to serve as a support for the anterior ascending part of said cushion of the heel.

2,039,676
AIRCRAFT
Edward F. Zaparka, New York, N. Y., assignor to Zap Development Corporation, Wilmington, Del., a corporation of Delaware
Application September 12, 1930, Serial No. 481,528
2 Claims. (Cl. 244—14)

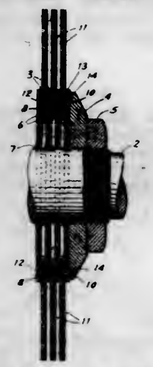
1. In an aircraft the combination of a propeller carried by said aircraft, means to actuate said propeller; means located in the slip stream

of said propeller acting as ailerons for controlling said aircraft means to change the position of said last mentioned means; a rotor element lo-



cated rearwardly of said controlling means; and means to rotate said element.

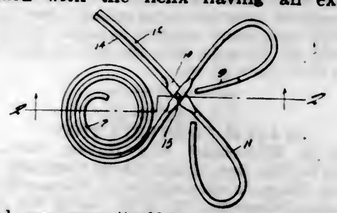
2,039,677
POLISHING ROLL
Raymond King Brooks, Unionville, Conn., assignor to Chas. W. House & Sons, a corporation of New York
Application November 12, 1934, Serial No. 752,644
18 Claims. (Cl. 15—230)



18. In a polishing roll, a shaft, a plurality of discs embracing said shaft, a plurality of polishing elements surrounding said shaft in the intervals between the discs and in alternating arrangement with the discs, each element comprising a plurality of separate segments located in a plane at right angles to the shaft and having their side edges abutting each other, the inner ends of said segments being interposed between adjacent discs and each provided with a plurality of perforations, pins on the sides of the discs extending through perforations of each segment for holding the segments in assembled position, means carried by the discs and coacting with the ends of the pins protruding from the segments for interlocking adjacent discs against relative rotation, and means for clamping the discs on the inner ends of the segments, said segments being freely detachable from said pins upon release of said clamping means and lateral separation of said discs.

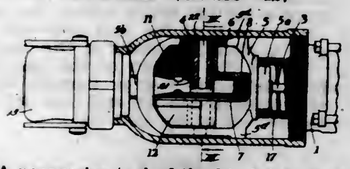
2,039,678
EGG BREAKER
Grant Raymond Brown, Sunbury, Pa.
Application October 10, 1934, Serial No. 747,782
1 Claim. (Cl. 146—2)

An egg breaker of the class described comprising a pair of pivotally connected members one of which has an integral helix on one end thereof and the other of which has a straight portion with the beveled edge to swing under the helix, both members having handles in the form of elongated loops and the handle of the member provided with the helix having an extension



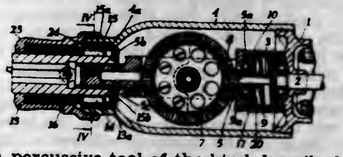
curved over upon itself to be disposed in a plane at substantially right angles to its loops.

2,039,679
OSCILLATORY GEAR
Frederick Dorman Byers, Cullercoats, England, assignor of one-half to Charles Crofton and Company (Engineers) Limited, Newcastle-on-Tyne, England, a British company
Application April 29, 1935, Serial No. 16,921
In Great Britain May 5, 1934
3 Claims. (Cl. 255—42)



3. A percussive tool of the kind described comprising an oscillator, formed of a single piece closed yoke member, coaxial bores in the arms of said yoke, a spindle, bevel discs mounted on said spindle, weights on said discs, said spindle having its ends reduced, one of said ends being adapted to fit into one of said bores, the other bore being enlarged to allow of the passage of the spindle therethrough, a ring nut adapted to pass over the reduced end of the spindle located in said enlarged bore, said enlarged bore being threaded to engage with said ring nut.

2,039,680
PERCUSSIVE TOOL
Frederick Dorman Byers, Cullercoats, England, assignor of one-half to Charles Crofton and Company (Engineers) Limited, Wallsend-on-Tyne, England, a British company
Original application April 29, 1935, Serial No. 16,921. Divided and this application November 6, 1935, Serial No. 48,592. In Great Britain May 5, 1934
9 Claims. (Cl. 255—42)



1. A percussive tool of the kind described comprising a casing, an oscillating hammer in said casing, a ratchet mechanism operated by said hammer, said ratchet mechanism being mounted in said casing so as to be free to rotate and to be slidable therein, a casing secured to the end of the tool casing, and a resilient member in said casing adapted to abut against said ratchet mechanism.

2,039,681
COMBINED MOUTH AND NOSE GUARD
Henry Chatfield, Mount Vernon, N. Y.
Application April 15, 1935, Serial No. 16,465
7 Claims. (Cl. 128—146)



3. In a combined nose and mouth guard, a body part formed of a plurality of connected together fabric plies of like form, each ply consisting of a segmental lower portion, a substantially rectangular intermediate portion of materially less length of greater width than and extended from opposite sides of said lower portion and a substantially rectangular upper portion of greater length and of less width than and positioned inwardly with respect to the sides of said intermediate portion, said upper portion being formed with a pair of oppositely extending inwardly inclined top edge portions and a pair of oppositely disposed outwardly inclined side edges, and means for coupling said top edge portions in opposed relation.

2,039,682
CONVERTIBLE SEAT FOR MOTOR VEHICLES
Harris G. Clarke and Hugh C. Clarke, Vicksburg, Miss.
Application April 8, 1935, Serial No. 15,345
1 Claim. (Cl. 155—7)



A convertible seat structure for motor vehicles comprising a rear seat, a front seat, a back for the front seat and being hingedly secured to the seat portion thereof, said seat portion having a recess extending horizontally therein from the rear end thereof, spring pressed latching means including a rod secured to the back, supporting means for the seat portion and arranged in the path of the rod to be engaged thereby for latching and holding the back in an upright position, a rod like frame slidably mounted in the rear seat for disposal into and out of the path of the back and adapted for supporting the latter when released and swung to a horizontal position for cooperation with the seat portions of the front and rear seats to provide a reclining surface, and said rod being receivable in the recess for cooperation with the rod like frame in supporting the back in said position.

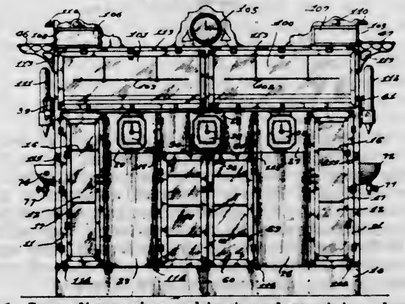
2,039,683
TRAFFIC MARKER
Ira L. De Haas, Hillsboro, Ohio
Application May 28, 1935, Serial No. 23,933
2 Claims. (Cl. 94—1.5)

2. A traffic marker of a visible light ray reflector type adapted for use at highway intersections and the like comprising a flat bottom body adapted to be bolted or otherwise anchored on the surface to function as a riser, said body being substantially rectangular in general outline and of pyramidal form in elevational configuration and embodying a pair of companion downwardly and outwardly diverging main trapeziform surfaces, and a pair of complemental and secondary triangular relatively steep end surfaces, the apices of said end surfaces corresponding with and matching the vertex portion forming the juncture between the aforesaid main surfaces, and a series



of individual spaced parallel traffic signalling legends, two of the legends being embossed on the respective main trapeziform surfaces, and the remaining legend being superimposed upon said vertex portion, the letters of the respective legends being of wedge-shaped design with the planes of the tread portions of said letters disposed at substantially acute angles with respect to the inclinations of said main surfaces.

2,039,684
SERVICING DEVICE
William R. Dudley, Rockford, Ill.
Application July 8, 1932, Serial No. 621,341
Renewed April 8, 1936
6 Claims. (Cl. 62—1)

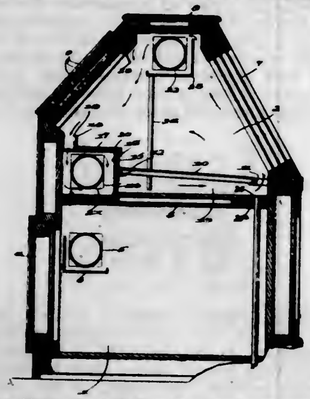


1. In a dispensing cabinet and servicing device for installation in gasoline stations and the like, a plurality of compartments for storing and displaying oils and greases, heating means in said compartments to maintain said oils and greases at the proper degree of viscosity, gasoline pump compartments adjacent said heated compartment and gasoline flow meters above said pumps whereby gasoline being dispensed therethrough can be maintained at a constant temperature to insure accurate delivery.

2,039,685
REFRIGERATOR DISPLAY CASE
Albert H. Ehrlich, St. Joseph, Mo.
Application December 9, 1930, Serial No. 501,102
2 Claims. (Cl. 62—103)

1. In a refrigerating compartment, the combination of a mechanical refrigerating element in the lower portion of the compartment, a second mechanical refrigerating element in the upper portion of the compartment for respectively cooling the air in said compartment, means for auto-

matically causing a defrosting of the second refrigerating element only, and moisture retaining means for receiving the moisture resulting from



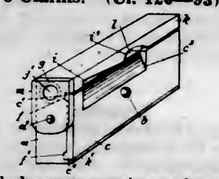
the defrosting of said element and supplying said moisture to the cooled air of the compartment.

2,039,686
TRIM PANEL
George E. Gagnier, Detroit, Mich., assignor of one-half to Bion C. Place, Detroit, Mich.
Application October 22, 1932, Serial No. 639,064
7 Claims. (Cl. 45—138)



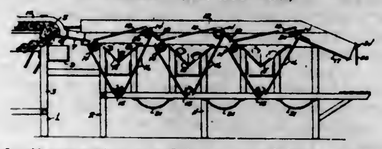
1. A trim panel consisting of a layer of relatively stiff fibrous material embossed to secure ornamentation, and a second unembossed layer of relatively stiff fibrous material adherently secured to said first named layer so as to bridge the depressions formed by the embossing thereof so as to resist flattening of the embossed layer and a cover of flexible material for one face of said panel lapping the edges of said layers.

2,039,687
PENCIL SHARPENER
Johannes Ficker and Emil Eckert, Munich, Germany
Application May 13, 1935, Serial No. 21,247
8 Claims. (Cl. 120—93)



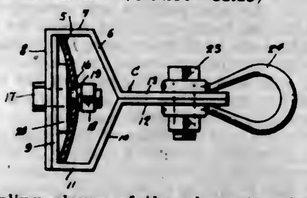
1. A pencil sharpener using safety razor blades consisting of a rectangular blade carrier having a guiding channel for the reception of a pencil and a receptacle at its inner end, a blade support formed as a part of the body and the said body having grooves at the edges of the blade support, said support being of a width to hold a blade with its edges overlying the grooves, the said body having recesses on each side of the blade support, blade engaging studs anchored in the body and projecting into the recesses and occupying holes of the blade, resilient means for forcing the studs toward the guiding channel whereby the blade is forced into operative relation with a pencil in the guiding channel, a cover for the blade having ribs engaging the upper surface of the blade at its edges, and a screw rotatable in the body passing through a hole in the blade, the said screw being in threaded engagement with the cover and operative to exert a pull on the cover to force the ribs of the cover into engagement with the blade, whereby the said blade is flexed, the said cover and blade having clearances for the escape of cuttings during the pencil sharpening operation.

2,039,688
TOMATO GRADING AND SIZING MACHINE
John R. Fitzgerald, Harlingen, Tex.
Application March 27, 1935, Serial No. 13,356
1 Claim. (Cl. 209—84)



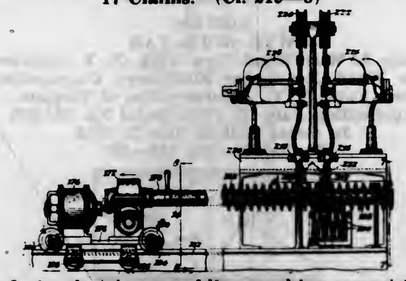
A fruit assorting machine comprising a supporting frame, groups of rollers journaled to the supporting structure and each group including a pair of rollers and a third roller, conveyors mounted on said rollers and each presenting an upwardly inclined run, said conveyors having openings of selected sizes, chutes carried by the supporting structure to receive fruits passing through the openings of the conveyors, said conveyors adapted to deliver fruits of sizes which will not pass through the openings thereof to the conveyors adjacent thereto, each roller of said pairs of rollers including a shaft, a yieldable body on said shaft to act against fruit lodged in the openings of the conveyors during the movement of the latter over the roller, and rigid collars mounted on said yieldable bodies to contact the non-apertured portions of the conveyors.

2,039,689
TRAILER HITCH COUPLING
Leroy A. Tade, Claremont, Calif.
Application December 21, 1934, Serial No. 758,665
1 Claim. (Cl. 280—33.15)



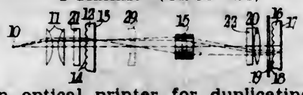
A coupling clamp of the character described comprising a pair of elongated plate members, said plate members being provided with portions lying flatly against each other, said plate members being provided with diverged portions extending from the aforementioned portions and provided with parallel extending portions, and interlapping leg members extending inwardly from the said parallel portions, means for connecting the interlapping leg members to a drawing vehicle and means for attaching the flatly engaging portion to a draft structure.

2,039,690
FIN TUBE MANUFACTURE
James E. Trainer, Barberton, Ohio, assignor to The Babcock & Wilcox Company, Bayonne, N. J., a corporation of New Jersey
Application September 26, 1931, Serial No. 565,255
17 Claims. (Cl. 219—8)



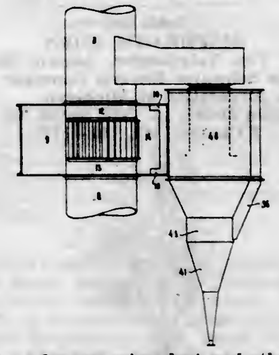
6. An electric arc welding machine comprising, in combination, a machine bed having parallel rails running lengthwise thereof, a carriage portably mounted on the bed so as to be freely movable along the rails, a support fixed at one end of the bed, a rotatable chuck mounted in the carriage for gripping the tube with its axis parallel to the rails, freely rotatable disks on the support arranged with their axes on opposite sides of the tube axis so that the disks cradle the tube to center it, and a plurality of metallic arc welding electrodes contacting with the tube at spaced positions above the disks, the disks on opposite sides of the tube axis being offset longitudinally of the tube so as to contact with helical fins on the tube to cause its advancement as the chuck turns the tube.

2,039,691
PHOTOGRAPHIC PRINTING APPARATUS
Fordyce E. Tuttle, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application November 18, 1933, Serial No. 698,650
4 Claims. (Cl. 88—24)



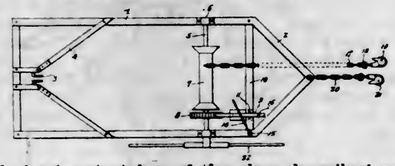
1. An optical printer for duplicating a film provided with cylindrical lenticulations and carrying color separation images in registration with the lenticulations, including a linear source of light, means for supporting the original film with its lenticulations facing and parallel to the source of light, a condenser between said light source and the original film for giving the source an apparent width as viewed from the original not greater than the apparent width of a single filter band of the polychromatic screen used in taking the original, whereby only a single color separation image on the original will be illuminated, means for shifting the angle of incidence of the light on the original for selectively illuminating each of the color separation images on the original, an objective positioned to collect the light transmitted by the original, means for supporting a copy film in the image plane of the objective and with its lenticulations facing the incident light, the angle subtended by the exit pupil of the objective on the copy film in the plane perpendicular to the axes of its cylindrical lenticulations being no greater than the angle to be subtended by a single band of the filter to be used in projecting the copy film and light deflecting means separately movable into position in front of the copy film for altering the apparent position of the exit pupil of the objective as viewed from the copy film.

2,039,692
DUST COLLECTOR
Hermannus van Tongeren, Heemstede, Netherlands
Application August 11, 1932, Serial No. 628,408
In the Netherlands August 17, 1931
16 Claims. (Cl. 183—83)



13. Means for removing dust and other foreign matter from air and other gases, comprising a casing having end walls and a curved side wall, the side wall having a gas inlet opening, a gas inlet conduit communicating tangentially with said casing through said gas inlet opening, a gas outlet conduit passing through an end wall into the casing in spaced relation to said side wall, said conduit having an opening extending throughout a part of its length and constituting the sole outlet for the gases discharged through said conduit, vanes for said opening, said vanes being substantially of equal length on each side of a plane transverse to the side wall of the casing by which plane the volume of the space included within the casing is divided substantially equally, the side wall of the casing also having a dust outlet opening at least in part coextensive axially of the casing with those portions of the gas outlet conduit comprising the vanes together with the portions of the said outlet conduit on either side of the vanes, and a dust outlet conduit communicating tangentially with said casing through said dust outlet opening and oppositely with respect to the air or gas inlet conduit.

2,039,693
WIRE STRETCHER
Alphonso T. Verscheiden, St. Marys, Kans.
Application November 4, 1935, Serial No. 48,236
2 Claims. (Cl. 254—161)



1. A wire stretcher of the class described comprising a rectangular frame having one end pointed, a pair of upwardly and inwardly extending hooks supported by the frame adjacent the other end thereof, a cross piece at the junction of the pointed part of the frame with the rest of the frame, a transverse shaft journaled in the

frame inwardly of the cross piece, a drum attached to the shaft, a chain attached to the drum and having a clamp at its outer end, a ratchet wheel connected with the shaft, a pivoted dog for engaging the wheel, a spring for normally holding the dog in engagement with the wheel, a pivoted lever for holding the dog in either one of the two positions, means for rotating the shaft, a chain connected with the pointed end of the frame and having a clamp at its outer end.

2,039,694
DIAPHRAGM HORN

Frederick Von Voigtlander, Adrian, Mich., assignor to Schwarze Electric Company, Adrian, Mich., a corporation of Michigan

Application March 16, 1936, Serial No. 69,165
8 Claims. (Cl. 116—142)

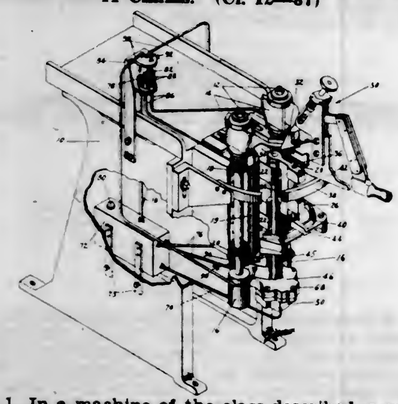


5. A pneumatic sound producing signal casing providing a seat, a diaphragm having its edges pneumatically sealing with said seat in signal operation, said diaphragm having normally a radially-free periphery in said seat at non-operation of the signal, said diaphragm in signal operation forming with the seat and casing two chambers spaced from communication by said diaphragm, and a projector and signal actuating pneumatic means each adapted to have communication with one of said chambers and said means bringing said diaphragm to sealing position in said seat.

2,039,695
CONTROLLING AND LUBRICATING MECHANISM

George T. Watt, Bradford, Mass., assignor to Pope Machinery Corporation, Haverhill, Mass., a corporation of Massachusetts

Application August 24, 1933, Serial No. 686,511
11 Claims. (Cl. 12—87)

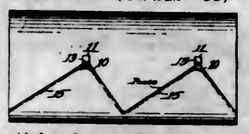


1. In a machine of the class described, a spindle having a tool thereon, a work holder movably mounted to bring a work blank thereon into engagement with the tool, and means including a pump actuated by movement of the work holder for providing oil to the spindle bearings and simultaneously checking the speed of initial engagement of the blank with the tool.

2,039,696
WEB ROLL TAB

Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia

Application July 19, 1933, Serial No. 681,076
In Great Britain July 3, 1933
12 Claims. (Cl. 242—58)

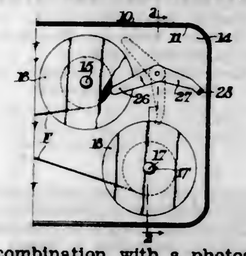


2. As an article of manufacture, a tab for connecting the leading edge of a web roll to the surface of the web roll, said tab having spots of dried adhesive spaced apart at its opposite ends on one side by which it can be secured to the leading edge and the surface of the roll and provided with a series of parallel slits between the said two spots and spaced apart to form a weakened area, for the purpose described.

2,039,697
FOOTAGE INDICATOR FOR PHOTOGRAPHIC APPARATUS

Otto Wittel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York

Application January 2, 1932, Serial No. 584,481
15 Claims. (Cl. 33—172)



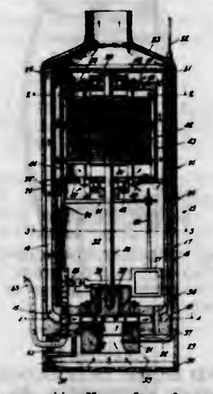
1. The combination with a photographic apparatus adapted to support a supply reel for containing strip material and adapted to support a take-up reel which is displaced from said supply reel, of an indicating means including an arm adapted to contact the strip material on said supply reel, and including another arm adapted to prevent uncoiling of strip material from the take-up reel, and a means for maintaining the first mentioned arm against the strip material on said supply reel and, after the removal of a predetermined amount of strip material from said supply reel, for moving the second mentioned arm adjacent to the strip material on said take-up reel.

2,039,698
ROTARY PUMP

Alphonse O. Beauchemin, New York, N. Y.

Application May 8, 1934, Serial No. 724,585
5 Claims. (Cl. 103—87)

1. A rotary pump comprising, in combination: a hollow diffusing hub and bowl formed with an impeller chamber and radial flow passage in an inlet end wall thereof and with a longitudinal flow passage along its side wall; means hermetically closing the hollow of the hub at its outlet end; an impeller in said chamber; a motor housing in said hub spaced from said side wall and

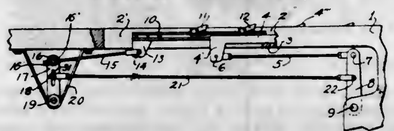


from said hermetically closed end; a motor mounted in said housing in spaced relation with the walls thereof; drive connections between said motor and impeller; and means to provide circulation of air through said housing and end and side spacings.

2,039,699
ADJUSTABLE FINGER BAR FOR SHEAR MACHINES

Salvatore Biazzi, San Jose, Calif., assignor of one-half to August E. Azzarello, San Jose, Calif.

Application October 11, 1934, Serial No. 747,950
5 Claims. (Cl. 271—54)



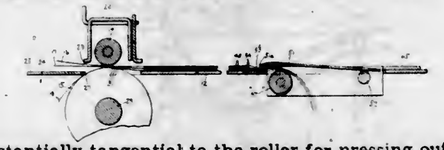
1. In a machine of the character described, including a table, a finger carrying bar mounted for longitudinal movement longitudinally of the table and having a channel therein, a rocking lever and a coupling bar between the rocking lever and the first bar; an auxiliary bar slidably mounted in the channel of the first bar, fingers carried by the auxiliary bar for engaging a body on the table, a second rocking lever, a link connection between the second lever and the auxiliary bar, and a link bar coupling the said levers and connected with the first lever at a point nearer its center of oscillation than the coupling bar whereby the first mentioned bar will have a greater throw than the auxiliary bar.

2,039,700
MANIFOLDING MACHINE

William G. Borchers, Hoboken, N. J., assignor to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey

Application May 27, 1933, Serial No. 673,148
4 Claims. (Cl. 271—2.1)

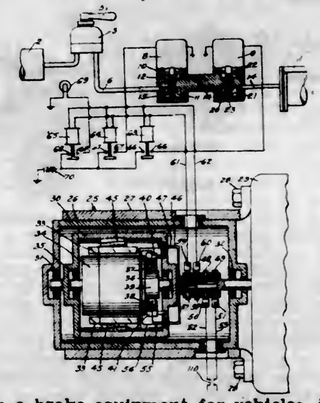
1. A manifolding machine having a supply compartment in which a pack of zigzag folded superposed strips is supported; a platen over which the strips are adapted to be fed and on which carbon strips extend transversely between each two adjacent worksheet strips; a guide roller at the introductory side of the platen and flush therewith over which superposed worksheet strips are led en bloc from the supply compartment to the platen; and a rigid plate for engaging the pile of strips at a point where they lie upon the roller and from which point the platen is substantially tangential to the roller for pressing out the folds of the strips to permit the folded portions of the strips to pass the edges of the carbon strips without being torn by or tearing the latter and resilient means causing said roller and plate to have pressure contact with the strips passing between them.



2,039,701
BRAKE CONTROLLING MEANS

Rankin J. Bush, Jeannette, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application December 1, 1934, Serial No. 755,603
22 Claims. (Cl. 303—21)



1. In a brake equipment for vehicles, in combination, a brake cylinder, means for supplying fluid under pressure to said brake cylinder to apply the brakes, an electrical differential device comprising a pair of relatively movable elements and adapted to generate a current on movement of said elements relative to each other, one of said elements being driven in accordance with the speed of a vehicle wheel, the other of said elements being movable with the first element, said second element being responsive to inertia whereby said first and second elements are movable relative to each other in response to changes in the speed of the first element, and means responsive to current produced by relative movement of said elements for controlling the pressure of the fluid in the brake cylinder.

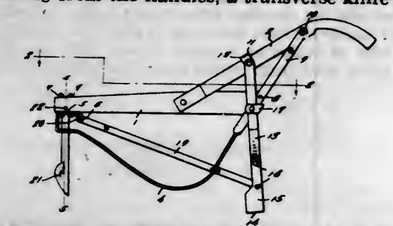
2,039,702
WEEDER

Clarence L. Campbell, Bourbonnais, Ill.

Application December 27, 1935, Serial No. 56,377
5 Claims. (Cl. 97—169)

1. A weeder comprising a beam, handles secured to said beam, arcuate runners mounted be-

neath the beam and secured to the end portions thereof, said runners comprising diverging rear end portions secured to the handles, hangers depending from the handles, a transverse knife ex-



tending between the lower ends of the hangers, and braces extending between the knife and the forward portion of the beam.

2,039,703

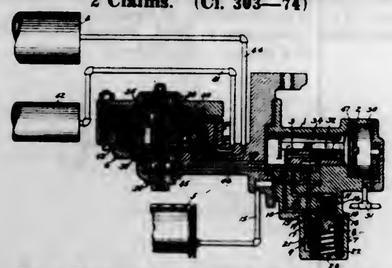
FLUID PRESSURE BRAKING APPARATUS

Alfred Chevillot, Gargan Livry, France, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application August 20, 1932, Serial No. 629,595

In France January 19, 1932

2 Claims. (Cl. 303—74)



1. In a fluid pressure brake, the combination with a brake pipe, an auxiliary reservoir, a brake cylinder, a brake controlling valve device operated by variations in brake pipe pressure for controlling the supply of fluid to and its release from the brake cylinder, and a valve device for graduating the release of fluid from the brake cylinder in releasing the brakes, of valve means subject to and operated by the pressure of the fluid in the brake cylinder and controlling a passage through which fluid is supplied to the brake cylinder and a passage through which fluid is released from the brake cylinder independent of the valve device for graduating the release of fluid from the brake cylinder, said valve means being operable on an increase in the pressure of fluid in the brake cylinder to a predetermined degree to close the passage controlled thereby through which fluid is supplied to the brake cylinder, and being operable to cut off communication through the passage through which fluid is released from the brake cylinder independently of the valve device for graduating the release of the brakes until the pressure of the fluid in the brake cylinder is reduced to a predetermined degree.

2,039,704

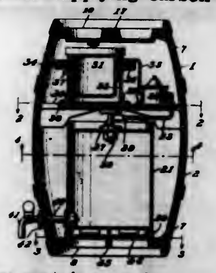
BEVERAGE CONTAINER

Charles A. Clarke, New York, and Victor Wright, Queens Village, N. Y.; said Wright assignor to Albert H. Boren, New York, N. Y.

Application October 9, 1933, Serial No. 692,768

3 Claims. (Cl. 225—18)

1. An apparatus of the character described comprising an outer closed container, a horizontal partition therein, a detachable bottom in said container, a beverage container detachably supported below said partition on the bottom of said outer container, means mounted on the top of said partition for supplying carbon dioxide gas



to said beverage container, and cooperating means on said partition and said beverage container for operatively connecting the latter to the said gas supplying means.

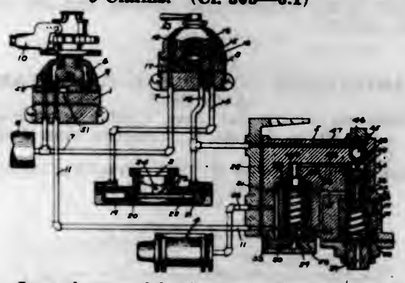
2,039,705

BRAKE AND DOOR INTERLOCK DEVICE

George L. Cotter, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application July 29, 1933, Serial No. 682,758

9 Claims. (Cl. 303—6.1)



1. In a door and brake controlling apparatus, the combination with a brake cylinder and manually operable means for controlling the supply and release of fluid under pressure to and from the brake cylinder and for the opening and closing of a car door, of a valve device controlling a communication through which fluid under pressure, supplied by operation of said manually operable means to open the car door, may be supplied to the brake cylinder, said valve device being operated upon a predetermined increase in the pressure of fluid supplied to the brake cylinder by operation of said manually operable means, for closing said communication, and means for preventing the movement of the valve device to open said communication until the brake cylinder pressure has been reduced substantially below the pressure at which the valve device is moved to closed position.

2,039,706

HELICAL GEAR AND PROCESS OF MAKING SAME

Stanley S. Cramer, Haddon Heights, N. J., assignor to Radio Condenser Company, Camden, N. J.

Application November 30, 1934, Serial No. 755,350

4 Claims. (Cl. 74—445)

1. A helical gear composed of a plurality of relatively thin laminations securely held together

and each of which is provided with spur-shaped teeth, the said laminations being successively turned on a common axis whereby the spur teeth



take up displaced angular positions in accordance with the pitch of the worm with which the gear is to function.

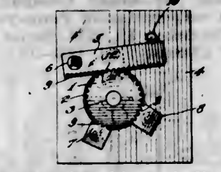
2,039,707

PROCESS OF MAKING A HELICAL GEAR

Stanley S. Cramer, Haddon Heights, N. J., assignor to Radio Condenser Company, Camden, N. J.

Original application November 30, 1934, Serial No. 755,350. Divided and this application October 5, 1935, Serial No. 43,649

4 Claims. (Cl. 29—159)



3. The process of making a helical gear, which consists in first making a plurality of thin discs with spur teeth thereon, assembling said discs on a fixture having parts with teeth thereon inclined according to a predetermined helix, the assembly consisting in meshing at least some of the spur teeth of the discs with the teeth on said fixture parts, then completing the gear by fastening suitable binding plates to the opposite faces of the gear.

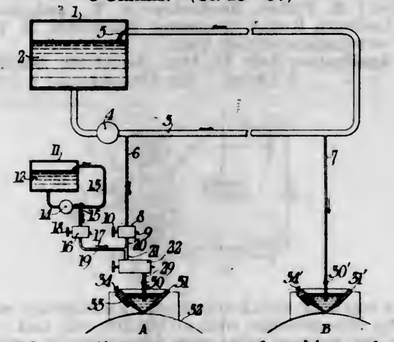
2,039,708

COLORING OF CELLULOSIC SOLUTIONS

Harold W. Crouch and Earold C. Jewett, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York

Application October 22, 1932, Serial No. 639,146

3 Claims. (Cl. 18—57)



1. The continuous process of making colored attenuated articles which comprises causing metered amounts of a clear flowable cellulose ester dope and a cellulose ester dope containing a high concentration of color continuously to flow together in a definite ratio and to flow through and fill a closed space, vigorously agitating the mixture as it passes through the closed space, and thereupon forming an attenuated article from the mixed dope at approximately the rate at which it is mixed, and coagulating the formed article.

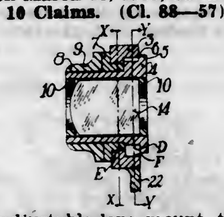
2,039,709

ADJUSTABLE LENS MOUNT

Chester W. Crumrine, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York

Application March 13, 1935, Serial No. 10,852

10 Claims. (Cl. 88—57)



1. In an adjustable lens mount, the combination with a support member provided with two pairs of guiding surfaces formed by two slots in said support member, the two guiding surfaces of one slot being parallel to each other and perpendicular to the two parallel guiding surfaces of the other slot, and a lens carrying element including an eccentric cam surface for engaging one of said slots on said support member and forming with said guiding surfaces of that slot one pair of cam surfaces for causing relative radial movement between said members upon relative rotation therebetween, of an intermediate element having an eccentric cam surface for engaging the guiding surfaces of the other slot on said support member and forming with said guiding surfaces of said other slot another pair of cam surfaces for causing relative radial movement between said support member and said intermediate member upon relative rotation therebetween, said pairs of cam surfaces being so located and arranged that the radial movement caused by the relative rotation of one of said pairs of cam surfaces is limited to movement in a direction parallel to one of said slots by the other pair of cam surfaces.

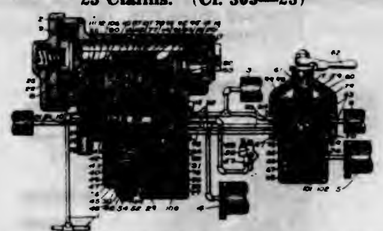
2,039,710

FLUID PRESSURE BRAKE

William E. Dean, Jr., deceased, late of Hamilton, Ontario, Canada, by Doris Brown Dean, executrix, Chautauqua, N. Y., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

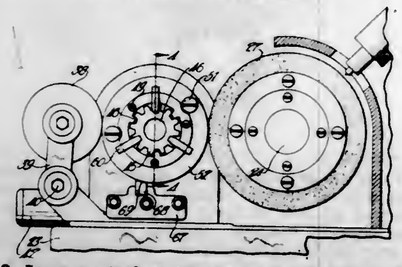
Application November 14, 1934, Serial No. 752,984

23 Claims. (Cl. 303—23)



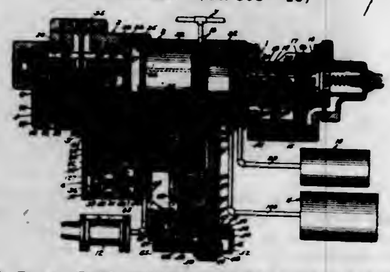
1. In a fluid pressure brake, in combination, a brake cylinder, means operative to supply fluid under pressure to the brake cylinder, a valve device operative to cut off the flow of fluid under pressure through one communication to the brake cylinder upon a predetermined increase in brake cylinder pressure, another valve device operative to cut off the flow of fluid under pressure to the brake cylinder through another communication at a higher brake cylinder pressure and means for controlling said last named communication and operable to establish or to cut off communication therethrough.

2,039,711
GRINDING MACHINE AND METHOD
Sol Einstein, Cincinnati, Ohio, assignor, by mesne assignments, to The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts
Application October 26, 1931, Serial No. 571,028
3 Claims. (Cl. 51—103)



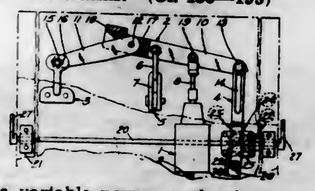
2. In a centerless internal grinding machine, the combination with a grinding wheel and a centerless work-supporting structure, said wheel and structure having a relative transverse movement for a cross-feed movement therebetween, said work-supporting structure comprising spaced work-supporting and rotating members engageable with the cylindrical outer surface of an annular member for supporting and rotating the same, the axis of rotation of one of said members being in substantial alinement with the plane of the cross-feed movement for backing up the annular member, of a thimble having a cylindrical outer surface, and means within said thimble for clamping a work piece therein with the axis of the surface to be ground coincident with the axis of the cylindrical surface of the thimble, said thimble being removably positioned within the work-supporting structure with its cylindrical outer surface engaging with the supporting and rotating members and being rotated by the rotation of one of said members.

2,039,712
FLUID PRESSURE BRAKE
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 23, 1932, Serial No. 600,614
Renewed August 16, 1933
12 Claims. (Cl. 303—46)



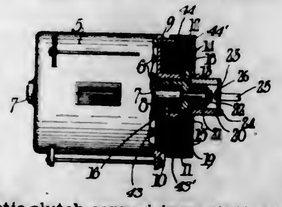
8. In a fluid pressure brake equipment, the combination with a brake pipe and a brake cylinder, of a valve mechanism operated upon a gradual reduction in brake pipe pressure for supplying fluid under pressure to the brake cylinder to effect a service application of the brakes and operated upon a sudden reduction in brake pipe pressure for supplying fluid under pressure to the brake cylinder to effect an emergency application of the brakes, means automatically operable in effecting a service application of the brakes for varying the rate of flow to the brake cylinder to increase the brake cylinder pressure in two stages, and means normally establishing communication through which, in effecting a service application, fluid flows to the brake cylinder and which is operated automatically upon a predetermined increase in brake cylinder pressure only in effecting an emergency application for varying the rate of flow of fluid to the brake cylinder to increase the brake cylinder pressure in three stages.

2,039,713
EMPTY AND LOAD BRAKE
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application December 19, 1934, Serial No. 758,293
17 Claims. (Cl. 188—195)



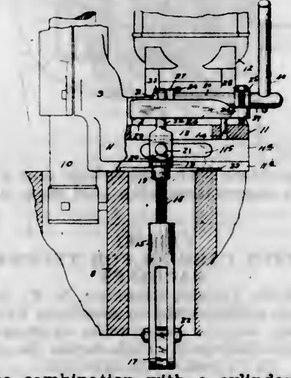
1. In a variable power mechanism comprising a lever adapted to vary the power of the mechanism, said lever having a fulcrum at each of its ends, either of which is adapted to be rendered effective or ineffective, one of said fulcrums when effective providing a certain leverage ratio and the other of said fulcrums when effective providing a different leverage ratio, means operative to selectively render either one or the other of the fulcrums effective, and means for actuating said lever.

2,039,714
ELECTROMAGNETIC CLUTCH
Albert B. Fuller, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application July 15, 1933, Serial No. 680,601
1 Claim. (Cl. 192—84)



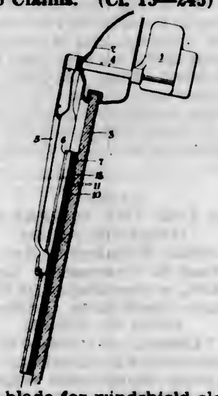
A magnetic clutch comprising a stationary magnetic core provided with an electric coil, and having two annular poles with faces lying in a single plane, a disc armature occupying a plane substantially parallel to the plane of the faces of said poles, a member rotatable between said core and said armature and provided with two magnetizable rings magnetically separated and positioned in the paths of the magnetic flux flowing between the pole faces and said armature, said rings overlapping radially said annular poles whereby the magnetic flux crosses the air gaps between them in a radial direction, and a friction surface between said rotatable member and said armature whereby said armature will be caused to rotate with said rotatable member when the former is caused to have forceful contact with said friction surface when said coil is energized.

2,039,715
CLAMPING DEVICE FOR CYLINDER BORING MACHINES
Carl O. Hane, Minneapolis, Minn., assignor to Storm Manufacturing Co. Inc., a corporation of Minnesota
Application December 9, 1935, Serial No. 53,444
12 Claims. (Cl. 77—2)



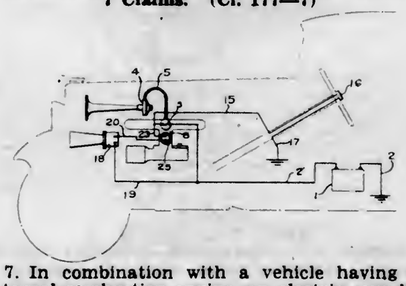
1. The combination with a cylinder reboring tool having an extended base, of an anchor insertable through and engageable with the bottom of a cylinder other than the one to be rebored, a clamping frame mounted on the base of said reboring tool, means for vertically adjusting the said clamping frame on said base, a crank shaft mounted on said clamping frame, a link suspended from the crank of said shaft, and means for coupling the said link to said anchor, the vertical adjustment of said clamping frame serving to take up play and initially apply said anchor, rotation of said crank shaft serving to apply the final pressure to said anchor and base.

2,039,716
WINDSHIELD CLEANER BLADE
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application April 5, 1934, Serial No. 719,196
5 Claims. (Cl. 15—245)



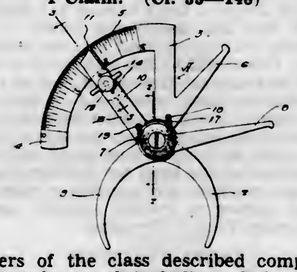
1. A wiper blade for windshield cleaners, comprising a channeled holder having opposed side walls with internal ribs set inwardly from their outer edges, and a wiping body inserted in the channel of the holder and having an anchoring base over which the opposed ribs engage, said anchoring base being relatively large with respect to a projecting portion of the body, said projecting portion being yieldable laterally along its line of juncture with the base, the side walls outwardly beyond the ribs together with the ribs being spaced from the projecting body portion and defining the extent of flexibility of said body portion.

2,039,717
HORN SYSTEM
Henry Hueber, Buffalo, and Erwin C. Horton, Hamburg, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y.
Application May 11, 1931, Serial No. 536,623
7 Claims. (Cl. 177—7)



7. In combination with a vehicle having an internal combustion engine, an electric sounding device and vacuum operable horn connected to the intake manifold of the engine, a manually controlled switch, and means for causing the electric sounding device alone to be operated when the internal combustion engine is not running or the vacuum is lower than a predetermined amount on closing the manually controlled switch, and means for causing the vacuum operable horn alone to be operated when the vacuum in the internal combustion engine intake manifold is sufficient to operate the vacuum horn on closing the manually controlled switch.

2,039,718
CALIPER GAUGE
Anton W. Johanson, Florence, Ala.
Application October 7, 1935, Serial No. 43,943
1 Claim. (Cl. 33—148)



Calipers of the class described comprising a pair of members each including a hub, an outside caliper arm, an inside caliper arm, an arcuate scale plate carried by one member, a pointer arm carried by the other member, means for pivotally connecting together the hubs of the two members, a coiled spring for holding the caliper arms in closed position and clamping means carried by the pointer arm and engaging the scale plate

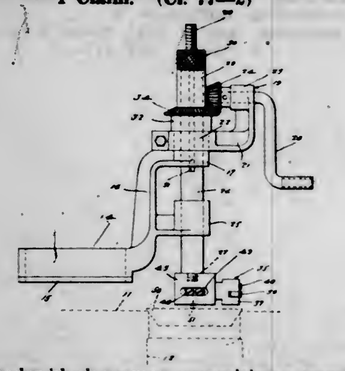
for clamping the parts in adjusted position, said pivotal means consisting of a pair of head members, a screw disposed through one of the head members and threaded into the other, said screw being disposed through said caliper members, one of said head members being provided with a reduced portion at its inner side defining a groove between itself and the adjacent caliper member for receiving the intermediate portion of said coiled spring.

2,039,719

CYLINDER BLOCK REAMER

Theodore S. Kline and Kay Rogers, Sacramento, Calif.

Application March 20, 1934, Serial No. 716,520
1 Claim. (Cl. 77—2)



A cylinder block reamer, comprising a supporting member, a shaft rotatably supported by said member, means for rotating the shaft, means for moving the shaft longitudinally, said shaft being vertically arranged, a reduced threaded portion at the lower end of the shaft, an elongated holder block having a longitudinally extending row of threaded sockets in its upper face, any one of which is adapted to receive the threaded reduced part of the shaft for connecting the block to the shaft, the lower face of the block having a longitudinally extending row of recesses therein, each recess being in alignment with the center of each socket, a substantially frusto-conical centering device fitting in a cylinder and having a centrally arranged centering pin for engaging a recess, said holder block having a longitudinally extending socket therein opening out through one end of the block, a head having a tubular stem sliding in the last mentioned socket, an elongated spring having one end bearing against the bottom or closed end of the elongated socket and its other end against the closed end of the bore of the tubular stem, said head having a non-circular socket therein opening out through the outer face of the head, a non-circular cutter slidably arranged in the last mentioned socket, a set screw carried by the head for holding the cutter in adjusted position, and a roller carried by the head and having a portion slightly projecting from the outer face of the head.

2,039,720

AUTOMATIC VARIABLE PITCH PROPELLER

Chandley William Lambert, Cleveland, Ohio

Application April 4, 1935, Serial No. 14,647
8 Claims. (Cl. 170—162)

1. An automatic variable pitch propeller comprising a power shaft, a hub, rotatable blades, an electric motor, means for rotating said blades in reverse directions cooperating with said motor, pitch measuring means comprising a nut and compression spring cooperating with said motor and said blades, a longitudinally slidable pressure

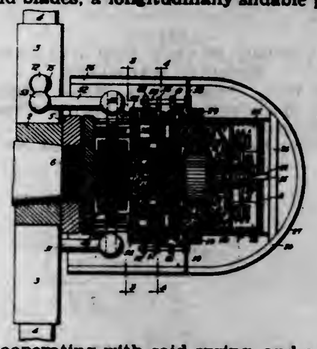


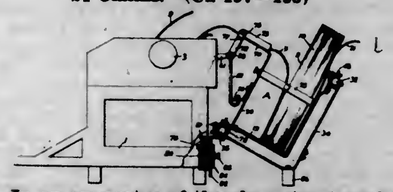
plate cooperating with said spring, and a reversing switch cooperating with said plate and said motor.

2,039,721

WEB SUPPLY CARRIER FOR TYPEWRITING MACHINES

Charles Willis Larkin, Brooklyn, N. Y., assignor, by mesne assignments, to American Sales Book Company, Inc., a corporation of Delaware

Application March 31, 1931, Serial No. 526,592
24 Claims. (Cl. 197—133)



1. In an apparatus of the character described, in combination, a paper-shifter member mounted for reciprocal shift movement, a reciprocally shiftable actuator to which said member is operatively connected for being shifted, the operative connection between said member and actuator including an actuating block having one or more slots, pins on said member loosely engaging said slot or slots so as to mount the block for longitudinal translatory sliding movement upon said member substantially in the direction of shift thereof, said block having an opening for engagement by a block-driving member, and a spring cooperable to restrain movement between said shifter-member and said block in one direction.

5. In an apparatus of the character described, in combination, a shiftable paper container having a wall of foraminous material, one of said walls including a hinged flap cooperable as a paper support.

2,039,722

PROCESS FOR THE PREPARATION OF ORGANIC ACIDS

Alfred T. Larson, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application October 25, 1932, Serial No. 639,481
7 Claims. (Cl. 260—116)

1. A process for the preparation of oxygenated aliphatic organic compounds which comprises contacting a compound selected from the group consisting of a saturated aliphatic alcohol, which is not appreciably decomposed when vaporized, and a compound which gives the saturated aliphatic alcohol upon hydrolysis and carbon monoxide with carbon tetrachloride.

2,039,723

BUFFING TOOL FOR SHOE SHANKS AND SOLES

Piacentino Lauretti, Carlisle, Pa., assignor to Charles A. Wardecker, Carlisle, Pa.

Application April 27, 1935, Serial No. 18,643
11 Claims. (Cl. 51—197)



1. A buffer of the character described, including a concavo-convex core of yielding elastic material having its marginal portion free to flex circumferentially and radially, means for mounting the core upon a shaft, and means for holding an outer covering of emery cloth upon the core.

2,039,724

JACQUARD STRIP

John Lawson, Pawtucket, R. I., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Application April 28, 1928, Serial No. 273,555
1 Claim. (Cl. 66—156)



A jack-like element for use in knitting machines comprising a relatively thin metallic strip having a plurality of readily removable butts projecting from one edge thereof the opposite edge of the said strip being straight, the strip at each end having a rectangular extension projecting beyond all the butts and at right angles thereto, the projecting ends serving as a means for attachment to a support.

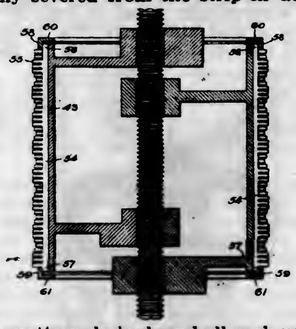
2,039,725

JACQUARD STRIP

John Lawson, Bristol, and Robert H. Lawson, Pawtucket, R. I., assignors to Hemphill Company, Pawtucket, R. I., a corporation of Massachusetts

Application May 28, 1931, Serial No. 540,584
4 Claims. (Cl. 66—156)

1. A jacquard strip for use in a knitting machine comprising a metallic piece elongated but thin and having a large number of projections all extending from one face thereof, all of said projections being of the same size and each adapted to control a single course in the knitting, each projection being close to the next one on either side thereof and each projection being adapted to be readily severed from the strip in accordance



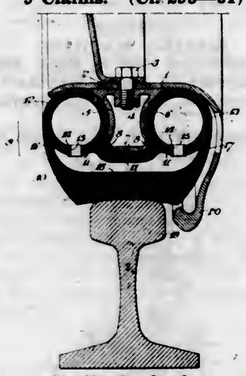
with the pattern desired, and all such projections in the strip controlling stitch formations in the same wale of the fabric, said strip having projecting ends in the plane of the strip adapted to be engaged by holding means for fixedly but removably holding the same in position upon the jacquard strip carrier.

2,039,726

PNEUMATIC TIRE

Joseph Ledwinka, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application June 27, 1932, Serial No. 619,372
9 Claims. (Cl. 295—31)



8. A pneumatic tired wheel comprising a rim, an annular rib extending outwardly from the rim, and a pneumatic tire having a pair of inflatable annular beads on the inner side of the tire arranged to engage the sides of the rib under tension of inflation and interconnected by a transverse wall seated on the radially outer face of said rib.

2,039,727

RAIL CAR WHEEL

Joseph Ledwinka, Philadelphia, Pa., assignor to Edward G. Budd Mfg. Co., Philadelphia, Pa., a corporation of Pennsylvania

Application October 20, 1933, Serial No. 694,368
Renewed October 19, 1935
3 Claims. (Cl. 295—31)

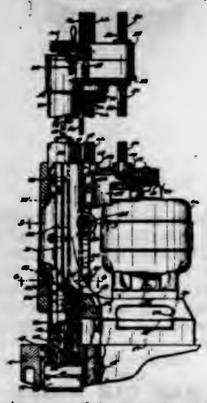
1. A pneumatic tired rail-car wheel comprising a rim member having a tire seating portion

and an integral tire-retaining side wall at its outer side, a wheel flange removably secured against the inner side of said rim member and in part forming an inner tire-retaining wall, and a pneumatic tire mounted on said rim, said wheel flange extending around a side of the tire a radial distance substantially equal to that of the tire tread, and a separate flange ring covering the peripheral edge and outer margin of the flange



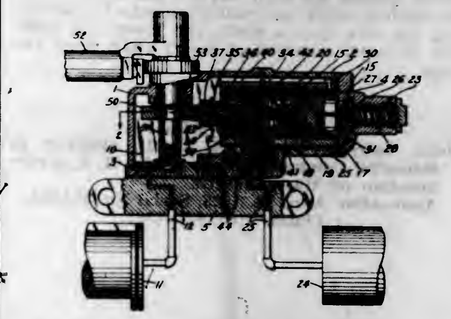
and secured thereto with a portion of its body material interposed between the flange and the inner side of a rail head on which the wheel is positioned in normal alignment, together with a plurality of axially inwardly pressed ribs extending radially outwardly from where the wheel flange is secured to the rim member to near the periphery of the flange.

2,039,728
BORING MACHINE
John M. Lundell and Carl O. Hane, Minneapolis, Minn., assignors to Storm Manufacturing Co., Inc., Minneapolis, Minn., a corporation of Minnesota
Application December 14, 1933, Serial No. 702,297
9 Claims. (Cl. 77—2)



1. In a boring machine, a feed bar having a fixed head, and means for operating the feed bar including a fixed screw extending through the head, a driven wheel loose on the screw within the head, a two-part longitudinally divided nut connected to the wheel for common rotation therewith but with freedom for axial sliding movement into or out of mesh with the screw, a cage for the nut rotatably mounted in the head, yielding means holding the sections of the nut in engagement with the cage and out of mesh with the screw, said cage having cam surfaces arranged to engage the sections of the nut when out of mesh with the screw by rotating the cage relative to the nut and move said sections into mesh with the screw, a connection for holding the cage for common rotation with the wheel when the nut is in mesh with the screw, said connection having sufficient play to permit the cage to be rotated relative to the wheel, and a hand-piece on the cage by which it may be held against rotation relative to the wheel or rotated relative thereto.

2,039,729
SELF-LAPPING BRAKE VALVE
Ewing K. Lynn, East McKeesport, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application January 11, 1935, Serial No. 1,327
18 Claims. (Cl. 303—54)

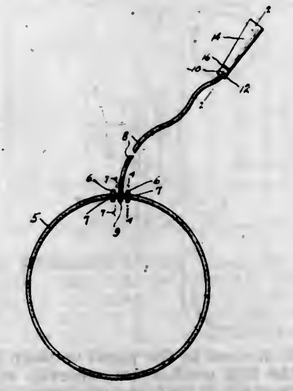


1. In a device of the class described, a casing having a chamber therein, a first movable abutment and a second movable abutment positioned in said chamber, biasing means normally urging said abutments apart, each of said abutments being subject to fluid pressure in said chamber, which pressure is operable to urge said abutments toward each other, a first valve element associated with said first abutment and controlling a passage for the release of fluid from said chamber, a seat for the valve formed on said first abutment, means normally urging said valve element away from said seat, the movable abutments being movable together by force applied to said valve element and tending to move it to its seat, a second valve element associated with said casing and controlling a passage for the supply of fluid to the said chamber, a seat for the valve formed in said casing, means normally urging said valve element toward said seat, and means associated with said second abutment and operable to move said second valve element from its seat.

2,039,730
COLOR-FORMING DEVELOPER
Leopold D. Mannes and Leopold Godowsky, Jr., Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application February 27, 1935, Serial No. 8,520
8 Claims. (Cl. 95—88)

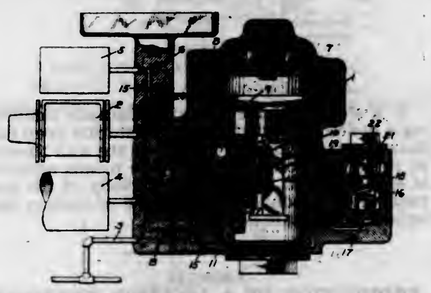
1. A color-forming photographic developer comprising an aromatic amino compound and a coupler compound of the hydroxy diphenyl class.

2,039,731
TOY
Carlisle Martin, Pershing, Okla.
Application November 5, 1935, Serial No. 48,421
1 Claim. (Cl. 46—51)



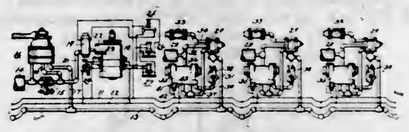
A toy of the class described comprising a flexible ring, a flexible member attached to one point of the ring, a handle attached to the flexible member and including a rotatable hollow portion to be gripped by the user, and a pair of stops on the ring one on each side of the second-mentioned flexible member.

2,039,732
FLUID PRESSURE BRAKE
Joseph C. McCune, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application October 8, 1931, Serial No. 567,565
5 Claims. (Cl. 303—64)



1. In a fluid pressure brake, the combination with a brake pipe, auxiliary reservoir, brake cylinder, and a brake controlling valve device operated upon a reduction in brake pipe pressure for supplying fluid under pressure from said reservoir to the brake cylinder, of an additional reservoir, means for charging the auxiliary reservoir from the brake pipe at one rate and the additional reservoir at a more restricted rate, said additional reservoir having a communication through which fluid can flow from the additional reservoir to the auxiliary reservoir, and a check valve for preventing back flow through said communication from the auxiliary reservoir to the additional reservoir.

2,039,733
ELECTROPNEUMATIC BRAKE
Joseph C. McCune, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application May 6, 1933, Serial No. 669,746
36 Claims. (Cl. 303—15)



1. The combination with a fluid operated brake means, of a fluid actuated valve device for controlling the fluid supply to said brake means and having an operating cycle having two or more operative positions for effecting a corresponding predetermined cycle of operating conditions in said brake means and operative to predetermined operative positions in response to timed supplies of actuating fluid supplied thereto, current responsive means for controlling the supply of actuating fluid to said valve device, a manually actuated current controlling means for controlling the current supplied to said current responsive means, and time controlled means for governing the operation of the manually actuated current controlling means.

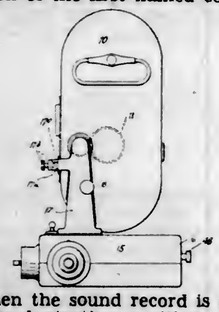
2,039,734
NEW COMPOSITIONS OF MATTER CONTAINING LUMINOUS SUBSTANCES
Georg Meder, Munster, (Taunus), and Konrad Schad, Frankfort-on-the-Main-Hochst, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application February 23, 1933, Serial No. 658,246. In Germany March 1, 1932
1 Claim. (Cl. 134—26)

A composition comprising a polymerized aromatic hydrocarbon selected from the group consisting of polystyrene, polymerized vinyl naphthalene, polymerized vinyl tetrahydronaphthalene, polymerized methyl styrene, polymerized ethyl styrene, and polymerized methyl vinyl naphthalene, and embedded therein a phosphorescent substance of the group consisting of strontium sulfide/bismuth and rubidium, zinc sulfide, organic boric acid compounds, calcium sulfide, and strontium sulfide.

2,039,735
SYNCHRONIZED TALKING PICTURE SYSTEM
Sidney A. Murdock, Los Angeles, Calif., assignor, by mesne assignments, to Synero Sound, Inc., Los Angeles, Calif., a corporation of California
Application February 2, 1934, Serial No. 709,448
5 Claims. (Cl. 88—16.2)

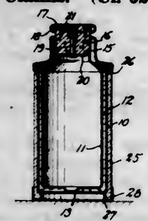
1. The combination of a rotating sound record machine manually adjustable to place the record in a predetermined starting position, a kinetograph mechanism manually adjustable to place the film in starting position, an electric motor for driving the kinetograph mechanism, a rotatable commutator mechanism drivingly connected with the kinetograph mechanism and manually rotatably adjustable with reference to the kinetograph mechanism while the kinetograph mechanism is stationary, to take a predetermined marked starting position, index means providing starting marks

establishing the last named position, a rotatable commutator mechanism drivingly connected with the rotating sound record and arranged to take a given starting position relative to the marked starting position of the first named commutator



mechanism when the sound record is rotated to its predetermined starting position, and electrical connections between the two commutator mechanisms including a source of electricity and said electric kinetograph motor.

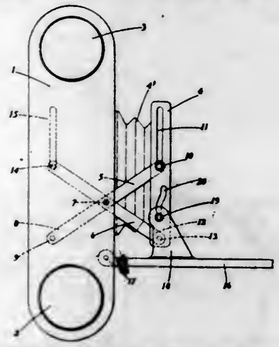
2,039,736
REFRIGERATION
Carl Georg Munters and Alvar Lenning, Stockholm, Sweden, assignors to Platen-Munters Refrigerating System, Aktiebolag, Stockholm, Sweden, a corporation of Sweden
Application November 17, 1931, Serial No. 575,569
In Germany November 17, 1930
9 Claims. (Cl. 62—1)



1. A food dispensing and refrigerating device comprising a receptacle having double walls spaced to receive a refrigerating medium therebetween and having hermetically sealed between said walls a substance having a negative coefficient of expansion on freezing and capable of freezing to solid form within the normal temperature range of artificial refrigeration.

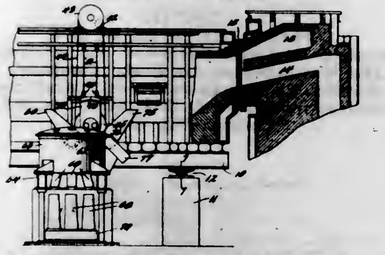
2,039,737
PHOTOGRAPHIC CAMERA
August Nagel, Stuttgart-Nord, Germany, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application December 28, 1934, Serial No. 759,522
In Germany January 16, 1934
13 Claims. (Cl. 95—40)

1. In a photographic camera, in combination, a casing, a lens panel, lazy tongs link mechanism connected at one end by two pivots to the camera casing and at the other end by two pivots to the panel, the two pivots at each end being spaced apart, and relatively movable, in a direction parallel to the focal plane so that the link mechanism, whilst maintaining the panel with its central plane parallel to the focal plane, permits movement of the panel into its inoperative position within the casing and into its operative position outside the casing, a door hinged to the camera casing, said door when fully closed covering the lens panel within the casing and when fully open serving as a baseboard for the panel when the latter is in its operative position, and a projection carried by the door and engaging



a guide slot formed in the panel between the two pivots of the link mechanism, whereby when the door is turned about its hinge movement is transmitted to the panel by the said projection which slides along the guide in the panel.

2,039,738
METALLURGICAL FURNACE
John D. Pugh, Baltimore, Md.
Application May 3, 1933, Serial No. 669,251
6 Claims. (Cl. 266—13)

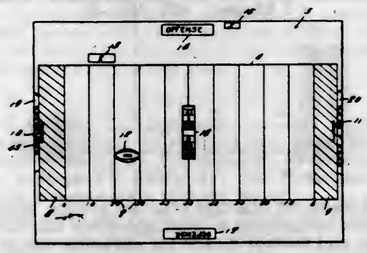


1. A stationary metallurgical furnace comprising a hearth provided with a constantly open discharge port or tap hole formed in the wall thereof at its lowest point, and movable means effective at said port and positioned exteriorly of the furnace wall for controlling the flow of molten material through said port.

2,039,739
PRODUCTION OF A LECITHIN NUTRIENT MATERIAL
Bruno Albert Rewald, Hamburg, Germany, assignor, by mesne assignments, to American Lecithin Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application October 25, 1933, Serial No. 695,213. In Germany November 26, 1932
1 Claim. (Cl. 99—15)

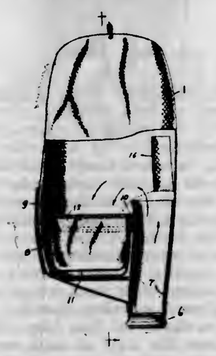
Process of producing nutrient material consisting in adding sugary material to aqueous phosphatide emulsion, and distilling said mixture, the amount of said sugary material being only a very minor fraction of the amount of the phosphatide, and deodorizing said mixture to form a solid product.

2,039,740
FOOTBALL GAME AND APPARATUS
John Sapp, Republic, Pa.
Application April 9, 1935, Serial No. 15,478
1 Claim. (Cl. 273—141)



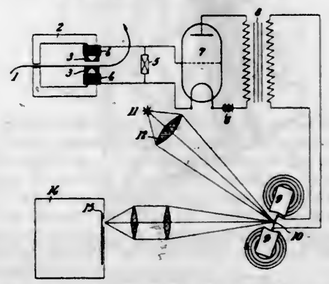
Game apparatus of the character described comprising a top having thereon a playing field including a centralized opening, an offensive spinner disk pivoted to the underside of the top adjacent one side of the top, a defensive spinner disk pivoted to the underside of the top across from the first-mentioned disk, each of said disks including concentric circles of plays in different categories, like positioned circles on both wheels relating to offensive and defensive plays in their corresponding categories, said circles being exposed in said opening, offensive play selector means and defensive play selector means mounted under said top and having frame portions movable over the exposed designations on the disks in said opening in the top for positively indicating offensive and defensive plays to be carried out, and shutter means for closing said opening to hide the disks and the play designating means while said disks are spun and until the same come to rest, and concealed play selector position indicating means for each of said play selector means, said frame portions of the selector means being each adjustable radially of the corresponding disk to overlie any selected circle of plays.

2,039,741
VACUUM CLEANER DUST BAG
Henry I. Richards, Washington, D. C.
Application December 10, 1932, Serial No. 646,682
10 Claims. (Cl. 183—51)



1. In a dust bag for vacuum cleaners, a porous bag having an inlet attached to the cleaner, a horizontal open tray completely within said bag positioned adjacent the inlet adapted to receive dust therefrom and an opening in one side of said bag for the removal of said tray.

2,039,742
MANUFACTURE OF SOUND RECORDS
Charles Schinzel, Troppau, Czechoslovakia
Application October 23, 1931, Serial No. 570,754
In Germany September 4, 1929
6 Claims. (Cl. 179—100.2)



3. In the manufacture of sound records and sound motion picture films the method of providing a photographic sound record which comprises transforming sound waves into electrical impulses, registering said electrical impulses magnetically, and transferring the magnetic sound record photo-electrically onto a photographic film having a silver halide emulsion layer of a grain size below 0.1 micron highly photosensitized with dyestuffs.

2,039,743
INFUSIBLE MOLDED PRODUCT
Samuel E. Sheppard, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application June 5, 1934, Serial No. 729,090
6 Claims. (Cl. 18—48)

1. An infusible molded product comprising a vulcanized cellulose aliphatic ester, free from cyclic radicals and containing an unsaturated aliphatic acid radical.

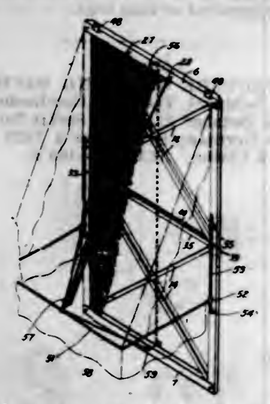
2,039,744
CELLULOSE ORGANIC ESTER COMPOSITION CONTAINING AN ALPHA-SUBSTITUTED PHENYLETHYL ALCOHOL
Henry B. Smith, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application May 31, 1934, Serial No. 728,389
7 Claims. (Cl. 106—40)

6. A composition of matter comprising a cellulose organic acid ester and phenyl benzyl carbinol.

2,039,745
COMBINATION SCREEN AND AWNING
Joseph M. Sullivan, Jackson Heights, N. Y.
Application August 14, 1934, Serial No. 739,726
7 Claims. (Cl. 156—14)

5. A screen comprising a relatively thin metal frame consisting of U-shaped vertical and horizontal members adjustably attached at the corners providing adjustment in the sides thereof, a continuous wire mesh extending across the

outer surface of said frame, and an inner frame securing the edges of said wire mesh to the inner



face of the outer portion of said outer screen frame.

2,039,746
BUTT-WELD PIPE
Charles O. Spillman, Beaver, Pa., assignor to Pittsburgh Tube Company, Pittsburgh, Pa., a corporation of Delaware
Application August 29, 1935, Serial No. 38,414
1 Claim. (Cl. 285—12)



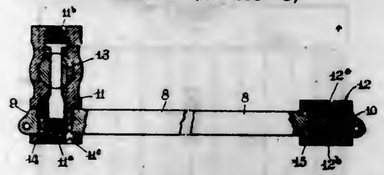
The method herein described of forming butt-weld pipe which consists in drawing powerfully through a welding bell a heated skelp, plane-surfaced along one of the meeting edges and of convex form along the opposite edge and producing an area of weld that widens from an initial intermediate line of contact both inwardly and outwardly to the ultimate inner and outer surfaces of the pipe.

2,039,747
BIT BLOCK
Edwin P. Stenger and Armin O. Bruestle, Cincinnati, Ohio, assignors to The Cincinnati Mine Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application October 10, 1933, Serial No. 692,998
36 Claims. (Cl. 262—33)



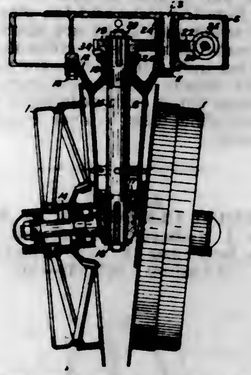
6. In a mining machine chain, a chain link including a lug portion, a holder including a head portion and a shank, said chain link lug including a socket for said shank, said socket including a recess for receiving said head, said head having contact with the rear wall of said recess, means for holding said holder in place, and a cutter bit obliquely mounted in the head and projecting angularly therefrom.

2,039,748
HANGER STRUCTURE FOR METERS
Charles W. Stevens, Columbus, Ohio, assignor to The Lattimer-Stevens Company, Columbus, Ohio, a corporation of Ohio
Application March 19, 1930, Serial No. 437,287
7 Claims. (Cl. 285—3)



1. Means for spacing the two service pipes of a meter comprising a rigid one-piece bar having at one end thereof means for engaging one of the service pipes and having at the other end thereof a conical opening forming a seat, a conical sleeve to fit in said seat and rotatably mounted therein, said sleeve having a screw thread in its larger end for connection with the other service pipe and a screw thread for connection with the meter pipe.

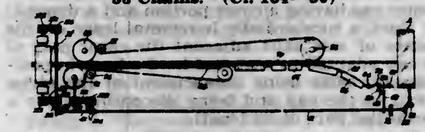
2,039,749
STEERING MECHANISM FOR MOTOR VEHICLES
Walter F. Strehlow, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Original application November 24, 1930, Serial No. 497,854. Divided and this application October 8, 1931, Serial No. 567,588
1 Claim. (Cl. 280—97)



In a vehicle, dirigible front wheels, a casing above the axes of said wheels, steering means for said wheels, including a substantially vertical steering spindle having a portion projecting into said casing, a worm shaft rotatably mounted in said casing on an axis non-coplanar with the axis of said steering spindle, a worm element within said casing positioned on said worm shaft adjacent to the point of the axis of the latter which has the shortest distance from the axis of said steering spindle, a worm wheel within said casing cooperating with said worm at the side thereof facing said steering spindle, said worm wheel having a diameter less than the shortest distance between the axis of said steering spindle and the axis of said worm shaft, a toothed gear within said casing positioned on said steering spindle adjacent to the point of the axis of the latter which has the shortest distance from

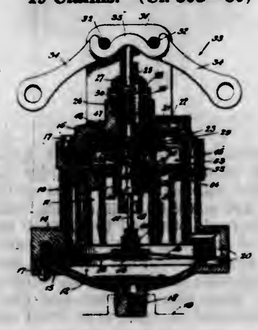
the axis of said worm shaft, the teeth of said toothed gear cooperating with the teeth of said worm wheel, a motor occupying a space behind said casing between the axis of said worm shaft and a plane through the axis of said steering spindle parallel to said worm shaft axis, and a steering column, having a forward end connected to said worm shaft, said steering column clearing said motor at the side of the latter adjacent to the axis of said worm shaft.

2,039,750
CORRUGATED PAPERBOARD MACHINE
George W. Swift, Jr., Bordentown, N. J., assignor to George W. Swift, Jr., Inc., Bordentown, N. J, a corporation of New Jersey
Application April 20, 1934, Serial No 721,528
33 Claims. (Cl. 154—30)



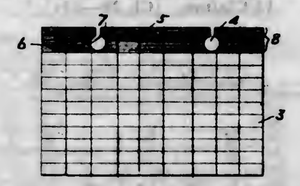
21. In a machine of the character described, the combination with mechanism for assembling a plurality of continuous webs and uniting said webs together to form a continuous composite web, of frictional feed belts constructed and arranged to operate on the top and bottom surfaces of the continuous composite web, and power-driven operating connections for said frictional feed belts including a variable speed transmission operable while the machine is running for varying the velocity of said frictional feed belts.

2,039,751
AIR BRAKE SYSTEM AND BLEEDER VALVE THEREFOR
Willard B. Tallerdy, Bridgeport, Conn.
Application April 15, 1935, Serial No. 16,439
19 Claims. (Cl. 303—80)



1. The combination of an air reservoir of a braking system and a bleeder valve connected to said air reservoir and having an air-escape valve, means to operate said valve including a valve-release lever to open the valve and permit air in said reservoir to escape, means responsive to air pressure in the reservoir to cause the valve to immediately close upon the release of actuating force on said lever while the reservoir is charged or is being charged and the brakes stand released, and means responsive to a different air pressure in the reservoir to cause said valve to be delayed in its closing movements, when the pressure in the reservoir is reduced due to the brakes being applied.

2,039,752
FILING CARD OR LOOSE LEAF
Frederick Thomas, Philadelphia, Pa., assignor to Keystone Index Card Company, Philadelphia, Pa., a corporation of Delaware
Application January 19, 1934, Serial No. 707,253
1 Claim. (Cl. 129—1)

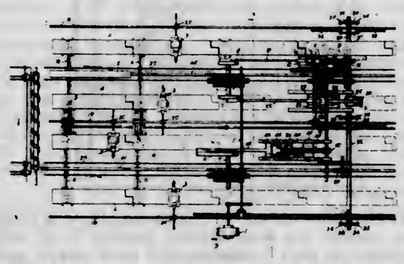


A filing card or loose leaf, rectangular in outline and having perforations spaced inward from one of its edges and provided through its body, and having a coating of varnish applied to said edge and to the bounding walls of the perforations and to the border portion of each face inside said edge and confined to the surface, leaving the underlying portion of the card or loose leaf in its original flexible condition.

2,039,753
PROCESS OF OIL-PROOFING MATERIAL AND PRODUCT THEREOF
Benjamin H. Thurman, Bronxville, Arthur W. Thomas, New York, and Merris Mattikow, Brooklyn, N. Y., assignors, by mesne assignments, to Refining, Inc., Reno, Nev., a corporation of Nevada
No Drawing. Application September 21, 1932, Serial No. 634,144
5 Claims. (Cl. 91—68)

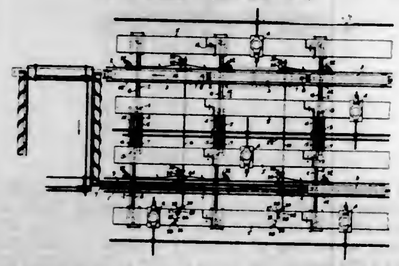
4. As an article of manufacture, an oil-proof paper having as an oil-proofing material on a surface thereof a film of a composition consisting essentially of water soluble soap.

2,039,754
MACHINE DRIVE
Julius B. Tiedemann, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application January 31, 1935, Serial No. 4,403
12 Claims. (Cl. 29—33)



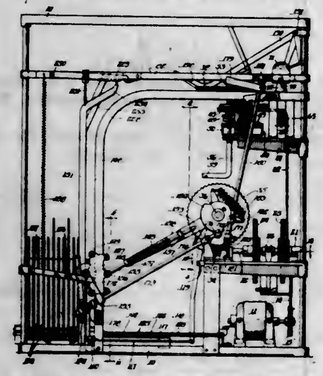
1. In a machine, a plurality of parts requiring distinctly different movements in timed synchronism in a cycle of operation, a plurality of constantly rotating cranks respectively providing a source of power for each of said movements of parts, and means disposed between each of said cranks and its respective driven part for effecting synchronized reciprocating movement of the latter at periods different from the normal reciprocatory drive of said cranks.

2,039,755
MACHINE AND WORK POSITIONING MECHANISM
Julius B. Tiedemann, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application January 31, 1935, Serial No. 4,404
13 Claims. (Cl. 29—33)



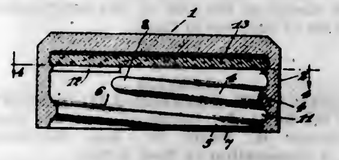
1. In a machine of the class described, a conveyor line having a work station, work performing machines on opposite sides of said line and spaced therefrom, and means for moving said machines simultaneously toward said conveyor line into working position and for similarly retracting said machines, said last-named means comprising a pair of cranks intermittently rotated toward and away from each other and means connecting said cranks to the respective machines to effect the positioning thereof.

2,039,756
AUTOMATIC PHONOGRAPH
John L. Vaughn, Cicero, Ill., assignor, by mesne assignments, to The Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y., a corporation of New York
Application April 15, 1929, Serial No. 355,163
22 Claims. (Cl. 274—10)



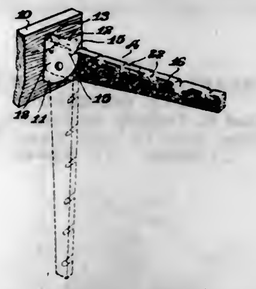
17. In a phonograph, a record magazine, a turntable, means for transferring records from said magazine to said turntable and back again, said means including gripper mechanism for holding a record, guide rails extending between said magazine and said turntable, means for moving said grippers along said rails from said magazine to said turntable and back, and means supported by said rails for reversing said gripper mechanism to turn a record carried thereby when said gripper mechanism moves in one direction over said rails and inoperative when said gripper mechanism passes in the other direction over said rails.

2,039,757
MOLDED CAP
Louis A. Von Till, Brooklyn, N. Y., assignor to Anchor Cap & Closure Corporation, Long Island City, N. Y., a corporation of New York
Application December 12, 1930, Serial No. 501,803
14 Claims. (Cl. 215—43)



1. As an article of manufacture, a molded screw closure cap having a cover portion and a depending skirt, a substantially horizontal ledge on the interior of said skirt adjacent the cover part of the cap adapted to seat and hold a liner in position, said ledge being independent of the screw thread in the cap and being discontinued for a substantial part of its length.

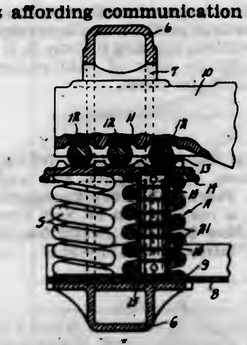
2,039,758
EXTENDIBLE GARMENT SUPPORT
Thomas E. Wayne, St. Paul, Minn., assignor, by mesne assignments, of one-half to Emma B. Blanchette, St. Paul, Minn.
Application August 12, 1932, Serial No. 628,488
4 Claims. (Cl. 211—99)



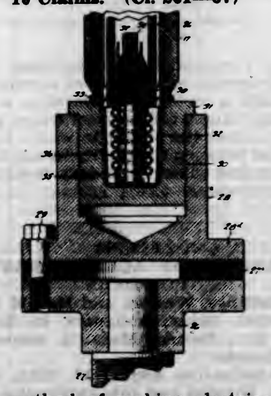
4. A garment hanger including a wall bracket having a pair of spaced opposed sides thereon, a pivot member extending between said spaced sides, a bracket arm having a longitudinal slot in one end thereof, adapted to contain said pivot, means on said arm engageable with said bracket to hold said arm in extended position, and means extending through said arm and through the open end of said slot to close the slot and to prevent withdrawal of said arm from said pivot.

2,039,759
RUBBER SNUBBER SPRING
Edwin W. Webb, Chicago, Ill., assignor to Standard Car Truck Company, Chicago, Ill., a corporation of New Jersey
Application June 23, 1934, Serial No. 732,099
6 Claims. (Cl. 267—33)

1. A snubber spring comprising a pair of caps, a plurality of rubber pads interposed between said caps, metal plates interposed between adjacent pads and attached thereto, said pads, plates and caps having alined openings therethrough for the dissipation of heat, said caps having air passages affording communication between said openings and the air surrounding said caps and a coiled spring encircling said pads and plates.



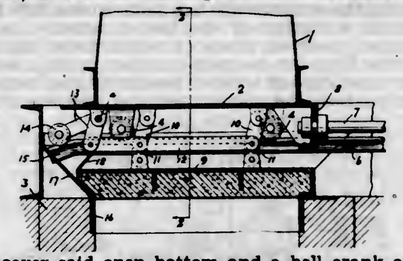
2,039,760
METHOD OF FORMING ELECTRICAL RESISTOR HEATING ELEMENTS
Edwin L. Wiegand and Albert P. Wiegand, Pittsburgh, Pa.
Application February 15, 1930, Serial No. 428,665
Renewed January 8, 1935
10 Claims. (Cl. 201—67)



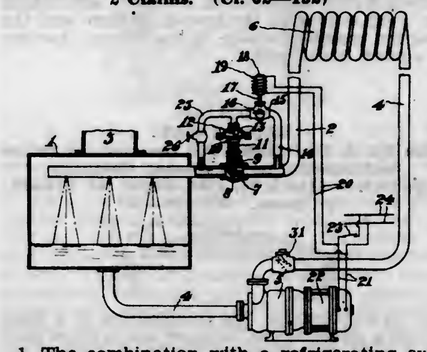
10. The method of making electrical resistor heating elements of the character described which consists in positioning in a suitable receptacle a form having a resistor coiled thereon, the form being of such size as to leave a space between the resistor and the walls of the receptacle, closing the receptacle and extruding into said space and through and between the coils of said resistor sufficient insulating material to fill the receptacle and to insulate the resistor and to place the contents of the receptacle under high pressure.

2,039,761
CONTAINER DOOR AND CHARGING HOLE COVER
Joseph K. Weniger, Philadelphia, Pa., assignor to Beaumont Birch Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 22, 1934, Serial No. 716,801
2 Claims. (Cl. 110—118)

2. The combination with an incinerator having an opening in its top and a container mounted above the same and having an open bottom communicating with said opening, of a laterally slidable door closing said open bottom and a cover closing said opening, said door and cover being spaced apart and connected by pivotal links, means for moving the door laterally to uncover said open bottom and a bell crank and inclined rail coacting therewith for actuating the links to lift said cover on the movement of said door, the cover moving laterally with the door.



2,039,762
REGULATING MEANS FOR REFRIGERATING SYSTEMS
George H. Woodard, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application March 29, 1935, Serial No. 13,642
2 Claims. (Cl. 62—152)

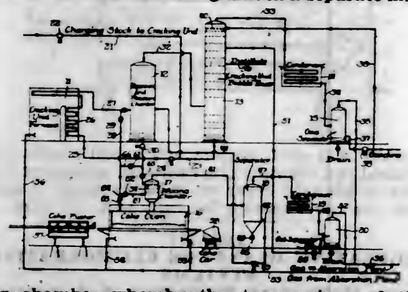


1. The combination with a refrigerating system having an evaporator and a continuous conduit removing chilled refrigerant therefrom and returning warmed refrigerant thereto, of apparatus for maintaining said conduit substantially filled with refrigerant and for preventing flooding of the evaporator, said apparatus comprising a pump to force refrigerant from the evaporator through the conduit, a check valve in the conduit at the pump discharge to prevent back-flow of refrigerant through the pump and into the evaporator, and a device responsive to the pressure of the refrigerant in the conduit to effect a desired degree of obstruction of the conduit near its entrance to the evaporator, said device to cause complete obstruction of said conduit when said pressure fails thereby trapping refrigerant in the conduit between said device and said check valve.

2,039,763
METHOD OF COKING LIQUID HYDROCARBONS
Charles W. Andrews, Chicago, Ill., and Roy S. Petersen, San Antonio, Tex., assignors to Brassert - Tidewater Development Corporation, Chicago, Ill., a corporation of Delaware
Application July 5, 1932, Serial No. 620,742
1 Claim. (Cl. 202—5)

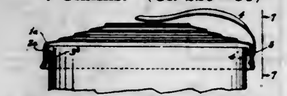
The method of coking liquid hydrocarbons, which comprises mixing said hydrocarbons with

an overhead condensate of the process, passing the mixture through a cracking unit furnace and raising the temperature to a point above 800° F., passing a portion of the heated mixture to a pressure reaction chamber, withdrawing liquid residue from the reaction chamber, mixing with the liquid residue another portion of the heated mixture from the cracking unit in a separate mix-



ing chamber whereby the temperature of the residue is raised, discharging this latter heated mixture from the mixing chamber into an externally heated coking chamber maintained at approximately atmospheric pressure, and coking the solid residue of the heated mixture and the reaction chamber residue in the coking chamber to a hard, dense coke.

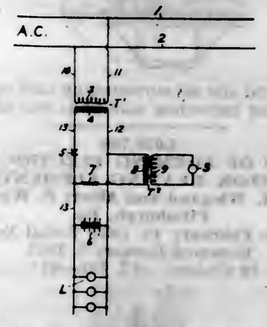
2,039,764
RECEPTACLE
John Barth, Cleveland, Ohio, assignor, by mesne assignments, to The Robar Company
Application March 26, 1934, Serial No. 717,448
7 Claims. (Cl. 220—56)



1. In a receptacle, the combination of a body having a projection at its upper end, a cover having a depending rim fitting said body, said rim being formed with an opening, and co-operating locking elements, one carried by the inner wall of said rim and arranged below said projection when the cover is in position and the other consisting of a member having a resilient end portion fixedly connected to said cover rim adjacent said opening and carrying inwardly of said end portion a device extending through said opening to dispose its free end normally below said projection when said cover is in position, said resilient portion permitting said member to swing relative to said cover whereby said device clears said projection to permit removal of the cover, said device being arranged to engage said rim when said member swings relative to the cover to limit the movement of said member.

2. In a receptacle, the combination of a body having a projection at its upper end, a cover having a depending rim fitting said body, said rim being formed with an opening, and co-operating locking elements, one carried by the inner wall of said rim and arranged below said projection when the cover is in position and the other consisting of a member fixedly connected at its outer end to said cover rim below said opening therein and carrying inwardly of said outer end a lock device extending through said opening to dispose its free end below said projection when said cover is in position, said member extending upwardly and inwardly and being resilient whereby said device normally engages the side wall of said body when said cover is in position and by grasping said member and exerting upward pull on it, it will flex to swing said device clear of said projection to permit removal of the cover.

2,039,765
ELECTRICAL SIGNALING DEVICE
Frank G. Beetem, Philadelphia, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
Application May 25, 1933, Serial No. 672,797
2 Claims. (Cl. 177—311)



1. In an electrical system including a storage battery connected to a source of alternating current through a rectifying apparatus, a signaling device comprising a transformer whose primary is connected across the circuit to which the battery is connected between the rectifying apparatus and the battery and whose secondary is connected to a signaling device.

2,039,766
GRANULES OF AGGLOMERATIVE POWDERS
Edmund Billings, Weston, and Harold H. Offutt, Winchester, Mass., assignors to Godfrey L. Cabot, Inc., Boston, Mass., a corporation of Massachusetts
Original application August 12, 1933, Serial No. 684,884. Divided and this application April 19, 1934, Serial No. 721,382
2 Claims. (Cl. 134—58)



1. As a new product of manufacture, polished spherical granules each comprising a tenacious core of one agglomerative powder enclosed in a plurality of concentric shells of another agglomerative powder, all united in an integral body of sufficient tenacity to withstand disintegration when handled in bulk.

2,039,767
INSOLE
Frank Bilodeau, Montreal, Quebec, Canada
Application December 6, 1934, Serial No. 756,273
3 Claims. (Cl. 36—22)

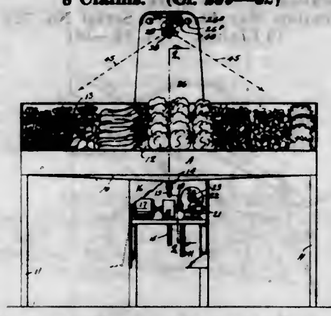
2. A leather insole having a lip formed on one face adjacent the edge, the body portion defined within said lip being uniformly hollowed out to practically the top grain of the leather to form a thin flexible body portion, ventilating means

provided at the extreme toe end of the insole, and a flat padding of resilient porous material inlaid



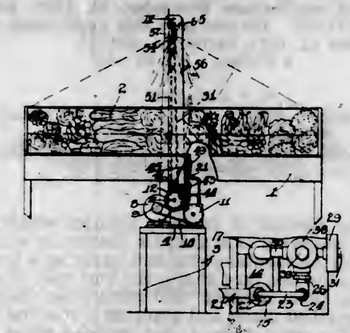
in the hollowed out portion to restore the same to its original thickness.

2,039,768
VEGETABLE HYDRATING APPARATUS
Benjamin F. Bird, Highland Park, Ill.
Application June 19, 1933, Serial No. 676,498
8 Claims. (Cl. 299—62)



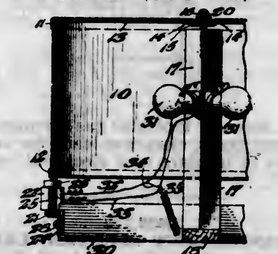
8. In a hydrating apparatus, a display stand for vegetable matter, spray means arranged to spray the contents of said stand substantially from one end of said contents to the other, fluid delivery means leading to said spray means, valve means controlling the fluid supply to said spray means, and automatic control means arranged to periodically actuate said valve means so as to cause to be delivered to the vegetable matter on the stand certain amounts of water consistent with the ability of such vegetable matter to absorb the same.

2,039,769
APPARATUS FOR HYDRATING
Benjamin F. Bird, Kenilworth, Ill.
Application January 10, 1934, Serial No. 706,002
5 Claims. (Cl. 299—25)



1. In a hydrating apparatus, a display stand containing vegetables or the like an oscillatable spray means for delivering a uniform spray over the vegetables from one end of the stand to the other, water feeding means leading to said spray means, pressure means for building up pressure in said feeding means, power means operatively associated with said pressure means and said oscillatable spray means, valve means associated with said feeding means, and control means operatively connected with said power means and responsive thereto for intermittently actuating said valve means to periodically cut off the supply of water to the spray means so as to prevent too much water from being sprayed on the vegetables.

2,039,770
DISPLAY DEVICE
David C. Birdsell, Enfield, and David M. Bauer, Norristown, Pa.
Application December 6, 1934, Serial No. 756,204
3 Claims. (Cl. 40—33)



1. A display device comprising a frame, an upright member on the frame, a spider pivotally mounted upon said upright member for free rotation, a circular band affixed to the outer ends of the arms of said spider, a cylindrical display surface extending downwardly from said band, a circular iron band attached to the bottom of said surface, a U-shaped electromagnet mounted on said frame with its poles near the iron band, a shading coil around one of said poles, means to energize the magnets to rotate the iron band and display surface and means permitting the distance between the magnet and the band to be varied to adjust the speed of rotation.

2,039,771
METHOD OF FORMING RAKES, FORKS, AND THE LIKE
Frank Bishop, Los Angeles, Calif.
Application August 1, 1934, Serial No. 737,913
10 Claims. (Cl. 76—111)

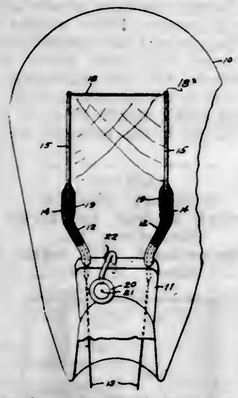


1. The method of forming toothed implements consisting in initially forming a strip of sheet metal with a row of spaced transversely extending slots, then forming a second row of transversely extending slots connecting the opposite ends of adjacent of the initially formed slots thereby dividing the strip into a pair of toothed lengths.

2,039,772
ELECTRIC RADIATION DEVICE
Chester H. Braselton, New York, N. Y., assignor to Sirian Lamp Company, Newark, N. J., a corporation of Delaware
Application May 17, 1932, Serial No. 611,811
7 Claims. (Cl. 176—16)

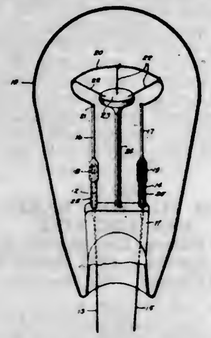
1. In an electric discharge device an envelope, a resistance filament having high electron emis-

sivity, an elongated support post for one end of said filament, a second similar support post for the other end of said filament, both of said posts being formed of conducting material of a refractory nature having a permanent low electron



emissivity, an inert ionizable gas surrounding said filament and posts, electrical leads for said posts, and means to insulate said electrical leads from said gas.

2,039,773
INCANDESCENT ELECTRIC LAMP
Chester H. Braselton, New York, N. Y., assignor to Sirian Lamp Company, Newark, N. J., a corporation of Delaware
Application May 17, 1932, Serial No. 611,813
2 Claims. (Cl. 176—38)



1. In a device of the class described a press, a pair of support rods mounted on said press, a pair of carbon coated posts mounted on said support rods, an insulating coating covering the surface of said support rods, and a metal surfaced lighting filament connected between the free ends of said carbon coated posts.

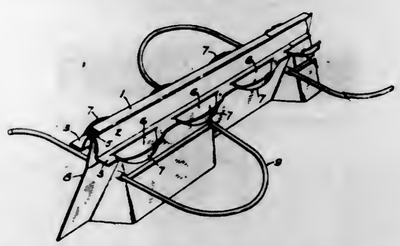
2,039,774
DOOR STRUCTURE
Charles G. Bryson, Erie, Pa., assignor to Erie Restaurant Equipment Company, Erie, Pa., a corporation of Pennsylvania
Application June 9, 1931, Serial No. 543,118
2 Claims. (Cl. 16—131)

1. A hinge structure comprising a hinge loop having opposing guide surfaces; a hinge block slidingly mounted in the loop in engagement with said guide surfaces; a hinge knuckle; a pintle connection between the block and knuckle; an adjusting screw for adjusting the block in the



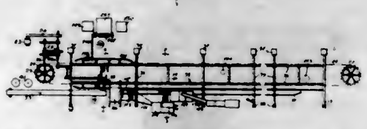
loop; and a screw operating against the side of the block locking the block in adjustment.

2,039,775
METAL SEALING CAP FOR ROAD PARTING STRIPS
Edward W. Burgess, Milwaukee, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application May 14, 1934, Serial No. 725,431
10 Claims. (Cl. 94—18)



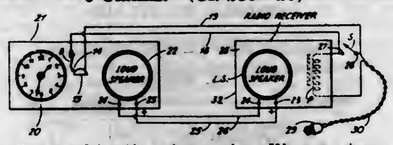
5. In combination with a plurality of sections of concrete or the like, having their edges in juxtaposition, a sealing strip extending longitudinally therebetween with its respective side edges embedded therein, said strip comprising a central expansible bead at the top and downwardly extending body members joining the bead at each side to the embedded edge portions, said bead having its top flattened to strengthen the same and provide a bottom of suitable width for a groove between the sections.

2,039,776
METHOD OF WEATHERPROOFING SHINGLES OR LIKE ARTICLES
Maurice L. Caton, White Plains, N. Y., assignor to The Patent and Licensing Corporation, New York, N. Y., a corporation of Massachusetts
Original application December 12, 1929, Serial No. 413,668. Divided and this application November 23, 1933, Serial No. 699,342
6 Claims. (Cl. 91—68)



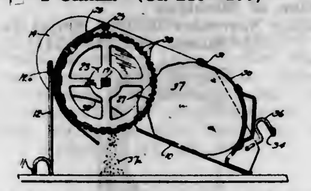
1. The method of treating shingles which includes conveying said shingles flatwise in a substantially horizontal plane and applying a treating liquid to one face and to the butt end, of said shingles, then rotating said advancing shingles into a vertical plane and applying a treating liquid to the other face of said shingles while the shingles are in the vertical plane.

2,039,777
RADIO RECEIVER CONTROL
Jason A. Chadkin, Brooklyn, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 3, 1933, Serial No. 674,173
6 Claims. (Cl. 250—20)



1. In combination in a signalling system, an alarm clock having fixed and movable operating members, time controlled means for causing said movable member to strike said fixed member to thereby produce sound waves, a manually adjustable member arranged to engage said movable member and retain it in contact with said fixed member, a radio receiver including a loudspeaker and a power supply circuit and a pair of leads connecting said fixed and movable members in series in said power supply circuit, whereby said radio receiver is energized when said manually adjustable member is moved into engagement with said movable member.

2,039,778
VEGETABLE GRATER
Anthony Chojnacki, Cleveland, Ohio, assignor of one-half to Joe Golenberg, Cleveland, Ohio
Application March 6, 1935, Serial No. 9,525
1 Claim. (Cl. 146—177)



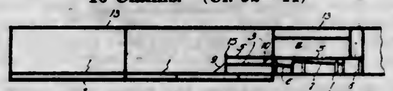
A vegetable grater comprising a channel casing having an opening in the bottom thereof, a rotary grating cylinder mounted between the sides of said casing above said opening, a shield pivoted at its upper end to and between the sides of the casing above the cylinder and extending partly around one side of the latter and depending to said opening, and a sliding follower movable toward and from the cylinder, between the sides of the casing, at the opposite side of the cylinder the follower having a cross bar at the top the ends of which rest upon and slide along the upper edges of the casing.

2,039,779
HOLDER
Charles H. Cote, Orange, Mass., assignor to J. F. Simpson, Orange, Mass.
Application January 19, 1935, Serial No. 2,555
3 Claims. (Cl. 248—38)



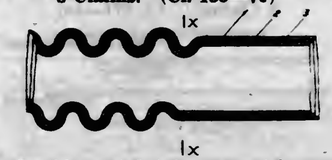
3. A holder of the class described comprising in combination, a substantially flat horizontal base, a pair of hinge members of spring-like material having outer end portions secured to said base, a pair of substantially flat plate members hingedly connected to the inner adjacent ends of said hinge members for swinging movements between positions in substantial parallelism with and adjacent said base and upstanding positions in spaced relation, engageable means associated with the lower ends of said plate members and said base for releasably holding said plate members in said upstanding positions, and inwardly extending lugs on the upper end portion of one of said plate members for co-operating with the other of said plate members when they are in said upstanding positions to form a socket having yieldable walls.

2,039,780
PAPER MAKING MACHINERY
James K. Darby, Dayton, Ohio, assignor to Beloit Iron Works, Beloit, Wis., a corporation of Wisconsin
Original application September 24, 1928, Serial No. 307,966. Divided and this application February 27, 1930, Serial No. 431,734
16 Claims. (Cl. 92—44)



1. In a paper making machine of the class described having a structure normally disposed within the wire loop, cross lateral cables drawn taut at fixed points within the wire loop to spread said wire over the remote parts, means to secure said cables, and pipe members slidably mounted on said cables substantially greater in length than the width of said wire.

2,039,781
FLEXIBLE METAL TUBE
Rodolfo Debenedetti, Turin, Italy, assignor to Chicago Tubing and Braiding Company, Maywood, Ill., a corporation of Illinois
Application July 28, 1934, Serial No. 737,438
In Germany July 29, 1933
8 Claims. (Cl. 138—70)

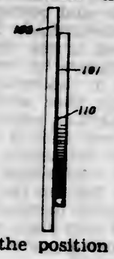


1. A flexible metal tube comprising uninterrupted thin metal tubular bodies located within each other and provided with registering corrugations transversely to the tube axis and a thin layer of soft material intermediate said bodies.

2,039,782
GAME APPARATUS
Howard R. Doty, Glenside, Pa.
Application May 6, 1935, Serial No. 19,942
6 Claims. (Cl. 273—102)

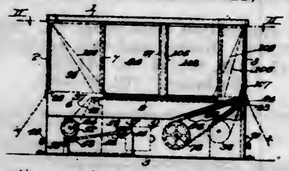
1. In a game device, including, at least: two members operatively associated and arranged for adjustment relatively to each other; one of said members having a displaceable and replaceable target element and a surface portion identical in appearance to a surface portion of said element; the other member having a plurality of openings making portions of said target element

and first member visible therethrough, and
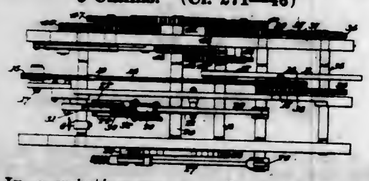


means to conceal the position of the aforesaid target element.

2,039,783
SANITARY CABINET FOR HOUSE PETS
William B. Ebeling, Brooklyn, N. Y.
Application October 25, 1934, Serial No. 749,882
26 Claims. (Cl. 119—15)



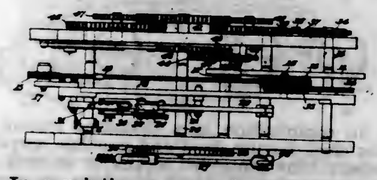
1. A sanitary cabinet for house pets, such as dogs, cats, or the like comprising, a housing, a platform movable therein, means for moving the platform, a cover for said platform, the dimensions of the cover and platform being such that the pet will, when in the cabinet, rest thereon and mechanism for automatically moving said cover to present a new surface on the platform, said mechanism being actuated by the movement of the platform moving means.

2,039,784
SHEET FEED RETARDING MECHANISM FOR PRINTING PRESSES
William K. Eckhard, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application May 3, 1935, Serial No. 19,572
6 Claims. (Cl. 271—46)



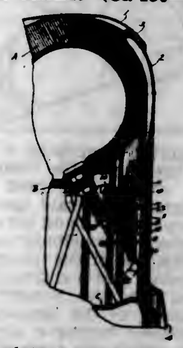
1. In a printing press, a sheet taking means, a sheet register and means for feeding sheets thereto at progressively lesser speeds comprising, a sheet feeder adapted to feed the sheets at a faster speed than the surface speed of the sheet taking means, a first sheet straightening and retarding mechanism traveling at a lesser surface speed than the sheet feeder and adapted to receive the sheets from the sheet feeder and retard their travel to approximately the surface speed of the sheet taking means, and a second sheet straightening and retarding mechanism traveling at a lesser surface speed than the first sheet straightening and retarding mechanism and adapted to receive the sheets from the first sheet straightening and retarding mechanism and to materially retard their travel on the way to the sheet register.

2,039,785
SHEET FEED RETARDING MECHANISM FOR PRINTING PRESSES
William K. Eckhard, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application June 28, 1935, Serial No. 28,815
4 Claims. (Cl. 271—46)



1. In a printing press, a front sheet register and means for feeding sheets thereto comprising, a sheet feeder and coacting first and second sheet straightening and retarding mechanisms, the first sheet straightening and retarding mechanism operating to receive the sheet from the feeder at one speed and gradually retard the sheet, and the second sheet straightening and retarding mechanism operating to receive the sheet from the first sheet straightening and retarding mechanism and still further retard the sheet on its way to the front sheet register.

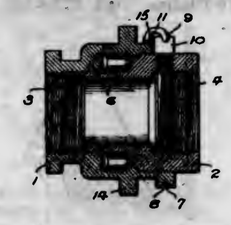
2,039,786
SPARE TIRE COVER
Arthur P. Ferguson, Detroit, Mich., assignor to Lyon Cover Company, Detroit, Mich., a corporation of Michigan
Application November 16, 1933, Serial No. 698,259
15 Claims. (Cl. 150—54)



1. In a side plate formed to cover substantially the entire outer side of a spare wheel and having an opening arranged so that it may be located substantially in front of the spare tire valve to render the same accessible from the front side of the plate without necessitating removal of the plate, a closure for said opening, and resilient means supporting said closure from the plate selectively in open and closed positions.

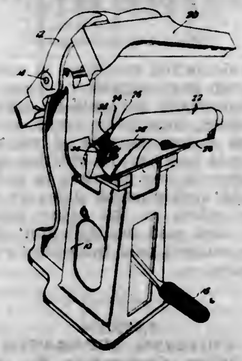
2,039,787
COUPLING FOR HOSES, PIPES, AND THE LIKE
Niels Otto Fogelström, Kastrup, Denmark
Application August 20, 1935, Serial No. 36,949
In Denmark May 17, 1934
1 Claim. (Cl. 285—177)
A coupling comprising male and female members, means for locking said members together,

comprising a pair of parallel spaced flanges on said female member near one end thereof, said female member having a cut-out portion at said end extending through said flanges, a resilient split ring rotatably disposed between said flanges, said ring having end portions bent upwardly and around one of said flanges, means for limiting the movement of said ring, comprising stops, the end portions of said ring selectively engaging with one or the other of said stops, a locking block removably secured to said male member at the periphery thereof and having a peripheral groove, said



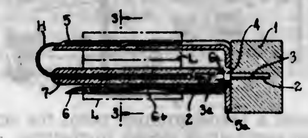
block slidably fitting into said cut-out portion, said groove registering with said ring so that upon rotary movement of said ring said male and female members are locked together, said female member having an annular recess therein, a pressure responsive gasket disposed in said recess, said male member having an end portion engaging with said gasket and a tubular extension of reduced cross section projecting into said female member beyond said gasket.

2,039,788
GARMENT PRESSING MACHINE
Vincent Freda, Brookline, John Staffier, Medford, and Louis Sunderland, Brookline, Mass., assignors to Barron, Andersen Company, Boston, Mass., a corporation of Massachusetts
Application March 25, 1936, Serial No. 70,874
1 Claim. (Cl. 223—58)



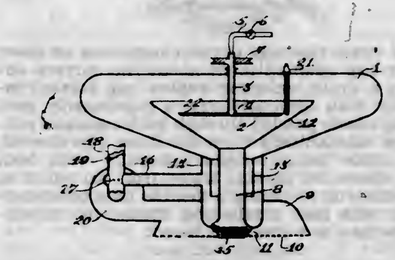
In a machine for pressing raglan sleeves, a pressing buck having a substantially rectilinear sleeve portion and a rounded shoulder portion extending downwardly from one end of said sleeve portion, said portions being shaped to conform to the outside or top sleeve and shoulder portions respectively, of the sleeve and symmetrical with respect to a vertical plane passing longitudinally through the center of the buck, whereby either right or left sleeves may be pressed on the same buck, and a pressing head having a substantially rectilinear sleeve portion and a rounded shoulder portion extending downwardly from one end of said sleeve portion, said last mentioned portions being shaped complementary to the corresponding portions of the pressing buck, whereby the raglan sleeve may be pressed along substantially the entire longitudinal outside seam and on each side thereof.

2,039,789
HAIR CURLING DEVICE AND METHOD OF CURLING THE HAIR
Samuel Freeman, New York, N. Y., assignor to William Finkelstein, New York, N. Y.
Application October 19, 1935, Serial No. 45,754
7 Claims. (Cl. 132—33)



3. In combination, a hair pin having a pair of shanks and a holder having two members shaped to hold said hair pin with its shanks separated from each other, said holder being longitudinally separable from said hair pin, one of the members of the holder being turnable relative to the hair pin and relative to the other member.

2,039,790
METHOD AND APPARATUS FOR BURNING OIL
Charles A. French, Riverside, Ill.
Application October 14, 1929, Serial No. 399,685
6 Claims. (Cl. 158—53)

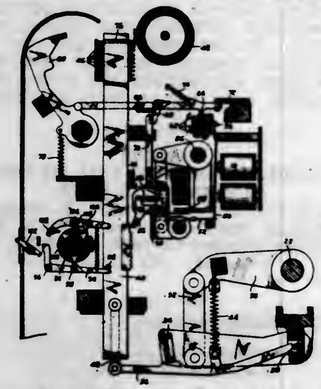


5. A method of burning liquid hydro-carbons which comprises partially burning the fuel to initiate vaporization thereof, mixing the products of the partial combustion and the fuel so vaporized with air and completely burning said fuel and thereafter vaporizing the liquid fuel by suspending it in a portion of the hot products of complete combustion.

2,039,791
PRINTING MECHANISM
Frank J. Furman, Vestal, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application June 27, 1931, Serial No. 547,197. Divided and this application May 8, 1934, Serial No. 724,474
6 Claims. (Cl. 101—93)

1. In a printing mechanism, a plurality of type carriers, printing means therefor, means controlled by the movement of a carrier for controlling printing from an adjacent carrier and means

controlled by movement of said first named car-



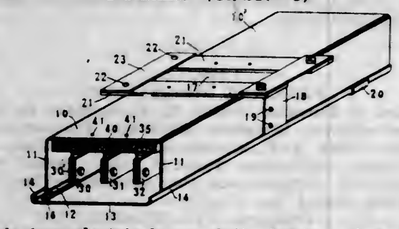
rier beyond a predetermined point for rendering said print controlling means ineffective.

2,039,792
DRAIN CLEANING DEVICE
Joseph W. Harder, Sioux City, Iowa, assignor of two-fifths to Philip H. Marsh, Sioux City, Iowa
Application June 11, 1934, Serial No. 729,953
2 Claims. (Cl. 4—257)



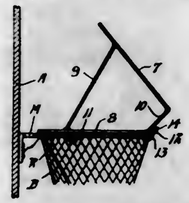
1. A drain cleaning device comprising an outer rubber cup adapted to fit about the surface adjacent a drain, an inner rubber cup formed integrally with the outer cup, a downwardly projecting nozzle passing through both cups and projecting substantially from the inner cup thereof, said nozzle being formed integrally with both cups, means for passing water from an outlet to the inner cup including a flexible tube communicating with said nozzle, and means for attaching the tube to a standard faucet.

2,039,793
ELECTRICAL DISTRIBUTION SYSTEM
Frank Harvey, Covington, Ky., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a corporation of Connecticut
Application February 25, 1933, Serial No. 658,487
4 Claims. (Cl. 247—3)



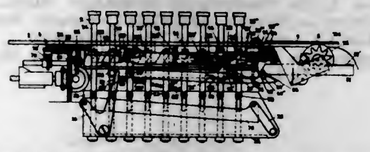
4. An electrical conduit having inverted trough-shaped members for containing the bus bars, cross bars secured to the tops of the trough-shaped members near their ends and having their ends extending beyond the edges of the trough-shaped members, tie pieces connecting the outer ends of adjacent cross bars alongside of the trough-shaped members and a splice piece connecting the adjacent ends of adjacent trough-shaped members between adjacent cross bars.

2,039,794
BASKETBALL PRACTICE RING
Edward S. Hayden, St. James, Minn.
Application December 9, 1935, Serial No. 53,620
10 Claims. (Cl. 273—1.5)



1. In combination with a basketball basket supporting ring, an auxiliary ring and means supporting said auxiliary ring in general above said supporting ring in a plane disposed at an acute angle from the plane of said supporting ring.

2,039,795
CALCULATING MACHINE
Karl Otto Reinhold Henselmann, Glashutte, Germany
Application January 31, 1933, Serial No. 654,409
In Germany April 28, 1931
6 Claims. (Cl. 235—79)

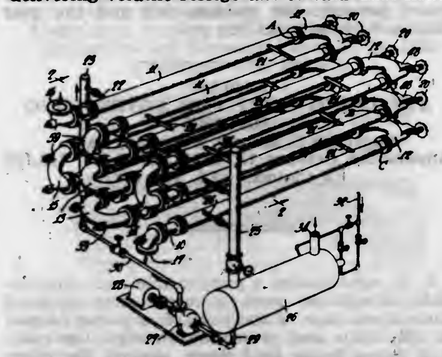


1. In a calculating machine, in combination, a keyboard with keys capable of being set, setting means differentially actuable by said keys, multiplicand slides, multiplier racks and a locking and shifting means capable of being set in two positions; said locking and shifting means being adapted, when in one position, to cause entrainment of said multiplicand slides by said setting means and when in the other position being adapted to lock said multiplicand slides and to operatively connect said multiplier racks to said setting means.

2,039,796
CHILLING APPARATUS
Nicolai H. Hiller, Carbondale, Pa., assignor, by mesne assignments, to Worthington Pump and Machinery Corporation, Harrison, N. J., a corporation of Virginia
Application October 31, 1933, Serial No. 695,988
14 Claims. (Cl. 62—126)

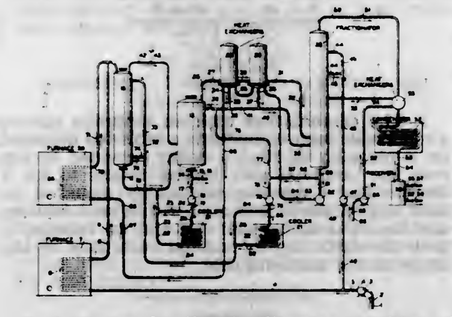
1. A liquid chilling apparatus including a plurality of vertically spaced substantially horizontally extending pipes connected in series for conducting the liquid to be treated, a jacket encircling each of said pipes, an inlet header connected to certain of said jackets, a vertical return header connected to certain of said jackets, a receiver

connected to the outlet end of said return header below the lowermost jacket, and means for delivering volatile refrigerant to said inlet head-



er, said means being controlled by the level of the refrigerant in said receiver.

2,039,797
HYDROCARBON OIL CONVERSION
Lyman C. Huff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
Application January 14, 1933, Serial No. 651,741
6 Claims. (Cl. 196—48)



1. A process for the simultaneous cracking of relatively light and heavy charging oils which comprises maintaining hydrocarbon oil under cracking conditions of temperature and pressure in a reaction zone, removing vapors and unvaporized oil as a mixture from said zone, lowering the pressure on said mixture and separating the same in a separating zone into vapors and residue, passing such separated vapors to a fractionating zone and fractionating the same therein in direct contact with the heavier charging oil thereby commingling the latter with the reflux condensate formed by the fractionation, separating the commingled charging oil and reflux during the fractionation into relatively light and heavy liquid fractions, passing such heavy liquid fraction through a heating zone maintained at cracking temperature and thence discharging the same into the reaction zone, at least a portion of said heavy liquid fraction supplied to said heating zone being passed in indirect heat exchange with the vapors being supplied from said separating zone to the fractionating zone and resultant condensate being introduced to the separating zone, combining said light liquid fraction with the lighter charging oil, passing the resultant mixture through a second heating zone maintained at higher cracking temperature than the first-mentioned heating zone and thence introducing the same to the reaction zone, and finally condensing the vapors uncondensed in the fractionating zone.

2,039,798
TREATMENT OF HYDROCARBON OILS
Vladimir Ipatieff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application February 11, 1933, Serial No. 656,371
1 Claim. (Cl. 260—168)

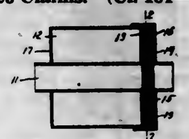
In the alkylation of aromatic hydrocarbons by reaction thereof with olefin gases in the presence of sulphuric acid as a catalyst and wherein there is produced a hydrocarbon liquid containing dissolved sulphuric acid esters, the method of removing such dissolved esters which comprises treating said hydrocarbon liquid with phosphoric acid.

2,039,799
TREATMENT OF HYDROCARBONS
Vladimir Ipatieff, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 4, 1933, Serial No. 700,878
4 Claims. (Cl. 260—156)

1. In the synthesis of liquid hydrocarbons by polymerization of olefin gases in the presence of sulphuric acid as a polymerizing agent and wherein there are formed sulphuric acid esters which are soluble in the synthesized liquid, the method of removing such dissolved sulphuric acid esters from the synthesized hydrocarbon liquid which comprises treating the latter with phosphoric acid.

4. In the synthesis of liquid hydrocarbons by polymerization of olefin gases in the presence of sulphuric acid as a polymerizing agent and wherein there are formed sulphuric acid esters which are soluble in the synthesized liquid, the method which comprises converting such dissolved sulphuric acid esters into phosphoric acid esters by treating the synthesized hydrocarbon liquid with phosphoric acid, separating the hydrocarbon liquid from the resultant phosphoric acid sludge containing the phosphoric acid esters, hydrolyzing the latter to form phosphoric acid and alcohol, and recycling the thus regenerated phosphoric acid to the process for treatment of additional quantities of the synthesized hydrocarbon liquid.

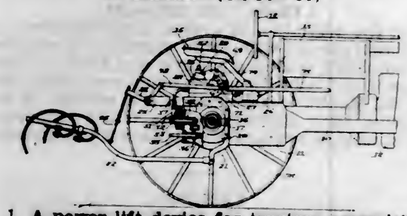
2,039,800
SILENCER
William A. Jack, 3d, Madison, Wis., assignor to C. F. Burgess Laboratories, Inc., Madison, Wis., a corporation of Delaware
Application July 19, 1933, Serial No. 681,093
23 Claims. (Cl. 181—42)



1. In combination with a duct, a silencer comprising a shell having flanges attached thereto surrounding at least a portion of said duct and enclosing an annular chamber, an annular disk spaced a uniform distance from and adjacent interiorly of one of said flanges and forming an

end wall of said chamber, the space between said flange and said disk opening into said duct, said annular disk having one or more acoustic-resistance openings therein.

2,039,801
HYDRAULIC POWER LIFT
Edward A. Johnston, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application May 22, 1935, Serial No. 22,888
20 Claims. (Cl. 97—50)

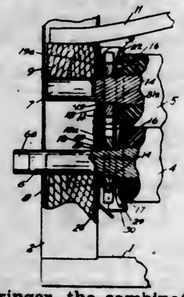


1. A power lift device for tractors comprising, in combination with a tractor and an implement connected thereto, a transverse rock-shaft mounted on the tractor, lifting connections between the rock-shaft and the implement, a lifting shaft mounted on the tractor spaced longitudinally from the rock-shaft, a lifting lever on the rock-shaft, a lifting crank on the lifting shaft, a lifting member connecting said crank and said lever, a casing into which the lifting shaft extends, a vane secured to said shaft within the casing, and means to apply pressure to either side of the vane whereby the lifting shaft may be rotated in opposite angular directions.

2,039,802
QUININE COMPOUND AND PROCESS OF MAKING THE SAME
Hans Kaufmann, Munster, Germany
No Drawing. Application September 5, 1934, Serial No. 742,763. In Germany February 3, 1934
3 Claims. (Cl. 260—26)

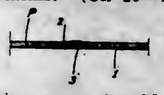
2. A di-ethyl acetyl quinine ester.

2,039,803
WRINGER
Walter L. Kauffman, 2d, Erie, Pa., assignor to Lovell Manufacturing Company, Erie, Pa., a corporation of Pennsylvania
Application January 10, 1933, Serial No. 650,956
10 Claims. (Cl. 68—32)



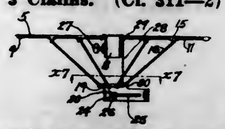
1. In a wringer, the combination of a frame; wringer rolls mounted in the frame, said rolls comprising shafts, one of which has a constant driving connection; means exerting yielding squeezing pressure on the rolls; gears on the shafts between the rolls and the frame; and a guard between the yielding roll and the gear tiltable with said yielding roll.

2,039,804
ATTACHING STRIP FOR ADVERTISING MATTER
Laurence E. Klump, Stockton, Calif.
Application October 13, 1934, Serial No. 748,159
3 Claims. (Cl. 40—129)



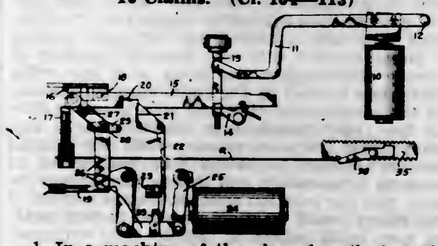
3. In combination, a puncturable and compressible advertising card, a metal strip disposed against one face of the placard, a prong formed on the strip and projecting through the card, said prong being bent down against the other face of the placard, and a burr on the end of the prong penetrating the surface of said other face.

2,039,805
BEACH UMBRELLA TABLE
Robert J. Knight, Inglewood, Calif.
Application April 17, 1934, Serial No. 720,969
3 Claims. (Cl. 311—2)



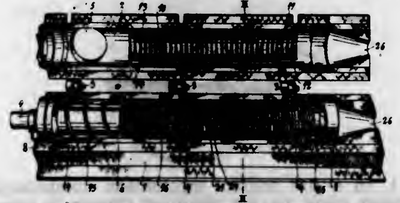
1. The combination with an umbrella having a collapsible table comprising a table top mounted on a plurality of ribs; a collar provided to slip over the umbrella pole having means to fix it thereto and a housing adjustably mounted on said pole; a sleeve mounted within said housing and means to adjust said sleeve in the housing to keep the table top in position regardless of the angle of the umbrella pole.

2,039,806
PUNCHING MACHINE
Ulrich Kölm, Berlin, Germany, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application September 15, 1933, Serial No. 689,509
In Germany April 21, 1933
10 Claims. (Cl. 164—113)



1. In a machine of the class described, a plurality of punches for successively perforating a record, means including electrical devices for successively selecting said punches for operation and means controlled by said selecting means for operating each selected punch simultaneously with the next succeeding selection.

2,039,807
SEPARATION OF THE INDIVIDUAL FIBERS IN FIBROUS MATERIAL
Olaf Kristoffersen, Oslo, Norway
Application January 21, 1935, Serial No. 2,738
In Sweden and Germany February 19, 1934
3 Claims. (Cl. 19—82)



1. Improvements in means for separating the individual fibers of fibrous substances, comprising a stationary drum and a cylinder revolving therein, projecting rib-like teeth on both members in planes at right angle to the cylinder axis, said teeth being arranged in such a way that they will mesh with each other, and one of these sets of ribs being arranged in such a way that they will exert a resilient pressure against the sides of the projecting ribs on the other set, when they are in mesh with each other, the said resilient ribs being fastened only at their front end and by means of undercut keys and keyways, while the rear portion is longitudinally slotted and is free to bear resiliently against the other set of ribs.

2,039,808
ADHESIVE PAPER AND METHOD OF MAKING THE SAME
Harold Kushel, Brooklyn, N. Y.
No Drawing. Application April 23, 1935, Serial No. 17,770
4 Claims. (Cl. 91—68)

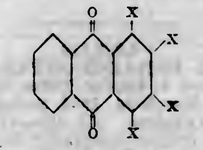
2. Kraft paper having one surface treated with a water soluble aniline dye comprising a sizing, the other surface being free of said dye, said surface being calendared to partially close the pores of the dyed surface, and a coating of animal glue for said surface.

2,039,809
PYRIDINO VAT DYESTUFFS, AND PROCESS OF PREPARING THEM
Max Albert Kunz, Mannheim, and Karl Koeberle and Gerd Kochendoerfer, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application August 11, 1932, Serial No. 628,442. In Germany September 5, 1931
5 Claims. (Cl. 260—40)

4. Compounds corresponding to the general formula

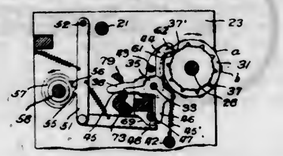
A—NH.CO—B

wherein B is an isocyclic ring one CH group of which may be replaced by N, wherein A is the radicle of a compound the carbon skeleton of which corresponds to the formula



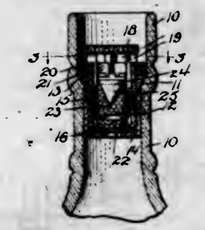
(wherein to two vicinal of the positions marked X a condensed pyridino ring is attached which latter is combined with no further condensed ring and wherein the other X's represent hydrogen), at least one of the radicles A and B being vattable.

2,039,810
TABULATING MACHINE
Eugene M. La Belteaux, Washington, D. C.
Original application November 12, 1935, Serial No. 49,408. Divided and this application March 2, 1936, Serial No. 66,585
8 Claims. (Cl. 235—144)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



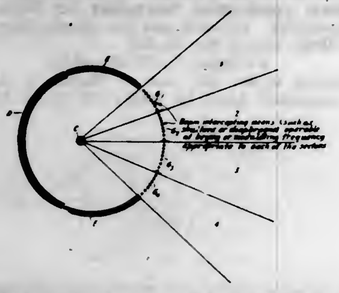
1. In an accumulator mechanism for machines of the character described, in combination, a plurality of numeral wheels, a continuously-rotating shaft upon which said wheels are frictionally mounted for rotation in one direction, means for resetting said wheels including two anchors for each wheel and capable of independent movement, one of which is a transfer anchor, the other of which is arranged to cooperate with a wheel to normally prevent its rotation with the shaft, means to move said last named anchor to release a wheel and simultaneously lock the transfer anchor in normal position in the path of movement of the wheel, to arrest the movement of said wheel at a particular point in the reset cycle.

2,039,811
NONREFILLABLE BOTTLE
John Lalli, Newark, N. J.
Application June 7, 1934, Serial No. 729,407
2 Claims. (Cl. 215—22)



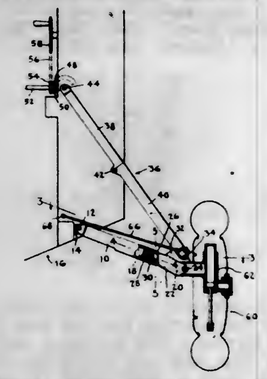
1. A non-refillable device for bottles, comprising a cage for insertion into the neck of a bottle, said cage having a bore provided with inwardly extending ribs, said ribs projecting beyond the top of the cage, a baffle plate on the ends of the ribs, a valve seat at the bottom of the cage, a valve having a rounded bottom face for seating on the valve seat, a block fitting in the bore and adjacent the valve and having a recess in the top end, a top piece of generally conical shape fitting loosely in the recess and having projections on its outer face for engagement with the bottom face of the baffle plate, the combined lengths of the valve, the block and the top piece being shorter than the distance from the baffle plate to the valve seat whereby the three enclosed pieces may each independently tilt when the bottle is tilted.

2,039,812
SIGNALING SYSTEM
August Leib and Hans Scharlau, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application November 18, 1930, Serial No. 496,390
In Germany December 3, 1929
6 Claims. (Cl. 250—11)



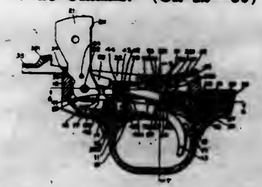
1. A beacon system comprising means for continuously radiating high frequency energy, a reflector associated therewith and adapted to concentrate said radiations in a beam directed in a predetermined direction, means for separating said beam of radiations into a plurality of smaller beams, and means for modulating each of said last named beams at a different characteristic signal frequency.

2,039,813
RETRACTABLE LANDING GEAR
Grover Loening, Mill Neck, N. Y., assignor to Grover Loening Aircraft Company, Inc., Garden City, N. Y., a corporation of New York
Application August 5, 1933, Serial No. 683,775
3 Claims. (Cl. 244—2)



1. A retractable landing gear for aircraft comprising a radius arm; a wheel unit pivotally connected to the radius arm; means for swinging the radius arm to raise and lower the wheel unit; and means to prevent pivotal movement of the wheel unit with respect to the radius arm when lowered into landing position including abutments for holding the wheel unit against movement by forces acting within a given angular range from a vertical plane, and a cable for preventing pivotal movement of the wheel unit by side thrust against the bottom of the wheel and beyond said angular range.

2,039,814
FIREARM
Crawford C. Loomis, Ilion, N. Y., assignor to Remington Arms Company, Inc., a corporation of Delaware
Application January 28, 1933, Serial No. 653,968
13 Claims. (Cl. 42—69)



1. In a fire control mechanism comprising a trigger plate having mounted therein a trigger, a pivoted firing hammer, and an action bar lock; in combination, means for controlling said action bar lock according to the position of said hammer comprising a member separate from said hammer and mounted for rectilinear movement in said trigger plate and adapted to engage said action bar lock, and operating means for said member associated with said hammer.

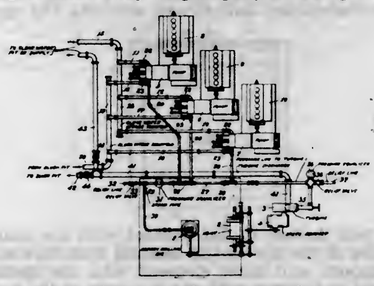
2,039,815
ROTARY PUMP
James A. Lupfer, Tulsa, Okla.
Application June 4, 1932, Serial No. 615,347
9 Claims. (Cl. 103—96)



1. In a rotary pump, a casing having an inlet, an outlet and a turbulence chamber therein, said casing having an outlet passage leading tangentially from the turbulence chamber to said outlet, a rotary impeller in said casing including a disc-like body, radial abutment ribs on the sides of said body near its periphery and movable in said turbulence chamber, said turbulence chamber encompassing the sides and radial outer ends of said ribs, suction rings in said casing forming a suction chamber at each side of said body, said rings having circumferentially extending inclined ports therein opening into the turbulence chamber in a substantially radial direction at the inner ends of said abutment ribs.

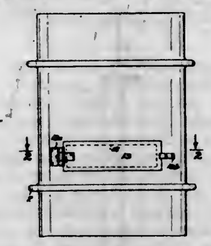
2,039,816
WELL DRILLING APPARATUS
James A. Lupfer, Tulsa, Okla.
Application March 16, 1934, Serial No. 715,880
5 Claims. (Cl. 255—19)

1. In a well drilling apparatus, the combination with a drilling rig, of a direct acting pump for pumping slush to said rig, a clear water supply pipe connected to the suction of said pump, a slush standpipe connected to the discharge of the pump, valves in said pipes whereby either clear water or slush may be pumped, elevating means



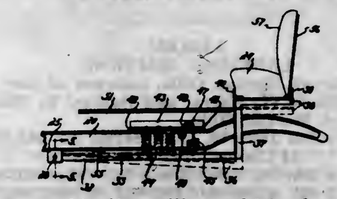
for raising said rig, a prime mover for operating said elevating rig, and means whereby said prime mover may be operated by fluid pumped by said pump.

2,039,817
BARREL
Bruce S. MacMillan, East Windsor, Ontario, Canada
Application March 1, 1934, Serial No. 713,500
10 Claims. (Cl. 62—91.5)



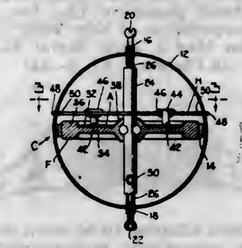
8. A barrel having walls therein by which the interior is divided into a main storage compartment, a refrigerating compartment, and a draw-off compartment, the main storage and draw-off compartments being separated by the refrigerating compartment, means for filling the storage compartment, a passage extending through the refrigerating compartment connecting the storage with the draw-off compartments, and a vertically adjustable means in the refrigerating compartment for supporting a refrigerant.

2,039,818
VEHICLE SEAT MOUNTING
William J. McNabb, Detroit, Mich.
Application January 2, 1934, Serial No. 704,878
4 Claims. (Cl. 155—9)



4. In combination with a vehicle chassis having oppositely disposed side rails; a seat supporting structure comprising a pair of spaced supporting bars; means for pivotally connecting one end of each of said bars to the chassis side rails to position said bars below the same, said bars being angularly-turned inwardly toward each other, intermediate their ends; and thence extending rearwardly in parallel spaced relation, the parallel spaced portions of said bars being, adjacent their ends, upwardly offset and angularly-turned to provide an elevated horizontal rear portion; transversely extending connecting bars at opposite ends of said elevated horizontal rear portions for connecting the same and providing a seat supporting frame; a plurality of springs connected to a stationary part of said chassis and depending therefrom and connected at their lower ends to said supporting bars for resisting downward rocking movement of said supporting bars; auxiliary springs for resisting downward movement of said supporting bars; and rockable means for moving said auxiliary springs into operative and inoperative relation to said supporting bars.

2,039,819
SPARKING GYROSCOPE
Louis Marx, New York, N. Y.
Application January 24, 1935, Serial No. 3,234
8 Claims. (Cl. 46—50)

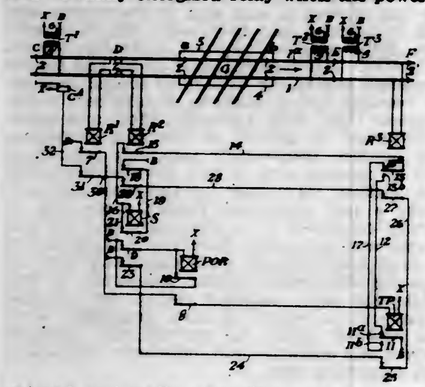


1. The combination with a gyroscope comprising a cage and a fly-wheel rotatable in said cage, of sparking mechanism including a friction surface on said fly-wheel, and an elongated holder resting loosely in said cage and carrying one or more flints adapted to rest gravitationally on the friction surface, the ends of said holder contacting with said cage and being so constructed as to locate the holder in desired position.

2,039,820
RAILWAY TRAFFIC CONTROLLING APPARATUS
Ronald A. McCann, Swissvale, and Henry S. Young, Wilkinsburg, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application November 13, 1934, Serial No. 752,842
9 Claims. (Cl. 246—39)

1. In combination, a stretch of railway track divided into a plurality of successive sections, a dead section formed in an intermediate one of said sections, a track circuit for each track section including a source of power and a track relay, a normally energized relay controlled by all of said track relays in such manner that said normally energized relay will become deenergized whenever a train enters said intermediate section and will subsequently remain deenerigzed until the train passes completely into one or the other of the adjacent sections, auxiliary means effective in the event that all of said relays become deenergized due to a power failure for re-energizing

said normally energized relay when the power is



restored, and traffic controlling means controlled by said normally energized relay.

2,039,821
GARMENT
Elvira C. McKeefrey, Brooklyn, N. Y., assignor to The Model Brassiere Co., Inc., Brooklyn, N. Y., a corporation of New York
Application May 5, 1934, Serial No. 724,028
10 Claims. (Cl. 2—42)



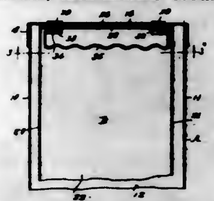
1. A garment adapted to be worn directly next to the body, comprising bust-supporting members, each member constituted of relatively soft fabric material shaped to bust formation, and a plurality of stays arranged within each member, confined beneath the deepest portion of each member, and extending in a direction substantially nearer to the vertical than to the horizontal.

2,039,822
HARD COMPOSITION OF MATTER
Philip M. McKenna, Unity Township, Westmoreland County, Pa., assignor to Vanadium-Alloys Steel Company, Latrobe, Pa., a corporation of Pennsylvania
No Drawing. Application May 2, 1933, Serial No. 668,984
3 Claims. (Cl. 75—136)

1. A hard composition for the purposes described wherein the particles are in welded relation, consisting of tantalum carbide forming from 72% to 90% of the mass by weight with finely divided tungsten metal dispersed therethrough and forming from 28% to 10% of the mass by weight, the particles of the tungsten metal being of a size between one to one hundred millimicrons.

2,039,823
COMBINATION STORAGE DEVICE
Elliot A. Miller, New York, N. Y.
Application May 18, 1934, Serial No. 726,249
3 Claims. (Cl. 312—144)

1. In a device for the storage of articles, the combination of an outer housing structure including a top and vertical walls with a doorway at one side thereof, and an inner storage element having upper and lower end walls, side walls and an opening at one side thereof for the introduction of articles thereto and the removal of the same therefrom, and means securing the upper



end wall thereof in flat contact with the undersurface of the top of the housing structure so as to support said inner element with the opening thereof in registry with the doorway of the housing structure.

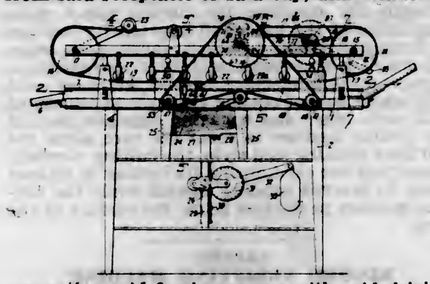
2,039,824
SHEET METAL TUBING
Erving B. Morgan and Matthys Nuberg, Grand Rapids, Mich., assignors to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application March 29, 1933, Serial No. 663,272
4 Claims. (Cl. 29—180)



1. In a stock of the character described, flat strip sheet metal formed into a tubular member with the longitudinal edges of the flat strip having inwardly turned flanges to form a finished reinforced construction the tubular member being open between the flanges, a strip reinforcing plate inserted within the tube substantially transversely of the opening between the flanges, and tensionally embraced within said tube, and a laterally disposed rod engaging said longitudinal edges and the reinforcing plate.

2,039,825
LABELING MACHINE
John Morral, Marion, Ohio, assignor of one-half to William W. Morral and Samuel E. Morral, both of Morral, Ohio
Application June 16, 1931, Serial No. 543,401
41 Claims. (Cl. 216—58)

1. In a labeling machine, a runway, means for moving a can along said runway, driving mechanism for said means, a paste applying device comprising a paste cup arranged in the path of the can on said runway, a paste receptacle, a tube connecting said paste receptacle with said cup, means operating in said tube for forcing paste from said receptacle to said cup, and means for



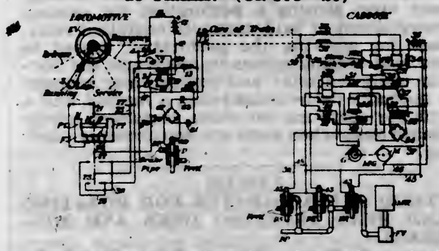
connecting said forcing means with said driving mechanism.

2,039,826
VENTILATING DEVICE
Benjamin A. Morton, New York, N. Y.
Original application May 2, 1930, Serial No. 449,170. Divided and this application February 25, 1933, Serial No. 658,635
1 Claim. (Cl. 98—88)



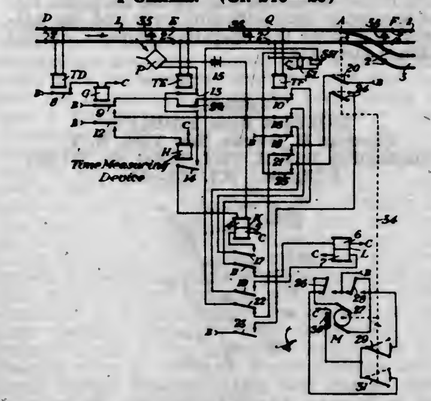
A window-ventilation device, comprising a casing arranged between the lintel and the wall, the outer side thereof having an air inlet, an air propelling member opposite said opening, a heat-transferring member in alignment with said propelling member and extending longitudinally of the casing, a member in the casing for increasing the humidity of the air forced over said heating member, said humidifying member having an air intake and an air discharge therein, and means in said casing in communication with said humidifier on one side and with the room on the other for positively drawing air from said humidifier and expelling it into the room.

2,039,827
ELECTRIC CONTROL SYSTEM
Frank H. Nicholson, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application November 14, 1931, Serial No. 575,096
15 Claims. (Cl. 303—20)



1. A brake control system for railway trains including, a single metallic circuit extending from the front end to the rear end of a train with a source of electric current of one character at the front end and a source of electric current of a different character at the rear end, a manually operated means at the front end to govern the supply of current from the source at the front end, a brake controlling mechanism at the rear end connected to the circuit responsive only to current of the character supplied by the source at the front end to control the brakes of the train and to govern the supply of current from the source at the rear end of the train, and an indicating device located at the manually operated means connected to the circuit and responsive only to current of the character supplied by the source at the rear end of the train.

2,039,828
RAILWAY SWITCH CONTROLLING APPARATUS
Frank H. Nicholson, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 27, 1932, Serial No. 613,955
4 Claims. (Cl. 246—29)

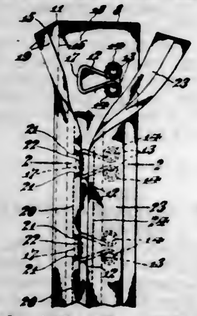


2. In combination, a stretch of railway track provided with a switch and with a track circuit located in the rear of the switch, a photocell located within the limits of said track circuit, a train carried source of light, a normally deenergized control relay, a time element device set into operation when a train enters said track circuit, a pick-up circuit for said control relay closed only when said cell is exposed to light from said source and said time element device has completed its operation, the time characteristic of said device and the location of said cell in the track circuit being such that the relay can not be energized unless the train is moving at less than a given speed, a stick circuit for said relay closed when the relay is energized and said track circuit is occupied, and means for reversing said switch when said control relay is energized.

2,039,829
FASTENER TAPE
James A. O'Brien, Rosemont, Pa., assignor to The De Long Hook and Eye Company, a corporation of Pennsylvania
Application December 17, 1932, Serial No. 647,739
7 Claims. (Cl. 2—265)

1. A fastener tape comprising a strip of fabric folded upon itself along a line extending longitudinally of the strip nearer to one edge than to the other to provide two overlying folds, a separate stiffening strip of shape-preserving fabric located between said folds, fastener elements on the outer face of the narrower of said folds and

secured to the narrower fold and said stiffening strip with the operative portions thereof extending toward and spaced from the free edge of the narrower fold, the edge of the wider of said folds



being folded about the edge of the narrower fold and secured to said stiffening strip and the narrower fold, over the operative portions of said fastener elements.

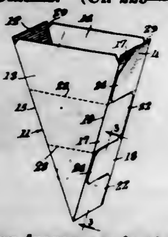
2,039,830

HOLDER FOR EDIBLES

Freeman H. Owens, New York, N. Y.

Application July 31, 1934, Serial No. 737,697

6 Claims. (Cl. 229—51)



1. A holder for frozen confection and the like, comprising a box in the form of a triangular prism open at the base end of such prism and having a line of weakness about the several sides of the same defining a removable tearing strip, said box having an additional line of weakness extending about the sides of the same at a distance from the first line of weakness and defining a second tearing strip, each of said tearing strips having a free finger tab for starting the tearing removal of the same, said tabs being interlaced in opposite directions.

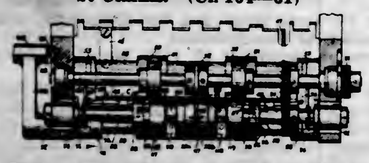
2,039,831

CARD FEED WITH SLITTER

Ralph E. Page, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Original application August 23, 1934, Serial No. 741,029. Divided and this application March 23, 1935, Serial No. 12,533

20 Claims. (Cl. 164—61)



1. In an accounting machine; mechanism for feeding control cards, each having spaced sections of control columns, through the machine to control accounting operations and a slitter operating on each control card in its passage through the machine for cutting out a strip lengthwise of the card and between its sections to form individual, detached, cards, each bearing one of said sections, said slitter comprising a narrow cutting member of the width of said strip and a pair of cutting elements in alinement with each other and engaging opposite sides of the cutting member to shear the card along the two lines defining said strip, the cutting elements supporting the card during its cutting in its own plane to prevent bending thereof while the cutting member penetrates below the surface of the card.

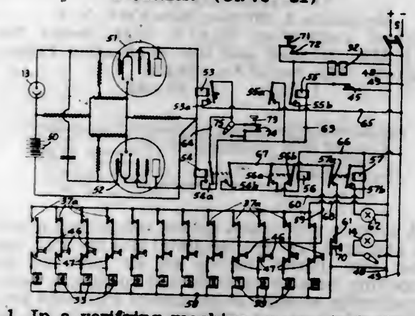
2,039,832

RECORD VERIFYING MACHINE

Ralph L. Palmer, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application September 13, 1933, Serial No. 689,275

8 Claims. (Cl. 73—51)



1. In a verifying machine, means including a light sensitive cell for sensing the index-point positions of a column of a record card, card advancing mechanism, a thermionic tube, direct-coupled to said cell to respond to the incidence of a predetermined amount of light on the cell, a second thermionic tube capacity-coupled to said cell to respond to a change in the amount of light incident upon the cell, verifying keys and means jointly controlled by said tubes and said keys for controlling the operation of said card advancing mechanism.

2. In a record verifying machine, a sensing station with means for sensing the presence of perforations in a record card column presented to said station, a pair of relays, one of said relays being normally energized and the other normally deenergized, means controlled by said sensing means upon sensing a perforation for causing deenergization of said normally energized relay, means for covering the perforation sensed to cause said sensing means to reenergize the normally energized relay and concurrently energize the normally deenergized relay, a magnet and a circuit for operating the same, completed jointly by said relays when both are concurrently energized.

2,039,833

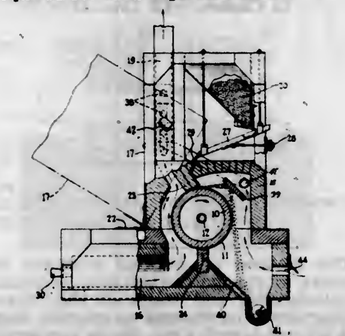
METHOD AND APPARATUS FOR ROASTING AND HEAT TREATING ORES AND MINERALS

Clarence Q. Payne, Shippan Point, Stamford, Conn.

Application August 22, 1935, Serial No. 37,278

10 Claims. (Cl. 75—7)

1. The method of explosion roasting of finely divided ores which contain volatilizable constituents, which consists in continuously heating a revolving member composed of highly refractory material to a temperature above the ignition point of said volatile ore constituents by directing a blast of burning gases against one side of said rotating member and feeding said ores upon the heated portion thereof, shielding said heated portion during roasting from the products of combustion of said gases and imparting the degree of heat required for said explosion effect.



2. Apparatus for roasting ores comprising an enclosed heat-generating structure, a roasting drum supported in said structure, said drum having a refractory surface, a removable framed superstructure enclosing said drum, said superstructure having a flue and feed hopper, means for revolving said drum, means for regulating the degree of heat applied to said drum, means for feeding the ore upon a portion of said drum surface, and means to shield said portion of the drum from the heat generating structure.

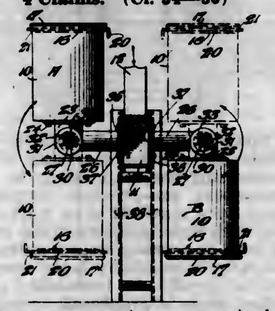
2,039,834

APPARATUS FOR TREATING WOOL OR OTHER MATERIAL

George E. Petersen, Bristol, Pa., assignor to William H. Grundy Company, Inc., Bristol, Pa., a corporation of Pennsylvania

Application November 20, 1934, Serial No. 753,616

4 Claims. (Cl. 34—30)



2. In a drying apparatus, a receptacle for receiving material, said receptacle having an opening in the bottom thereof, a conduit for supplying a drying medium, said conduit having a discharge outlet, a sleeve attached to said receptacle bottom having a port in register with said opening, means for mounting said sleeve on said conduit for rotary movement and with said port in the plane of said outlet, whereby in upright position of said receptacle said outlet and port are out of register and in inverted position of said receptacle said outlet and port are in register, and a perforated cover for said receptacle.

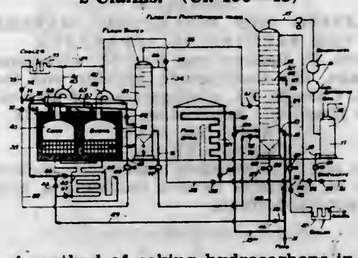
2,039,835

METHOD OF COKING HYDROCARBONS

Roy S. Petersen, San Antonio, Tex., and Charles W. Andrews, Chicago, Ill., assignors to Brassert-Tidewater Development Corporation, Chicago, Ill., a corporation of Delaware

Application December 18, 1933, Serial No. 702,846

2 Claims. (Cl. 196—48)



1. A method of coking hydrocarbons in fluent form which comprises passing said hydrocarbon charge to a flashing zone maintained at subatmospheric pressures, passing vapors formed directly to a fractionating zone in which said vapors are fractionally condensed by refluxing to form a condensate containing materials of high viscosity and high pour point, drawing off fractionated condensate from the fractionating zone, heating said condensate to a temperature in excess of 850° F. whereby the viscosity and pour point are reduced, returning said condensate to the flashing zone which flashing zone precedes the fractionating zone from which said high viscosity and high pour point condensate is withdrawn, withdrawing additional condensate of low pour point and low viscosity as a product of the operation at a point above the drawoff of the high viscosity, high pour point condensate, utilizing the heat of the condensate returned to the flashing zone to drive off simultaneously additional lighter fractions from said charge, thus reducing the charge to a pitchy material of approximately 1° to 3° A. P. I. gravity, discharging the pitchy material while hot into an externally heated coking chamber under approximately atmospheric pressure, distilling off volatiles in said chamber, separating said overhead volatile products into liquid and relatively clean vaporous fractions in an intermediate zone, fractionating said vaporous fractions in said first mentioned fractionating zone, passing liquid portions from the intermediate zone to the flash zone, and coking the pitchy material to a hard, dense coke.

2,039,836

WINDSHIELD FRAME

Albert T. Potter, Detroit, Mich., assignor to Ainsworth Manufacturing Company, a corporation of Michigan

Original application May 19, 1932, Serial No. 612,267. Divided and this application April 6, 1934, Serial No. 719,265

3 Claims. (Cl. 296—84)



1. In combination, a windshield frame or the like having a channel, defined by a base and side walls, and a separate ornamental strip having a

portion disposed along the base of the channel, a portion extending out of the channel along an inner side thereof, and a reversely turned portion extending along the outer side of the channel and frame and contacting with said outer side of the frame substantially at its free edge.

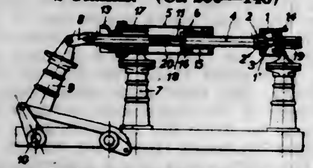
2,039,837
INSULATING AND DIELECTRIC MATERIAL FOR ELECTRICAL APPARATUS
Anderson W. Ralston and Carl W. Christensen, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application May 10, 1935, Serial No. 20,896
4 Claims. (Cl. 106—17)

1. An electric insulating material or dielectric for use in electrical devices including a ketone of the general formula

$$R-\overset{\overset{O}{\|}}{C}-R'$$

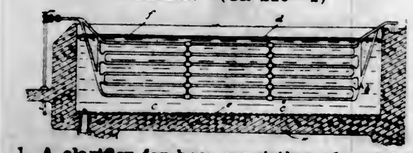
wherein R is a radical chosen from the group consisting of carbocyclic and heterocyclic radicals and R' is an alkyl radical containing at least eleven carbon atoms.

2,039,838
COMPRESSED AIR CIRCUIT BREAKER WITH MOVABLE PISTON
Louis Joseph Saudicoeur, Villeurbanne, France
Application February 25, 1935, Serial No. 8,090
In France March 9, 1934
2 Claims. (Cl. 200—148)



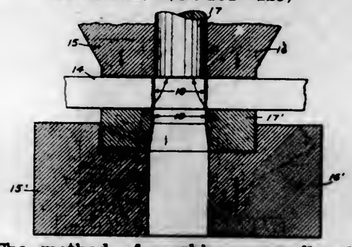
1. In an electric circuit-breaker, a fixed contact and a movable contact, a pump to produce on separation of said contacts compressed air for the extinction of the arc, said pump comprising a cylinder, in the interior of said cylinder a piston, a rod, a projecting member fixed on said rod and a spring, said piston being mounted loosely on said rod and said spring being disposed so as to maintain said piston applied against said projecting member, said rod being extended outside said cylinder where it is provided with said movable contact, and an abutting member fixed in the interior of said cylinder, said abutting member being disposed so as to arrest the displacement of said piston before the termination of the displacement of said rod carrying said movable contact.

2,039,839
BEER CLARIFIER
Rudolf Seibel, Dusseldorf-Oberkassel, Germany
Application August 31, 1933, Serial No. 687,630
In Germany October 31, 1932
4 Claims. (Cl. 210—1)



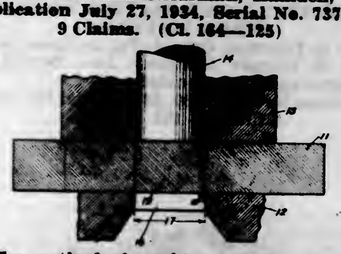
1. A clarifier for beer consisting of metal foils having a thickness of 0.005 mm. to 0.03 mm. and of sufficiently large ratio of surface to mass to float in the beer.

2,039,840
METHOD FOR CAUSING COLD FLOW IN SUBSTANCES
Charles H. Howland-Shearman, Hamden, Conn.
Application December 14, 1933, Serial No. 702,286
23 Claims. (Cl. 164—125)



1. The method of working normally elastic substances to change the physical position, mutual relationship and traits of the crystalline molecular structure thereof to produce cold flow in said substance which consists in applying pressure to the substance to cause a pressure transit through a predetermined area of the substance whereby said material is rendered plastic in said area and removing the portion of said substance defined by said area by continued application of said pressure, said pressure being applied at speed increasing in direct proportion to the decrease of resistance of said substance to yield.

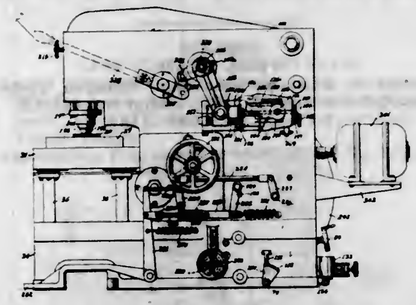
2,039,841
METHOD FOR WORKING SUBSTANCES
Charles H. Howland-Shearman, Hamden, Conn.
Application July 27, 1934, Serial No. 737,161
9 Claims. (Cl. 164—125)



1. The method of working material composed of non-cemented dissociate crystals which consists of subjecting the material to be preserved to a compressive pre-pressure throughout an area adjacent the material to be worked thereby mapping a work area, subjecting the material in said work area to a pre-pressure, increasing said last pressure by a relatively large force applied at low initial speed, and increasing said speed so that when same is graphically represented it will fall upon a parabolic curve proportionate to the curve of yield of said work portion while maintaining said first pre-pressure on the material to be preserved.

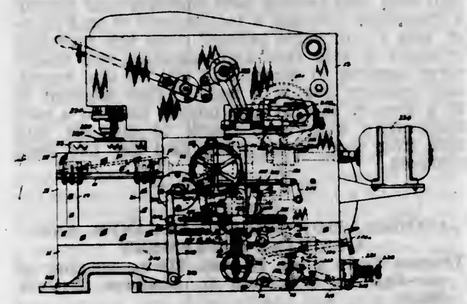
2,039,842
MACHINE TOOL
Charles H. Howland-Shearman, Hamden, Conn.
Application July 27, 1934, Serial No. 737,160
14 Claims. (Cl. 164—86)

1. In a machine tool in combination, a working tool, a fracture proofer cooperative therewith, a work table, means to pulsate said table, and means to actuate said tool whereby said tool may



perform a complete working stroke between complete pulsations of said table.

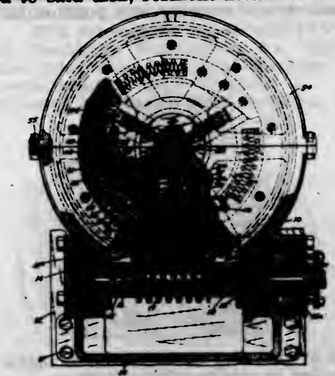
2,039,843
WORK SUPPORTING TABLE
Charles H. Howland-Shearman, Hamden, Conn.
Application July 27, 1934, Serial No. 737,157
20 Claims. (Cl. 164—86)



1. In combination working pressure applying means, a machine table having a work supporting face, means to pulsate said table perpendicularly to said face, to apply a predetermined pressure to a material supported on said table previous to the operation of said working pressure applying means, and means for holding said table in fixed position to permit said pressure applying means to perform work on said material.

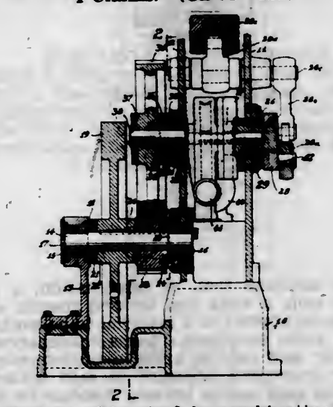
2,039,844
POWER TRANSMITTING MACHINERY
Charles H. Howland-Shearman, Hamden, Conn.
Application July 27, 1934, Serial No. 737,154
8 Claims. (Cl. 192—46)

1. In a power transmitting device, in combination, a casing, a shaft journalled in said casing, a driving wheel rotatably mounted on said shaft, a plurality of segmental drivers angularly spaced inside said wheel and attached thereto, said drivers having inclined inner surfaces, a plurality of secondary drivers disposed between said first drivers and slidable inside said wheel, springs disposed between said first and second drivers and urging said second drivers in a driving direction, a driven disk fastened to said shaft, a plurality of radial slots in said disk, plungers slidable in said slots and adapted to operatively engage said second drivers, whereby a drive may be transmitted to said disk, resilient means to urge said



plungers outward and means attached to said disk to limit the outward motion of said plungers.

2,039,845
SYNCHRONIZING FLYWHEEL AND GEAR DRIVES
Charles H. Howland-Shearman, Hamden, Conn.
Application July 27, 1934, Serial No. 737,162
4 Claims. (Cl. 74—421)

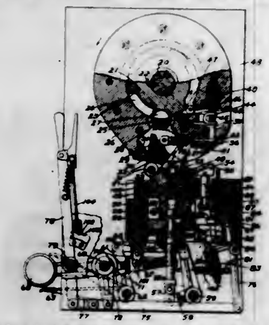


1. In a machine tool in combination a power shaft, a second shaft, a flywheel secured on said second shaft, gear means to transmit energy from said power shaft to said flywheel and from said flywheel to said power shaft, means to limit the axial motion of said power shaft when energy is being delivered to said flywheel, means to limit the axial motion of said second shaft when energy is being transmitted from said flywheel to said power shaft, a clutch having its driving member secured to said power shaft, a sleeve rotatably mounted on said power shaft and having secured thereon the driven member of said clutch, and a crank secured to said sleeve.

2,039,846
CLUTCH
Charles H. Howland-Shearman, Hamden, Conn.
Application July 27, 1934, Serial No. 737,155
12 Claims. (Cl. 192—29)

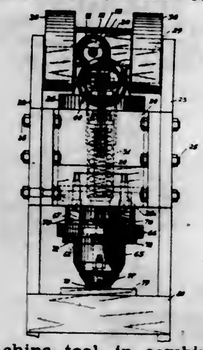
3. In a clutch, in combination, a clutching member, a rotative member adapted to be clutched by said first member, and an oscillator

geared to said rotative member and adapted to rotate said second member into position for en-



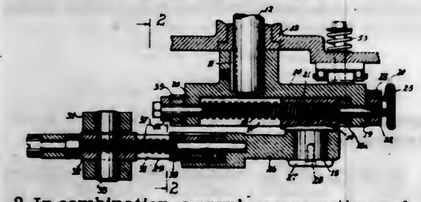
gagement by said first member, said oscillator being controlled by said clutching member.

2,039,847
WORK HEAD
Charles H. Howland-Shearman, Hamden, Conn.
Application July 27, 1934, Serial No. 737,156
11 Claims. (Cl. 164—86)



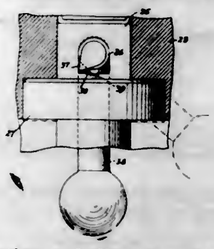
1. In a machine tool, in combination, a reciprocable ram, a work tool secured therein and adapted to be applied to a material to be worked, means to guide said ram, means concentrically operable by said ram to apply a predetermined resiliently increasing pressure to said material surrounding said tool to prevent fracture or distortion of said material during the application of said tool, and calibrated means to predetermine said pressure, the relative position of the work contact face of said pressure applying means and said tool normally remaining fixed during changes in said pre-determination.

2,039,848
ADJUSTABLE MICROMETER CRANK
Charles H. Howland-Shearman, Hamden, Conn.
Application July 27, 1934, Serial No. 737,158
9 Claims. (Cl. 74—600)



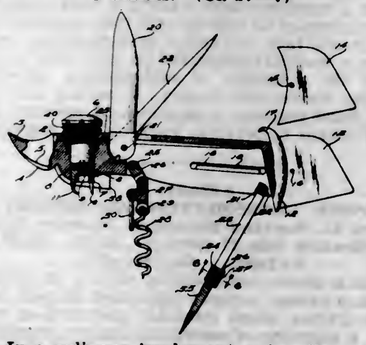
2. In combination, a crank, a connecting rod cooperative therewith, means to adjust the throw of said crank, and means operable by said first means to vary the effective length of said rod.

2,039,849
TOOL HEAD
Charles H. Howland-Shearman, Hamden, Conn.
Application July 27, 1934, Serial No. 737,159
1 Claim. (Cl. 164—118)



In combination, a hollow ram having an annular recess in one end thereof and a flat shoulder at the inner end of said recess, a tool holder including a disk having its periphery closely fitted in said recess and a flat face engaging said shoulder, a rigid shank on said disk projecting into said ram beyond said shoulder and having a transverse opening, a tool secured in said holder, and a removable tapered cross key normally retained in said ram and engaging said transverse opening to secure said disk in said recess, said opening having a wall surface adapted to fit a wrench, said wrench having thereon a cam cooperative with said shank to dislodge said disk from said recess when said key has been removed.

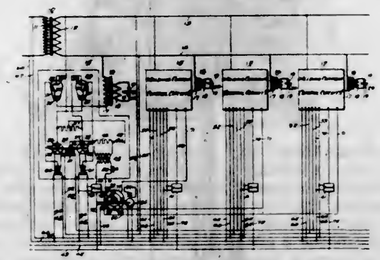
2,039,850
COMBINATION SHRIMP CLEANER AND CULINARY IMPLEMENT
Thomas Seely Silaj, Detroit, Mich., assignor of one-half to Xenophon G. Lombros, Detroit, Mich.
Application July 12, 1935, Serial No. 30,983
3 Claims. (Cl. 17—7)



1. In a culinary implement, a handle member provided with a point at one end, a member threaded through the handle member and provided with a circular end, a blade member secured to said circular end and having a pair of blades extending in spaced relation at one side of said circular end and a curved blade extending from the opposite side of the circular member diametrically opposite the space between said spaced blades, the threaded member being adjustable in

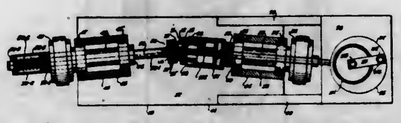
the handle to vary the position of the blade, and spring means yieldably holding the threaded member in position.

2,039,851
ELECTRIC POWER SYSTEM
Daniel Silverman, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 23, 1934, Serial No. 712,532
15 Claims. (Cl. 171—97)



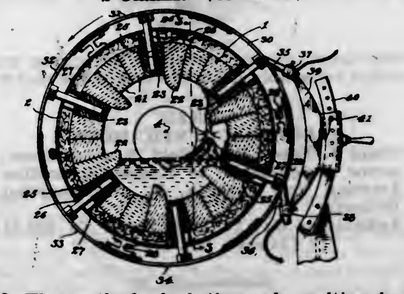
12. An electric system comprising, in combination, a source of alternating current, a plurality of load devices, circuit means connecting said load devices to said current source, vapor-electric means interposed in said circuit means for controlling the flow of current therethrough, space-discharge means connected to render said vapor-electric means conducting, timer means disposed to effect the fuctioning of said space discharge means to render said vapor-electric means conducting during a predetermined number of half cycles of the alternating current, a source of direct current, circuit means including a distributor for connecting said timer means to said load devices, said distributor comprising a switch having a segment individual to each load device, and driving means disposed to operate said switch to sequentially connect said timer means to said load devices, said timer means and switch being disposed to effect the connection of only one load device to said source of alternating current at any time.

2,039,852
LAPPING METHOD AND APPARATUS
Harold E. Snyder, Massillon, Ohio, assignor to Clarence I. McAllister, Massillon, Ohio
Application December 8, 1933, Serial No. 701,483
4 Claims. (Cl. 51—26)



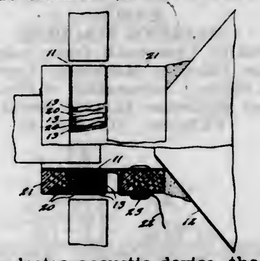
1. The method of lap finishing spherical zone seats on three members including a central disk member having opposite convex spherical zone seats thereon and two end members each having a concave spherical zone seat therein and each concave seat interfitting with one of the convex seats, which includes abutting the members together so that each concave seat fits against one of the convex seats, and simultaneously rotating the end members in the same direction, the axes of rotation of the end members being angled with respect to each other.

2,039,853
METHOD OF AND APPARATUS FOR MELTING GLASS BY ELECTRICITY
David Stenhouse, Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application October 3, 1933, Serial No. 692,047
2 Claims. (Cl. 13—6)



2. The method of continuously melting batch material in a body of molten glass in a moving tank, which consists in originally reducing a glass batch to a molten state, adding batch material to the molten glass, causing the molten glass to periodically become separated by movement of the tank, and establishing an electric arc between the separated portions.

2,039,854
ELECTROACOUSTIC DEVICE
Clifford E. Stevens, Glen Ridge, and William T. Taber, Bloomfield, N. J., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application May 27, 1929, Serial No. 366,254
10 Claims. (Cl. 179—115.5)

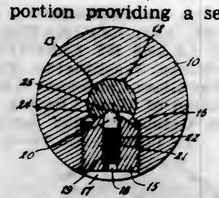


1. In an electro-acoustic device, the combination with a diaphragm, and a magnetic circuit containing a gap, of a voice coil secured to the diaphragm, located in the gap of the magnetic circuit, and consisting of a plurality of superimposed insulated turns of a thin wide conducting ribbon arranged with its long tranverse axis perpendicular to the flux across said gap.

2,039,855
CHUCK
Nathaniel B. Stone, Washington, D. C.
Application May 6, 1935, Serial No. 20,103
3 Claims. (Cl. 279—79)

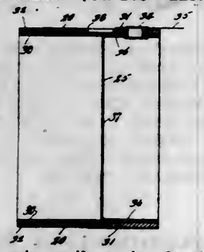
1. A tool holder of the character described comprising, in combination, a chuck having a cylindrical socket; a plug having a tapered end projecting into the socket; a spring pressed member in the plug; a tool shank fitted in the socket having a slot adapted to engage the tapered end of said plug and extending through the end of the shank; and said slot having a depression in

its lower end portion providing a seat for said



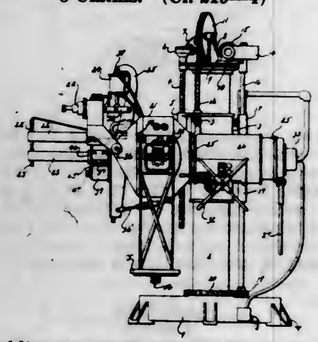
spring urged member, whereby the spring urged member releasably holds the tool in the socket.

2,039,856
ELECTROACOUSTIC DEVICE
William T. Taber, Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application May 27, 1929, Serial No. 366,341
12 Claims. (Cl. 179—115.5)



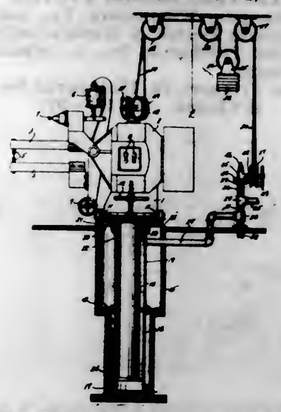
6. A tubular voice coil carrier, having a flexible centering disk extending across the interior thereof and spaced from either end thereof, said disk provided with a flange which constitutes the attaching means to the coil carrier.

2,039,857
WELDING MACHINE
Frank Vetorino, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application September 15, 1932, Serial No. 633,313
8 Claims. (Cl. 219—4)



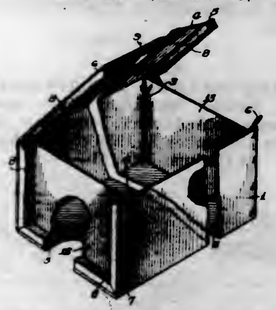
2. Welding apparatus comprising an upstanding pedestal, a frame mounted on said pedestal for vertical movement and for rotation, a freely rotatable base mounted on said pedestal, means for moving said frame mounted on said base, there being one power driven connection for moving said frame vertically and a second power driven connection for rotating said frame and base, a pair of welding electrodes carried by said frame, and means for supplying welding current to said electrodes.

2,039,858
SPOT WELDING APPARATUS
Frank Vetorino, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application September 19, 1932, Serial No. 633,713
5 Claims. (Cl. 219—4)



5. Spot welding apparatus comprising a frame, welding electrodes carried on one side of said frame, control members for said electrodes on said frame, a vertically disposed cylinder, a piston reciprocable therein, said piston being rotatable about its longitudinal axis, said frame being mounted on the upper end of said piston and rotatable therewith to position said electrodes at any point radially about said piston, and fluid supply means for operating said piston in said cylinder.

2,039,859
CONTAINER
James R. Watkins, Niles Center, Ill., assignor to Brunt & Company, Chicago, Ill., a corporation of Delaware
Application February 2, 1935, Serial No. 4,610
6 Claims. (Cl. 229—6)



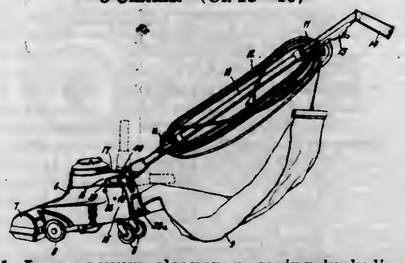
1. A container having fiber board walls and including a hinged cover member, the walls forming said cover, the sides and bottom of the container having their ends folded back upon themselves a short distance, a flexible tying element lying within said folds at each end of the container, each constructed and arranged to be drawn into a tightened loop upon closing of the cover for securing the same and reinforcing the container, and rigid reinforcing means encircled by each element for resisting compression by said element.

2,039,860
VACUUM CLEANER
Noble H. Watts, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application October 17, 1933, Serial No. 693,967
3 Claims. (Cl. 15—3)



1. In a vacuum cleaner, the combination of a motor casing comprising a cylindrical shell open at one end and closed at its other end, a wall integral with the shell at the open end thereof and forming a part of a fan chamber, a nozzle having front and rear walls defining a suction chamber having a discharge opening, a wall integral with the nozzle forming a part of a fan chamber, said fan chamber walls being united to each other at their peripheries, and detachable walls, one of which covers the open end of the said shell and another of which is carried by the nozzle for defining the remainder of the fan chamber, said wall carried by the nozzle comprising a part which seals the joint between the fan chamber walls integral with the shell and nozzle.

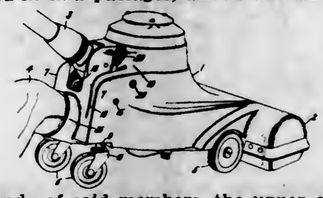
2,039,861
VACUUM CLEANER
Noble H. Watts, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application October 18, 1933, Serial No. 694,093
3 Claims. (Cl. 15—16)



1. In a vacuum cleaner, a casing including a hollow rear extension formed by spaced side walls and walls extending between the top and rear edges of the side walls, a discharge conduit between and at the lower ends of the side walls, means connecting said discharge conduit and said side walls whereby said discharge conduit reinforces said side walls, a handle pivoted on said walls, and handle stop means housed within said rear extension.

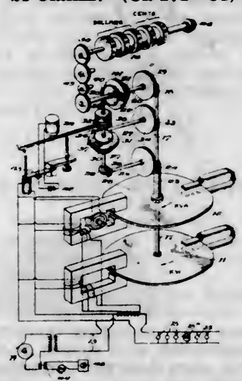
2,039,862
VACUUM CLEANER
Noble H. Watts, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application October 18, 1933, Serial No. 694,094
6 Claims. (Cl. 15—16)

1. In a vacuum cleaner, a casing having walls forming a discharge conduit at its rear and having spaced side walls on opposite sides of the discharge conduit extending above the discharge conduit, means connecting said discharge conduit and said side walls whereby said discharge conduit reinforces said side walls, vertically arranged passages between the side walls on opposite sides of the discharge conduit, members slidably mounted in said passages, wheels carried by the



lower ends of said members, the upper ends of said members being provided with teeth, a shaft mounted transversely in said side walls, means including pinions on the shaft between said side walls for meshing with the teeth on said members, and a lever projecting beyond the confines of said side walls for turning said pinions.

2,039,863
METHOD OF AND APPARATUS FOR EVALUATING ELECTRICAL SERVICE
Allison R. Williams, Yazoo City, Miss.
Application March 22, 1935, Serial No. 12,510
23 Claims. (Cl. 171—34)



16. In apparatus for evaluating electrical service, the combination comprising a kwh. meter, a registering mechanism, means connecting said meter to said mechanism at all times for operating the same at a rate proportional to the total kwh. to be metered, a second means for connecting said meter to said mechanism, said last-named means including means operable to render effective said second connecting means during periods corresponding to excessive system load, whereby a quantity proportional to kw. demand is added to the registered measure of kwh. made by said meter.

2,039,864
ICE DEPOT
Douglas A. Wilson, Peoria, Ill.
Application March 19, 1934, Serial No. 716,228
1 Claim. (Cl. 20—4)

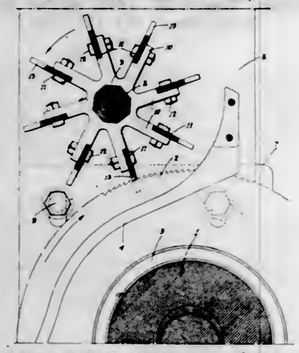
An ice storage depot having an ice compartment provided with insulating walls comprising continuous inner and outer wall portions spaced apart, partitions disposed between said walls in such a manner as to divide the area between

said wall portions into a series of separated horizontally disposed compartments, the area of each compartment overlying that of adjacent com-



partments, and insulating material occupying the area of said compartments.

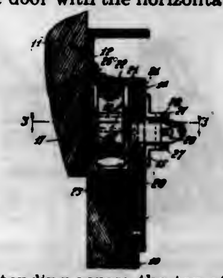
2,039,865
COTTONSEED DELINTING MACHINE
Philip A. Williams, Fresno, Calif.
Application June 25, 1934, Serial No. 732,256
6 Claims. (Cl. 19—55)



1. A cotton seed de-linting machine comprising the combination with spaced de-linting saws of a float roll, such float roll comprising a driven shaft, brackets mounted on the shaft and extending radially therefrom, plates mounted on the brackets and extending parallel with the shaft and transversely of the saw edges, fingers on the plates projecting between the saws in clearance relation to the faces of the saws, such fingers tapering in width from their bases to their outer ends, and means to vary the extent of projection of the fingers between the same and hence vary the distance between the edges of the fingers and the saw edges.

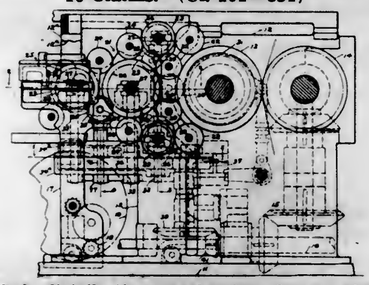
2,039,866
DOOR HANGER
Emil A. Zetmeir, Topeka, Kans.
Application October 13, 1934, Serial No. 748,176
1 Claim. (Cl. 16—101)

A door hanger of the class described comprising a channel member adapted to be secured to the car wall above the door opening with the open side of the channel disposed laterally and the member adapted to extend horizontally beyond the door opening, the lower part of the member being substantially U-shape in cross section to provide a roller channel open at the top and located beneath the outwardly disposed leg or side of the main channel member; a plurality of brackets fixedly secured in spaced relation on the bottom of said last mentioned channel and each having a roller journaled therein; an inverted L-shape plate adapted to be secured at the top of the door with the horizontally disposed



leg thereof extending across the top of the roller-receiving channel in said car wall channel member, the lower surface of said leg of the L-shape plate being provided with a roller-engaging strip coacting with said rollers to prevent lateral shifting movement and the door thereby supported on the rollers; and a guard strip removably secured to the first mentioned channel member in overlapping relation with the horizontally disposed leg of the L-shape door plate.

2,039,867
INKING MECHANISM FOR PRINTING MACHINES
Adolph M. Zuckerman, New York, N. Y., and Herman P. Clauberg, Hasbrouck Heights, N. J., assignors, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application February 3, 1934, Serial No. 709,598
16 Claims. (Cl. 101—351)

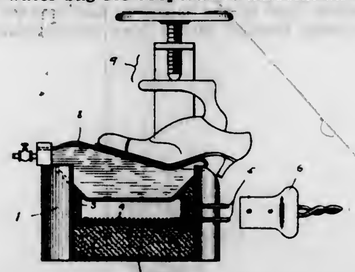


1. Ink distributing mechanism for a printing machine, including in combination, a main drive, a form cylinder and ink distributing cylinders, gearing to rotate said form cylinder from the main drive and gearing to rotate said ink distributing cylinders from the form cylinder, means for vibrating the ink distributing cylinders, and gearing to actuate said vibrating means from the main drive.

2,039,868
SHOE PRESS HEATING DEVICE
Sylvester Zukowski, Duluth, Minn.
Application November 30, 1934, Serial No. 755,260
2 Claims. (Cl. 12—38)

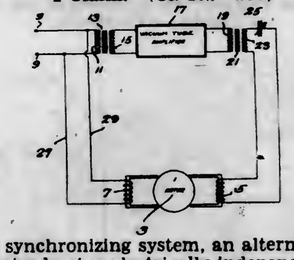
1. In a device of the character described, a box-like receptacle, a shoe press supported thereupon,

heat insulating lining within the receptacle, a smaller receptacle, containing an electric heating element, embedded within said lining, and a resilient water bag for cooperative association with



both receptacles intermediate thereof and said shoe press whereby to conveniently regulate the heat of the water in the bag.

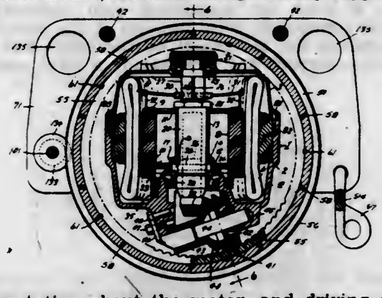
2,039,869
SYNCHRONIZING SYSTEM
Benjamin Adler, Whitestone, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 27, 1929, Serial No. 374,051
1 Claim. (Cl. 172—293)



In a synchronizing system, an alternating current motor having electrically independent motor and generator coils associated therewith, a vacuum tube amplifying circuit, means for connecting the output of said vacuum tube amplifying system with the motor coil of said motor for supplying amplified driving current impulses thereto, means for tuning said motor energy supply circuit to desired frequencies to provide a maximum energy transfer to the motor coil, means for connecting the said generator coil of said motor with the input of said vacuum tube amplifier for regenerating impulses generated in said motor and applying the said impulses to drive the said motor, and means for supplying correction impulses having substantially the same frequency to which said motor energy supply circuit is tuned to the amplifier input simultaneously with the generator impulses to synchronize the motor.

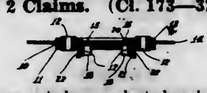
2,039,870
HOIST
Thomas E. Adams, Derby, N. Y.
Application August 20, 1935, Serial No. 36,993
24 Claims. (Cl. 254—168)

1. A hoist comprising a motor, a drum surrounding the motor, end walls on the drum fixed with respect thereto and having central openings, supporting means including parts on opposite sides of the drum, connections between said parts and the motor accommodated by said openings and constituting of the motor and said parts a rigid structure, the drum being suitably supported



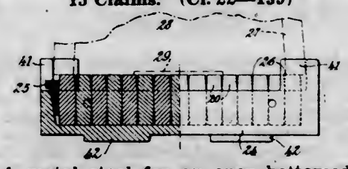
for rotation about the motor, and driving connections between the motor and drum.

2,039,871
VACUUM TUBE SOCKET
Milton Alden, Brockton, Mass.
Application August 4, 1933, Serial No. 683,574
2 Claims. (Cl. 173—328)



1. A vacuum tube socket having low electrostatic capacity comprising two layers of insulation having openings respectively arranged in alignment for the tube prongs and contact members extending through the respective openings in the rear layer and provided with lugs clamped between the layers; at least one of said contact members having an integral soldering lug at the end thereof which is most distant from the insulation reversely bent to bring the lug close to the rear layer.

2,039,872
STOOL TO SUPPORT MOLDS FOR CASTING METAL
Charles H. Aldrich, Elizabeth, N. J., assignor, by mesne assignments, to The American Metal Company, Limited, New York, N. Y., a corporation of New York
Application January 2, 1935, Serial No. 84
15 Claims. (Cl. 22—139)

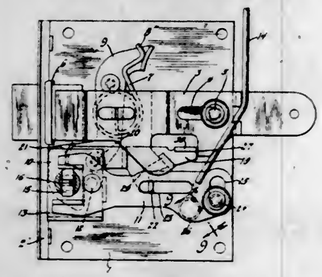


1. A metal stool for an open-bottomed ingot mold adapted for use in casting metal, said stool comprising a composite, mold-supporting structure consisting of numerous, relatively small sections separated by crevices extending from its upper surface to its base and means for holding said sections assembled with their adjacent surfaces in close association.

2,039,873
COACH LATCH
Andrew Christian Andersen and Benjamin H. Bowlus, Detroit, Mich., assignors to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application October 21, 1932. Serial No. 638,856
29 Claims. (Cl. 70—91)

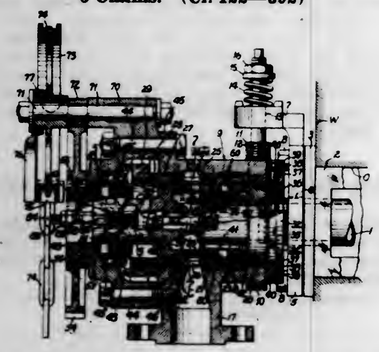
1. In a coach latch, a casing, a bolt slidable therein, an outside retractor, a disconnectable

connection between the outside retractor and the bolt, a lever for controlling said connection, means connecting with one end of the lever for controlling the movement of the same and an outside operated key lock having a pawl engag-



ing the opposite end of the lever for controlling it, and yielding means for returning the pawl so as to prevent the same blocking operation by the other control means.

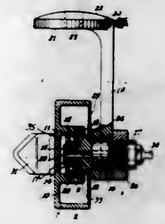
2,039,874
BOILER CLEANER
Leo J. Bayer, St. Louis, Mo.
Application November 28, 1934, Serial No. 755,144
6 Claims. (Cl. 122—392)



1. A boiler cleaner for removing deposits from the external surfaces of boiler tubes, said boiler cleaner comprising a rotatab'y mounted blower tube supported from the boiler tubes, a steam supply pipe therefor, and an operating head for said blower tube, said head including a valve casing between the supply pipe and the blower tube, a sleeve valve for controlling the flow of steam through the valve casing, coupling members on the valve and blower tube positioned for engagement when the valve is open, rotatory means for reciprocating the valve, and means for coupling the rotatory means to the valve for rotating the same.

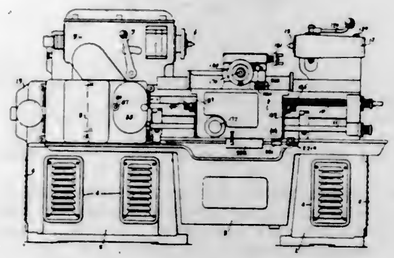
2,039,875
TENSION PULLEY FOR TAPE DRIVES IN TEXTILE MACHINERY
Carl N. Benson, Jenkintown, Pa., assignor to S K F Industries, Inc., Philadelphia, Pa., a corporation of Delaware
Application April 19, 1935, Serial No. 17,277
9 Claims. (Cl. 74—242.12)

1. In a tension pulley for a tape drive, the combination with a pulley drum having a closed side and an open side, there being a hub carried by the closed side of the pulley within the drum, of a ball bearing comprising inner and outer race rings, and a set of balls travelling thereon; and a carrier: one of the said hub and carrier members being formed with a bore within which the



outer race ring of the bearing is mounted, the other of the said members being formed with a spindle portion on which the inner ring is mounted.

2,039,876
AUTOMATIC LATHE
Clifford A. Bickel, Sidney, Ohio, assignor to The Monarch Machine Tool Company, Sidney, Ohio, a corporation of Ohio
Application February 10, 1933, Serial No. 656,173
44 Claims. (Cl. 82—2)



1. In a machine tool having a bed, a carriage, a tool slide, means for supporting a work piece, an actuating motor, means for driving said work piece from the motor, means for operating the carriage and the tool slide from the motor, a system of magnets in circuit with said motor, a system of switches in circuit therewith whereby upon closing the circuit the work will be rotated, the tool slide will move the tool into the work, the tool will be moved along the work, then out of the work and thereafter the carriage will be returned to its initial position opening the entire circuit and stopping all the parts.

2,039,877
FINISHING STRIP
Walter Bishop, Detroit, Mich., assignor to Backstay Welt Company, Union City, Ind., a corporation of Indiana
Application December 12, 1932, Serial No. 646,828
2 Claims. (Cl. 155—184)

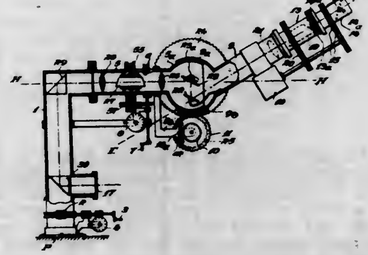
1. As a new article of manufacture a strip of welt making material having a plurality of short parallel wires thrust crosswise therein, in such fashion that both ends of a wire lie upon the same surface of the material, and spaced from each other a short distance, the length of said

wires being less than the width of said strip, the



marginal edges of said strip being folded over the ends of said wires.

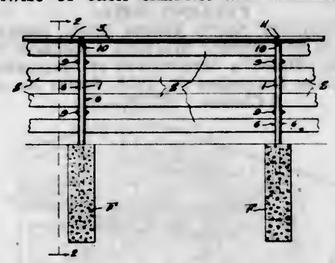
2,039,878
APPARATUS FOR FINDING THE COURSE ALONG ANY DEFINITE GREAT CIRCLE
Johann Maria Boykow, Berlin-Lichterfelde, Germany
Application October 6, 1934, Serial No. 747,156
In Germany October 7, 1933
12 Claims. (Cl. 88—2.3)



1. A great circle finding instrument, comprising a sight movable about a horizontal axis and also about an axis intersecting the first-mentioned axis, means for rotating said sight about the first-mentioned axis in accordance with the movement of the instrument relatively to the earth, means for rotating the sight about the second-mentioned axis in accordance with the rotation of the earth about its own axis, and means for moving said sight to alter the angle between said two axes and make it equal to the angle between the earth's axis and a line perpendicular to the plane of the great circle path to be traveled, at the center of such great circle.

2,039,879
FENCE CONSTRUCTION
Charles S. Brown and Thomas A. Delaney, Syracuse, N. Y.
Application May 22, 1934, Serial No. 726,972
7 Claims. (Cl. 256—68)

6. A fence post comprising a body in the form of an I beam, whereby channels are provided on opposite sides thereof, rails having their ends extending into the channels, and means including an insert located entirely in and extending lengthwise of each channel and common to a



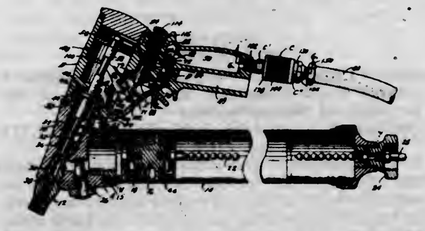
plurality of rails in the same channel for holding the ends of the rails.

2,039,880
AMALGAM FILLING FOR TEETH
Francis A. Bull, Milwaukee, Wis.
Application January 10, 1934, Serial No. 706,070
4 Claims. (Cl. 32—32)



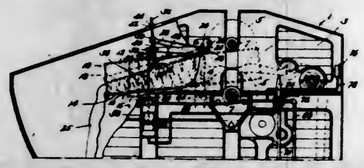
1. A reinforced amalgam filling for teeth comprising the usual amalgam filling material made up of silver alloy filings and mercury and a reinforcing element of substantially plate-like form and of substantially the same composition as said silver alloy filings of the amalgam filling material embedded in said amalgam filling material and united thereto by amalgamation of its surface portions with said filling material.

2,039,881
POWER UNIT FOR INDIVIDUAL LUBRICANT GUNS
John F. Carter, Bryan, Ohio, assignor to The Aro Equipment Corporation, Bryan, Ohio, a corporation of Ohio
Application July 2, 1934, Serial No. 733,448
13 Claims. (Cl. 221—47.3)



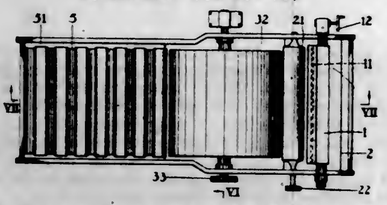
1. A power unit for use with a plurality of individual lubricant guns each having a lubricant expeller plunger, said power unit being detachable and selectively connectible with any one of said lubricant guns for exerting power on the lubricant expeller plunger thereof and comprising a piston engageable with said plunger and selective means for controlling the supply of fluid pressure to secure either a single impulse at a time or a continuation of impulses of said piston.

2,039,882
FULLING MILL
Ernest Cannity, North Adams, Mass., assignor to The James Hunter Machine Company, North Adams, Mass., a corporation of Massachusetts
Application December 27, 1935, Serial No. 56,346
8 Claims. (Cl. 26—21)



1. A crimping box for the fulling of fabrics having in combination a box, a tongue swinging into the box, means yieldingly applying pressure to the tongue in a direction tending to force it into the box, and fluid pressure means adjustably varying the degree of such yielding pressure.

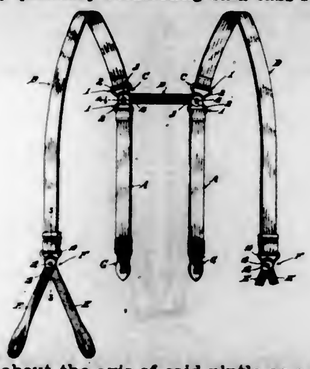
2,039,883
CASTING METHOD AND APPARATUS THEREFOR
William Hale Charch and Clarence E. Coleman, Buffalo, N. Y., assignors to Du Pont Cellophane Company, Inc., New York, N. Y., a corporation of Delaware
Application January 22, 1932, Serial No. 588,079
26 Claims. (Cl. 18—15)



11. A machine for preparing films of regenerated cellulose comprising a reservoir for containing a viscose solution, an orifice in the reservoir for injecting a viscose film into a setting bath, a rotatable foraminous wheel for withdrawing the cellulosic film from the bath and for supporting it against lateral contraction, means for maintaining setting fluid in contact with a portion of said wheel, and means for spraying the film on the wheel with setting fluid.

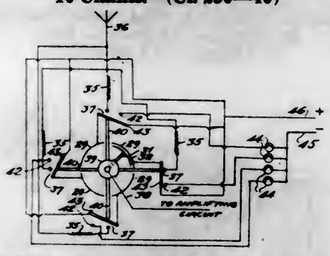
2,039,884
SUSPENDERS
Kenneth Chase, East Walpole, Mass., assignor to George Frost Company, Boston, Mass., a corporation of Massachusetts
Application August 24, 1935, Serial No. 37,773
5 Claims. (Cl. 241—19)

1. In suspenders, the combination of two back straps; two shoulder straps; a connecting piece between the back straps; a swivel connection common to and connecting one end of one back strap, one end of one shoulder strap, and one end of said connecting piece; a second swivel connection common to and connecting one end of the other back strap, one end of the other shoulder strap, and the other end of said connecting piece; pairs of garment-attaching tabs, one pair for each shoulder strap; and pivotal means connecting said pairs of tabs to the respectively associated shoulder straps, each of said pivotal means comprising a single pintle connected to the strap and passing through both tabs of the associated pair and thereby pivotally connecting said tabs for move-



ments about the axis of said pintle as a common axis.

2,039,885
SINGLE DIAL ALL WAVE RECEIVER
Con L. Chunn, Phoenix, Ariz.
Application August 14, 1935, Serial No. 36,209
10 Claims. (Cl. 250—40)

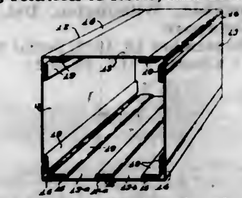


1. In radio receiving apparatus, a pair of relatively rotatable members comprising a shaft and a ring, one of which is fixed and the other movable, a series of sets of condenser plates arranged around and carried by the ring, a single set of condenser plates carried by the shaft and arranged for selective cooperation with the first sets of condenser plates, an antenna, a series of load coils connected in multiple to said antenna and each connectable to a respective set of condenser plates of the series of sets, a lead connected to the single set of plates whereby said single set of plates may be connected to an amplifying circuit, and switch means operatively associated with the movable member and arranged to connect the cooperating set of plates of the series of sets and the load coil associated therewith in series between the antenna and single set of plates, said switch means including a cam carried by the movable member and a series of switches operated successively by the rotation of said cam and each controlling the circuit through a respective load coil.

2,039,886
DUCT
Aaron Cohn, Philadelphia, Pa.
Application September 7, 1935, Serial No. 39,602
15 Claims. (Cl. 138—75)

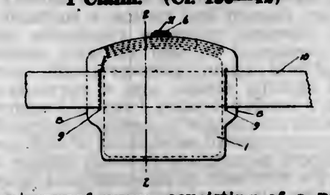
1. A lock-seam comprising a male locking margin and a female locking margin; said male locking margin being reversely folded at its leading edge, said fold terminating in an abutment contacting the unfolded portion of said locking mar-

gin throughout its length; and said female locking margin comprising spaced walls resiliently conjoined at one end thereof and defining a channel, one of said walls being inwardly folded in contacting relation to itself, said fold terminating



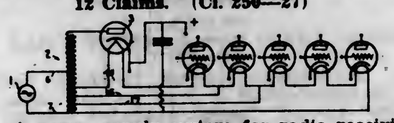
in an abutment; said female abutment being adapted to abut against said male abutment in locking engagement therewith when said lock-seam is assembled.

2,039,887
WATERPROOF PURSE
Joseph John Colletti, Saranac Lake, N. Y.
Application September 17, 1935, Serial No. 40,947
1 Claim. (Cl. 150—42)



A waterproof purse, consisting of a pouch of waterproof material, having its mouth provided with a waterproof lock formed of a pair of resilient strips having interlocking ribs and grooves, said interlocking ribs and grooves gently curving throughout their entire interlocking lengths.

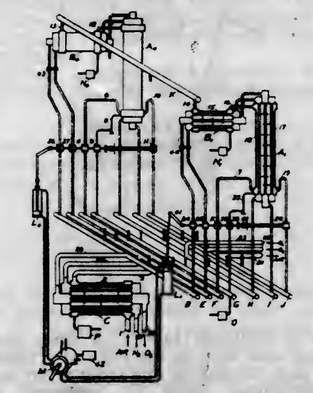
2,039,888
RADIO RECEIVER
Fulton Cutting, Buffalo, N. Y.
Application February 3, 1936, Serial No. 62,141
12 Claims. (Cl. 250—27)



1. A power supply system for radio receiving apparatus and the like, comprising, in combination, connections adapted to be connected to a source of alternating current, an auto-transformer, said connections being connected to said auto-transformer across less than the entire winding so as to provide a voltage step-up in said auto-transformer, means for rectifying the stepped-up voltage thereby produced, a plurality of vacuum tubes each having a cathode, connections from said auto-transformer across a lesser number of turns than the number included between said first named connections to provide a voltage less than the primary voltage for energizing the cathodes of the plurality of vacuum tubes.

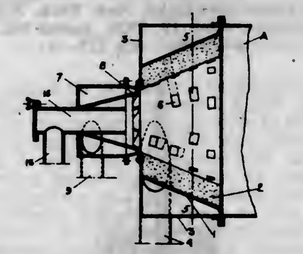
2,039,889
METHOD AND APPARATUS FOR COOLING AND DRYING MOIST GASES
William Lane De Baufre, Lincoln, Nebr.
Application September 5, 1934, Serial No. 742,869
27 Claims. (Cl. 62—175.5)

1. An interchanger for cooling and drying moist gases, including a horizontal section for cooling said gases above the freezing temperature of water, a vertical section for cooling said gases below the freezing temperature of water whereby frost is deposited within said vertical section, means for passing said moist gases



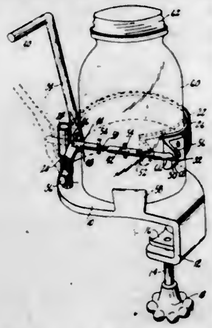
through said horizontal section and then downwards through said vertical section as said moist gases are being cooled, and means for passing said moist gases upwards through said vertical section whereby said interchanger is defrosted.

2,039,890
BURNER
Henri de Coster, Paris, France
Application July 7, 1934, Serial No. 734,147
4 Claims. (Cl. 110—104)



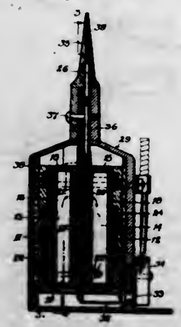
3. In a fuel burner, a mixing chamber of truncated cone form, a cylindrical air chamber surrounding the mixing chamber, there being tangential air ducts communicating with the air chamber and the mixing chamber, a conduit opening tangentially into the air chamber for introducing therein secondary air under pressure, a fuel and air chamber communicating with the small diameter end of said mixing chamber for introducing into it a mixture of combustible fuel and air under pressure, means between the mixing chamber and fuel and air chamber for imparting to said mixture a turbulent motion as it discharges into said mixing chamber, a conduit axially communicating with the small end of the said mixing chamber and inside said means for imparting a turbulent motion to the mixture, for injecting a direct current of air under pressure into the said mixing chamber axially of said chambers, and means for forcing air into the air chamber and into the conduit axially communicating with the mixing chamber.

2,039,891
FRUIT JAR HOLDER
Andrew De Marco, Des Moines, Iowa
Application September 10, 1934, Serial No. 743,402
3 Claims. (Cl. 81—3.3)



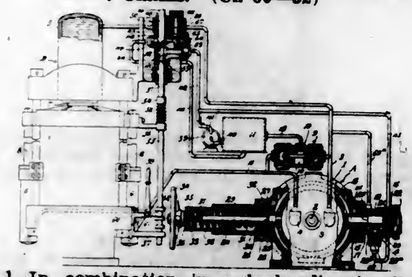
1. In a fruit jar holder, a base, means for clamping said base to the edge of a table or the like, a post extending upwardly from said base, a semicircular band of resilient material mounted at one end on said post, a lever pivotally mounted on said post and a link connecting said lever with the other end of said band, said link having spaced reduced portions and a transversely arranged pin spaced from each reduced portion and said band having a bifurcated ear to selectively coact with said pins, the bifurcation in said ear having a restricted entrance.

2,039,892
STEAM GENERATOR FOR FORMING AND PRESSING DEVICES
Samuel Dowinsky, New York, N. Y.
Application June 19, 1935, Serial No. 27,446
4 Claims. (Cl. 122—4)



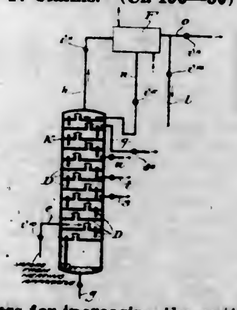
1. A steam generator for forming and pressing devices, comprising a metal body consisting of separate sections, each of said sections being of hollow construction, means which secures said sections together and which forms a passage communicating with the interiors of said sections at a suitable distance above the bottom thereof, water inlet means communicating with the interior of one of said sections, a pipe coiled about said body in contact therewith and having one end thereof communicating with the interior of the other of said sections and the other end of the pipe being disposed to deliver steam, said sections being formed to provide a space therebetween when secured as aforesaid, and heating means extending in said space for heating said sections.

2,039,893
CONTROL MEANS FOR HYDRAULIC PRESS OPERATING CIRCUITS
Walter Ernst, Mount Gilead, Ohio, assignor, by mesne assignments, to The Hydraulic Press Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application September 13, 1932, Serial No. 632,980
7 Claims. (Cl. 60—52)



1. In combination in a hydraulic circuit, a fluid-actuated machine, a variable delivery pump connected thereto and having a shiftable flow-control element, pressure responsive shifting means connected to said shiftable element, a source of fluid pressure uninterruptedly connected to said shifting means, and a normally-closed valve in a conduit leading from said source, said valve being arranged to be operated manually and also by movement of an element of said machine and adapted to alter the pressure therein slowly during the first part of its stroke and more rapidly during the remainder thereof so as to consequently alter the position of said shifting means and the delivery of said pump.

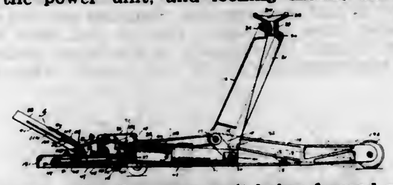
2,039,894
PROCESS OF IMPROVING MOTOR FUELS
John C. Geniesse, Ridley Park, and Raymond Reuter, Philadelphia, Pa., assignors to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application March 9, 1928, Serial No. 260,342
17 Claims. (Cl. 196—50)



1. A process for increasing the anti-detonation characteristic of gasoline, which comprises separating a portion thereof having a lower boiling range, and subjecting the remaining portion of higher boiling range to a temperature in excess of 850° F., whereby the anti-detonation characteristics of said portion are increased solely by thermal conversion.

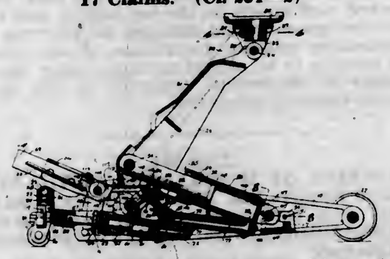
2,039,895
HYDRAULIC JACK
Earl F. Green, Gettysburg, Pa.
Application May 7, 1935, Serial No. 20,186
6 Claims. (Cl. 254—2)

1. A hydraulic jack comprising a frame, a power arm pivotally carried by the frame, a power unit pivotally mounted in the frame and connected to the power arm, an operating handle pivotally attached to the frame and connected to the power unit, and locking means carried



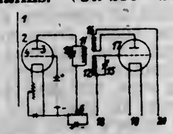
by the handle, the power unit being formed with means, any one of which may be engaged by the locking means.

2,039,896
HYDRAULIC VEHICLE JACK
Earl F. Green, Gettysburg, Pa.
Application May 7, 1935, Serial No. 20,187
17 Claims. (Cl. 254—2)



1. A hydraulic vehicle jack comprising a two-part, wheeled frame, a spacing member secured to the frame members, a power arm pivotally carried by the members of the frame, a power unit disposed between the frame members and pivotally secured to the spacing member by means separate and independent of the means for securing the spacing member to the frame, and means pivotally mounted on the frame for operating the power unit.

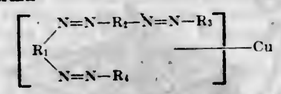
2,039,897
RADIO RECEIVER FOR ULTRA SHORT WAVES
Ernst Gerhard, Berlin-Charlottenburg, Germany, assignor to N. V. Machinerieen-en Apparaten Fabrieken "Meaf", Utrecht, Netherlands
Application December 16, 1931, Serial No. 581,448
In Germany April 2, 1929
5 Claims. (Cl. 250—20)



1. A receiver for ultra short waves comprising an antenna for ultra high frequency waves modulated by auxiliary high frequency signal waves, a tube in damping field connection for modulating said received waves having a cathode, a grid and a plate, a circuit connecting the grid and the plate, tunable means in said circuit adapted to generate high frequency oscillations substantially at said modulated high frequency, means adapted to produce high frequency auxiliary oscillations at substantially the same frequency as said modulated high frequency, said first means and said second means being inductively coupled, whereby the auxiliary high frequency oscillations are imposed upon said circuit to increase the sensitivity thereof.

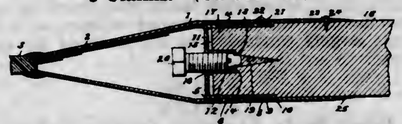
2,039,898
AZO-DYESTUFFS FOR DYEING LEATHER
Joseph Gyr, Basel, Switzerland, assignor to firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application January 15, 1935, Serial No. 1,964. In Switzerland November 24, 1934
7 Claims. (Cl. 260—12)

1. Azo-dyestuffs containing copper in complex union constructed according to the following general formula



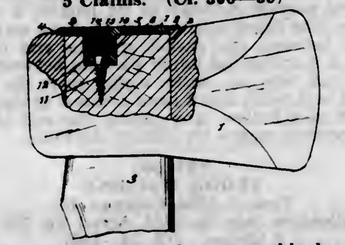
wherein R_1 represents the tetrazo radical of diamino diphenyl containing at least one sulfo-group, R_2 represents an aryl containing at least two hydroxyl-groups and capable of coupling twice, R_3 represents a radical of a diazo compound containing lake-forming groups, and R_4 represents a radical of a coupling component, which azo-dyestuffs containing copper in complex union represent powders soluble in water, and dye leather uniform brown tints of good fastness.

2,039,899
HANDLE CONNECTER
James W. Hargrave, Mertzon, Tex.
Application July 13, 1935, Serial No. 31,268
5 Claims. (Cl. 306—30)



1. A means for connecting an implement and a separable handle, comprising a socket to be connected to the implement, a ferrule to fit over the end of a handle, the socket and ferrule being formed in part for interconnection, the end of the ferrule being formed with an opening for the introduction of a screw to take into the end of the handle, and a set-screw having threaded engagement with the end of the ferrule to overlie and prevent movement of the first-mentioned screw when the latter is in position.

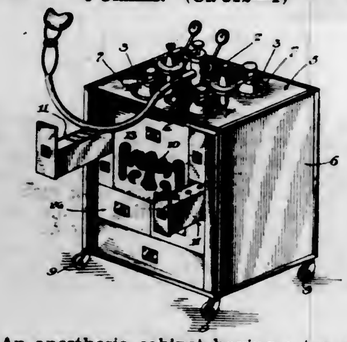
2,039,900
HANDLE CONNECTER
James W. Hargrave, Mertzon, Tex.
Application November 8, 1935, Serial No. 48,917
5 Claims. (Cl. 306—35)



5. An implement head, a separable handle to be inserted in the head, an element cooperating

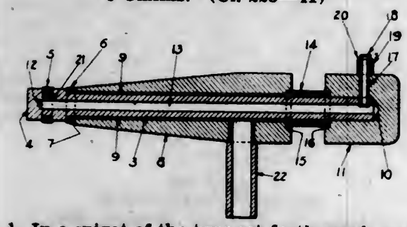
with and engaging the head to limit movement of the element toward the handle, said element having an extension seated in the end of the handle, removable means passing through such extension and entering the handle to secure the handle and head together, and means cooperating with such extension and engaging such removable means to fix the latter against removal from the handle.

2,039,901
DENTAL, MEDICAL, AND HOSPITAL ANESTHESIA APPARATUS
Frank J. Hawley, Brooklyn, N. Y.
Application March 1, 1935, Serial No. 8,793
6 Claims. (Cl. 312—1)



1. An anesthesia cabinet having a top and an anesthesia controlling head supported by the top, said top having a plurality of openings equally spaced from the axis of the head for the reception of anesthesia tanks suspended by said head within the openings and cabinet with the tanks largely concealed by the walls of the cabinet.

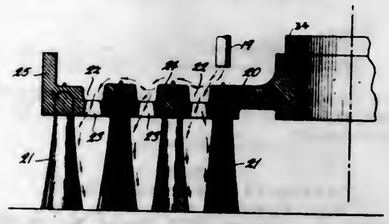
2,039,902
FAUCET
Frank Healy, Sandwich, Ontario, Canada
Application June 2, 1934, Serial No. 728,705
Renewed October 16, 1935
6 Claims. (Cl. 225—41)



1. In a spigot of the type set forth an elongated hollow body of annular cross section having a tapered portion midway of its length, a sliding hollow tube fitted with tubular gaskets, an intake orifice between one gasket and the end of said body, a longitudinal liquid passage between said body and tube, an outlet orifice near the other end of said body, and a head secured to the outer end of said hollow tube closing the end thereof and forming means for sliding the same.

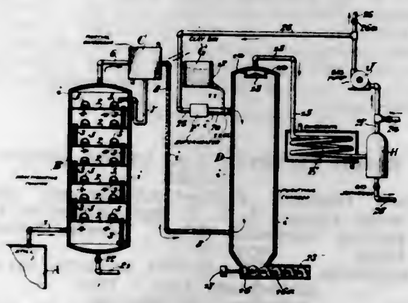
2,039,903
FLOOR MACHINE
Fred C. Hild, Chicago, Ill.
Application July 30, 1934, Serial No. 737,514
5 Claims. (Cl. 15—180)

1. In a machine for cleaning the pile of a carpet, a circular brush back provided with a central hub adapted to engage an operating shaft, and having a plurality of rows of openings therein, bristles depending from the lower face of said brush back and so located with respect to said openings that cleansing solution deposited upon the upper face of said back will flow through the openings to the upper portions of approximately all of the bristles, and will



travel downwardly thereover to the area to be cleaned, and means on the top face of said back and contiguous to said openings for effecting approximately uniform distribution of said cleansing solution to all of said openings under the influence of movements imparted to the brush during cleaning operations.

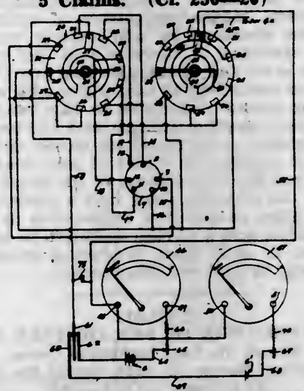
2,039,904
REFINING OF MINERAL OIL DISTILLATES
Joseph Bennett Hill, Philadelphia, Pa., assignor, by mesne assignments, to The Gray Processes Corporation, Newark, N. J., a corporation of Delaware
Application June 21, 1926, Serial No. 117,223
Renewed December 6, 1933
6 Claims. (Cl. 196—96)



1. The method of removing gum-forming and color-imparting bodies from mineral oil distillates containing unsaturated compounds, which comprises introducing vapors of the distillate into a treating zone, bringing into direct contact with said vapors in said zone particles of dry finely divided fuller's earth in motion, separating gas from said vapors, and utilizing gas so separated as motive fluid for transporting particles of fuller's earth to said zone.

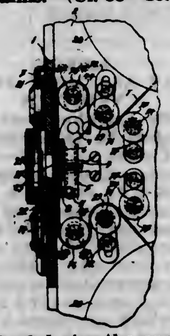
5. The method of refining petroleum products containing unstable unsaturated hydrocarbon impurities which comprises passing the same through an interiorly unobstructed treating chamber, while simultaneously introducing finely divided solid adsorptive material into said chamber and causing particles of the adsorptive material to fall through the free space within said chamber in countercurrent to the flow of said vapors and in direct contact therewith.

2,039,905
CIRCUIT ANALYZER
Joseph C. Hoover, Detroit, Mich.
Application May 31, 1934, Serial No. 728,329
5 Claims. (Cl. 250—20)



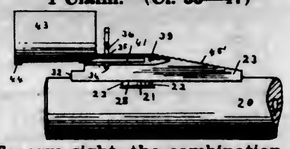
1. The combination with a radio receiving set, of means for testing a circuit of the set having terminals in a tube socket thereof while in static condition comprising an electrical measuring instrument having a dial and pointer, an energized circuit therefor, means in said circuit for adjusting the same to indicate certain current value on the measuring instrument dial, a plug having electrodes electrically connected with the measuring instrument circuit adapted for insertion in the tube socket to contact the current terminals thereof, and a switching means by which a circuit of the set having terminals in a socket engaged by any two electrodes of the plug may be included in the measuring instrument circuit or excluded to independently permit adjustment of the current value of the measuring instrument circuit, the variation in the measuring instrument reading under the two possible electrical conditions caused by adjustment of the switch visibly indicating the electrical properties of the receiver circuit under test.

2,039,906
STRIP FEED MECHANISM
Albert S. Howell, Chicago, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application April 11, 1934, Serial No. 720,098
8 Claims. (Cl. 88—18.4)



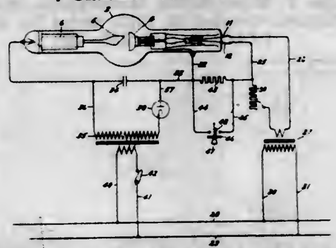
1. In a strip feed device the combination with means for intermittently feeding a strip, of a member engageable with the interior of a compensating loop in the fed strip and mounted for movement in a path to expand the same, and means driven with said feeding means for reciprocating said loop engaging member in said path in one to one timed relation with the feeding cycle of said feeding means and in a magnitude less than that of the intermittent strip feed movement of said feeding means and adapted to at least partially compensate between the intermittent feed of the strip on one side of said loop and a uniform constant feed of the strip on the other side of said loop.

2,039,907
FIREARM SIGHT CONSTRUCTION
Charles J. Jefferson, Springfield, Mass., assignor to J. Stevens Arms Company, Chicopee, Mass., a corporation of Massachusetts
Application July 23, 1935, Serial No. 32,779
1 Claim. (Cl. 33—47)



In a firearm sight, the combination of a base having in each of its opposite sides a recess extending longitudinally from one end of the base, said base having a transverse narrow slot intersecting said recesses and extending to the top of the base, a readily removable, thin sight piece having a foot adapted to fit into the slot of the base and having a sight part projecting above the base, the foot of said sight piece having in its opposite side edges notches corresponding to the two recesses in the sight base, a forked holder having its arms adapted to fit and slide along the recesses of the base and through the notches in the foot of the sight piece and a C-shaped hood adapted to extend longitudinally over the top of the base and to surround the sight part of the sight piece, the opposite longitudinal edges of the hood being spaced apart to fit into and slide along the said recesses in the base outside of the arms of said forked holder whereby the hood is readily attachable to and detachable from the sight without moving the sight piece in the base.

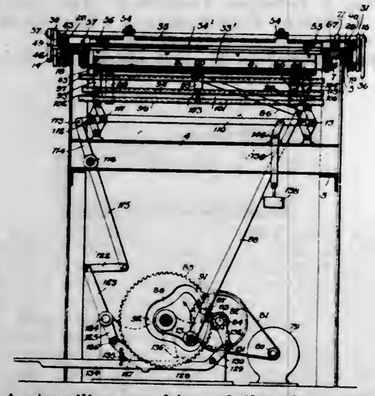
2,039,908
X-RAY SYSTEM
William K. Kearsley, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application July 21, 1932, Serial No. 623,760
7 Claims. (Cl. 250—34)



1. An electrical apparatus comprising a thermionic tube which is provided with a main anode, a main cathode, and an auxiliary electrode surrounding said cathode whereby current between said main electrodes may be controlled, a

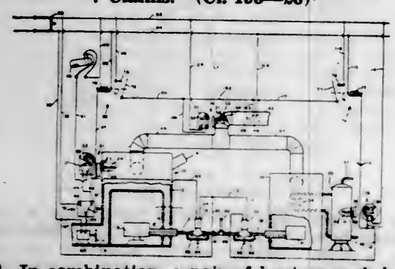
capacitor, electric supply conductors connected therefrom to said main electrodes, means for charging said capacitor, an electric impedance which is included in one of said supply conductors and having one terminal connected to said cathode, a circuit connection from the opposite terminal of said impedance to said auxiliary electrode, and means whereby said impedance may be short-circuited.

2,039,909
PRINTING PRESS
Huxley D. Kem and Joseph R. Marshall, Jr., Medford, Oreg.
Application October 24, 1934, Serial No. 749,831
5 Claims. (Cl. 101—123)



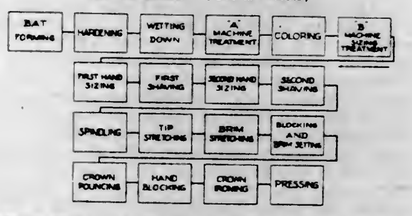
1. A stenciling machine of the character described, including a plurality of supporting legs, a frame carried by said legs, a stencil screen carried by said frame, a table adapted to hold a sheet of paper or other material against said screen to receive an impression, a plurality of means for raising and lowering said table, a plurality of means for moving said table outside of said frame for holding the table outside of said frame for a given time, and then moving the table back within the frame while in a lowered position, a squeegee for spreading coloring matter over said stencil screen, power actuated means for moving said squeegee over said stencil screen, and means including an electric switch for shutting off said power actuated means on each stroke of the squeegee.

2,039,910
DUAL OIL BURNER CONTROL SYSTEM
John P. Kriechbaum, Minneapolis, Minn.
Application October 16, 1933, Serial No. 693,756
7 Claims. (Cl. 158—28)



1. In combination, a pair of heaters each having a burner and a fuel supplying means therefor, a stack common to said two heaters, an electrical draft producing means operative to produce a draft through said common stack and heaters when energized, an electrically operated fuel supply valve in each of said fuel supplying means, thermostatic means responsive to temperature conditions produced by said heaters, energizing circuits operative to energize said fuel valves to open the same and to energize said draft producing means controlled by said thermostatic means, switching means responsive to the temperature of the gases passing through said common stack and including a switch which closes after combustion is obtained in either of said heaters and opens when the temperature of the gases passing through the common stack falls a predetermined amount after cessation of combustion in both of said heaters, and a circuit operative to maintain operation of said draft producing means controlled only by said switching means.

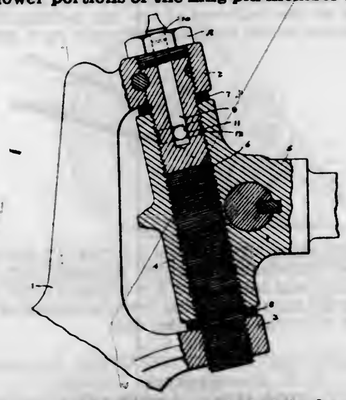
2,039,911
MANUFACTURE OF FUR OR FELT HATS
Frank H. Lee, Danbury, Conn.
Application March 16, 1934, Serial No. 715,968
22 Claims. (Cl. 2—192)



18. In the manufacture of fur or felt hats, the method which includes the steps of forming a hat bat in such manner that its lower skirt portion which ultimately forms the brim is heavier than the tip portion, working the edge portion of the bat to fix the edge fibers thereof, machine sizing the bat down to about five inches of its final body size, thereupon coloring the resulting bat, machine sizing the colored bat down to about two inches of its final size, thereupon hand-sizing the bat down to slightly in excess of its final body size, shaving the slightly oversize bat, again hand-sizing the bat to final body size, again shaving the resulting body, spindling the relatively heavy brim portion of the body, stretching the so treated body, blocking the stretched body, pouncing the crown of the blocked body, ironing the crown of the blocked body, and finally pressure molding the so treated body whereby to set the crown and brim thereof.

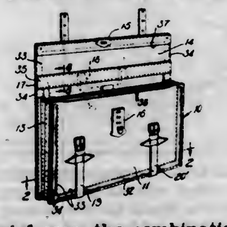
2,039,912
KINGBOLT ASSEMBLY FOR MOTOR VEHICLES
John Wycliffe Leighton, Port Huron, Mich.
Application July 22, 1933, Serial No. 681,674
2 Claims. (Cl. 287—100)

2. A king bolt assembly comprising a support member formed with an eye, a king pin having an enlarged integral upper end portion jambed in said eye and having an externally threaded portion of lesser diameter than the jambed portion extending downwardly clear of said eye at an angle to the perpendicular, said respective portions being joined by a tapered threaded portion, the thread of which comprises a spiral continuation of the thread on said portion of lesser diameter, and an internally threaded steering knuckle having its threaded surfaces bearing on said reduced threaded portion of the king pin member, the tapered joining portion between said upper and lower portions of the king pin member serving



to distribute the stresses and obviate fracture of said king pin at the base of said eye.

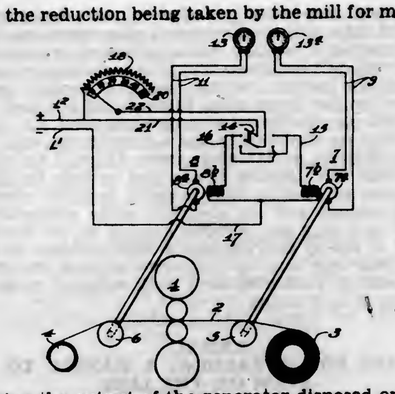
2,039,913
BRIEF CASE
Samuel H. Lifton, Brooklyn, N. Y.
Application July 26, 1935, Serial No. 33,285
6 Claims. (Cl. 150—1.6)



1. In a brief case, the combination of, spaced front and rear walls each having strengthening means comprising spaced elongated flat resilient sides and an elongated resilient flat brace interconnecting said sides, said sides having their lower portions reduced to provide terminal shoulders, said brace having terminal shoulders, the lower shoulders of said sides being disposed in overlapped relation relative to the shoulders of said brace to provide overlapped corner connections, yieldable means secured to an inner face of each of said walls for enclosing a respective strengthening means thereof, and an intermediately disposed gusset connected to said front and rear walls and to outer marginal portions of said yieldable means.

2,039,914
REDUCTION INDICATOR FOR ROLLING MILLS
Walter W. McBane, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application July 29, 1933, Serial No. 682,857
6 Claims. (Cl. 80—32)

1. In combination with a rolling mill, a pair of electric generators, means disposed on opposite sides of the mill for operating said generators at speeds corresponding with the speeds of the stock being passed through the mill at such points, means for measuring the respective outputs of said generators, and means calibrated in terms of the reduction being taken by the mill for modifying the output of the generator disposed on the discharge side of the mill.

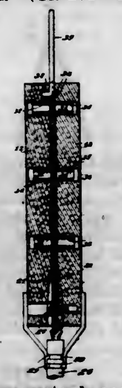


2,039,915
REELING MACHINE
Glen R. McCoy, Wayland, Iowa
Application December 11, 1934, Serial No. 757,045
2 Claims. (Cl. 242—114)



1. In a reel of the character described, a hub, arms radiating therefrom, coil supports extending between the arms at the opposite sides of the reel, a movable section at the outer ends of two adjacent arms, a screw and slot connection between the movable section and arm and a pin and fork connection between the inner end of the movable section and arm for holding them in alinement.

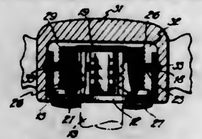
2,039,916
ELECTRICAL RECEPTACLE
William F. McIntosh, Charlestown, Mass.
Application January 7, 1935, Serial No. 676
1 Claim. (Cl. 173—334)



An electrical plug receptacle comprising in combination, a symmetrical multiple electrical plug bar having a plurality of split bosses oppositely opposed to each other on either side of said bar, one end of said bar being provided with a hollow binding post boss, symmetrical casings enclosing

said bar and being provided on their inner opposed sides with counterbored plug openings the counterbored portion being adapted to receive the said split bosses on said plug bar, symmetrical housings having locking bosses oppositely opposed on the inner sides thereof and adapted to fit into counterbored recesses provided for the purpose on the outside and adjacent one end of said casings, a clamping screw adapted to pass through said locking bosses and casings for the purpose of binding said housing together about said casings and an electrical cable connecting with said plug bar, a recess located on the inside face of one of said casings, a hook member having one end bent at forty-five degrees for the purpose of anchoring said hook member in said recess in said casing.

2,039,917
MEANS FOR ATTACHING A HANDLE TO A STEM OR THE LIKE
Harold Michel, Brooklyn, N. Y.
Application July 24, 1935, Serial No. 32,829
5 Claims. (Cl. 287—53)



2. In combination, a stem, a handle having a recess opening through the under side thereof, a closure member for closing said recess and having an opening therein for the passage of one end of said stem, means for removably connecting said closure member to said handle, gripping means contained within said recess for gripping said stem, and means preventing turning of said gripping means relative to said closure member.

2,039,918
RUBBER TOY
Layard D. Miller, Chicago, Ill., assignor to Lee-Tex Rubber Products Corporation, Chicago, Ill., a corporation of Delaware
Application February 14, 1935, Serial No. 6,451
2 Claims. (Cl. 46—87)



1. An inflatable toy of one-piece seamless construction comprising, in normally collapsed condition, a seamless hollow body having closely adjacent parallel walls of desired marginal configuration, laterally spaced seamless hollow extensions of said body communicating with the interior of the body and lying in parallel planes upon the outer sides of said side walls, and each of said hollow extensions having parallel walls of desired marginal configuration.

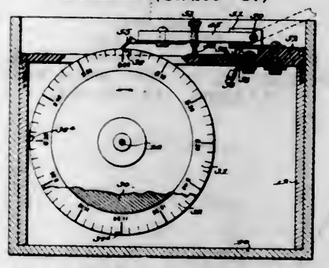
2,039,919
CAR-MOVER
Oscar W. Miller, Appleton, Wis.
Application April 4, 1935, Serial No. 14,649
2 Claims. (Cl. 254—38)

1. A car mover comprising a shoe having a rail-engaging fulcrum on its lower face intermediate the ends thereof, a car wheel pushing lever rockably connected to the extreme forward end of the shoe, depending spaced parallel ears formed on the rear end of the car pushing lever, a rotatable roller mounted between said ears, a



main operating lever having a forwardly projecting nose detachably received between said ears and under said roller, and a removable pivot connecting the main operating lever intermediate its ends on the rear end of the shoe.

2,039,920
SIGNALING APPARATUS
John R. Moore, Tyler, Tex.
Application September 22, 1934, Serial No. 745,113
1 Claim. (Cl. 200—37)

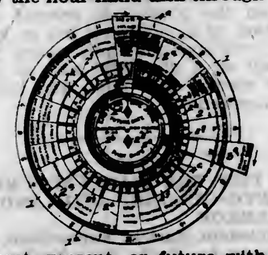


In an apparatus for producing periodic signals, a casing provided with a top having an opening therein, a driven shaft in the casing, a drum secured to the shaft and having a portion projecting through said opening, a plurality of spaced rings secured to the surface of the drum and provided with notches, a lever for each ring and individually pivoted on the top and disposed in vertical alinement with the respective ring, each lever having a free end thereof above the opening riding on a respective ring, means whereby said levers can be swung away from said rings and supported in an inoperative position on top of said case, a contact secured to the top beneath each lever, a contact carried by each lever and adapted to engage the adjacently disposed contact on the top when the free end of a lever registers with a notch on a ring.

2,039,921
WORLD TIME CHART
George Edwin Murphy, Averill Park, N. Y.
Application January 11, 1936, Serial No. 58,767
20 Claims. (Cl. 235—88)

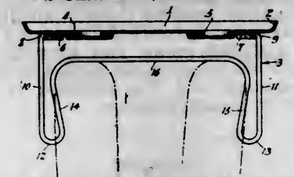
1. In a world time chart having a face disk divided into twenty-four time zones each containing related geographical notations, one of said zones comprising the featured zone of the chart, and said disk having openings in the zones; and said chart having an hour hand disk movably mounted behind the face disk and having a field, portions of which are displayed through the openings, and which field is divided into twenty-four divisions denoting the hours of the day and

night; means cooperating with the hour hand disk for denoting whether the relative date displayed by the hour hand disk through said open-



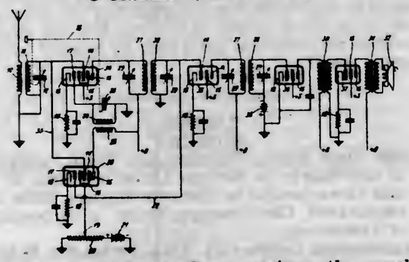
ings is past, present, or future with respect to the featured zone time.

2,039,922
LAP TRAY
Clarence P. Neats, East Orange, and William W. Calahan, South Orange, N. J.
Application November 19, 1935, Serial No. 50,586
2 Claims. (Cl. 311—25)



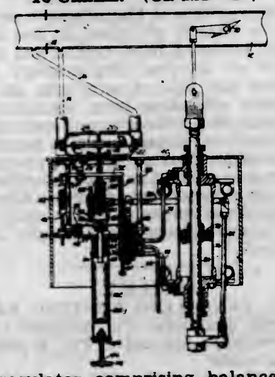
1. A metallic lap tray formed with a flat sheet metal body having a turned up periphery presenting an upstanding wall at the perimeter of the body and a depressed portion adapted to hold an article, said depressed portion extending below the bottom surface of said body, a pair of hinge straps connected to said body near two of the edges, said hinge straps extending downwardly to approximately the lower surface of said depressed portion and a metallic support having journal members fitting within said straps, said journal members merging into the spaced depending leg members and said leg members in turn merging into a connecting stiffening bar.

2,039,923
SUPERHETERODYNE RECEIVER
William J. O'Brien, Chicago, Ill., assignor to Radio Corporation of America, a corporation of Delaware
Application December 4, 1934, Serial No. 755,872
8 Claims. (Cl. 250—20)



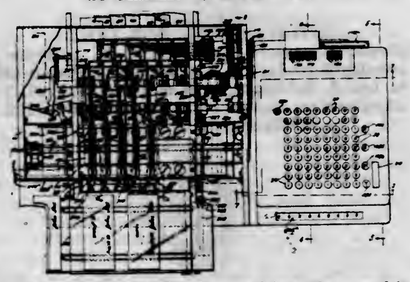
1. In a superheterodyne receiver, the combination of a frequency converter tube and an exciter tube, each of said tubes having a cathode, a plurality of control grids and a plate, an input circuit resonant to the signal frequency connected between a control grid and cathode of said converter tube, an output circuit resonant to an intermediate frequency connected to the plate of said converter tube, means coupling said last named circuit to a control grid of said exciter tube, means coupling said input circuit to a second control grid of said exciter tube, an output circuit connected to the plate of said exciter tube, and means for impressing the voltage variations in said last named circuit on a second control grid of said converter tube.

2,039,924
AIR-OPERATED REGULATOR
George K. O'Connor, Evanston, Ill., assignor to Smoot Engineering Corporation, Chicago, Ill., a corporation of Delaware
Application October 7, 1935, Serial No. 43,886
16 Claims. (Cl. 121—41)



1. A regulator comprising balance means, a diaphragm, means controlled by the balance means for varying the pressure of a fluid acting against one face of the diaphragm, a dashpot cylinder carried by the other face of the diaphragm, a dashpot piston in said cylinder, a spring connecting the dashpot piston and the balance means, a lengthwise movable rod operatively secured to the diaphragm, yielding means acting on said rod and resisting movement of the diaphragm caused by said fluid, a power cylinder and piston, a pilot valve and conduits controlled thereby for admitting power fluid to one end or the other of the power cylinder, and return motion means connecting the power piston and said valve and the dashpot cylinder.

2,039,925
PAY ROLL CHECK MACHINE
Nelson C. Ovaitt, Philadelphia, Pa.
Application October 21, 1930, Serial No. 490,153
26 Claims. (Cl. 235—60)



1. In a payroll check machine, in combination, a plurality of rolls of checks, each check

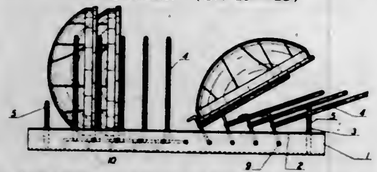
having a monetary value indicated thereon, the values however differing among the rolls, means for applying the date and maker's signature to a plurality of checks simultaneously and means for selecting checks from one or more rolls and presenting them to the date and signature applying means.

2,039,926
ICE PICK
William F. Paradise, Atchison, Kans.
Application September 4, 1934, Serial No. 742,652
3 Claims. (Cl. 83—62)



1. As a new article of manufacture an ice pick comprising a handle provided at one end with a cylindrical socket, a head comprising an annular grip and an integral long primary cone extending from one side of said grip, an integral auxiliary cone extending from the other side of said grip, said long primary cone extending into said cylindrical socket, said socketed portion of the handle forming a bearing on said primary cone at the outer end only of said socket, whereby the primary cone is permitted to have a slight "universal" movement in said socket, and a blade extending into said head, substantially as shown and described.

2,039,927
GLASS ANNEALING NESTING RACK
Louis Poglein, Jeannette, Pa., assignor to McKee Glass Company, Jeannette, Pa., a corporation of Pennsylvania
Application November 25, 1935, Serial No. 51,345
3 Claims. (Cl. 49—45)



1. Apparatus for spacing and supporting glass articles to be annealed comprising a base member, a plurality of brackets mounted on said base member, said brackets being hinged to said base to be movable in a substantially horizontal position for receiving the ware to be supported thereon and to be movable to an upright position after the ware is placed thereon whereby the ware is supported in uniform spaced relation on the supporting member.

2,039,928
ARTIFICIAL EYE FOR DOLLS
Nicholas Popovich, Teaneck, N. J., assignor of one-third to Joseph A. Taferner and one-third to Leo J. Schlitzer, both of New York, N. Y.
Application January 3, 1935, Serial No. 292
11 Claims. (Cl. 46—168)

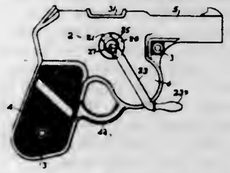


1. An artificial eye unit for dolls, comprising a casing to be fitted into an eye socket and having a transparency in its walls, and an eye ball consisting of a hollow sphere formed of two complemental spherical segments one of which is heavier than the other, one thereof having a representation of a pupil and iris in juxtaposition to said transparency, and means mounting said eye ball on a diametral axis to rotate by gravity for moving said pupil and iris relative to said transparency.

2,039,929
PROCESS FOR THE MANUFACTURE OF 2-KETO-LEVO-GULONIC ACID AND PRODUCT THEREOF
Tadeus Reichstein, Zurich, Switzerland, assignor to Hoffmann-La Roche Inc., Nutley, N. J., a corporation of New Jersey
No Drawing. Application February 6, 1935, Serial No. 5,305. In Switzerland March 15, 1934
6 Claims. (Cl. 260—112)

1. The process for the manufacture of 2-keto-levo-gulonic acid, which consists in transforming levo-sorbose with the aid of alicyclic ketones containing a nuclear keto group into bis-methylene-ether derivatives, treating these in alkaline solution with oxidizing agents which oxidize a CH_2OH group to a COOH group, and splitting off the alicyclic ketones from the bis-methylene-ether-2-keto-levo-gulonic acid thus obtained by heating with water at an acid reaction.

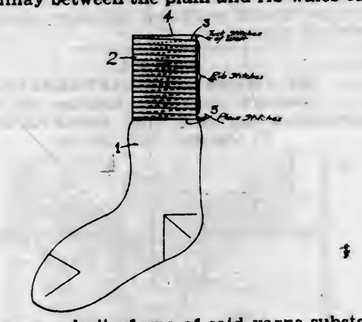
2,039,930
MACHINE GUN
Robert J. Rickenbacher, Columbus, Ohio, assignor to The Kilgore Mfg. Company, Westerville, Ohio, a corporation of Ohio
Application November 19, 1934, Serial No. 753,561
7 Claims. (Cl. 42—57)



1. In a toy pistol, a pair of side members, one side member having a hole therein, a rotary anvil having a hub thereon projecting into the hole, said anvil and hub having an axial cavity therein, a spring-pressed plunger slidably supported by the other side member and projecting into the cavity, a handle member having a ball on one end fitting in said acvity and engaged by the plunger, and cooperating means on the hub and the handle member whereby the anvil may be rotated by the handle member.

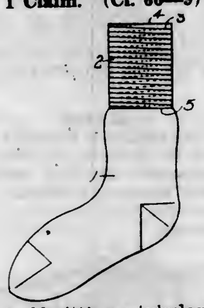
2,039,931
HOSIERY
Clyde Alvin Riggs, Chattanooga, Tenn., assignor of one-fourth to Nathan Levin, Trenton, N. J., and three-tenths to Margate Hosiery Mills Incorporated, Chattanooga, Tenn., a corporation of Tennessee
Application October 31, 1935, Serial No. 47,663
8 Claims. (Cl. 66—172)

1. A tubular stocking having a single wall rib top and a single course spiral plain leg said top comprising courses containing plain and rib wales, said courses being knit of separate yarns in regular and repeating sequence, and a spiral elastic thread inlay between the plain and rib wales only



in the courses knit of one of said yarns substantially throughout the top.

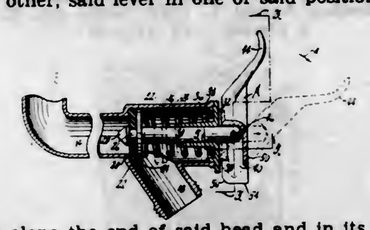
2,039,932
METHOD OF MAKING HOSIERY
Clyde Alvin Riggs, Chattanooga, Tenn., assignor of one-fourth to Nathan Levin, Trenton, N. J., and three-tenths to Margate Hosiery Mills Incorporated, Chattanooga, Tenn., a corporation of Tennessee
Application January 3, 1936, Serial No. 57,348
1 Claim. (Cl. 66—9)



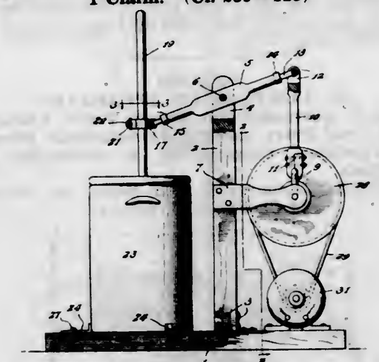
The method of knitting a tubular stocking having a rib top and a plain leg, the rib top approximating in diameter the diameter of a rib top as normally made upon a certain diameter machine having a certain number of needles, including the step of knitting upon a plurality of feeds upon a larger diameter machine having the same certain number of needles to knit the courses of said top of separate yarns in regular and repeating sequence, the step of feeding rubber yarn under tension to said larger diameter machine at only one of the feeds thereof for incorporation unknit between the plain and rib wales in the courses knit of one of said yarns substantially throughout the top, the tensioned rubber yarn contracting the rib fabric as it comes off the larger diameter machine to the desired diameter, the step of transferring said rib top to a plain machine of smaller diameter than said larger diameter machine and having the same certain number of needles and the step of knitting the plain leg.

2,039,933
AUTOMATIC FAUCET
Richard Rupert, Kansas City, Mo., assignor to Rupert Diecasting & Stamping Corporation, Kansas City, Mo., a corporation of Missouri
Application June 18, 1935, Serial No. 27,188
7 Claims. (Cl. 251—132)

3. In an automatic faucet, a valve body having an inlet and an outlet, a valve seat between said inlet and outlet, a valve plug for seating thereagainst, a valve stem connected with said valve plug, spring means to urge said valve plug to seat on said valve seat, a head on said valve body, said stem extending therethrough and means exterior of said head to unseat said valve plug against the tension of said spring comprising a two position elongated lever pivoted intermediate its length to the outer end of said stem, a handle for swinging said lever from one position to the other, said lever in one of said positions lying alone the end of said head and in its other position extending at substantially right angles thereto with the end thereof resting against the head and held in engagement therewith under the tension of said spring, said lever having a slot therein into which said stem extends and means on said head engaging in said slot to guide said lever in its swinging movement and prevent its rotation relative to said head about the axis of said stem.



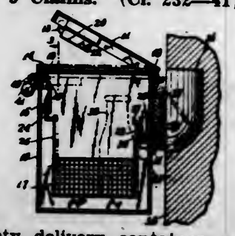
2,039,934
CHURN
Vesper C. Russell, Red Boiling Springs, Tenn.
Application January 17, 1935, Serial No. 2,281
1 Claim. (Cl. 259—113)



A churn mechanism including a base, a standard rising from the base and having its upper end bifurcated, arms secured at opposite sides of the standard and projecting laterally from the standard below the bifurcated upper end thereof, a crank shaft journaled through the arms with its crank between the arms and one end portion projecting outwardly from an arm, a pulley on the outwardly projecting end portion of the crank shaft, a walking beam pivotally mounted in the bifurcated end of the standard, a stem extending from one end of the walking beam over the crank of said crank shaft, a connecting bar having a bifurcated upper end straddling said stem and pivotally connected thereto and having a bearing at its lower end engaged about the crank arm of the crank shaft, a clevis at the other end of the walking beam, a clamp pivoted in the clevis and adapted to be tightly secured about a dasher staff and reciprocate the staff vertically when the

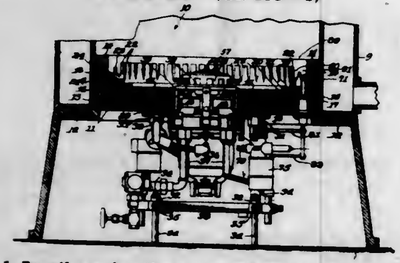
walking beam is in motion, a motor mounted on the base beneath the crank shaft, a pulley carried by said motor, and a belt engaged about the pulleys of the motor and crank shaft for rotating the crank shaft whereby the walking beam will be rocked for moving the dasher staff.

2,039,935
SAFETY DELIVERY CONTAINER
Eli Sacks and Curt Steinborn, Brooklyn, N. Y.
Application August 7, 1935, Serial No. 35,033
9 Claims. (Cl. 232—41)



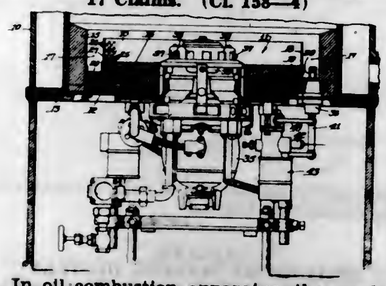
1. A safety delivery container, comprising a container body having a hingedly mounted cover, a master latch with a resiliently extended bolt mounted on said cover, a keeper for said bolt mounted on said container, an auxiliary latch mounted on said container and having a resiliently extended bolt normally preventing said bolt engaging said keeper, a basket for articles within said container and connected with the bolt of said auxiliary latch to retract it when articles are placed in the container, and a resilient member mounted on said container and normally held fixed by the extended bolt from said auxiliary latch, and when said bolt is retracted, movable to depress the bolt from said master latch to open the latter.

2,039,936
OIL COMBUSTION APPARATUS
Oscar C. Schroeder and Stanley Perry, Chicago, Ill.; said Perry assignor to Automatic Burner Corporation, Chicago, Ill., a corporation of Illinois
Application January 30, 1933, Serial No. 654,356
20 Claims. (Cl. 158—4)



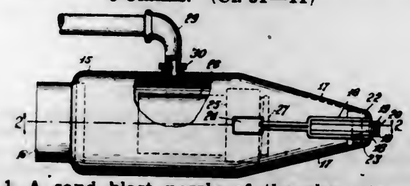
1. In oil combustion apparatus, the combination of a combustion chamber having a hearth with a raised portion adjacent its periphery and having a surrounding wall structure, and means at the center of said hearth and extending above the latter for projecting finely divided oil and air against the raised portion of said hearth, said raised portion comprising an annular series of breaker teeth spaced from the surrounding wall structure to provide a combustion space outwardly beyond said teeth with which the spaces between the teeth communicate the side walls of the spaces between the teeth at the bottom portions thereof converging downwardly to produce substantially V-shaped spaces and said means being so positioned as to discharge the oil against the bases of said teeth and into said substantially V-shaped spaces.

2,039,937
OIL COMBUSTION APPARATUS
Oscar C. Schroeder, Chicago, Ill.
Application August 2, 1933, Serial No. 683,372
17 Claims. (Cl. 158—4)



1. In oil combustion apparatus, the combination of a combustion chamber having a hearth and a surrounding side wall extending above said hearth, a ring of heat resisting material rising from the hearth and spaced from the surrounding side wall of said chamber, said ring having openings therethrough, and means at the center of the hearth for projecting air and finely divided oil directly against said ring, said openings extending over substantially the entire area of the portion of the ring impacted by the atomized oil.

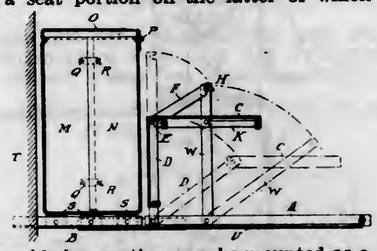
2,039,938
SANDBLAST NOZZLE
Frederick W. Schultz, Wichita, Kans.
Application December 23, 1935, Serial No. 55,826
6 Claims. (Cl. 51—11)



1. A sand blast nozzle of the character described comprising an elongated casing having a sand and air inlet at one end and a discharge at the opposite end, the discharge end of the casing being gradually reduced so as to taper on two opposite sides and to flare outwardly on two opposite sides and said flared sides slit for a predetermined distance to provide a pair of laterally disposed ears on both of said flared sides; flat plates arranged in parallel spaced relation in said slits transversely of the casing with the ends of said plates arranged between the ears and providing a straight line discharge orifice; means coacting with said ears and with the ends of said plates whereby the wall of the casing is drawn into snug relation with said plates and the latter removably held in place; and means in the casing whereby a turbulence in the sand-stream passing through the casing is produced.

2,039,939
COMBINED LUGGAGE CARRIER AND SEAT
Ram Swarup Shahu, Fatehgarh, British India
Application February 26, 1934, Serial No. 712,944
In British India May 25, 1933
1 Claim. (Cl. 224—29)

A combined unit for attachment to the back of a car body comprising, a first frame fixed to the car body, a second frame hinged to the first frame adapted to be removed from a horizontal to an upright position, a box carried by the first frame and having a removable section forming a part thereof, latch members on said removable section and said second section to retain said second frame in upright position, a seat comprising a leg and a seat portion on the latter of which the

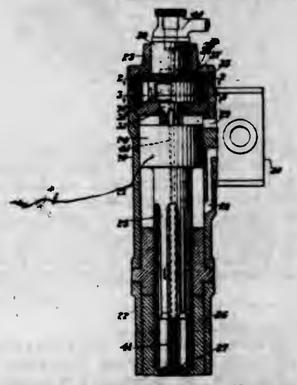


removable box section may be mounted as a protection for the passengers, a hinged connection between one end of said leg portion and the seat portion, a hinged connection between the other end of the leg portion and the second frame, and means for maintaining the leg portion at right angles to the second frame and the seat portion at right angles to the leg portion.

2,039,940
PREVENTIVE INOCULATION, MORE PARTICULARLY FOR PERITONITIS
Bernhard Steinberg, Toledo, Ohio, assignor to Toledo Hospital, Toledo, Ohio, a corporation of Ohio
No Drawing. Application April 25, 1934, Serial No. 722,317
1 Claim. (Cl. 167—78)

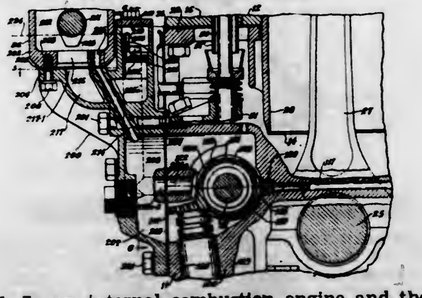
A composition of matter suitable for injection for inducing resistance against peritonitis comprising killed colon bacilli in an aqueous suspension of gum tragacanth.

2,039,941
LOCKING DEVICE
Edward F. Terry, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application October 10, 1934, Serial No. 747,723
4 Claims. (Cl. 121—7)



1. In a locking device, the combination of a rock drill casing, a toothed ratchet ring therein, and means in the casing in constant engagement with the teeth of the ratchet ring for holding said ratchet ring in fixed position in the casing.

2,039,942
INTERNAL COMBUSTION ENGINE AND FUEL PUMP APPARATUS THEREFOR
Otis D. Treiber, Canton, Ohio, assignor to Hercules Motors Corporation, Canton, Ohio, a corporation of Ohio
Application October 17, 1933, Serial No. 693,939
10 Claims. (Cl. 123—196)



1. In an internal combustion engine and the like, walls forming two reservoirs, a lubricating chamber, a delivery passageway communicating between one of the reservoirs and the interior of the lubricating chamber, and a discharge passageway having one end opening into the other reservoir, and passageway means providing a communication between the lubricating chamber and the other end opening of the discharge passageway and operative to maintain lubricant in the lubricating chamber at a predetermined level.

2,039,943
LOCKED SAFETY JOINT
Harry P. Wickersham and Harley J. Craig, Los Angeles, Calif.
Application July 1, 1935, Serial No. 29,200
10 Claims. (Cl. 255—28)

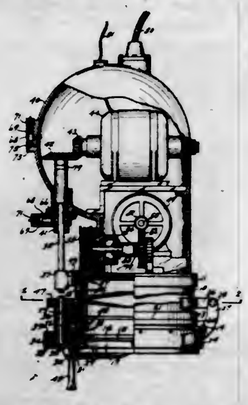


1. A safety joint comprising a tubular sleeve carried by one section of drill string, a mandrel carried by another section of drill string and telescoping into the sleeve, a lock sleeve slidably mounted within the tubular sleeve and splined thereto for limited longitudinal movement, and a threaded connection between the mandrel and the lock sleeve whereby the parts of the joint may be held in assembled relation to each other.

2,039,944
METHOD OF AND DEVICE FOR DEEP SEA DREDGING
John C. Williams, Oakland, Calif.
Application March 28, 1934, Serial No. 717,808
24 Claims. (Cl. 37—56)

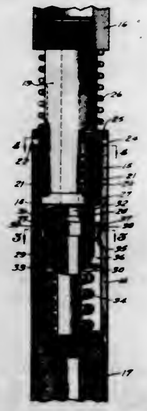
1. A submarine dredge, in combination, sludge

receiving means and sealing means therefor including sludge retaining means and releasing means for the retaining means, boring means and driving means including an enclosure therefor, and means actuated by the external water pressure for maintaining said driving means



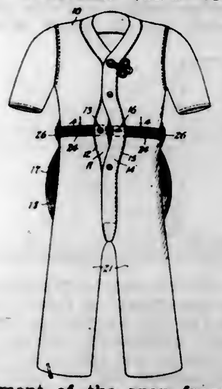
against ingress of water thereto, anchoring means for maintaining said receiving means against axial rotation relative to a sub-surface, and flexible raising and lowering means for said dredge.

2,039,945
LOCKED DRILLING SAFETY JOINT
Harry P. Wickersham, Huntington Park, Calif., and Harley J. Craig, Houston, Tex.
Application July 1, 1935, Serial No. 29,208
10 Claims. (Cl. 255—28)



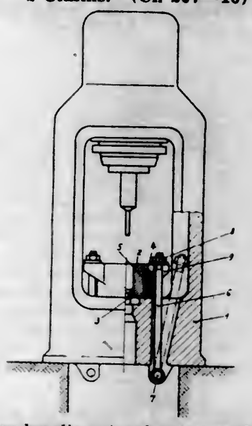
1. A safety joint comprising a box member carried by one drill string section, a pin member carried by another drill string section and telescoping into the box, a lock sleeve splined upon the pin for longitudinal movement with relation thereto and having threaded engagement with the box, interengaging means between the pin and the box normally acting to hold the pin and the box against rotation with relation to each other, and yieldable means for permitting disengagement of said holding means and to allow the threaded connection between the lock sleeve and the box to be disengaged by rotation of the pin and the sleeve.

2,039,946
DROP SEAT GARMENT
Morris Wolf, New York, and Louis Reider, Yonkers, N. Y.
Application March 9, 1935, Serial No. 10,280
2 Claims. (Cl. 2—78)



2. A garment of the open front type having the usual buttons at one side of the opening and buttonholes therein at the opposite side of the opening, also having a drop seat, and elastic straps arranged at opposite sides of the garment, each strap having one end secured to the seat at the top, the front end of one strap taking the securing means of one of the buttons, and the front end of the other strap being secured to the garment and having a buttonhole therein in registry with one of said holes which receives said button.

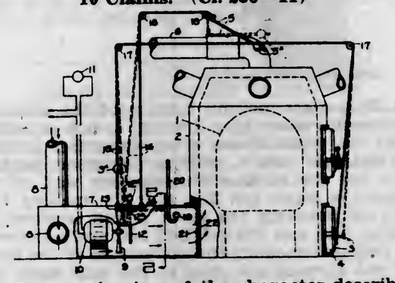
2,039,947
HYDRAULIC PRESS FOR EXTRUDING METAL RODS OR TUBES
Heinrich Albers, Dusseldorf, Germany, assignor to Schloemann Aktiengesellschaft, Dusseldorf, Germany, a corporation of Germany
Application December 1, 1934, Serial No. 755,561
In Germany December 18, 1933
2 Claims. (Cl. 207—16)



1. In a hydraulic extrusion press, the combination with the press-frame, of a billet container comprising a billet receiving inner part and a jacket surrounding the same, heating means located in a space between said inner part and said jacket, and elongated bolts having their one ends

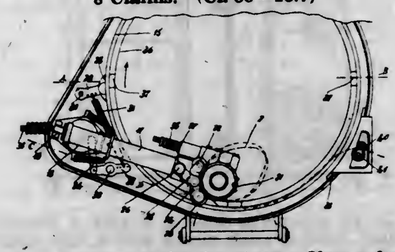
pivotally mounted on the lower part of said frame at a point remote from said container, the other ends of said bolts being adapted to engage said jacket at a point away from the lower part of said frame, the intermediate portions of said bolts being out of engagement with said container and said frame.

2,039,948
COMBINED AIR CIRCULATOR AND DRAFT REGULATOR FOR HOT AIR FURNACES
Millard Whyte Best, Hamilton, Ontario, Canada
Application January 26, 1935, Serial No. 3,598
10 Claims. (Cl. 236—11)



6. In a mechanism of the character described, the combination with the draft and check dampers of a hot air furnace and the air heating casing thereof having a cold air inlet, of means directly actuated by the impingement of the incoming cold air thereon for actuating the draft damper into an open position and the check damper into a closed position.

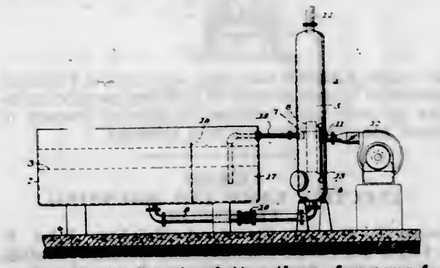
2,039,949
ROLLING DEVICE FOR FILMS
Mathieu Jean Albert Bombrun, Paris, France
Application June 5, 1933, Serial No. 674,324
In France April 3, 1933
8 Claims. (Cl. 88—18.7)



2. In a rolling device for cinema films a frame, a drum loosely mounted on said frame, an arm pivoted on said frame, a winding friction roller carried by said arm, rotatable within said drum, a brake-block pivoted on said frame, and acting on said drum and means connecting said brake-block to said arm in such a way that the braking action increases as the quantity of the rolled film increases.

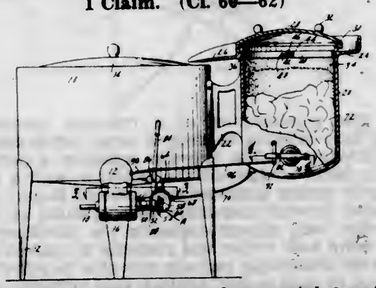
2,039,950
APPARATUS FOR EFFECTING INTIMATE CONTACT BETWEEN LIQUIDS AND GASES
Willard P. Chandler, Jr., Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application November 2, 1934, Serial No. 751,167
4 Claims. (Cl. 261—75)

1. Apparatus for conducting chemical processes involving treating a liquid with a gas comprising a liquid and gas contact unit for effecting intimate contact between the liquid and gas, a liquid reservoir, means for continuously supplying liquid from said reservoir to said unit, means for passing gas through said unit in contact with liquid



therein to effect a circulation thereof, means for continuously returning liquid circulated by the passage of gas through said unit to said reservoir, and means for returning gas passing through said unit for recirculation therethrough.

2,039,951
PRESS CHAMBER CONTROLLING MEANS
Ambrose W. Cocks, Des Moines, Iowa, assignor of one-half to Mathew H. Schaffer, Des Moines, Iowa
Application July 5, 1932, Serial No. 620,808
1 Claim. (Cl. 60—62)



Means for developing and accurately controlling the pressure within a press chamber comprising a compressor, a connection between a point of said press chamber and the outlet of said compressor for developing pressure in the chamber and a controlling device for controlling such pressure comprising a motor, a clutch connection between said motor and said compressor, means tending to disengage said clutch, said clutch being manually engageable, a latch to retain it engaged, means for releasing said clutch comprising a plug, said press chamber having an opening remote from said mentioned point thereof for said plug to seat against and resilient means to retain said plug seated till the pressure in said chamber overcomes the tension of said resilient means and unseats said plug relative to said opening, said plug being associated with said latch to unlatch it when said plug is unseated.

2,039,952
CLOSURE
John H. Donnelly, Elmhurst, N. Y.
Application September 11, 1933, Serial No. 688,931
6 Claims. (Cl. 221—60)

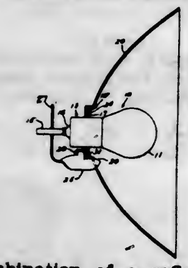
2. Closure means for a container for fluent material having an externally threaded neck por-

tion including a cap member internally threaded to engage said neck portion and provided with an opening surrounded by a seat, a valve member arranged to engage said seat, spring means urging



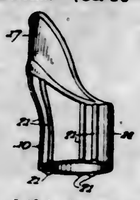
the valve towards the seat, and means rendered operative by movements of said cap member relative to said neck portion to prevent escape of fluent material through said opening.

2,039,953
ELECTRIC LAMP AND MOUNTING THEREFOR
John T. Fagan, Cleveland Heights, John F. Donovan, East Cleveland, and Frank J. Malloy, University Heights, Ohio, assignors to General Electric Company, a corporation of New York
Application June 14, 1933, Serial No. 675,660
2 Claims. (Cl. 240—41)



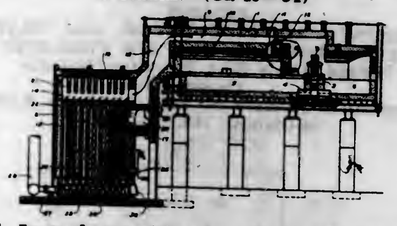
1. The combination of a reflector having a lamp base opening therein, a lamp comprising a base having a collar thereon engaging a portion of the inner surface of the reflector, and a plurality of spring actuated engagement fingers distributed around said lamp base opening of said reflector, said fingers engaging the periphery of said lamp base collar and pressing it against said reflector and being radially movable to allow insertion of said collar against said reflector.

2,039,954
HEEL AND HOSE PROTECTOR
Carl John Fricker, New York, N. Y., assignor of thirty per cent to George H. Callaghan, New York, N. Y., and ten per cent to David Pelton Moore, Avon Park, Fla.
Application July 14, 1932, Serial No. 622,522
2 Claims. (Cl. 36—70)



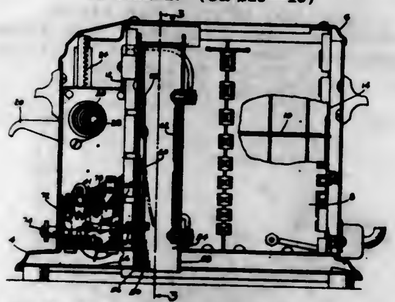
1. A protector of this type, including an elastic heel encircling member, a substantially crescent shaped flap integral with and projecting from and substantially in line with a portion of the upper edge thereof, said flap being provided with means at the junction of the member and flap which when the flap is bent outwardly of the member will cause the flap to assume an inverted scoop shape.

2,039,955
METHOD OF AND APPARATUS FOR MELTING GLASS
Paul L. Geer, Bellevue, Pa., assignor to Amco, Incorporated, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 9, 1932, Serial No. 616,176
9 Claims. (Cl. 49—54)



1. In a glass melting furnace of the continuous recuperative type having a non-reversing flame the combination which comprises a melting chamber and a working chamber, heating ports for the furnace entering one wall of the furnace, a waste gas flue over the melting furnace for removing the gases, a wall between the melting end and the refining end and a depending wall intermediate the extremities of the melting end forming the inlet to the said waste gas flue, the said walls being offset vertically and horizontally to form a vertical flue and a heat shield to reduce the temperature of the glass in the working chamber.

2,039,956
AUTOMATIC TOASTER
Maurice H. Graham, St. Louis Park, Minn.
Application September 19, 1932, Serial No. 633,765
13 Claims. (Cl. 219—19)



1. In an automatic toaster having a toasting chamber, toast heating means within said chamber, and means for supporting a bread slice in position to be toasted by said toast heating means, a heater operated simultaneously with said toast heating means and positioned outside of said toasting chamber, said heater being mounted and positioned so as to set up an air draft when heated, a thermally responsive device subject to the heat from said heater and located in the draft created thereby, and means associated with said thermally responsive device for terminating the toasting of the bread slice.

2,039,957
ELECTRIC SWITCH DEVICE
Arthur Hall, Indianapolis, Ind., assignor to Yaxley Manufacturing Company, Indianapolis, Ind., a corporation of Indiana
Application March 22, 1934, Serial No. 716,762
7 Claims. (Cl. 200—166)

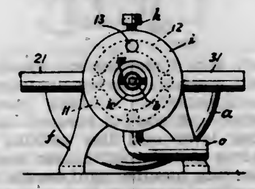
6. In an electrical device, the combination comprising an electrical contact finger formed from

a strip of metal having a U-shaped mid-portion, said strip having greater width than thickness at least in said mid-portion, and a base of sheet insulating material having an I-shaped hole there-



in, said contact finger being mounted on said base with the legs of said U-shaped portion received in the cross-slots of said hole.

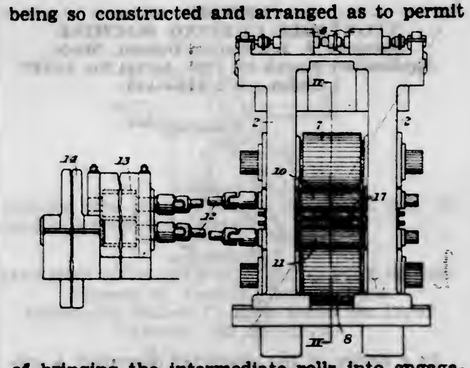
2,039,958
MILKING-MACHINE PULSATOR
Cyrus Howard Hapgood, Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application May 24, 1932, Serial No. 613,219
4 Claims. (Cl. 31—61)



1. A pulsator for milking machines comprising an oscillating motor, an oscillating valve connected to and operated by the motor, a valve block having a valve seat and provided with a vacuum port opening in the valve seat, the valve having two opposite arcuate recesses one of which constantly communicates with only said vacuum port, the pulsator having an air port, the other recess being in constant communication with only the air port, the valve block having a pulsation port so positioned that it registers with one valve recess during the latter part of the movement of the valve in one direction and during the first part of the movement of the valve in the other direction, while it registers with the other valve recess during the latter part of the movement of the valve in the last named direction and during the first part of the movement of the valve in the first named direction, whereby the time intervals of high and low pressure pneumatic pulsation may be definitely predetermined regardless of inequality in the two semi-oscillatory periods of the motor and valve.

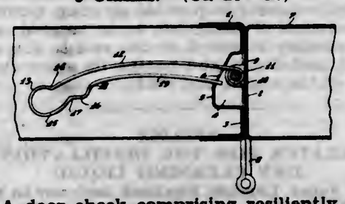
2,039,959
ROLLING MILL
Lorenz Iversen, Pittsburgh, Pa., assignor to Mesta Machine Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 28, 1933, Serial No. 704,344
8 Claims. (Cl. 80—38)

1. A rolling mill comprising housings having windows, bearing means in the housings, a pair of working rolls, a pair of backing rolls of larger diameter, the backing rolls being supported by said bearing means, a roll intermediate each working roll and its backing roll, and means for adjusting the bearing means toward or away from one another, the working rolls being removable from the mill and the adjusting means being so constructed and arranged as to permit



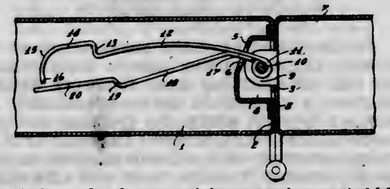
of bringing the intermediate rolls into engagement with one another.

2,039,960
AUTOMOBILE DOOR CHECK
Rex C. Jacobs, Detroit, Mich., assignor to F. L. Jacobs Company, Detroit, Mich., a corporation of Michigan
Application May 25, 1935, Serial No. 23,352
6 Claims. (Cl. 16—82)



1. A door check comprising resiliently flexible material having a retainer receiving means at one end, a yieldable enlargement at the other end of said check and adapted to engage the side walls of an opening to normally prevent the check being drawn through said opening, said enlargement being yieldable to the extent that it becomes compressed in the presence of extraordinary pressure whereby it passes through said opening and resilient to the extent that it returns to its original form after it has passed through said opening.

2,039,961
DOOR CHECK
Rex C. Jacobs, Detroit, Mich.
Application July 29, 1935, Serial No. 33,637
4 Claims. (Cl. 16—85)



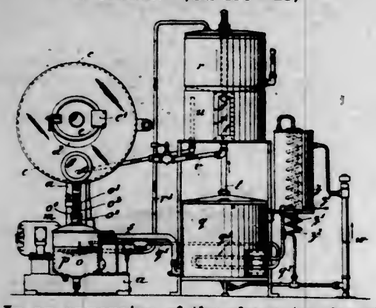
1. A door check comprising a spring metal blank bent to provide a pin retaining means, tensionally resilient means extending outwardly from said retaining means and having an abutment at its outer end, laterally resilient means united with said abutment, and a laterally yieldable strip connected at one end to said tensionally resilient means and having its other end adapted for engagement with said laterally resilient means.

2,039,962
VEGETABLE CUTTING MACHINE
Damians J. Jokubaitis, Detroit, Mich.
Application March 29, 1935, Serial No. 13,687
1 Claim. (Cl. 146—116)



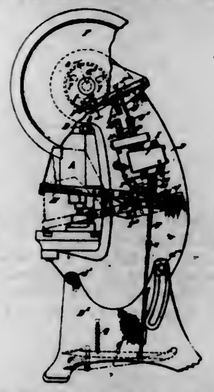
In a device of the character described, a substantially conically shaped casing, a bracket supporting said casing, a shaft loosely journalled in said bracket and extending into said casing, a substantially conical shaped cutter demountably mounted on said shaft within said casing, a shield attached to the open end of said casing and having bent portions coinciding with a depressed portion of said casing to provide a chute, said shield covering a substantial portion of the lower part of the open end of said casing and being formed outwardly thereof to provide an open mouth for the reception of materials to be treated, and a strap member attached at one end to the upper edge of said shield and having its other end received on the end of said shaft.

2,039,963
APPARATUS FOR THE DISTILLATION OF DRY CLEANING LIQUID
Alfred Jones, London, England, assignor to W. M. Still & Sons Limited, London, England
Application March 30, 1934, Serial No. 718,159
In Great Britain August 11, 1933
2 Claims. (Cl. 196—15)



1. In an apparatus of the character described, cleansing liquid recovery means comprising, a main still for distilling dirty cleansing liquid, a condenser, a connection between said still and condenser through which the distillate can pass, a supplementary still, between the main still and the supplementary still, a pump adapted to withdraw the residue from the main still and deliver it into the supplementary still and an open connection between the bottom of the main still and the top of the supplementary still, said open connection serving as a condensing device for distilled vapour from the supplementary still and as a return for the condensate to the main still and to permit residual liquid in the main still passing into the supplementary still when the heating of the latter is stopped.

2,039,964
SAFETY GUARD MECHANISM FOR POWER DRIVEN PRESSES AND OTHER MACHINES
John C. Junkin, Louisville, Ky., assignor of one-fourth to Walter R. Wuest and one-fourth to John H. Wuest, both of Louisville, Ky.
Application April 19, 1934, Serial No. 721,406
19 Claims. (Cl. 192—134)



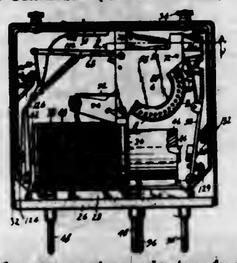
1. A safety guard mechanism applicable to a power driven machine having an intermittently operated reciprocatory working member, an operating lever and control connections between the operating lever and the working member: the said safety guard mechanism comprising a movable guarding member and means connected to said guarding member and arranged to be included in the control connections between the operating lever and working member, said means including a detachable member adapted for connection to the operating lever and operative under control of the guarding member to disconnect said operating lever from the control connections during the return movement of the guarding member to its nonguarding position.

2,039,965
BARREL GAUGE CONSTRUCTION
Harry W. Lees, Shaker Heights, and Walter C. Grosser, Cleveland, Ohio, assignors to The Draper Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 24, 1934, Serial No. 758,968
6 Claims. (Cl. 73—129)



1. Gauge construction for a sealed container, including a wall having a gauge socket secured thereto, said socket being provided with a passage therethrough, a removable gauge rod extending through said passage, means on the socket and gauge rod for releasably securing said gauge rod to said gauge socket in liquid-tight sealing relation, and a spring pressed plunger closing said gauge passage when said rod is removed.

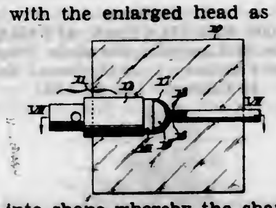
2,039,966
SELECTOR
Marshall L. Lockhart, Des Moines, and Edward E. Postel, Cleghorn, Iowa
Application December 29, 1933, Serial No. 703,238
6 Claims. (Cl. 177—353)



6. In a code responsive selector included in a circuit having short impulses of current flowing therethrough, a lock-up element, a code element and a control element each having means for biasing it to a normal position, electromagnetic means for moving said elements comprising an armature responsive to any impulses of current in said circuit and operative connections for advancing the lock-up element and the code element upon each actuation of the armature, a second armature responsive only to long impulses in said circuit and operative connections whereby said second armature advances the control element upon each actuation thereof provided the first armature has moved the code element to a position corresponding to one of the code numbers for which the selector is set, means for preventing further movement of the lock-up element after a predetermined movement thereof by repeated actuation of the first armature only and for preventing return movement of the lock-up element, means operated by the lock-up element in its stopped position for causing the return of said code element and said control element to normal position and for preventing advancement of said code element upon further actuation of said first armature and means operated by the second armature for returning the lock-up element to normal whereby the code element may be thereafter advanced by either long or short impulses and the control element may be advanced to control position by long impulses occurring in proper combination between the short impulses while the lock-up element is prevented from reaching its lock-up position by the long impulses in the code combination.

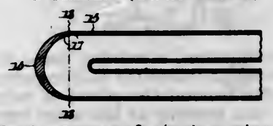
2,039,967
METHOD OF MANUFACTURING PIPE CAPS
Thomas W. Lowe, Columbus, Ohio
Application March 27, 1935, Serial No. 13,247
2 Claims. (Cl. 29—157.6)

1. A method of manufacturing pipe caps of the character described which consists in heating a metal bar, upsetting the end thereof to form an enlarged head, and die-forging said enlarged head to mould and transform the same, to the shape of a rounded cap, incidentally pinching the bar shank about its longitudinal axis at its juncture with the enlarged head as the cap is



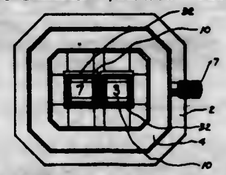
rounded into shape whereby the shank may be readily severed from the cap.

2,039,968
METHOD OF MANUFACTURING PIPE BENDS
Thomas W. Lowe, Columbus, Ohio
Application March 27, 1935, Serial No. 13,248
1 Claim. (Cl. 29—157.6)



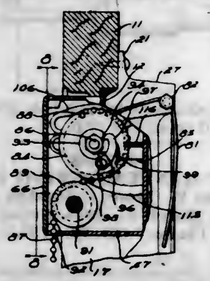
A method of manufacturing pipe bends for superheaters or the like which comprises heating a pair of pipe sections, forging the ends of said pipe sections with incidental slitting of the wall of each pipe section longitudinally and displacement of the metal to merge the pair of pipe sections into a return bend body having a single opening at the end thereof, the longitudinal slit extending for a relatively short distance from the end of each pipe section as compared to the diameter of the pipe section, trimming the edges of the body at said opening, and welding a cap to said edges.

2,039,969
GAME DEVICE
Robert D. McIntosh, River Forest, Ill., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill.
Application September 10, 1934, Serial No. 743,389
6 Claims. (Cl. 273—143)



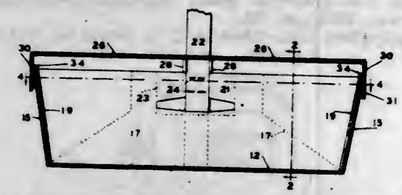
1. A game device comprising a base supporting the moving parts and a cover therefor, a pair of charactered ferrous discs of spoke-like construction, individually supported by pin contact bearings mounted on arms extending upward from the base, a rod rotatively mounted on said arms parallel to the points of contact of said bearings, levers rigidly attached to said rod carrying resilient cushions in traversing contact with said discs and operable, by means of a handle fixed to said rod, to respectively rotate said discs, said cushions of different lengths and compressibilities to produce unequal rotative impulses on said respective discs, said cushions of elastic character operable on release to add rotative impulse to said discs, a horseshoe magnet operable by magnetic attraction on the spoke-like portion whereby the discs stop relatively in some one of a combination of positions, the circuit of said magnet continuously closed by a soft iron bar mounted between its poles, said discs mounted on shafts and having bearing hollows of dimension greater within than at the bearing point to serve as oil reservoirs.

2,039,970
WINDOW VENTILATION APPARATUS
Allen McLaughlin, Ferndale, Mich.
Application February 5, 1932, Serial No. 591,039
10 Claims. (Cl. 98—94)



1. In combination, a window pane having an opening therein, a frame for said opening projecting outwardly beyond the plane of said pane, a closure for said opening at the outer extremity of said frame and movably associated therewith, a motor supported by said frame, a fan supported by said motor outwardly beyond the plane of said pane and with its outer edges approximately in the plane of the outer edges of said frame, whereby the centrifugal effect of the fan on the air enhances the efficiency of the fan, and means for operating said closure.

2,039,971
BASKET
John W. Meinhardt, St. Louis, Mo., assignor to St. Louis Basket & Box Corporation, St. Louis, Mo., a corporation of Delaware
Application February 4, 1935, Serial No. 4,750
7 Claims. (Cl. 229—52)

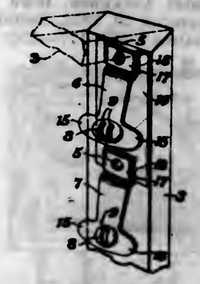


1. A container comprising a bottom panel, side panels carried by said bottom panel, end panels carried by said bottom panel, liners carried by said side panels and folded over approximately parallel therewith, flaps carried by said end panels and positioned between the side panels and their liners, and a pair of end liners carried by each side liner, the edges of said end liners abutting against each other to lock the side liners in position.

2. A container comprising a bottom panel, side panels carried by said bottom panel, end panels carried by said bottom panel, liners carried by said side panels and folded over approximately parallel therewith, each of said liners being provided with a slot, and a handle provided with cross pieces insertable through said slots, the cross pieces and the lower ends of the handle being clamped between the side panels and the liners.

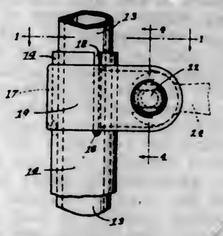
4. A container comprising a bottom panel, side and end panels, said end panels being composed of two-ply material unconnected at their upper edges, a handle carried by the side panels, a cover having slots adapted to engage said handle, spacing tabs adjacent the handle, spacing members at the ends of the cover, and tabs carried by the spacing members adapted to enter between the plies of material of the end panels.

2,039,972
WINDOW SHADE FITTING
Marguerite E. Moore, New York, N. Y.
Application December 27, 1933, Serial No. 704,087
1 Claim. (Cl. 248—268)



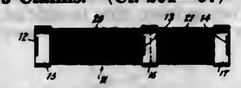
A window shade fitting having the combination of a plate adapted to be secured to the window frame, a plate comprising a vertical portion and a springy portion which had been bent away therefrom no further than to a plane which forms an acute angle with said vertical portion, said springy portion having a bearing for the reception of the shade roller journal, and said first plate having means for the interchangeable reception and removal of said vertical portion.

2,039,973
CLAMP
Erving B. Morgan, Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application December 22, 1933, Serial No. 703,634
2 Claims. (Cl. 287—58)



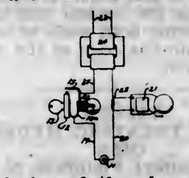
1. In combination, tubular members of generally triangular form, of which the inner member extends downwardly into the outer member and the upper end of the outer member has longitudinal slots whereby said upper end may be reduced to clampingly engage the inner member, and a split band clamp embracing the slotted upper end of the outer member, having a struck-up inwardly offset lug on its embracing portion and extending into one of the slots of the outer member to prevent downward sliding movement of the clamp beyond the lower ends of the slots of the outer member, clamping screws extending inwardly through the end portions of the clamp, and a turnbuckle sleeve between the end portions of the clamp and engaging the said clamping screws for regulating the tension of the clamp.

2,039,974
RESISTANCE UNIT
John J. Mucher, Brooklyn, N. Y.
Application April 17, 1935, Serial No. 16,909
3 Claims. (Cl. 201—67)



1. In a resistance unit of the character described, a plurality of resistance elements arranged in a group end to end, each element having a base and a winding of resistance wire extending from substantially one end to the other said resistance elements abutting in actual alignment, a terminal positioned at the respective ends of said group of resistance elements, and an intermediate terminal positioned to straddle the abutting ends of the respective elements, each of said intermediate terminals having a base partly encircling and gripping the respective ends of two elements acting to mechanically and electrically connect said elements.

2,039,975
DOOR SIGNAL DEVICE
Carl G. Nieto, Detroit, Mich.
Application December 31, 1932, Serial No. 649,676
2 Claims. (Cl. 177—339)



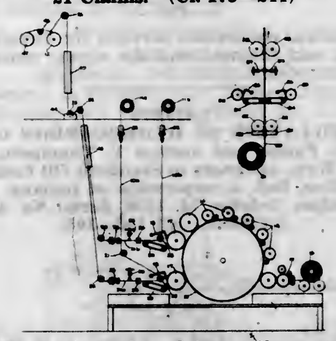
1. In a device of the character described, a main casing having an opening, a key operated lock switch including a casing mounted within said main casing, a lamp within said main casing visible through said opening, a bracket secured to said casing of said lock switch for supporting said lamp and electrically connected to one terminal of said lamp, a contact member carried by and electrically insulated from said bracket and electrically connected to the other terminal of said lamp to be contacted by a member projected by said lock to form a shunt circuit around said lamp, a push button switch, and an audible electric signal circuit within which said contact member, lamp, bracket and push button switch are connected in series.

2,039,976
SEPARABLE FASTENER
Samuel H. Norton, Meadville, Pa., assignor to Hookless Fastener Company, a corporation of Pennsylvania
Application October 19, 1931, Serial No. 569,700
2 Claims. (Cl. 24—205)



1. In a multiple interlocking fastener, a pair of fastener stringers, a separable end connection for said stringers comprising a socket forming member attached to one stringer and providing a longitudinally extending socket closed at its bottom end, a longitudinally extending pin attached to the other stringer, the walls of said socket being split, and cooperating indentations and projections on said pin member and the walls of said socket adapted to snap into engagement and resiliently hold the pin in inserted position.

2,039,977
INSULATION
Carl F. Obermaier, York, Pa., assignor to General Electric Company, a corporation of New York
Application March 23, 1932, Serial No. 600,648
21 Claims. (Cl. 173—244)



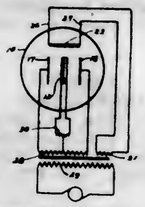
9. The method of applying a fibrous material to a filamentary member and the like which consists in advancing said member in a predetermined direction, covering said member with an adhesive as it advances, advancing fibres of said material along a curved path of motion arranged in the plane of movement of said member so that the path of motion of said member is substantially tangent to said curved portion of said path of motion whereby said member contacts said path of fibres at but a single point where said fibres are brought in contact with said adhesive and picked up thereby and advanced with said filamentary member and then subjecting said fibres to a vaporous condensing medium.

10. Apparatus for applying fibrous material to a member comprising means for applying an adhesive to said member, means for receiving and carding said fibrous material, an endless conveyor for receiving the carded fibres from said carding means and for conveying them in a free stream from said carding means through a curved path of motion and means for advancing said member on a path lying in the plane of movement of said endless conveyor and substantially tangent to said curved portion of said path so that said member contacts said stream of fibres only at said curved portion where the carded fibres carried by said conveyor are picked up from said conveyor by the adhesive on said member.

2,039,978
ELECTRIC DISCHARGE LAMP
Ekko Oosterhuis and Gustav Zecher, Eindhoven, Netherlands, assignors to General Electric Company, a corporation of New York
Application September 3, 1931, Serial No. 561,040
In the Netherlands September 11, 1930
3 Claims. (Cl. 176—1)

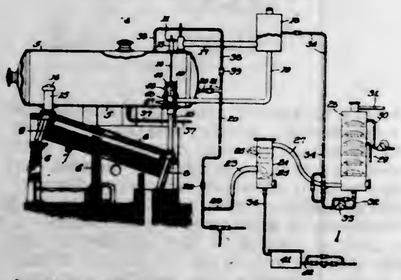
1. An electric lamp comprising a pair of solid electric discharge electrodes, a filament connected in multiple and disposed between said electrodes and another filament adapted to be heated to incandescence to provide illumination

and disposed out of line with said electrodes, said second-mentioned filament being connected to a source of electrical energy separate from that to which said electrodes are connected, there being



no electrical connection between the circuit containing said filament and the circuit containing the electrodes.

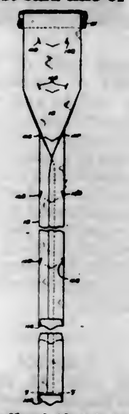
2,039,979
DISTILLATION OF HYDROCARBON OILS
Max G. Paulus and Andrew E. Thompson, Casper, Wyo., assignors to Standard Oil Company, Whiting, Ind., a corporation of Indiana
Application October 16, 1930, Serial No. 489,197
3 Claims. (Cl. 196—168)



2. Apparatus for effecting distillation of hydrocarbon oils, comprising a still chamber, a conduit for withdrawing oil from said still chamber, said conduit protruding upwardly from the bottom wall of said still chamber to a point intermediate the top and bottom walls thereof and below the oil level therein, a sleeve surrounding the protruding portion of said first conduit in a spaced relationship thereto, said sleeve being open at both the upper and lower ends and extending from a point substantially below the mouth of said conduit to a point above the oil level in the still chamber in the initial stages of operation, whereby oil below the mouth of said conduit in the initial stages of operation will be directed into the mouth of said conduit through the opening in the lower end of said sleeve, and means for supplying heated oil to said still chamber at a point remote from said conduit to raise the level of oil therein after the initial stages of operation, whereby the oil reaches a level at least as high as the opening in the upper end of said sleeve and flows therethrough to the mouth of said conduit.

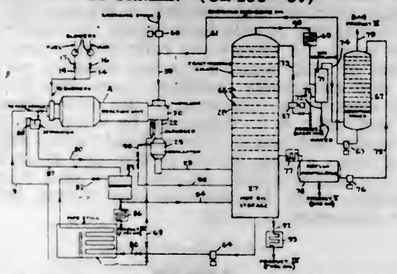
2,039,980
MACHINE AND PROCESS FOR MAKING BAGS
George W. Poppe, Brooklyn, N. Y., assignor to Equitable Paper Bag Co., Inc., Brooklyn, N. Y., a corporation of New York
Application September 30, 1932, Serial No. 635,533
4 Claims. (Cl. 93—35)

4. In the making of bags those steps which consist in making non-rectilinear cuts in a web, folding the web into a bag tube so that said cuts are central of one wall thereof, severing the tube into bag lengths by transverse cuts, the line of severance of the tube wall having the central cuts therein being along a line which meets the outer ends of said cuts, the line of severance of the other wall being from side to side of the tube and offset from the first said line of severance so that



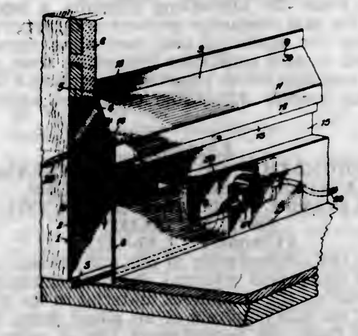
the edge of the wall of the tube which has been severed from side to side projects beyond the edge of the wall having the central cuts therein, and subsequently severing both walls of a bag length along a line within the edge of the wall having central cuts therein.

2,039,981
PROCESS FOR TREATING HYDROCARBON OILS
Ernest Wayne Rembert, Plainfield, N. J., assignor of three-fourths to Tide Water Oil Company, Bayonne, N. J., a corporation of New Jersey
Application July 22, 1932, Serial No. 623,977
11 Claims. (Cl. 196—67)



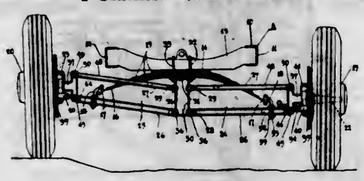
1. A continuous vapor-phase process for effecting thermal conversion of hydrocarbon oils, which comprises intimately mixing the material to be converted with hot gas and thereby heating the hydrocarbons to a predetermined converting temperature, conducting the mixture of gas and hydrocarbon vapor through a reaction chamber where conversion is effected, then immediately quenching the mixture sufficiently so that the reactions are definitely arrested, this being accomplished by spraying the mixture with cool oil, then spraying the mixture with hot oil the temperature of which approximates the temperature resulting from the quench, agglomerating fog particles and separating the same, together with any lampblack, from the gases and vapors, and only after this has been accomplished passing the vapors and gases to a reflux fractionating treatment.

2,039,982
MOLDING AND MOVABLE BASE RECEPTACLE
Warren G. Schaller, New York, N. Y.
Application April 8, 1933, Serial No. 665,198
13 Claims. (Cl. 247—3)



1. A molding and movable outlet comprising a hollow molding having an opening therein extending from one end to the other thereof, an electric outlet carried by said molding and extending through said opening, and a flexible cable wholly within said hollow molding for connecting said outlet to a source of current one end of said cable moving with said outlet.

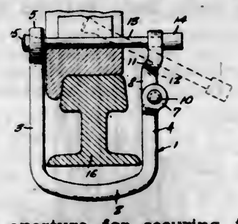
2,039,983
VEHICLE CONSTRUCTION
Robert P. Schlirf, St. Paul, Minn.
Application March 5, 1934, Serial No. 714,056
4 Claims. (Cl. 267—19)



1. In a vehicle having a transverse frame member, a bearing block depending from said frame member, opposed sets of upper and lower parallel links underlying said frame member and pivoted at their inner ends to said block, a semi-elliptical spring interposed intermediately thereof between said frame member and bearing block and disposed with its end portions curved downwardly beneath the upper links, means for clamping the spring to said frame member, said means including said bearing block as an element thereof, shackles connecting the ends of said spring with said lower links, a bracket pivoted to the outer ends of the parallel links of each set, a wheel mounted on each bracket, said lower links being underslung from their respective wheels through their respective brackets.

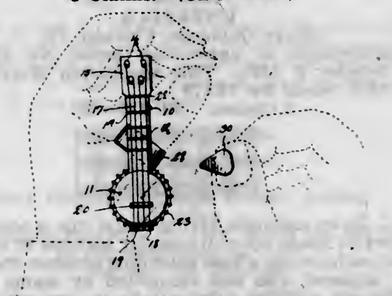
2,039,984
CAR LOCK FOR MINE CARS
Joseph W. Smith, Stanaford, W. Va.
Application July 22, 1935, Serial No. 32,637
2 Claims. (Cl. 188—62)

1. A wheel fastener comprising a clevis arranged under and transversely of a rail of a track and having one end apertured, and a pin pivotally and slidably connected to the clevis and adapted to extend through a car wheel and



through the aperture for securing the wheel against turning on the rail.

2,039,985
MUSICAL INSTRUMENT
Edmond O. Smullin, Clay Center, Kans.
Application July 25, 1935, Serial No. 33,182
3 Claims. (Cl. 84—267)

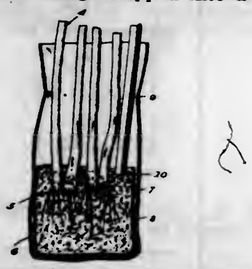


3. An instrument comprising an elongated neck, a plurality of spaced apart frets on one side of the neck whereby to provide a finger board, a nut extending transversely across the neck at the upper end thereof, a peg block integral with the neck at the upper end thereof, pegs in said peg block, a hollow body at the inner end of the neck, means for securing the body to the inner end of the neck, said hollow body comprising a substantially flat top and a marginal flange, a bracing bar extending diametrically across the hollow body, means for securing one end of the bracing bar to the inner end of the neck, a U-shaped member integral with the other end of the bracing member for engaging said flange, said U-shaped member having a plurality of string receiving openings in one leg thereof, strings threaded through said openings and engaging over said nut, a U-shaped bridge piece interposed between the top of the body and said strings, and a resilient clamp carried by the underside of the neck to detachably mount the device on a supporting means.

2,039,986
WATERING TUBE DEVICE FOR PACKAGED PLANTS, SHRUBS, ETC.
Clark E. Gardner, Osage, Iowa
Application September 28, 1935, Serial No. 42,701
1 Claim. (Cl. 47—38)

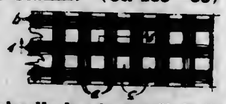
A plant package comprising a growing plant having its roots growing in soil and the stalks or stems thereof extending an appreciable distance beyond the soil, an inner container of pliable material holding the rooted soil, an outer or bag like container enclosing said pliable inner container and an appreciable portion of the stalks or stems, and an open ended tube lying substantially parallel with the stems of the plant and having its lower end penetrating the rooted soil

for an appreciable distance for irrigating purposes; the whole being wrapped into a unitary



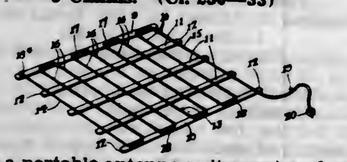
structure and constituting a self contained parcel for commercial shipment, substantially as set forth.

2,039,987
UMBRELLA
Harry Goldman, Chicago, Ill.
Continuation of application Serial No. 44,218, October 9, 1935. This application March 24, 1936, Serial No. 70,679
2 Claims. (Cl. 135—33)



1. In an umbrella having radial ribs, a covering therefor made up of triangular sections of material each having a base extending between the tips of adjacent ribs and connected by seams with adjacent sections substantially in line with the ribs, the covering being formed of a textile material in whose structure are comprised two sets of relatively inelastic fibrous closely adjacent strands disposed in groups which are relatively widely spaced, there being a translucent relatively elastic composition applied to the strand fibers and extending between them and the intervening meshes in the form of a web and covering over the fibers on all sides to provide for the textile material a protecting film on each of its opposite surfaces, the two sets of fibrous strands being interwoven with each other, one set being disposed parallel to the base of each triangular section of the covering and the other set being disposed perpendicular thereto in each section whereby each covering section is rendered elastic along its bias, so as to elastically yield lengthwise along its seams only and flex inwardly transversely between the ribs where resistance to stretch is greatest when stretched taut by said ribs.

2,039,988
RADIO ANTENNA UNIT
Walker Coleman Graves, Jr., San Francisco, Calif.
Application September 30, 1935, Serial No. 42,912
3 Claims. (Cl. 250—33)

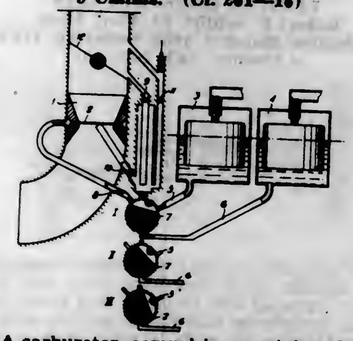


3. In a portable antenna unit a series of spaced parallel flat supporting members disposed in lengthwise edge relation, a conductor element formed of a single length of material bent upon itself to form folds and parallel stretches, and means for securing said element upon said supporting members, said parallel stretches arranged transversely of said supporting members and acting to maintain the supporting members in spaced relation, said parallel stretches acting also to brace the supporting elements, a flexible casing for said conductor element and supporting members for enclosing and concealing them, a lead end of said conductor projecting from said casing and said whole structure providing a flexible and readily adjustable concealed antenna unit.

2,039,989
SULPHONATION OF OILS AND GREASES
Alexander Gressmer, Habana, Cuba
No Drawing. Application May 29, 1934, Serial No. 728,183
5 Claims. (Cl. 87—12)

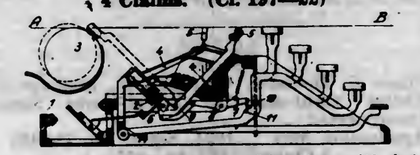
1. In the sulphonation of oils and greases containing oleaginous material, the step comprising sulphonating the oleaginous material in the presence of an acid sulphate of an alkali metal at a rate to limit the temperature rise to approximately 30° C.

2,039,990
CARBURETOR FOR INTERNAL COMBUSTION MOTORS
Nils Gustaf Albert Gustafsson, Stockholm, Sweden, assignor to Svenska Ackumulator Aktiebolaget Jungner, Stockholm, Sweden, a corporation of Sweden
Application September 23, 1933, Serial No. 690,727
In Sweden February 8, 1933
9 Claims. (Cl. 261—18)



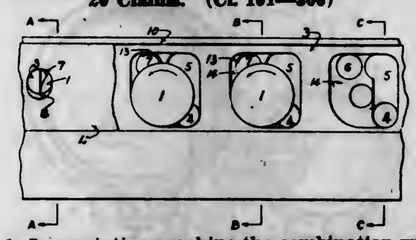
1. A carburetor, comprising a mixing chamber, a throttle valve for controlling flow through said mixing chamber, a supply chamber for relatively light fuel, a suppy chamber for a relatively heavy fuel, an adjustable valve device, a supply conduit from each of said fuel chambers to said valve device, two discharge conduits from said valve device opening into said mixing chamber at different positions with reference to said throttle valve, said valve device being manually adjustable into one position to connect both of said discharge conduits with the supply conduit from the light fuel chamber for starting and idling and in another position to connect one discharge conduit with the supply conduit from the light fuel chamber and the second discharge conduit with the supply conduit from the heavy fuel chamber, the said relative locations of the discharge conduit openings with reference to the throttle valve effecting an automatic decrease in the relative quantity of light fuel supplied to said mixing chamber upon an opening movement of the throttle valve when the valve device is adjusted to the second position.

2,039,991
TYPEWRITER
Otto Haas, Pieterlen, Switzerland
Application March 3, 1934, Serial No. 713,895
In Germany March 9, 1933
4 Claims. (Cl. 197—22)



1. In a typewriter, in combination with intermediary levers and type levers, bearings for the intermediary levers, circular segment bearings for the type levers in a plane at an angle with the base plane of the typewriter, said bearings for the intermediary levers being positioned on a curve which is geometric with respect to the circle of the bearings for the type levers, said curve being in a plane at an angle between the same and the base plane smaller than the angle between the plane of the circular segment bearings for the type levers and the base plane, said smaller angle bearing such relation to the first angle that the bearings for the intermediary levers are substantially equidistant from the bearings of the type levers and are positioned at substantially the same heights above the base plane as the corresponding bearings for the type levers.

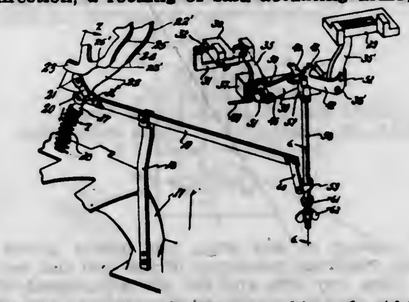
2,039,992
INK FOUNTAIN FOR PRINTING PRESSES
John Joseph Harold, New York, N. Y., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application May 26, 1931, Serial No. 540,057
Renewed July 13, 1935
20 Claims. (Cl. 101—366)



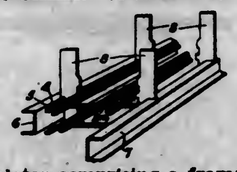
1. In a printing machine the combination with an ink-distributing cylinder, of a reservoir supplying ink, means for conveying ink to an elevating chamber, means for raising ink by adhesion, a means of controlling the supply of ink, of a discharge orifice for delivery to the ink-distributing cylinder and means of spreading ink so delivered over the surface of the ink-distributing cylinder.

2,039,993
AUTOMATIC QUADDING AND CENTERING DEVICE
William R. Harris and Harry D. Reese, Detroit, Mich., assignors to Intertype Corporation, Brooklyn, N. Y., a corporation of New York
Application December 26, 1934, Serial No. 759,168
14 Claims. (Cl. 199—50)

1. A device of the class described, comprising: a pair of separated aligned relatively movable matrix confining jaws; a pair of swingable arms each connected at one end to one of said jaws and adapted upon swinging movement, to move its jaw relatively to the other jaw; a pair of rockable actuating arms adapted upon rocking movement, to swing the respective swingable arms; a rockable lever; means cooperating with said lever for effecting, upon rocking of said lever in one direction, a rocking of said actuating arms; resilient means for effecting a rocking of said lever in said direction; and means for releasing one of said swingable arms for permitting rocking movement of its respective actuating arm independently of said swingable arm.



2,039,994
ESCALATOR
Kurt Heinrich Wilhelm Herker, Berlin, Germany
Application February 23, 1933, Serial No. 658,129
In Germany April 21, 1931
7 Claims. (Cl. 198—16)

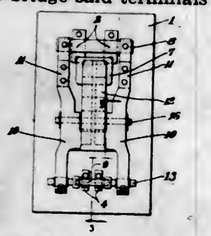


1. An escalator comprising a frame consisting of two longitudinal carrier beams extending from end to end of the escalator, a plurality of spaced transverse bracing and supporting frames disposed between and connecting the carrier beams at intervals along their length, and each including a pair of opposed uprights mounted upon the respective beams and having portions projecting above and below the beams, and track rails supported upon upwardly and downwardly projecting portions of the uprights, a plurality of interlinked step carriages mounted upon the said track rails, and means for imparting movement to the said step carriages along the track rails.

2,039,995
ELECTRICAL APPARATUS AND CONTACTS THEREFOR
Jacob H. Herring, Hueytown, Ala.
Application December 12, 1931, Serial No. 580,715
1 Claim. (Cl. 200—166)

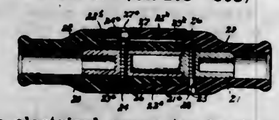
A circuit make and break means for electrical devices comprising in combination a pair of spaced spring terminals, a contact bar comprised of a cylindrical electrically conducting member and a pair of end supporting members therefor, each of said end members being provided with a bearing recess adapted to rotatably receive the end of the said electrically conducting member, and means to pivotally support said bar whereby the same may be moved into and out of rolling wiping engagement across said terminals, said

means comprising parallel spaced arms pivotally supported on opposite sides of said terminals, means to secure one of said end sections to each of said arms with the said cylindrical member supported therebetween in said bearing recesses in a position to bridge said terminals in one piv-



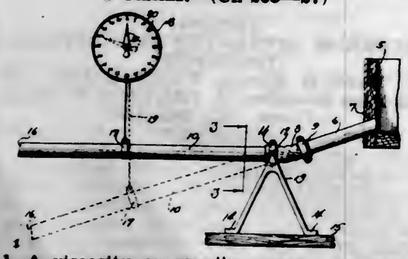
oted position of said arms, said means providing the electrical insulating of the said end section from the arm and for the adjustment of said end sections along the longitudinal axis of said center section to permit ready removal and replacement of said cylindrical member.

2,039,996
ELECTRICAL AND OTHER CONNECTERS
Albert C. Hessel, New York, N. Y., assignor to W. F. Hessel Company, Inc., New York, N. Y., a corporation of New York
Application April 12, 1934, Serial No. 720,295
8 Claims. (Cl. 173—363)



1. In an electrical connecter having a pair of interfitting conductor bar sections, a substantially tubiform housing comprising separable sections, having lineally extending overlapping interfitting parts, means securing each housing section to a different one of said conductor bar sections when the housing sections are disassembled, the securing means of at least one pair of said connected housing and conductor sections comprising a lineally movable pin-like member arranged in opposition to an overlapping portion of the other housing section, said overlapping portion of said last-mentioned housing having a pin-receiving recess, and one of said housing sections providing means whereby said pin may be operated.

2,039,997
MEASURING INSTRUMENT
Lewis Hind, Grass Valley, Calif.
Application October 12, 1934, Serial No. 748,105
2 Claims. (Cl. 265—27)



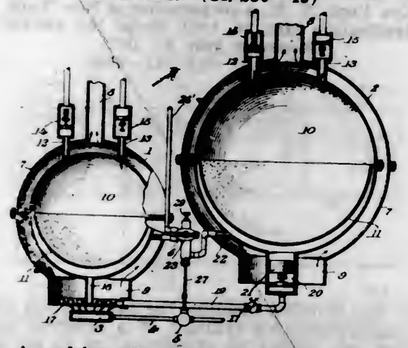
1. A viscosity or gravity meter comprising a support, a tube having one of its ends pivoted to said support, a liquid supply means communicating with the pivoted end of said tube, a flexible connection between the liquid supply means and the tube, and means for normally retaining the pivoted tube in a horizontal position including a scale and a flexible connection between the scale and tube adapted to be actuated by movements of the tube for actuation of the scale.

2,039,998
SIGN
William C. Hollister, Chicago, Ill., assignor to Visible Night-and-Day Street-Name Signs, Incorporated
Application May 7, 1934, Serial No. 724,406
4 Claims. (Cl. 40—135)



1. In a sign of the character set forth, a translucent cellulose sheet, sign inscriptions thereon, translucent sheets of celluloid enclosing said cellulose sheet and integrated therewith, glass panels enclosing said composite cellulose sheet and celluloid, said cellulose sheet being provided with perforations, and a sealing compound closing the space between the panel edges.

2,039,999
REFRIGERATION COMPRESSOR
Earl F. Holyfield, Stillwater, Okla.
Application February 4, 1935, Serial No. 4,955
3 Claims. (Cl. 230—49)



1. A refrigeration compressor comprising a housing, a refrigerant chamber arranged in said housing and forming therein a heat chamber, a controlled heating means for said heat chamber, a liquid in said chamber to be vaporized by heat, and means mounted in said chamber for separating the liquid from the refrigerant and movable to admit and expel the refrigerant from said chamber by the vaporization and condensing of said liquid.

2,040,000
DISPERSION OF SYNTHETIC RESINS IN LIQUIDS
Horatio Whitehead Hutton, East Croydon, England
No Drawing. Application April 17, 1934, Serial No. 721,066. In Great Britain April 19, 1933
2 Claims. (Cl. 134—26)

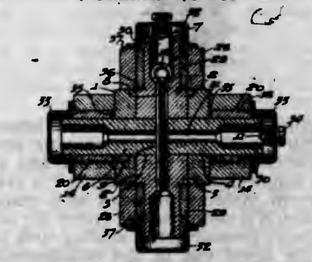
1. In the manufacture of a liquid containing a dispersed resin, the process of treating a phenol formaldehyde resin with paraffin, sulphonated sperm oil and a fatty acid and intimately intermixing them therewith, adding boiling water to the mixture in an amount approximately equal to the weight of the resin, said water being rendered sufficiently alkaline to saponify substantially all of the fatty acids present in the mixture, to thereby create a nascent saponification in situ and intimately disperse soap molecules throughout said mixture, and then incorporating a diluent with said mixture.

2,040,001
SOLE PATCH
Edward G. Jones, Hutchinson, Kans.
Application February 12, 1935, Serial No. 6,255
1 Claim. (Cl. 36—25)



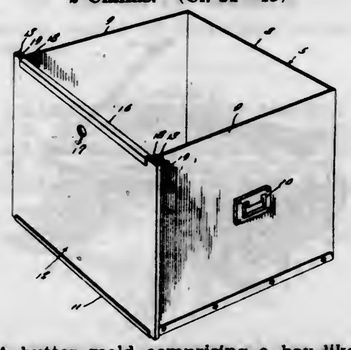
A patch for the sole of a shoe comprising a body of resilient material and of substantial oval-shape with its front end more pointed than its rear end, said body having a relatively thick side portion having a vertical edge, the rest of the body tapering from the thickest portion towards the ends and toward its other side edge, the vertical edge having a curvature more pronounced toward one end than the other, and means for attaching the patch to the sole.

2,040,002
UNIVERSAL JOINT
Samuel G. Jones, Norfolk, Va.
Application January 17, 1931, Serial No. 509,469
7 Claims. (Cl. 64—17)



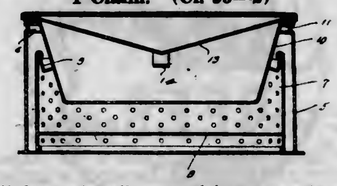
1. A universal joint connecting driving and driven shafts and comprising a center block formed with a relatively large aperture extending lengthwise and a relatively small aperture merging with and extending transversely thereof, a shouldered pin fitting the large aperture and provided with a transverse aperture registering with the small aperture, a pivot pin passing through said registering apertures, a bifurcated headed pin passing longitudinally through said shouldered pin and transversely through said pivot pin for holding said pins in proper assembled relation, clips each of which comprises a body portion notched, fitting over, and positively connected to a companion clip and said driving or driven shaft, said clips being provided with bushings pressed therein and journaled on the ends of said pins, the ends of said pins having relatively large pockets adapted to contain lubricant and connected by passages, one of said pockets performing the additional function of allowing spreading of the bifurcated pin to locked position, caps threadably engaging the ends of said bushings for holding the lubricant, certain of said caps being provided with lubricating plugs, and washers between said caps and universal joint clips and between said bushings and center block for preventing loss of lubricant.

2,040,003
BUTTER MOLD
Arnold T. Jorgensen, Jerome, Idaho
Application April 20, 1935, Serial No. 17,505
2 Claims. (Cl. 31—45)



1. A butter mold comprising a box-like container including a bottom, a pair of side walls, a connecting back wall, the bottom being formed at its front with an upstanding flange constituting a keeper channel, the vertical ends of the side walls adjacent to said keeper channel having outstanding flanges constituting vertical guide tracks, a removable front wall cooperable when closed with said keeper channel and having means slidably engaging said tracks, said means including a pair of channel-shaped members telescopically receiving said tracks, and further including a pair of stabilizing and reinforcing flanges extending inwardly into the container and in slidable contact with the inner surfaces of the side walls thereof.

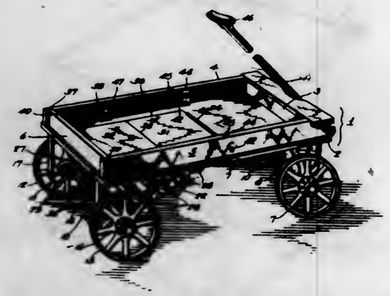
2,040,004
KITCHEN UTENSIL
Carrie Kelsay, Columbia, Ky.
Application December 7, 1934, Serial No. 756,522
1 Claim. (Cl. 53—2)



A kitchen utensil comprising an outer receptacle having a flat bottom and a vertical circular side part, the upper portion of which has an annular internal rib, a second receptacle having a flat bottom, and upwardly and outwardly sloping sides with an outwardly extending flange at the upper edge thereof, said second receptacle being of less depth than the first receptacle with the flange resting on the bead or rib, a substantially conical cover for covering both receptacles, and a perforated tray having means for supporting the same above the bottom of the outer receptacle, said tray being of greater di-

ameter than the lower part of the second receptacle, whereby it may be placed in the first receptacle to rest on the bottom thereof with its upper part surrounding the lower portion of the second receptacle in spaced relation thereto when the second receptacle is placed in the first receptacle.

2,040,005
TOY VEHICLE
Harry Kister, Philadelphia, Pa., assignor of one-half to William H. Eden, Philadelphia, Pa.
Application March 26, 1935, Serial No. 13,131
6 Claims. (Cl. 208—38)



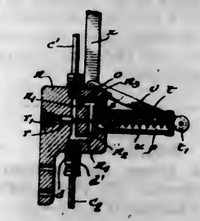
1. A toy vehicle comprising a plurality of supporting wheels, a series of driving rollers arranged in a common inclined plane in close laterally parallel relation and operatively connected together and to one of said supporting wheels, and an independently rotatable impact roller at the upper end of the inclined series.

2,040,006
APPARATUS FOR PRODUCING VIBRATING LIGHT EFFECTS
Josef König, Budapest, Hungary
Application May 11, 1935, Serial No. 21,051
In Hungary February 20, 1934
6 Claims. (Cl. 40—34)



1. Apparatus for producing vibrating light effects, more particularly for advertising purposes, comprising in combination a transparent surface formed of a plurality of prismatic bodies situated next to one another, a movable reflector positioned permanently parallel to said transparent surface and having a plurality of reflecting surfaces and actuating means for moving the reflector relatively to the transparent surface and in a plane parallel to said transparent surface.

2,040,007
CENTRAL LUBRICATING DEVICE
Hans Kreidel, Wiesbaden, Germany
Application November 25, 1930, Serial No. 497,991
In Germany June 13, 1930
5 Claims. (Cl. 184—28)



1. A lubricating device for a centralized lubricating system comprising a container positioned at the highest point of the system for gravitationally feeding lubricant thereto, a pump associated with said container, and means controlled by said pump for rendering the gravitational feed ineffective shortly after the beginning of the suction stroke of said pump until shortly before the end of the pressure stroke of the same.

2,040,008
COUPLING-HEAD
Hans Kreidel, Wiesbaden, Germany
Application September 27, 1934, Serial No. 745,726
7 Claims. (Cl. 285—91)



7. A coupling head for high pressure lubricant conduits with a passage-channel having an enlargement for facilitating the insertion and withdrawal of a nipple-head having a neck, a sealing disk held from yielding outward and made of a material which is compressible under the action of the lubricant pressure, said sealing disk being located at the lower end of the enlargement of the passage-channel, said disk having an opening of an internal diameter approximately equal to the outer diameter of the nipple-head to pass the head through said opening, and means for circumferentially engaging the sealing disk entirely from below to hold the disk against coming out and means to lead the lubricant into said enlargement to compress the body of said disc and thereby constrict said opening around the portion of said head which is adjacent its neck.

2,040,009
SAFETY RAZOR
Lee B. Lane, New York, N. Y.
Application July 22, 1935, Serial No. 32,625
3 Claims. (Cl. 30—69)

1. A safety razor comprising a rigid hollow ground shaving blade, a handle detachably secured to said blade, and a guard held against said blade by said handle, said guard comprising a

closed triangular loop including a straight leg



adjacent and parallel to the cutting edge of the blade.

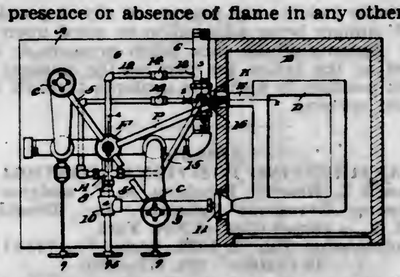
2,040,010
REPAIR AND ANCHORAGE OF TELEGRAPH POLES AND THE LIKE
Bernard McMahon, Malvern, Victoria, Australia
Application June 18, 1935, Serial No. 27,260
In Australia February 17, 1934
7 Claims. (Cl. 20—99)



2. A method of repairing telegraph poles and the like in situ, which comprises erecting a temporary support for a pole to be repaired, trimming the lower portion of the pole to form a cylindrical section of reduced diameter, cutting the pole transversely through said section of reduced diameter at a comparatively short distance above ground level so that the defective lower end or butt portion of the pole is severed from the upper or main body portion and the latter with the usual appurtenances and wires connected thereto is suspended by said temporary support in a normal or slightly raised position, and while the said body portion is so suspended, removing the defective butt portion from its cavity in the ground, placing in said cavity a base structure provided with a pillar surrounded by a sliding sleeve, sliding said sleeve up to embrace the trimmed portion of said pole, and rigidly connecting the lower end of the suspended body portion to said base sleeve.

2,040,011
GAS RANGE OR SIMILAR APPLIANCE
Benjamin Edward Meacham, Lorain, Ohio, assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Application October 6, 1933, Serial No. 692,533
11 Claims. (Cl. 158—117.1)

2. The combination with a plurality of gas burners a gas supply conduit therefor and a shut-off valve in said conduit, of a gas lighter comprising a plurality of lighter devices relatively positioned in igniting relationship to different burners, each device being provided with a pilot jet, means responsive to the presence or absence of flame in a certain one of said jets operative to automatically actuate said shut-off valve when said jet is extinguished, and means responsive to the presence or absence of flame in any other of



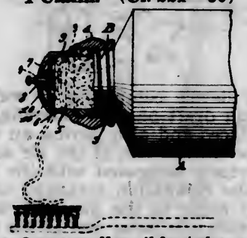
said jets to control the fuel supply to said first mentioned jet.

2,040,012
CHARACTER BEARING ARTICLE
Edwin S. Mix, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application February 1, 1936, Serial No. 61,995
13 Claims. (Cl. 40—140)



12. In combination, a holder comprising a member having spaced vertical bars on the front face thereof extending forwardly therefrom providing spaced vertically disposed seats, and separate relatively thin character bearing panels secured in said seats, the panels being of a width substantially the same as the width of the seats and being of a thickness less than the thickness of said bars whereby to countersink the character bearing panels on the front face of said member between the bars.

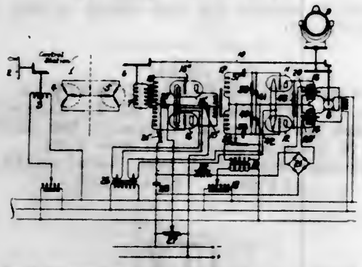
2,040,013
TUBE CAP
Richard D. Moore, Birmingham, Ala.
Application November 9, 1934, Serial No. 752,317
1 Claim. (Cl. 221—60)



A closure for a collapsible tube comprising a body having a dome shaped top and an internally threaded cylindrical bore adapted for detachable connection to the neck of the tube, a serrated bead exteriorly of the body, a restricted hollow portion formed on the body between the top and threaded portion and having a laterally disposed slot therein adjacent the top to provide an outlet opening, a concavo-convex disk-like plunger mounted for slidable movement in the hollow portion for controlling the opening, a plunger rod extending through the top and connected with the plunger to guide and manually actuate the same, a telescoping coil spring surrounding the plunger rod between said top and plunger and

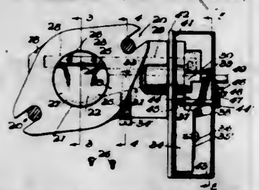
normally holding the plunger in closed position, said plunger being adapted to be acted upon by the contents of the tube when pressure is applied to the latter for moving the plunger to open position to eject the contents through the outlet opening.

2,040,014
ANTIHUNTING POSITIONAL CONTROL
Francis L. Moseley, Brooklyn, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application July 3, 1934, Serial No. 733,611
10 Claims. (Cl. 172—239)



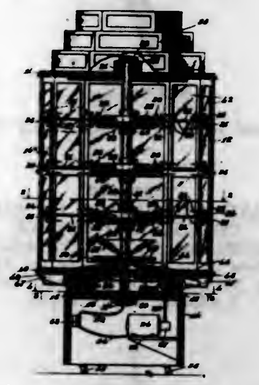
1. In a positional control for heavy objects having means for producing and receiving a signal, a reversible power motor for driving the object, a thermionic tube circuit for controlling said motor as to torque and direction in accordance with the strength and direction of the received signal, and feed back means for producing a D. C. feed back in said circuit for rendering said circuit less sensitive after said motor has started.

2,040,015
VALVE DEVICE
William B. Parker, Manchester, Tenn.
Application April 6, 1935, Serial No. 15,105
2 Claims. (Cl. 137—152)



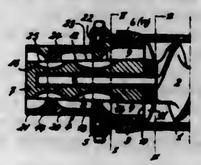
1. A valve device comprising a body portion having a main draft passage extending through its opposite faces and also having an air supply port, the outer intake end of the air supply port being transversely elongated with the longitudinal axis of the elongation arranged at substantially a right angle to the plane of the face of the body portion, the inner end of the air supply port leading into the main draft passage, said body portion having a bearing opening formed therein and disposed exteriorly of and adjacent to the side of the transversely elongated intake end of the air supply port, a rock shaft mounted within the bearing opening and accordingly located adjacent to the transversely elongated intake end of the air supply port, a draft actuated element arranged within the main draft passage and mounted upon the rock shaft, a valve element mounted upon the rock shaft and adapted to swing across the transversely elongated intake end of the air supply port, and a spring to oppose the opening movement of the valve element.

2,040,016
ROTISSERIE
John M. Sanders, Atlanta, Ga., assignor to Sanders Manufacturing Company Incorporated, Atlanta, Ga.
Application May 15, 1934, Serial No. 725,805
3 Claims. (Cl. 74—300)



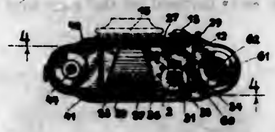
1. A device of the class described comprising a base, a vertically disposed post fixed to the base, a casing rotatable on the base and about the post and having bearings in its wall, gears fixed to the post, cylinders loosely mounted on the post and rotatable on the gears, rods having their outer ends journaled in the bearings of the casing wall and their inner ends journaled in the cylinders, and pinions fixed adjacent the inner ends of the rods and meshing with the gears to impart rotary movement to the rods during rotation of the casing.

2,040,017
APPARATUS FOR CUTTING FOODS AND THE LIKE
Maximilian Stöppel, Lippstadt, Germany, assignor to Josef Scholtes, Dusseldorf, Germany
Application March 15, 1934, Serial No. 715,729
In Germany March 21, 1933
15 Claims. (Cl. 146—184)



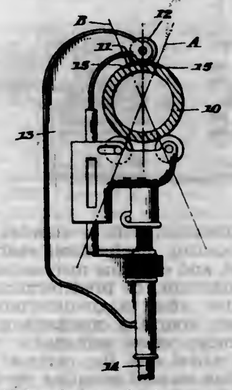
1. Apparatus for cutting food and like material comprising in combination a sleeve, an inlet and an outlet in said sleeve, an axial member rotatably mounted in said sleeve, a plurality of axially arranged spaced knives fixed on said axial member, a plurality of axially extending spaced knives projecting inwardly from and fixed to said sleeve concentric and co-operating with the knives on said axial member, means for rotating said axial member relative to said sleeve, means for feeding material in an axial direction to the spaces between the knives on the sleeve and a guide member fixedly carried on said sleeve intermediate the length of the knives on said sleeve and subdividing all the spaces between said last-mentioned knives in the axial direction to guide the fed material to the spaces between the knives on the axial member.

2,040,018
PHOTOGRAPHIC CAMERA
Heinz Kilfitt, Dusseldorf, Germany, assignor to Otto Berning & Co., Schwelm, Germany, a firm of Germany
Application November 1, 1933, Serial No. 696,251
In France September 8, 1933
10 Claims. (Cl. 95—31)



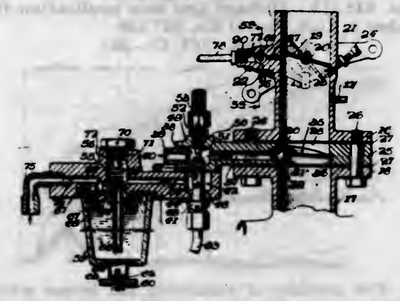
1. In a camera for strip films, a casing, means at one side of the casing to support a roll of unexposed film, means at the other side of the casing to support a winding wheel for winding film from the roll after exposure, a lens at the front of said camera, a film support positioned in the casing rearwardly of the lens and over which the film passes, a shutter controlling the passage of light from the lens to the film support, said shutter having an operating spring, means actuated by the rotation of said winding wheel for setting said shutter and tensioning said spring, latch means holding said shutter in set position, a release button having a stem engaging said latch means to release the shutter upon depression of the button, and a presser plate arranged upon actuation of the winding wheel to move away from the film support during feeding movement and to press the film against its support upon completion of the said feeding movement, said winding wheel having cam segments engaging the presser plate during rotation of the winding wheel.

2,040,019
PIPE CONSTRUCTION
Garnet Adam Maguire, St. John, New Brunswick, Canada
Application August 9, 1935, Serial No. 35,522
In Canada January 29, 1935
1 Claim. (Cl. 138—47)



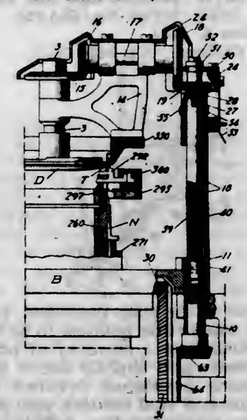
As an article of manufacture, a pipe preformed to facilitate cutting by a pipe cutter having a rotary cutting disc, said pipe being provided in its outer face with a short circumferential recess of substantial depth comprising a seat for receiving a cutter disc on initial placement of a cutter tool, whereby on actuation of an engaged cutter tool the initial bite of its cutting disc occurs in a direction circumferentially of the pipe and while the disc is rotating.

2,040,020
CARBURETOR
William B. Parker, Manchester, Tenn.
Application July 19, 1934, Serial No. 736,077
14 Claims. (Cl. 261—49)



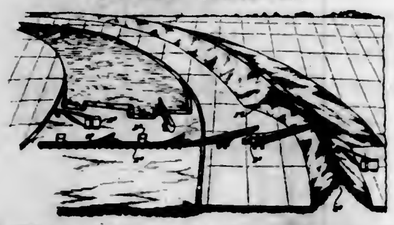
1. In a carburetor, a casing, a throttle valve for controlling the volume of air entering the casing, a draft actuated element disposed in the path of travel of the draft passing through the casing, means for introducing fuel into the casing inwardly of the throttle valve and operated by the draft actuated element, a suction operated device connected with the draft actuated element and adapted to shift the same in an opposite direction to the movement thereof caused by the draft, and a spring to move the draft actuated element in the direction of the draft.

2,040,021
DIAL TIMING MECHANISM FOR CIRCULAR KNITTING MACHINES
Roland J. Paquette, Woodstock, Ontario, Canada, assignor to Scott & Williams, Incorporated, New York, N. Y., a corporation of Massachusetts
Application October 9, 1935, Serial No. 44,257
12 Claims. (Cl. 66—28)



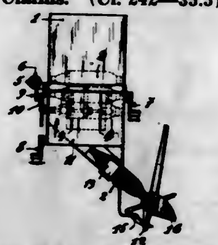
1. In a circular knitting machine, two series of knitting elements, a revolving cylinder containing one of said series and a dial containing the other and adapted to be moved into and out of operative relation with the cylinder, in combination with means adapted to drive the dial when the latter is in its operative position only, and a connection between the dial and its driving means operative when the dial is moved from operative position to keep the latter in time with the cylinder.

2,040,022
METHOD FOR BUILDING LEVEES
William E. Phillips, Chicago, Ill., assignor to Link-Belt Company, a corporation of Illinois
Original application November 14, 1932, Serial No. 642,518. Divided and this application October 9, 1934, Serial No. 747,620
6 Claims. (Cl. 61—30)



1. The method of enlarging old levees which comprises excavating material from a borrow pit, uniformly sizing the excavated material by separating fines from lumps, breaking up the lumps and returning the broken up material to the fines, moving all the material to the building levee, and continuously and uniformly distributing the material first on one side of and spaced from the base of the old levee to form a toe portion of less height than the old levee and then to fill in between the toe and the old levee to merge the new construction into the structure of the old levee to form the enlargement desired.

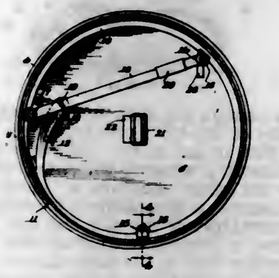
2,040,023
WINDING MACHINE WITH MECHANICAL CHARGING OF BOBBINS
Wilhelm Reiners and Gustav Kahlisch, Gladbach-Rheydt, Germany, assignors to W. Schlafhorst & Company, Gladbach-Rheydt, Germany
Original application September 14, 1932, Serial No. 663,196, now Patent No. 1,970,188, issued August 14, 1934. Divided and this application August 19, 1933, Serial No. 685,952. In Germany October 8, 1931
9 Claims. (Cl. 242—35.5)



1. In a device of the class described, a plurality of holders for supporting bobbins to be unwound, means for distributing a plurality of bobbins respectively opposite and slightly above said holders, guide means positioned between said distributing means and said holders, and means for simultaneously disposing the bobbins on said guide means for causing the simultaneous dropping thereof by gravity onto said holders.

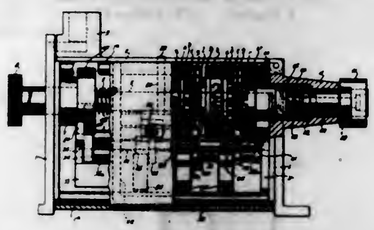
2,040,024
CONTAINER
George Roberts, Ann Arbor, Mich.
Application March 5, 1935, Serial No. 9,489
3 Claims. (Cl. 220—61)

1. A container comprising a channeled upper end providing an overhanging portion and a seat, a closure for the container and received by the seat, sealing means between the closure and seat, a transversely split expansible ring disposed in the channel to contact the overhanging portion and the closure respectively for holding the latter in sealed position, an arm extending inwardly from one end of the ring, a lever pivotally secured to the arm and having one end pivotally secured to the ring, ears formed on the ring and extending



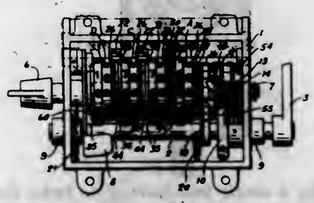
inwardly therefrom, lugs formed on the ears and disposed in the path of the free end of the lever to be received thereby for holding the ring in contracted or expanded positions, locking means received by the free end of the lever and the ears respectively for holding the ring in said positions, a handle for the closure and means included in the lever for receiving an extension therefor.

2,040,025
PREDETERMINED COUNT MECHANISM
Edward A. Siye, Burnside, Conn., assignor to Veeder-Root Incorporated, Hartford, Conn., a corporation of Connecticut
Original application July 17, 1929, Serial No. 378,831. Divided and this application August 10, 1934, Serial No. 739,217
26 Claims. (Cl. 235—132)



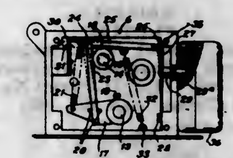
1. The combination with a counter having a plurality of counting mechanisms each having a counting wheel, and carrying mechanism between adjacent mechanisms, of predetermining mechanism operative after a predetermined count having on each counting mechanism a predetermining number wheel adjustable relative to said counting wheel and the parts of said carrying mechanism on said counting mechanism to set up a predetermined count on said predetermining wheels, and resetting mechanism for resetting said predetermining wheels having means for maintaining the predetermined angular relation of the predetermining wheels of each counting mechanism relative to the carrying mechanism between adjacent counting mechanisms during resetting while maintaining the elements of said carrying mechanism in transverse alignment.

2,040,026
COUNTER
Harvey L. Spaunburg, Bristol, Conn., assignor to Veeder-Root Incorporated, a corporation of Connecticut
Application April 9, 1931, Serial No. 528,819
21 Claims. (Cl. 235—132)



1. In a counting device having a plurality of counting mechanisms and carrying mechanism therebetween, predetermining mechanism cooperating with said counting mechanisms having on each of the latter a plurality of counting members one included in said counting mechanism and the other comprising a predetermining member and each adjustable relative to a part of said carrying mechanism on said counting mechanism while said carrying mechanism is in mesh.

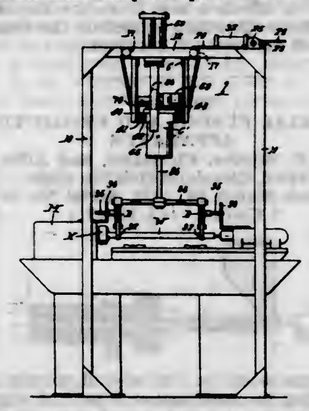
2,040,027
COUNTER
Frank E. Northrop, Bristol, Conn., assignor to Veeder-Root Incorporated, a corporation of Connecticut
Application April 9, 1931, Serial No. 528,818
29 Claims. (Cl. 235—132)



1. The combination with a counter including a plurality of rotatable number wheels having transfer mechanism therebetween and having mechanism operative after a predetermined number of counting operations of said number wheels, and manually actuated counter resetting mechanism for resetting said number wheels, of switch mechanism including co-operating contacts and actuating means for automatically operating said contacts upon operation of said second mentioned mechanism and automatically reversely operating the same upon a resetting operation of said resetting mechanism.

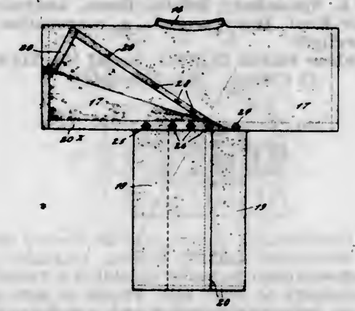
2,040,028
WORK HANDLING MECHANISM FOR MACHINE TOOLS
Edwin R. Smith and Albert Schinkes, Seneca Falls, N. Y., assignors to Seneca Falls Machine Company, Seneca Falls, N. Y., a corporation of Massachusetts
Application April 8, 1932, Serial No. 604,045
14 Claims. (Cl. 82—2)

1. Work-handling mechanism for machine tools comprising work-engaging devices, means to raise and lower said devices, means to shift the work transversely of the machine tool, means to turn the work angularly during such transverse movement and in a plane parallel to the plane of



such transverse movement, and a single actuating device for said shifting and turning means.

2,040,029
COMBINATION BEACH ROBE AND RUG
Theodore J. Smutny, New York, N. Y., assignor to Collegiate Mfg. Co., Inc., New York, N. Y., a corporation of New York
Application February 26, 1936, Serial No. 65,766
3 Claims. (Cl. 2—89)



1. As a new article of manufacture, a combined beach rug and robe comprising an elongated body of fabric of the nature of towelling adapted for arrangement in a fully extended, substantially flat disposition for use as a rug, and also disposable selectively in a folded arrangement as a robe; said article being further characterized by the formation of said fabric body as a substantially rectangular oblong having a length approximately double its width, being divided partially at its median region by slits extending from opposite margins toward its major axis, said slits defining the waist line of a garment having a skirt portion to be wrapped about said major axis, enclosing the loins and lower limbs of the wearer, the moiety of said fabric body beyond said waist line constituting a panel having a portion integral with said skirt portion and in direct continuance thereof at the rear of the robe, the free edge of said last named panel being foldable on a transverse axis intersecting the major axis at the shoulder line of the wearer, and formed with a slit at the region of said intersection adapted to receive the wearer's head; and means to secure together removably across the front waist region the front medial portion of the free lower edge of said folded-over panel and the underlying

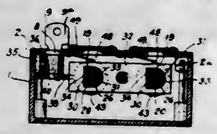
contiguous edges of said waist-defining slits, said means being effective also to secure the skirt in closed position, thereby completing the organization of said article as a garment.

2,040,030
MATERIAL FUSING AND PROJECTING APPARATUS
Aulden D. Snyder, Cleveland, and Albert F. Maier, Cleveland Heights, Ohio
Application March 24, 1932, Serial No. 600,952
2 Claims. (Cl. 83—91)



1. An apparatus for fusing and spraying material having in combination a pair of supports, hollow electrodes engaged in said supports, means for spacing said supports to provide an arc, and means operating to feed pulverized fusible material through each of said hollow electrodes to said arc, said means being externally tangential to the positive column of said arc and projecting the material fused in said arc.

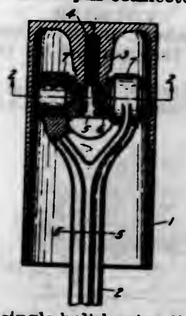
2,040,031
COUNTER
Harvey L. Spaunburg, Bristol, Conn., assignor to Veeder-Root Incorporated, a corporation of Connecticut
Application March 21, 1934, Serial No. 716,695
32 Claims. (Cl. 235—144)



1. In combination, a pick counter having operatively connected number wheels, rotatable resetting mechanism therefor including a resetting shaft rotatable to reset said wheels to zero and having an operating member and a locking portion rotatable with said resetting shaft, and controlling mechanism for said resetting mechanism including a lock having a key, cooperating locking mechanism having a longitudinally reciprocable member disposed transversely of the axis of said resetting mechanism and also having locking means actuated by said reciprocable member, and means controlled by said key for moving said reciprocable member bodily transversely of said axis to dispose said locking means in locking engagement with said locking portion in the reset position of said number wheels and for obstructing reverse movement of said reciprocable member in locked position.

2,040,032
PISTON
Ray N. Steele and Earl E. McIlvain, Cedar Rapids, Iowa; said McIlvain assignor to said Steele
Application January 12, 1933, Serial No. 651,302
8 Claims. (Cl. 309—16)

1. In a piston, a substantially cylindrical wall having one end closed and imperforate, a post extending from the inner face of said end and arranged substantially centrally with relation thereto, and a wrist pin connected to the end of



said post by a single bolt having its head directed toward the open end of the piston.

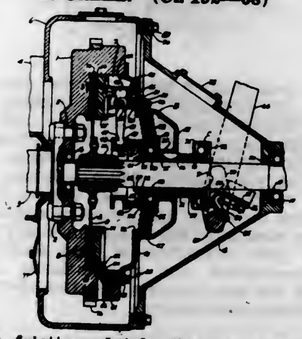
2,040,033
PRODUCTION OF PLASTIC MATERIAL FROM PROTEINS
Oswald Sturken, Leonia, N. J., and John C. Woodruff, Terre Haute, Ind., assignors to Resinox Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application September 1, 1933, Serial No. 687,848
10 Claims. (Cl. 260—2)

1. In the production of a protein plastic, the steps which comprise mixing together a protein and alpha ethyl beta propyl acrolein

$$C_3H_7-CH=C(C_2H_5)-CHO$$

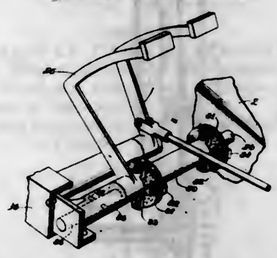
and plastifying the resulting mixture.

2,040,034
CLUTCH
John W. Tatter, Detroit, Mich., assignor of one-half to George B. Ingersoll, Dearborn, Mich.
Application June 19, 1931, Serial No. 545,449
14 Claims. (Cl. 192—68)



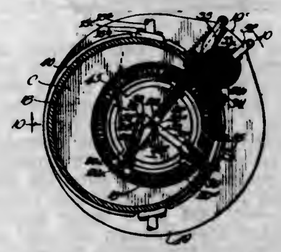
1. In a friction clutch, the combination of a driving member, a driven member, a cover member fixed to one of said members and enclosing the other of said members, a thrust member movable longitudinally relative to said cover member, a sleeve member slidably mounted through said cover member, a lever pivotally mounted within said cover member, said lever engaging said thrust member, a second sleeve member engaging said lever, automatically operated clearance take-up means engaging said sleeve members, and a resilient member between said second mentioned sleeve member and said cover member, said resilient member actuating said thrust member to engage said driven member.

2,040,035
CLUTCH CONTROL MECHANISM
Rolland S. Trott, Denver, Colo.
Application November 10, 1931, Serial No. 574,173
Renewed August 3, 1935
8 Claims. (Cl. 180—64)



1. In a motor vehicle having an engine unit and a frame structure, means mounting the engine unit in the frame structure for oscillatory movement relative thereto, a clutch shaft mounted on the engine unit for movement therewith relative to the frame, said shaft having a pair of arms, a clutch pedal member pivotally mounted on the frame structure, and having a pair of arms, and means including non-metallic flexible means connecting the arms of the clutch shaft and clutch pedal together.

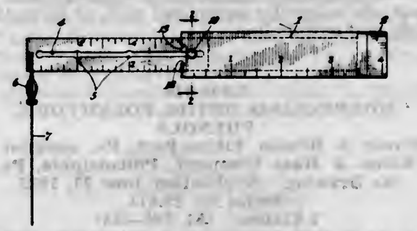
2,040,036
ROTARY EXPLOSIVE ENGINE
William Weeks, Chicago, Ill.
Application August 25, 1933, Serial No. 686,839
7 Claims. (Cl. 123—16)



2. In a rotary engine, the combination with a cylinder, a rotor eccentrically positioned therein, and heads for the cylinder and jointly operable with the rotor, of an impeller operable radially of the rotor and in contact with the cylinder wall, and means for counteracting the excessive centrifugal pressure of the impeller against the cylinder wall at different radial positions of the impeller in proportion to said pressure at such positions, said means comprising a pivot between the cylinder heads, an angle lever operative with the angle on the pivot, a sliding connection between the inner portion of the impeller and one arm of the angle lever, and a weight connected to the other arm of the latter.

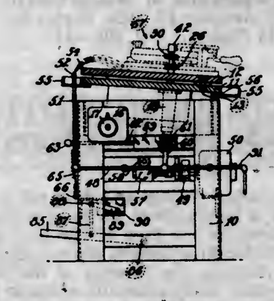
2,040,037
POCKET SCALE
James H. Wily, Bethlehem, Pa.
Application April 21, 1931, Serial No. 531,714
8 Claims. (Cl. 265—53)

1. A scale for weighing articles of relatively light weight comprising an elongated balance member in the form of a casing open at one end, a slidable beam member adapted to be moved into and out of said casing and provided with indices along its length adapted to register and be read in connection with the end of the casing as a sight point, means for supporting an article to be weighed at the outer end of said slidable beam member, means connected to the



casing near one end to provide a fulcrum for the scale as a whole, said beam having a longitudinal slot provided therein and said fulcrum means passing through said slot.

2,040,038
WELDING METHOD AND APPARATUS
Charles A. Wulf, Indianapolis, Ind., assignor to American Valve & Enameling Corporation, Indianapolis, Ind., a corporation of Indiana
Application October 20, 1930, Serial No. 489,878
8 Claims. (Cl. 219—10)



1. The method of welding mating elements which includes the steps of bringing a pair of such elements into mating relation, spot-welding said elements together at their ends, establishing electrical contact between said elements and one electrode of an open circuit, moving said elements, while maintaining said contact, to bring an end of the joint between said elements into contact with the other electrode of said circuit, moving said elements with respect to said last-named electrode, while maintaining both such contacts, and closing said circuit as the spot weld at the end of said joint moves out of contact with said last-mentioned electrode.

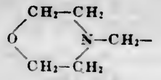
5. Welding apparatus comprising, in combination, a frame, a bed plate mounted on said frame and insulated therefrom, means connecting said bed plate to one side of a source of electrical energy, an electrode plate mounted on and secured to said bed plate, a rotatable tube associated with said plates and insulated therefrom, an electrode wheel mounted on said tube, means connecting said tube to the other side of said source of energy, and means for supplying a flow of cooling liquid to said tube, said tube being formed with ports for directing said flow over said electrode wheel.

2,040,039
PHENOLIC MORPHOLINES
Herman A. Bruson, Elkins Park, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application February 26, 1935, Serial No. 8,301
8 Claims. (Cl. 260—28)

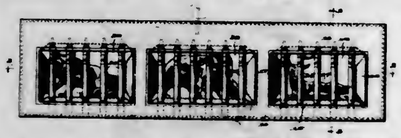
1. A condensation product of a phenol with at least one molecular equivalent each of formaldehyde and morpholine.

2,040,040
MORPHOLINO-METHO POLYHYDRIC PHENOLS
Herman A. Bruson, Elkins Park, Pa., assignor to Röhm & Haas Company, Philadelphia, Pa.
No Drawing. Application June 27, 1935, Serial No. 28,611
7 Claims. (Cl. 260—28)

1. As a new compound, a polyhydric phenol containing as a nuclear substituent a morpholinometho group,



2,040,041
COMBINATION CRAYON PACKAGE AND DISPLAY CONTAINER
Edward O. Clark, Jr., Longmeadow, Mass., assignor to Milton Bradley Company, Springfield, Mass., a corporation of Massachusetts
Application November 15, 1934, Serial No. 753,234
15 Claims. (Cl. 206—44)



1. A combination crayon and drawing set comprising a box, a longitudinal series of rectangular display windows in one face of the box, a series of inwardly extending flanges surrounding each window and dividing the interior of the box into individual display compartments suitable for the display of animal drawings and simulating animal cages, a series of crayons for coloring the drawings detachably secured in laterally spaced relation in the windows of the compartments to provide bars suitable for the display of the animal drawings in the several compartments.

2,040,042
DIRT INDICATOR FOR LUBRICATING OIL
George R. Eckstein, Buffalo, N. Y., assignor to Clarden Corporation, Buffalo, N. Y.
Application February 18, 1933, Serial No. 657,416
5 Claims. (Cl. 73—51)

2. In a portable hand tool constituting a dirt indicator for liquids, a cylinder, a piston in said cylinder, a liquid conduit connected to one end of the cylinder, a piston rod connected to said piston and extending beyond the cylinder, said piston rod being of such size that said piston may be moved manually through said cylinder in one direction while said cylinder is manually held, a spring disposed in said cylinder and engaging said piston for moving the piston in the opposite direction, means in said conduit for obstructing the passage of dirt particles contained in liquid flowing through said conduit, and a pressure gauge in fluid communication with the cylinder and said conduit on one side of said dirt ob-



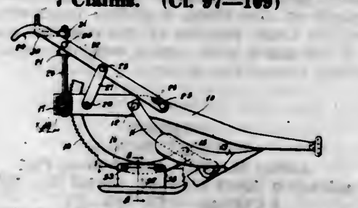
structing means to indicate variations in pressure on opposite sides of said means as the said means becomes clogged with dirt.

2,040,043
SHOE
Perley G. Flint, Brockton, Mass., assignor to Field and Flint Co., Brockton, Mass., a corporation of Massachusetts
Application May 7, 1934, Serial No. 724,259
14 Claims. (Cl. 36—8.5)



1. A shoe having, in combination, an insole provided with an upwardly extending, overhanging portion at the inside edge of the shank portion thereof, a shank stiffener comprising a metal plate having a portion underlying said portions of said insole, a sole, means for operatively securing the latter to said insole independently of said plate comprising stab stitching extending through said insole adjacent said overhanging portion thereof, said plate being apertured to permit passage therethrough of said stitching, and uppers having the portion thereof adjacent said overhanging portion of the insole operatively secured to the latter inwardly of said stab stitching.

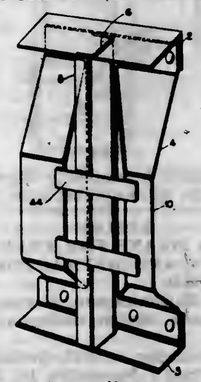
2,040,044
PLOW
Russell H. Flowers, Holland, Ky., assignor of one-fourth to Fred N. Lewis, Burkesville, Ky., and one-fourth to Clarence Lewis, Waterview, Ky.
Application October 24, 1935, Serial No. 46,585
7 Claims. (Cl. 97—169)



1. A plow of the class described, having a beam, plow share, means pivotally suspending the plow share from said beam, gearing connected to the

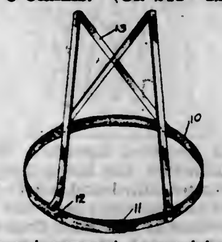
said means provided with gear teeth, and a worm on the beam at the rear of the plow share engaging said gearing and operable to vary the position of said means to accordingly regulate the position of the plow share.

2,040,045
RAILWAY CAR CONSTRUCTION
Garth G. Gilpin, Riverside, Ill., assignor to Union Metal Products Company, Chicago, Ill., a corporation of Delaware
Application September 17, 1934, Serial No. 744,429
11 Claims. (Cl. 105—409)



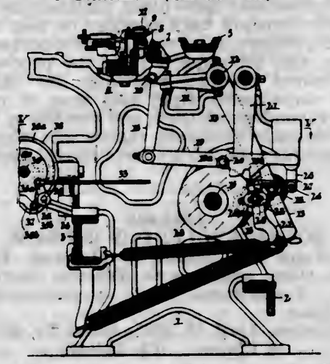
1. In an open top railway car having spaced apart horizontal frame members, the combination of a pair of wall plates extending between and secured to said frame members to form a load retaining means therebetween, a portion of one of said plates overlapping a portion of the other plate, means securing said overlapping portions together, one of said wall plates having an integral flange at a vertical margin thereof closely adjacent the overlapping portions of said plates, each of said wall plates formed with an outwardly projecting panel to increase the cubical capacity of the car, the panel of the flanged wall plate merging into the plate adjacent the edge of the other wall plate and the panel of the other wall plate merging into said other plate adjacent the base of the flange whereby the horizontal widths of the panels longitudinally of the car are increased and the cubical capacity of the car is increased and whereby parts of the adjacent panels and the flange cooperate to form a strut-beam between the frame members.

2,040,046
GARMENT SUPPORTER
Walter D. Groesbeck, Ballston, Va.
Application July 31, 1935, Serial No. 34,096
8 Claims. (Cl. 241—12)



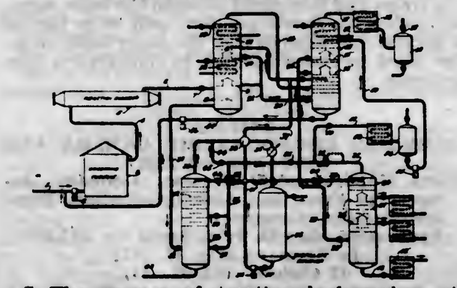
1. A garment-support comprising a girdle of inextensible, resilient material of a length substantially greater than the periphery of the wearer's waist, and having means for joining the ends thereof and for supporting it out of contact with the wearer's body.

2,040,047
NEEDLE BAR RETRACTING MECHANISM FOR FLAT KNITTING MACHINES
Joseph Haines, Jr., Meadowbrook, and Harold F. Paget, Philadelphia, Pa., assignors to Haines Hosiery Mills, Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application September 28, 1934, Serial No. 745,840
7 Claims. (Cl. 66—82)



1. In a flat knitting machine, a multiplicity of needle bars; a cam shaft; presser cams on said shaft respectively cooperating normally with follower rollers on actuating presser arms for the individual needle bars during the knitting; and automatic mechanism operative at the completion of each knitting cycle to place the several needle bars in a position retracted from their normal plane of operation for transfer purposes, including special cams on the cam shaft, and means for shifting the follower rollers on the presser arms from the presser cams to the special cams just before the machine is stopped so that the rollers come to rest in deep peripheral notches of the special cams with the needle bars retracted as aforesaid.

2,040,048
METHOD OF TREATING HYDROCARBON OIL
Arthur C. Hampton, Belleville, N. J., assignor to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware
Application May 10, 1933, Serial No. 670,218
7 Claims. (Cl. 196—48)



7. The process of treating hydrocarbon oil which comprises subjecting relatively heavy oil to cracking temperature under superatmospheric pressure to produce conversion thereof, introduc-

ing resulting cracked products into a vapor separating zone wherein vapors are separated from a liquid residue, partially condensing said vapors, leaving uncondensed relatively light vapors, removing said uncondensed vapors and passing them through a fractionating zone to condense undesirably heavy constituents thereof as reflux condensate, removing the fractionated vapors and condensing them as a desired product, returning the reflux condensate for further cracking in mixture with said relatively heavy oil, expanding condensate, formed by the partial condensing step, into a zone of reduced pressure wherein vaporization of the lighter constituents of the condensate takes place, maintaining a substantially constant back pressure on said zone of reduced pressure, removing the unvaporized condensate, and diverting it from the process as a final desired product, removing the vaporized lighter constituents from said zone of reduced pressure, condensing them and combining resulting condensate with said vapors separated from said resulting cracked products for further treatment.

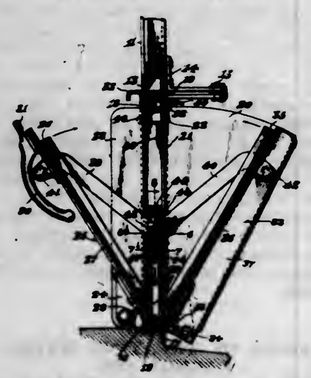
2,040,049

SOUND EXCLUDING WINDOW

Julius Kahn and Donald K. Macleod, Youngstown, Ohio, assignors to Truscon Steel Company, Youngstown, Ohio, a corporation of Michigan

Application April 18, 1933, Serial No. 666,744

6 Claims. (Cl. 98—88)



1. In a baffle structure, the combination with an angular frame, of inwardly and outwardly opening baffle members on opposite sides of the frame, and a common weather strip carried by the frame and interposed between the baffle members when in closed position, said strip having a portion that extends over the outer baffle member when in closed position to constitute a rain deflector.

2,040,050

COMBINED PHOTOGRAPHIC CAMERA AND DISTANCE METER

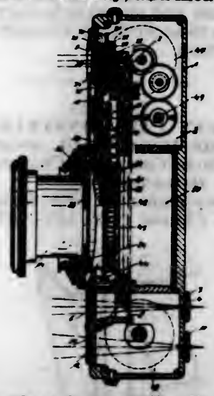
Heinz Küppenbender, Dresden, Germany, assignor to Zeiss Ikon Aktiengesellschaft Dresden, Dresden, Germany

Application May 25, 1934, Serial No. 727,490

In Germany May 30, 1933

12 Claims. (Cl. 95—44)

1. In combination with a photographic camera a distance meter located in the casing of same, means adapted to produce a measuring ray, two glass wedges located one behind the other in a separate chamber of said camera casing and adapted to reflect said ray, and means adapted to



rotate said wedges in opposite directions without changing the distance between said wedges.

2,040,051

METHOD AND MEANS FOR PREPARING REFRACTORIES AND REFRACTORY MASSES SO PRODUCED

Emil Klingler, Zuffenhausen, Germany, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany

Application November 1, 1933, Serial No. 696,293

In Germany November 10, 1932

20 Claims. (Cl. 123—169)



20. A spark plug having as insulator a ceramic mass containing refractory oxid and calcined zeolite.

2,040,052

GLOVE

William A. Lammott, Muncie, Ind., assignor to Eagle Glove & Garment Company, Muncie, Ind., a partnership composed of William A. Lammott, Marie E. Lammott, Ross N. Lammott, and Gertrude V. Lammott

Application February 20, 1934, Serial No. 712,229

4 Claims. (Cl. 2—169)



1. A glove of the kind described comprising a palm piece embodying the index finger and the fronts of the second, third and fourth fingers and the front of the thumb, the edge from the base of the anterior portion of the index finger extending in an incline to a point adjacent to the base of the thumb, a back piece comprising sections that

embody the backs and sides of the second, third, and fourth fingers, the anterior side of the section which embodies the back and sides of the second finger being curved inwardly and thence outwardly and enlarging in width in its lower and extended portion, and a thumb piece to constitute the sides and body of the thumb and whose lower extension is of substantially straight formation.

2,040,053

ALLOY

Arthur R. Lytle, Flushing, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Application October 31, 1933, Serial No. 696,025

4 Claims. (Cl. 75—156)

1. An alloy having the composition: 8% to 18% lead, 6% to 10% tin, 0.25% to 5% silicon, and the remainder copper.

2,040,054

LEAD BRONZE COMPOSITION

Arthur R. Lytle, Niagara Falls, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Original application October 31, 1933, Serial No. 696,025. Divided and this application December 12, 1935, Serial No. 54,661

2 Claims. (Cl. 75—158)

1. An alloy having substantially the composition: 8% to 18% lead, 6% to 10% tin, 0.5% to 6% zinc, 0.25% to 5% silicon, and the remainder copper.

2,040,055

COPPER BASE COMPOSITION

Arthur R. Lytle, Niagara Falls, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Original application October 31, 1933, Serial No. 696,025. Divided and this application December 12, 1935, Serial No. 54,662

2 Claims. (Cl. 75—158)

1. An alloy having substantially the composition: 8% to 18% lead, 6% to 10% tin, 0.5% to 6% zinc, 0.5% to 3% phosphorus, 0.25% to 5% silicon, and the remainder copper.

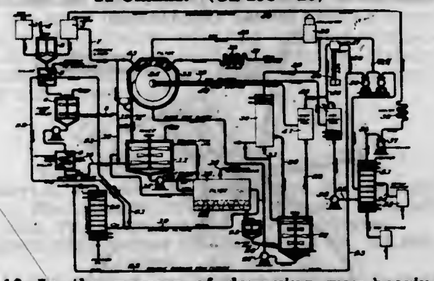
2,040,056

DEWAXING HYDROCARBON OIL

Robert E. Manley, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application June 13, 1932, Serial No. 616,865

11 Claims. (Cl. 196—17)



10. In the process of dewaxing wax-bearing oil wherein the wax-bearing oil is chilled to 0° F. or below by direct vaporization therefrom of a liquefied normally gaseous diluent, the wax thus precipitated separated therefrom in the presence of an inert solid comminuted filter-aid material, the wax dissolved and removed from the filter-aid material by treating it with a solvent liquid for wax, and the filter-aid material conditioned for reuse, the steps consisting in contacting the filter-aid material with some of the liquefied normally gaseous diluent and refrigeratively evaporating a portion of said liquid in direct contact with said filter-aid material thereby washing retained wax solvent liquid from the filter-aid material and precooling it for reuse with fresh wax-bearing charge.

2,040,057

MANUFACTURE OF LUBRICATING OIL

Robert E. Manley and Howard H. Gross, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware

No Drawing. Application February 25, 1933, Serial No. 658,668

16 Claims. (Cl. 196—13)

1. In the process of manufacturing mineral lubricating oil from lubricating oil stock containing paraffin wax and deficient with respect to color characteristics, the method of reducing the pour test of the oil and imparting thereto a desired green fluorescence which comprises substantially cracking at high temperature and under superatmospheric pressure an oil refinery residue selected from the group consisting of cracked petroleum tar, extraction products separated in the solvent refining of petroleum fractions, and extraction products separated from adsorbent filters in the refining of petroleum fractions to produce a pitch containing constituents having the desired characteristics, dissolving oil-soluble material from the pitch in a portion of the lubricating oil stock to be treated, mixing therewith a comminuted solid adsorbent catalytic material, filtering the mixture to produce a filtrate containing hydrocarbon bodies extracted from the pitch which have the desired pour-depressing and fluorescent characteristics and are free from undesirable constituents, and mixing said filtrate with the main body of lubricating oil stock to produce a lubricating oil of desired characteristics.

16. A lubricating oil of relatively low pour point comprising a blend of a mineral lubricating oil of relatively higher pour point with a minor proportion of oil-soluble constituents extracted from a pitch which is primarily insoluble in the lubricating oil and obtained by substantial cracking at high temperature and under superatmospheric pressure of an extraction product separated in the solvent refining of a lubricating oil stock.

2,040,058

LOCKSTITCH KNIT FABRIC

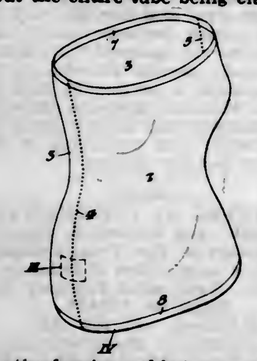
William Mendel, Beverly, and Joseph Titone, Burlington, N. J., assignors to Neidich Cel-Lus-Tra Corporation, Burlington, N. J., a corporation of New Jersey

Application October 14, 1933, Serial No. 693,580

9 Claims. (Cl. 66—176)

1. In a lockstitch knit fabric, forming a seamless tube of uniform diameter throughout its length; the combination of two primarily flat panels, each of uniform width throughout its length, and including knit stitches integrally connecting them at their longitudinal edges, at diametrically opposite sides of said tube and parallel with its axis; so that one of said panels forms the back, and the other the front, of said tube; each of said panels formed entirely of threads which extend longitudinally in said tube, but have lateral interloops, which form the lockstitches, for preventing any run in said fabric from any hole

made therein; each of said panels including threads which are respectively elastic and inelastic, but the entire tube being elastic in every



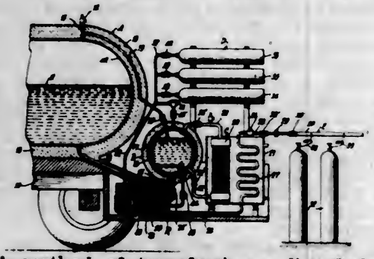
direction; the front panel being more resistant to stretch than the rear panel.

2,040,059

METHOD AND APPARATUS FOR DISPENSING GAS MATERIAL

William F. Mesinger, Flushing, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application June 18, 1935, Serial No. 27,154
19 Claims. (Cl. 62—1)



1. A method of transferring a liquefied gas that is volatile at normal atmospheric pressure from a supply vessel where it is held at relatively low pressure and temperature to receivers at relatively high pressure and elevated temperature by means of a transfer vessel, which comprises delivering a definite charge of liquid from said supply vessel into said transfer vessel while at relatively low pressure, expelling a major portion of said charge to receivers at relatively high pressure by the introduction of heated gas into said vessel above the charge of liquid, withdrawing a substantial portion of the gas remaining in the transfer vessel after the desired amount of the liquefied gas charge has been expelled to receivers, releasing gas from said transfer vessel for reducing its pressure to the relatively low value desired for refilling, and utilizing a refrigeration effect of the liquefied gas being transferred for recondensing a substantial portion of said withdrawn gas.

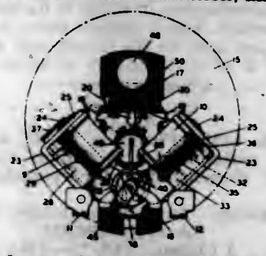
2,040,060

ELECTRICAL INDICATING INSTRUMENT

Leslie H. Middleton, La Crosse, Wis., assignor, by mesne assignments, to Moto Meter Gauge & Equipment Corporation, a corporation of Delaware (1935)

Application June 22, 1934, Serial No. 731,968
12 Claims. (Cl. 171—95)

1. In an electrical instrument, an armature, a frame, a coil having a constant field excitation and a coil having a variable field excitation, said coils being located on said frame at an angle to each other, an inflexible mounting for said coil having the constant field excitation, and adjust-



able means for moving said coil having the variable field excitation axially toward and away from said armature, and also in a plane perpendicular to the axis of said armature.

2,040,061

QUATERNARY AMMONIUM COMPOUNDS

Ferdinand Münz, Frankfort-on-the-Main, and Karl Keller, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application October 5, 1934, Serial No. 747,078. In Germany October 21, 1933
4 Claims. (Cl. 8—5)

1. Compositions consisting essentially of quaternary ammonium compounds derived by peralkylation of a polyethylenepolyamine of the formula

$$H_2—N—(C_2H_4NH)_nC_2H_4NH_2$$

in association with a compound of the formula

$$(C_2H_4NH)_n,$$

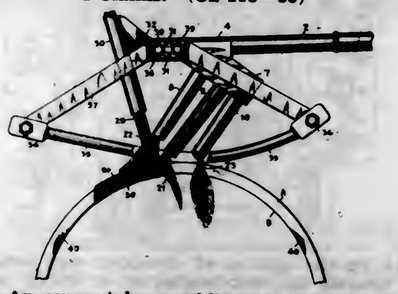
n in both formulae standing for a number greater than 2 which compositions are characterized by the property, on after-treatment therewith of dyeings on cellulose materials by means of substantive dyestuffs, of substantially improving the fastnesses of such dyeings to water, perspiration, boiling acids, and washing.

2,040,062

WELDING TORCH APPARATUS

William R. Ost, Verona, and Howard G. Hughey, Irvington, N. J., assignors to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application October 29, 1932, Serial No. 640,156
4 Claims. (Cl. 113—59)



1. An oxyacetylene welding torch for welding seams between plate metal parts, with addition of metal from a welding rod into the V between beveled edges of the parts, said torch having a tip part comprising three orifice portions adapted to deliver a large welding flame, a plate-preheating flame and a rod-preheating flame, respectively, the plate-preheating portion having a plurality of orifices arranged to direct jets toward the two sides and near the top of the V.

4. Welding apparatus, comprising a welding torch, a rod guide connected to said torch, a support to rest on the work and maintain the torch and rod guide in definite relation thereto, said support comprising two laterally spaced runners, cross-members connecting the forward and rearward portions of said runners, and side frame members the ends of which are connected with the forward and rearward portions of the runners, said side frame members having center attaching portions and limbs which incline upward and inward thereto, and means for detachably securing said center portions to the torch.

2,040,063

DIRECT ACTION SHOCK ABSORBER

Joseph E. Padgett, Toledo, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application October 17, 1932, Serial No. 638,058
14 Claims. (Cl. 188—88)



2. In a shock absorber of the hydraulic type the combination of an elongated housing having therein a working cylinder adapted to contain a body of liquid, a piston operable in said cylinder, a rod extending into said cylinder for actuating said piston, a reservoir having restricted communication with said cylinder adjacent one end of the latter, said housing having a filling opening communicating with said cylinder substantially at said one end, and a check valve normally closing communication between the filling opening and cylinder.

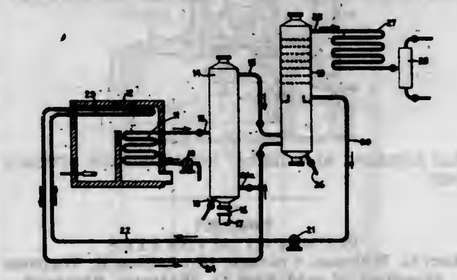
2,040,064

TREATING HYDROCARBON OILS

Albert G. Peterkin, Jr., Bryn Mawr, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania

Application August 29, 1931, Serial No. 560,086
3 Claims. (Cl. 196—48)

1. A combined cracking and coking process comprising passing a crude residuum through a heating zone and continuously applying heat to said crude residuum during its passage therethrough to raise it to a sufficiently high temperature to accomplish coking of the residual constituents thereof, passing said heated crude residuum from said heating zone directly to a coking zone wherein vaporizable and residual constituents thereof are separated, retaining the separated residual constituents in the coking zone wherein they are reduced to coke by their retained heat, directing the vaporized constituents from said coking zone into a separate distilling zone and then to a fractionating zone, passing a cycle condensate heavier than gasoline withdrawn from the fractionating zone through a heating zone and continuously applying heat to said cycle condensate during its passage therethrough to raise it



to an elevated cracking temperature, passing all of the products resulting from cracking the cycle condensate directly to said distilling zone, subjecting the vapors from the coking zone to fractionation and the products resulting from said cracking to distillation and fractionation in the aforementioned distilling and fractionating zones to form said aforementioned cycle condensate, a final overhead light distillate and a fuel oil residue which comprises the heaviest constituents formed in said distilling zone and separately withdrawing the fuel oil residue from the distilling zone without returning same to the process.

2,040,065

PROCESS OF MERCERIZING

Donald H. Powers, Moorestown, N. J., and Louis H. Bock, Bristol, Pa., assignors to Röhm & Haas Company, Philadelphia, Pa.

No Drawing. Application July 3, 1933, Serial No. 678,920
5 Claims. (Cl. 8—20)

1. A process of mercerizing which comprises treating cellulose bodies with a dilute aqueous solution of a quaternary benzyl ammonium hydroxide.

2,040,066

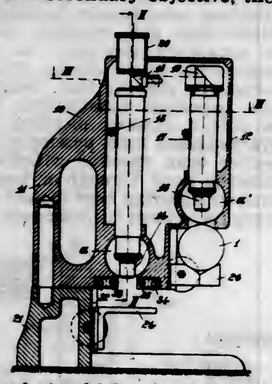
COMPARISON MICROSCOPE

Otto Ursinus, Rathenow, Germany, assignor to firm Emil Busch, Aktiengesellschaft, Optische Industrie, Rathenow, Germany

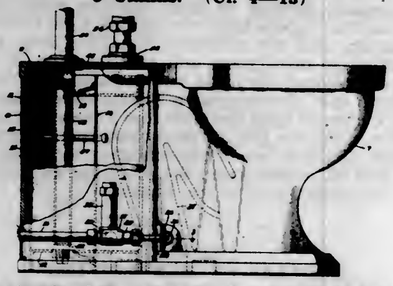
Application April 5, 1935, Serial No. 14,882
In Germany July 9, 1934
7 Claims. (Cl. 88—39)

1. In a comparison microscope the combination with a support having a step shaped base, of two objectives spaced from each other, a primary and a secondary one, which are adjustably mounted in said support with their central axes being parallel to each other, an eye piece mounted on said support coaxially to the bundle of light rays issuing from said primary objective, reflecting elements arranged underneath said eye piece in staggered position thereto, so as to redirect into said eye piece the bundle of light rays issuing from said secondary objective, and a stage adjustably attached to said support for coopera-

tion with the secondary objective, the latter being arranged at a higher level than the primary one.

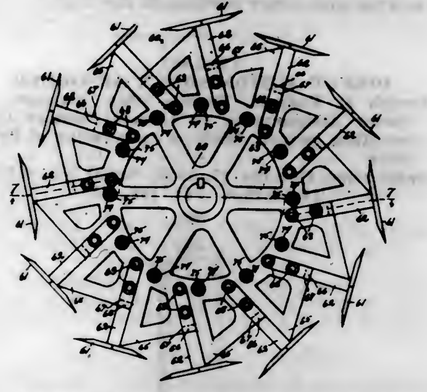


2,040,067
PLUMBING APPARATUS
Earl G. Watrous, Chicago, Ill.; Lillian K. Watrous executrix of said Earl G. Watrous, deceased
Application December 7, 1933, Serial No. 701,248
8 Claims. (Cl. 4—13)



1. A plumbing apparatus including a water closet having in integrally formed tank chamber, a pressure tank mounted in said chamber, a connection from a source of water supply to the tank, an outlet leading from the tank to the closet bowl, and a flush valve for controlling the discharge through said outlet.

2,040,068
APPARATUS FOR PREPARING SOIL FOR SEEDING
George J. Ziegler, Los Angeles, Calif., assignor of one-half to Conrad Wolf and one-fourth to William M. Gentle, both of Los Angeles, Calif.; George B. Shenk, guardian of said Conrad Wolf, infirm
Application August 4, 1934, Serial No. 738,496
9 Claims. (Cl. 97—215)



1. An apparatus for preparing soil for seeding, including a disk, blades, forked shanks to which said blades are secured, said shanks secured to said disk so the butts thereof are extended in to peripheral recesses in said disks, teeth on said disk for reinforcing said shank to adjacent their outer ends and means for rotating said disk to cause said blades to slice the soil.

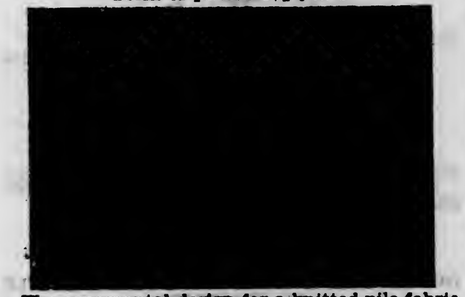
DESIGNS
MAY 5, 1936

99,493
DESIGN FOR A KNITTED PILE FABRIC
Samuel H. Aibel, New York, N. Y.
Application April 4, 1936, Serial No. 61,952
Term of patent 3½ years



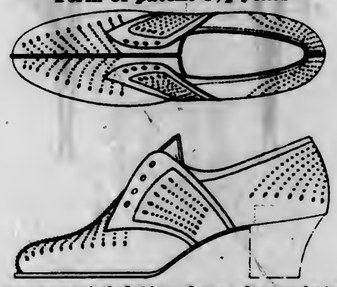
The ornamental design for a knitted pile fabric substantially as shown.

99,494
DESIGN FOR A KNITTED PILE FABRIC
Samuel H. Aibel, New York, N. Y.
Application April 4, 1936, Serial No. 61,953
Term of patent 3½ years



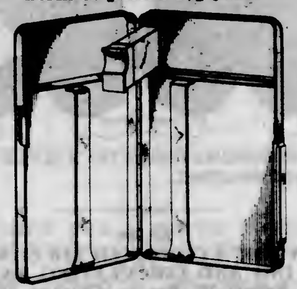
The ornamental design for a knitted pile fabric substantially as shown.

99,495
DESIGN FOR A SHOE
Jerome Edson Andrews, Andover, Mass.
Application March 27, 1936, Serial No. 61,816
Term of patent 3½ years



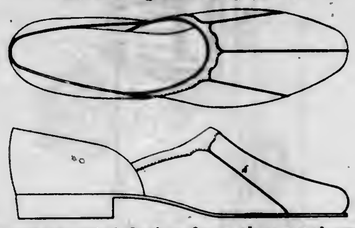
The ornamental design for a shoe substantially as shown.

99,496
DESIGN FOR A COMBINED CIGARETTE CASE AND LIGHTER OR THE LIKE
William F. Bowen, North Attleboro, Mass., assignor to Evans Case Company, a corporation of Massachusetts
Application February 7, 1936, Serial No. 61,035
Term of patent 3½ years



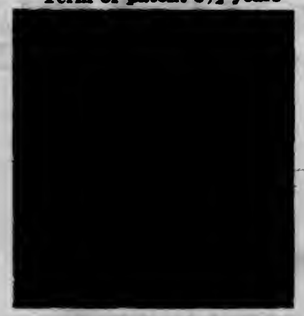
The ornamental design for a combined cigarette case and lighter or the like as shown and described.

99,497
DESIGN FOR A SHOE
Everett Bradley, Haverhill, Mass.
Application February 7, 1936, Serial No. 61,013
Term of patent 3½ years



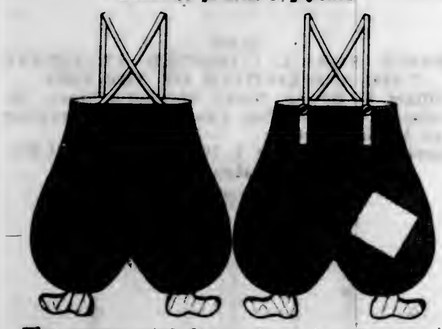
The ornamental design for a shoe as shown and described.

99,498
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
William Cleverly, West New York, N. J.
Application April 8, 1936, Serial No. 61,997
Term of patent 3½ years



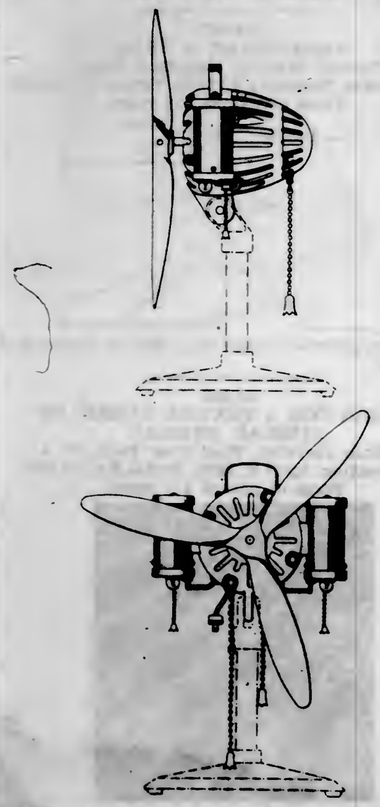
The ornamental design for a textile fabric or similar article as shown.

99,499
DESIGN FOR A LAUNDRY BAG
Bennett C. Creed, Hinsdale, Ill.
Application December 3, 1934, Serial No. 54,232
Term of patent 3½ years



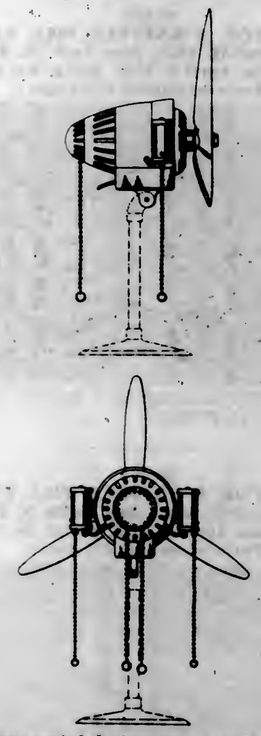
The ornamental design for a laundry bag, as shown and described.

99,500
DESIGN FOR A COMBINED AIR CONDITIONING AND CIRCULATING FAN
Robert W. Devore, Chicago, Ill.
Application August 27, 1935, Serial No. 58,326
Term of patent 7 years



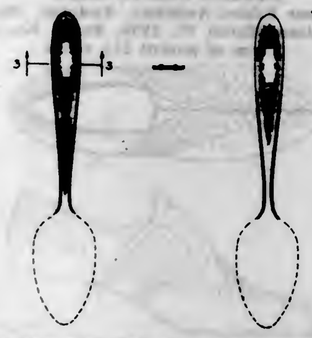
The ornamental design for a combined air conditioning and circulating fan, as shown.

99,501
DESIGN FOR A COMBINED AIR CONDITIONING AND CIRCULATING FAN
Robert W. Devore, Chicago, Ill.
Application August 27, 1935, Serial No. 58,327
Term of patent 7 years



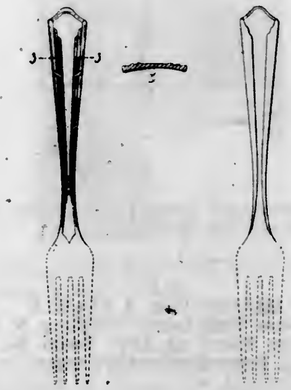
The ornamental design for a combined air conditioning and circulating fan, as shown.

99,502
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Marwood A. Downs, Muncie, Ind., assignor to Ontario Manufacturing Company, Muncie, Ind., a corporation
Application March 13, 1936, Serial No. 61,618
Term of patent 14 years



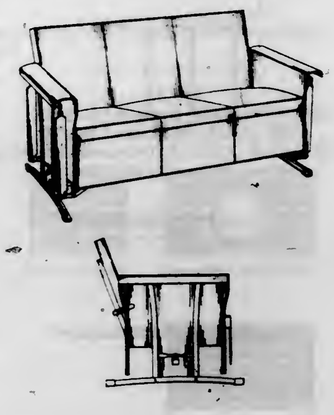
The ornamental design for a spoon or other article of flatware, substantially as shown.

99,503
DESIGN FOR A FORK OR OTHER ARTICLE OF FLATWARE
Bernard Ellerstein, New York, N. Y., assignor to J. Busch, Inc., New York, N. Y., a corporation of New York
Application March 2, 1936, Serial No. 61,441
Term of patent 7 years



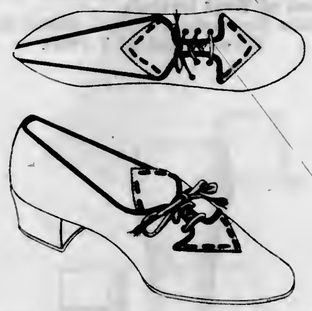
The ornamental design for a fork or other article of flatware, substantially as shown.

99,504
DESIGN FOR A GLIDER
Edward S. Goldberg, Philadelphia, Pa.
Application February 13, 1936, Serial No. 61,129
Term of patent 7 years



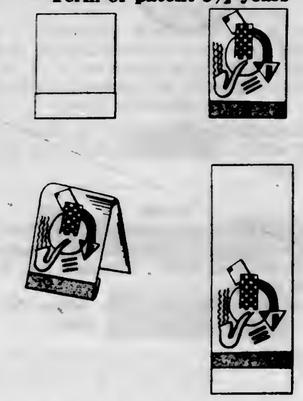
The ornamental design for a glider, as shown.

99,505
DESIGN FOR A SHOE
Leo Goodkind, Woodmere, N. Y.
Application March 4, 1936, Serial No. 61,477
Term of patent 3½ years



The ornamental design for a shoe as shown.

99,506
DESIGN FOR A MATCH COVER
Robert Goodman and Charles Nabelle, New York, N. Y.
Application February 26, 1936, Serial No. 61,363
Term of patent 3½ years



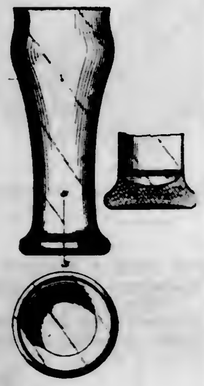
The ornamental design for a match cover, substantially as shown, and described.

99,507
DESIGN FOR A CUFF LINK
Viola T. Howard, Saylesville, R. I., assignor to The Baer & Wilde Co., Inc., a corporation of Massachusetts
Application January 24, 1936, Serial No. 60,763
Term of patent 3½ years



The ornamental design for a cuff link, substantially as shown.

99,508
DESIGN FOR A SHAM PILSENER TUMBLER OR SIMILAR ARTICLE
James A. Hutchison, Chicago, Ill., assignor to Central Glass Works, Wheeling, W. Va., a corporation of West Virginia
Application November 15, 1935, Serial No. 59,590
Term of patent 7 years



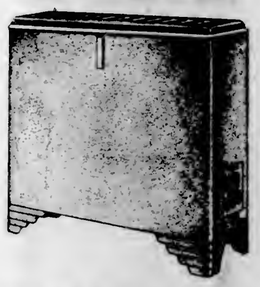
The ornamental design for a sham pilsener tumbler or similar article, substantially as shown and described.

99,509
DESIGN FOR A LIQUID DISPENSER
Sol Joseph Jacobs, Chicago, Ill., assignor to Libby, McNeill & Libby, Chicago, Ill., a corporation of Maine
Application November 16, 1935, Serial No. 59,613
Term of patent 7 years



The ornamental design for a liquid dispenser, as shown.

99,510
DESIGN FOR A HEATER
Bertrand B. Kahn, Cincinnati, Ohio, assignor to The Estate Stove Company, Hamilton, Ohio, a corporation of Ohio
Application August 5, 1935, Serial No. 57,958
Term of patent 7 years



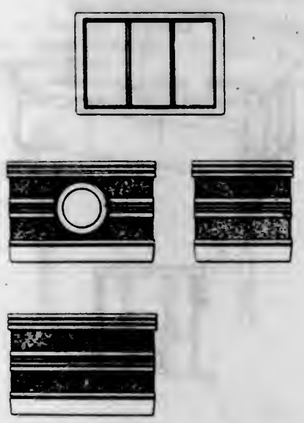
The ornamental design for a heater, substantially as shown and described.

99,511
DESIGN FOR A BUCKLE
William Scott Laurie, Flushing, N. Y.
Application March 27, 1936, Serial No. 61,825
Term of patent 3½ years



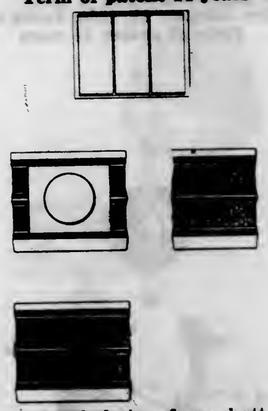
The ornamental design for a buckle substantially as shown.

99,512
DESIGN FOR A BATTERY BOX
Raymond Le Clercq, Los Angeles, Calif.
Application January 7, 1936, Serial No. 60,468
Term of patent 14 years



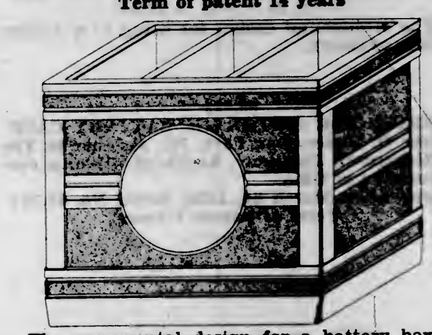
The ornamental design for a battery box as shown.

99,513
DESIGN FOR A BATTERY BOX
Raymond Le Clercq, Los Angeles, Calif.
Application January 25, 1936, Serial No. 60,800
Term of patent 14 years



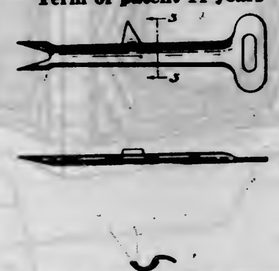
The ornamental design for a battery box as shown and described.

99,514
DESIGN FOR A BATTERY BOX
Raymond Le Clercq, Los Angeles, Calif.
Application February 11, 1936, Serial No. 61,089
Term of patent 14 years



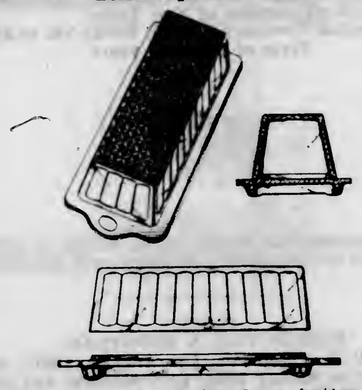
The ornamental design for a battery box as shown.

99,515
DESIGN FOR A CAN OPENER
Geno Lesti, Cleveland, Ohio
Application November 4, 1935, Serial No. 59,373
Term of patent 14 years



The ornamental design for a can opener, substantially as shown.

99,516
DESIGN FOR A BUTTER DISH
Albert Lowenfels, White Plains, N. Y.
Application February 25, 1936, Serial No. 61,336
Term of patent 14 years



The ornamental design for a butter dish, as shown.

99,517
DESIGN FOR A BELT FOR PERSONAL WEAR
Daniel T. Manning, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application January 30, 1936, Serial No. 60,903
Term of patent 3½ years



The ornamental design for a belt for personal wear as shown and described.

99,518
DESIGN FOR A SHOE
Samuel J. Meyer, New York, N. Y.
Application March 26, 1936, Serial No. 61,794
Term of patent 3½ years



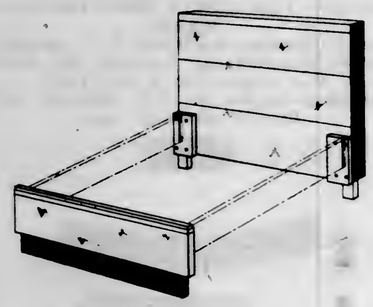
The ornamental design for a shoe substantially as shown.

99,519
DESIGN FOR AN INITIAL OR OTHER CHARACTER BEARING HOLDER
Edwin S. Mix, Rochester, N. Y., assignor to Hickok Manufacturing Company, Rochester, N. Y., a corporation of New York
Application February 1, 1936, Serial No. 60,951
Term of patent 7 years



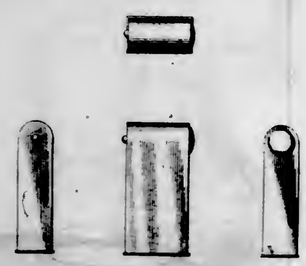
The ornamental design for an initial or other character bearing holder, as shown and described.

99,520
DESIGN FOR A BEDSTEAD
Marshall C. Pumphrey, Los Angeles, Calif., assignor to Barker Bros. Incorporated, Los Angeles, Calif.
Application November 26, 1935, Serial No. 59,771
Term of patent 3½ years



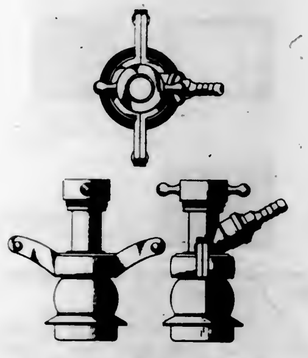
The ornamental design for a bedstead as shown.

99,521
DESIGN FOR A FLASHLIGHT OR THE LIKE
Alfred F. Reilly, North Attleboro, Mass., assignor to Evans Case Company, a corporation of Massachusetts
Application March 20, 1936, Serial No. 61,706
Term of patent 3½ years



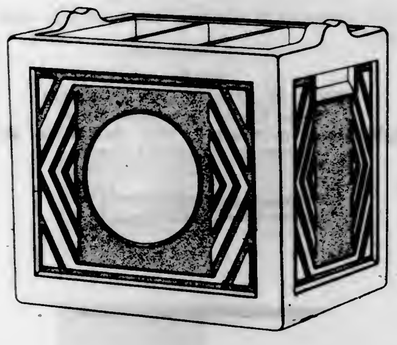
The ornamental design for a flash light or the like as shown.

99,522
DESIGN FOR A TAP OR SIMILAR ARTICLE
Frank E. Rice, Detroit, Mich., assignor to American Tap-Bush Company, Detroit, Mich., a corporation of Delaware
Application January 27, 1936, Serial No. 60,844
Term of patent 14 years



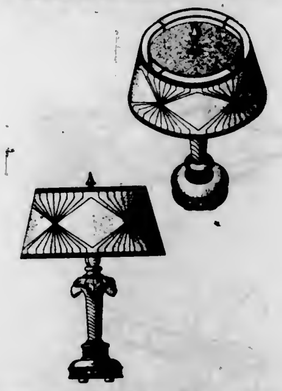
The ornamental design for a tap or a similar article as shown.

99,523
DESIGN FOR A STORAGE BATTERY CASE
Oliver O. Rieser, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application March 20, 1936, Serial No. 61,713
Term of patent 7 years



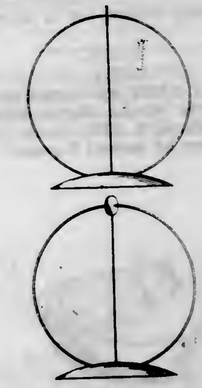
The ornamental design for a storage battery case, as shown and described.

99,524
DESIGN FOR A LAMP
Lawrence Rosenfeld, New York, N. Y.
Application February 18, 1936, Serial No. 61,219
Term of patent 3½ years



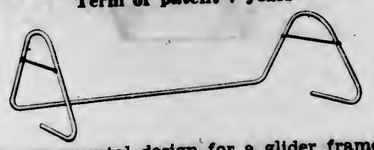
The ornamental design for a lamp, substantially as shown and described.

99,525
DESIGN FOR A PAPER FILE
Helen L. Schridde, Philadelphia, Pa.
Application February 13, 1936, Serial No. 61,127
Term of patent 14 years



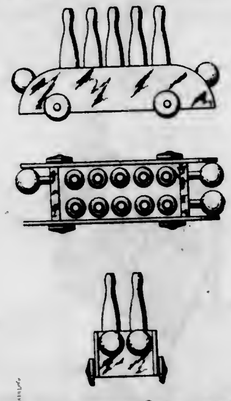
The ornamental design for a paper file as shown and described.

99,526
DESIGN FOR A GLIDER FRAME
Milton B. Smith, Perrysburg, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application March 11, 1936, Serial No. 61,577
Term of patent 7 years



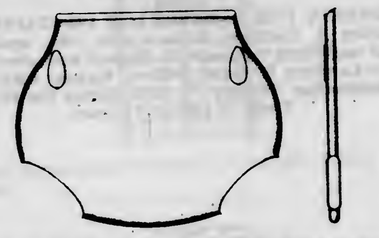
The ornamental design for a glider frame, as shown.

99,527
DESIGN FOR A TOY WAGON OR SIMILAR ARTICLE
Carl P. Sollmann, Montclair, N. J.
Application March 23, 1936, Serial No. 61,736
Term of patent 3½ years



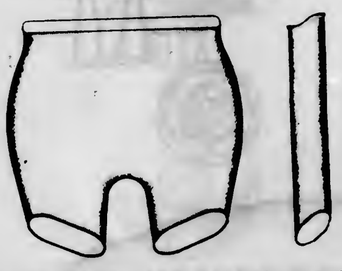
The ornamental design for a toy wagon or similar article substantially as shown.

99,528
DESIGN FOR BABY PANTS
Abraham N. Spánel, Rochester, N. Y.
Application January 31, 1936, Serial No. 60,912
Term of patent 14 years



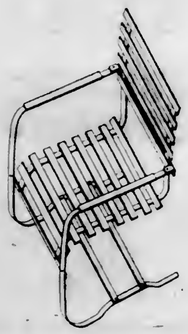
The ornamental design for baby pants substantially as shown.

99,529
DESIGN FOR LATEX PANTS
Abraham N. Spánel, Rochester, N. Y.
Application February 8, 1936, Serial No. 61,041
Term of patent 14 years



The ornamental design for latex pants substantially as shown and described.

99,530
DESIGN FOR A CHAIR
William F. Spencer 3rd, Muncie, Ind., assignor to Richmond School Furniture Co., Muncie, Ind.
Application January 16, 1936, Serial No. 60,624
Term of patent 3½ years



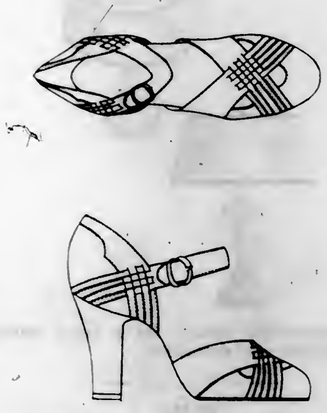
The ornamental design for a chair, as shown.

99,531
DESIGN FOR A BEVERAGE CONTAINER
Marion A. Sterling, Kansas City, Mo., assignor of one-third to Arnold R. Mooers and one-third to Landren B. Hunt, both of Kansas City, Mo.
Application October 17, 1935, Serial No. 59,091
Term of patent 14 years



The ornamental design for a beverage container substantially as shown.

99,532
DESIGN FOR A SHOE
Karl M. Stone, Merrick, N. Y.
Application March 25, 1936, Serial No. 61,777
Term of patent 3½ years



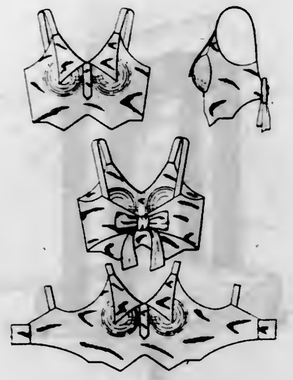
The ornamental design for a shoe as shown.

99,533
DESIGN FOR A DISH OR SIMILAR ARTICLE
Mitteldorfer Straus, Richmond, Va.
Application March 9, 1936, Serial No. 61,530
Term of patent 7 years



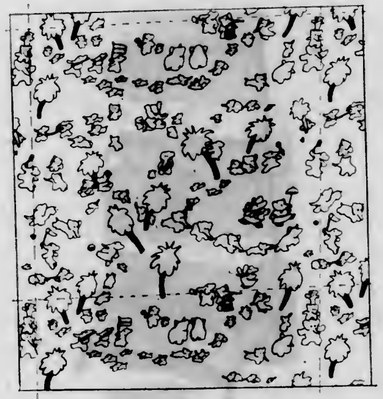
The ornamental design for a dish or similar article, as shown.

99,534
DESIGN FOR A BRASSIÈRE VEST
Sara Stein, Brooklyn, N. Y.
Application April 2, 1936, Serial No. 61,910
Term of patent 14 years



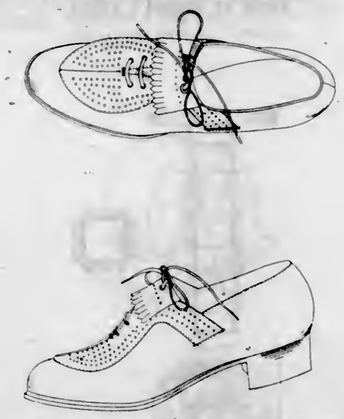
The ornamental design for a brassière vest substantially as shown.

99,535
DESIGN FOR A TEXTILE FABRIC
Philip A. Vogelman, New York, N. Y., assignor to Onondaga Silk Company, Inc., New York, N. Y.
Application February 14, 1936, Serial No. 61,175
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown and described.

99,536
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Burton L. Wales, Abington, Mass.
Application March 26, 1936, Serial No. 61,793
Term of patent 3½ years

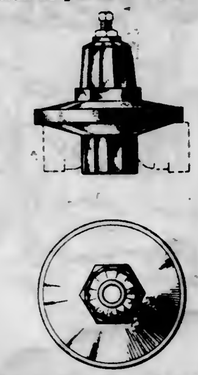


The ornamental design for a shoe or similar article, substantially as shown.

99,537
DESIGN FOR A CURTAIN FABRIC
Israel Weinrub, New York, N. Y.
Application February 20, 1936, Serial No. 61,263
Term of patent 3½ years

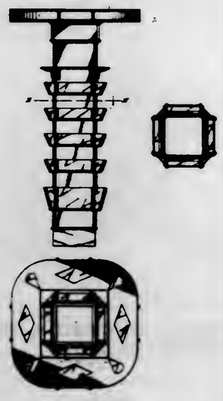
The ornamental design for a curtain fabric, as shown.

99,538
DESIGN FOR A VALVE
William T. Birch, Chicago, Ill.
Application December 21, 1935, Serial No. 60,223
Term of patent 14 years



The ornamental design for a valve, as shown and described.

99,539
DESIGN FOR A DISPLAY RACK
Walton M. Bodine and Walter C. Marshall, Kansas City, Mo.
Application February 17, 1936, Serial No. 61,212
Term of patent 7 years



The ornamental design for a display rack as shown.

99,540
DESIGN FOR A SHOE
Raymond A. Chenoweth, Arlington, Mass.
Application December 13, 1935, Serial No. 60,040
Term of patent 14 years



The ornamental design for a shoe, substantially as shown and described.

99,541
DESIGN FOR A GREASE GUN RACK
Arthur Fuller Dean, Winnetka, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application February 10, 1936, Serial No. 61,065
Term of patent 14 years



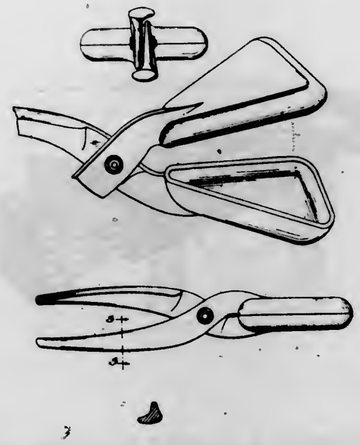
The ornamental design for a grease gun rack, as shown.

99,542
DESIGN FOR A GREASE GUN RACK
Arthur Fuller Dean, Winnetka, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application February 10, 1936, Serial No. 61,067
Term of patent 14 years



The ornamental design for a grease gun rack, as shown.

99,543
DESIGN FOR A MOLD FOR LAMB PATTIES OR THE LIKE
Harvey Geroux, Los Angeles, Calif.
Application August 13, 1935, Serial No. 58,097
Term of patent 7 years



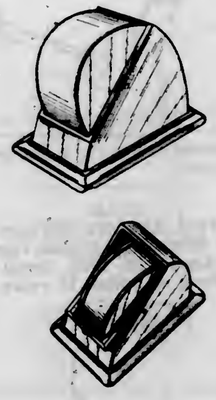
The ornamental design for a mold for lamb patties or the like, as shown and described.

99,544
DESIGN FOR A CAMERA OR SIMILAR ARTICLE
Otto W. Githens and George Kende, New York, N. Y., assignors to Universal Camera Corporation, New York, N. Y., a corporation of New York
Application March 23, 1936, Serial No. 61,744
Term of patent 14 years



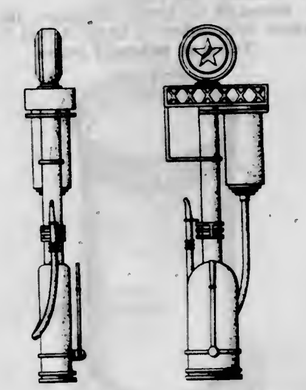
The ornamental design for a camera or similar article substantially as shown and described.

99,545
DESIGN FOR A DISPLAY CONTAINER FOR JEWELRY OR SIMILAR ARTICLES
John Guttman, Brooklyn, N. Y., assignor to Arrow Manufacturing Company, Inc., Hoboken, N. J., a corporation of New Jersey
Application February 29, 1936, Serial No. 61,425
Term of patent 7 years



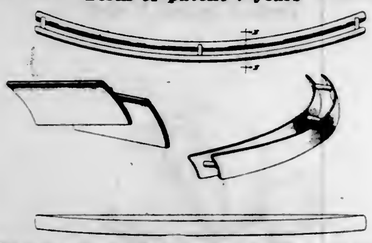
The ornamental design for a display container for jewelry or similar articles as shown.

99,546
DESIGN FOR A GASOLINE DISPENSING PUMP
George T. Hudspeth, Dallas, Tex.
Application October 21, 1935, Serial No. 59,176
Term of patent 14 years



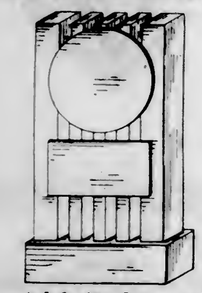
The ornamental design for a gasoline dispensing pump as shown.

99,547
DESIGN FOR A BUMPER OR SIMILAR ARTICLE
Herbert S. Jandus and Bladen M. Short, Detroit, Mich.
Application September 4, 1934, Serial No. 53,198
Term of patent 7 years



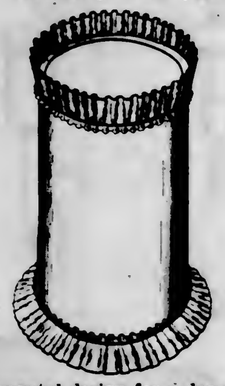
The ornamental design for a bumper or similar article, as shown.

99,548
DESIGN FOR AN ADVERTISING SIGN
Ranch S. Kimball, Salt Lake City, Utah
Application August 16, 1935, Serial No. 58,156
Term of patent 14 years



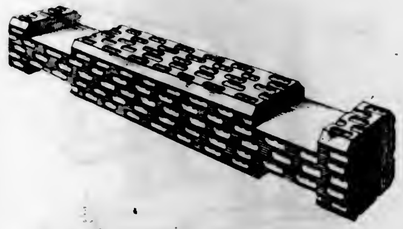
The ornamental design for an advertising sign, as shown.

99,549
DESIGN FOR A DECORATIVE WATERPROOF COVERING FOR CLEANSER CANS AND SOAP FLAKE BOXES
Bernard G. Klein, Chicago, Ill.
Application September 3, 1935, Serial No. 58,416
Term of patent 7 years



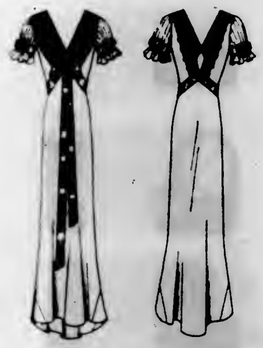
The ornamental design for a decorative waterproof covering for cleanser cans and soap flake boxes substantially as shown and described.

99,550
DESIGN FOR A TOY BUILDING LOG
Nils I. Paulson, Chicago, Ill., assignor to Halsam Products Company, Chicago, Ill., a corporation of Illinois
Application October 31, 1935, Serial No. 59,299
Term of patent 14 years



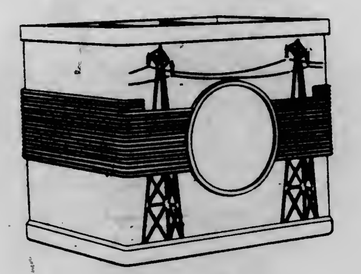
The ornamental design for a toy building log substantially as shown.

99,551
DESIGN FOR A NIGHTGOWN
Sylvia S. Pedlar, New York, N. Y.
Application April 13, 1936, Serial No. 62,075
Term of patent 3½ years



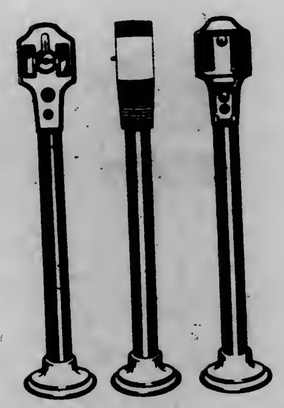
The ornamental design for a nightgown, substantially as shown.

99,552
DESIGN FOR A STORAGE BATTERY CASE
Carl Reynolds, Jr., Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 4, 1936, Serial No. 60,420
Term of patent 7 years



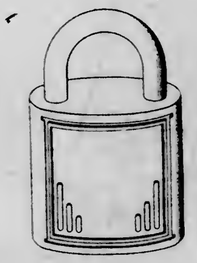
The ornamental design for a storage battery case substantially as shown and described.

99,553
DESIGN FOR A PARKING METER
Noel Marshall Seeburg, Chicago, Ill., and William N. Woodruff and James A. Shelley, Houston, Tex.
Application March 16, 1936, Serial No. 61,640
Term of patent 14 years



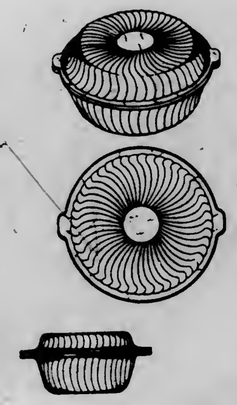
The ornamental design for a parking meter as shown.

99,554
DESIGN FOR A PADLOCK
Samuel C. Slaymaker, Lancaster, Pa., assignor to The Slaymaker Lock Co., Lancaster, Pa., a corporation of Pennsylvania
Application March 26, 1936, Serial No. 61,801
Term of patent 7 years



The ornamental design for a padlock, substantially as shown and described.

99,555
DESIGN FOR A COMBINED BAKING AND SERVING DISH OR SIMILAR ARTICLE
Maurice A. Smith, Jeannette, Pa.
Application January 9, 1936, Serial No. 60,492
Term of patent 14 years



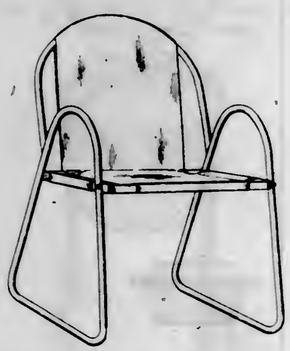
The ornamental design for a combined baking and serving dish or similar article as shown.

99,556
DESIGN FOR AN ARMCHAIR
Milton B. Smith, Perrysburg, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application March 11, 1936, Serial No. 61,578
Term of patent 7 years



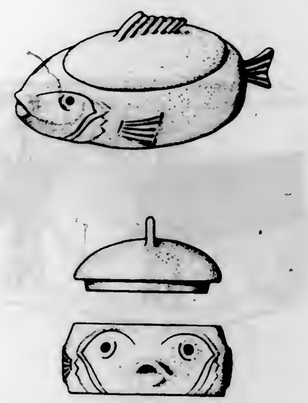
The ornamental design for an armchair, as shown.

99,557
DESIGN FOR A CHAIR
Milton B. Smith, Perrysburg, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application March 11, 1936, Serial No. 61,581
Term of patent 7 years



The ornamental design for a chair, as shown.

99,558
DESIGN FOR A DISH OR SIMILAR ARTICLE
Mitteldorfer Straus, Richmond, Va.
Application March 9, 1936, Serial No. 61,531
Term of patent 7 years



The ornamental design for a dish or similar article, as shown.

99,559
DESIGN FOR A GREASE GUN RACK
Arthur Fuller Dean, Winnetka, Ill., assignor to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application February 10, 1936, Serial No. 61,066
Term of patent 14 years



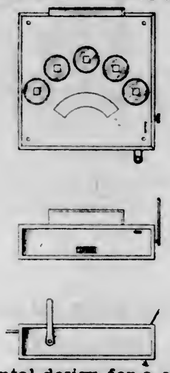
The ornamental design for a grease gun rack as shown.

99,560
DESIGN FOR A DISPLAY STAND FOR FOOD OR SIMILAR ARTICLE
Emil Greuter, Zurich, Switzerland
Application July 3, 1935, Serial No. 57,515
In Belgium April 23, 1935
Term of patent 7 years



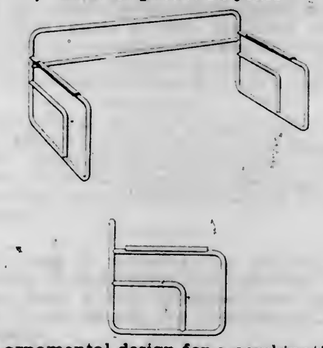
The ornamental design for a display stand for food or similar article, as shown.

99,561
DESIGN FOR A COLLECTION BOX FOR SALES TAX
William Arthur Honeyman, San Anselmo, Calif.
Application February 21, 1936, Serial No. 61,292
Term of patent 3½ years



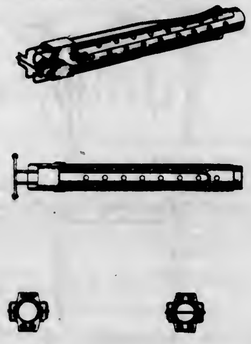
The ornamental design for a collection box for sales tax, as shown and described.

99,562
DESIGN FOR A COMBINATION BACK AND ARM REST FOR A COUCH OR SIMILAR ARTICLE OF FURNITURE
Gustave A. Johnson, Weymouth, Mass., assignor to New England Bedding Company, Medford, Mass., a corporation of Massachusetts
Application March 13, 1936, Serial No. 61,621
Term of patent 14 years



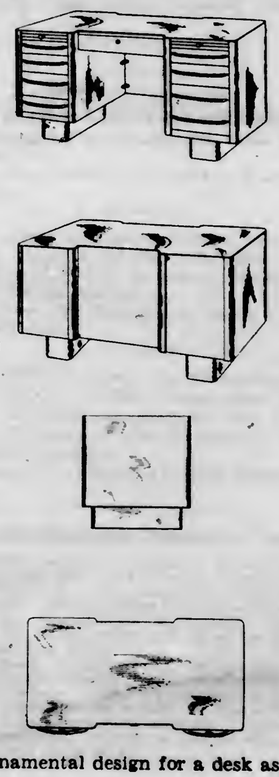
The ornamental design for a combination back and arm rest for a couch or similar article of furniture, as shown.

99,563
DESIGN FOR A HAIR CURLER
William H. Schmitt, St. Paul, Minn.
Application July 12, 1935, Serial No. 57,604
Term of patent 14 years



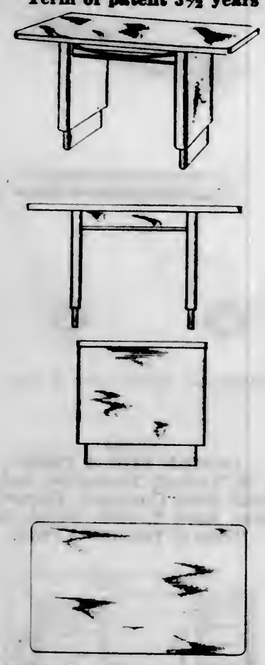
The ornamental design for a hair curler as shown.

99,564
DESIGN FOR A DESK
Benjamin H. Talbert, Evansville, Ind., assignor to Imperial Desk Company, Evansville, Ind.
Application April 2, 1936, Serial No. 61,901
Term of patent 3½ years



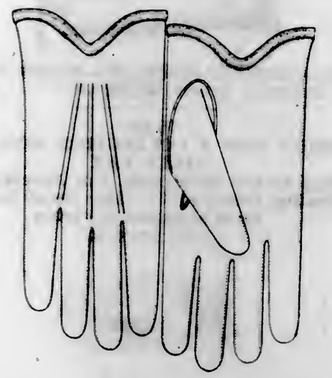
The ornamental design for a desk as shown.

99,565
DESIGN FOR A TABLE
Benjamin H. Talbert, Evansville, Ind., assignor to Imperial Desk Company, Evansville, Ind.
Application April 2, 1936, Serial No. 61,902
Term of patent 3½ years



The ornamental design for a table as shown.

99,566
DESIGN FOR A GLOVE
Wallace E. Meyers, New York, N. Y.
Application April 3, 1936, Serial No. 61,918
Term of patent 3½ years



The ornamental design for a glove, substantially as shown.

Patents Nos. 2,040,069 to 2,040,816

THE OFFICIAL GAZETTE OF THE United States Patent Office

Vol. 466—No. 2 **TUESDAY, MAY 12, 1936** **Price—$16 per year**

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $10.00 per annum, including annual index, $10.75; single numbers, 25 cents each.
PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.
CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
ISSUE OF MAY 12, 1936	239
DISCLAIMERS	239
NOTICE REGARDING PAYMENT OF FEES	239
APPLICATIONS UNDER EXAMINATION	240
DECISIONS OF THE U.S. COURTS—	
Wine Railway Appliance Company *v.* Enterprise Railway Equipment Company	241
Bissell Carpet Sweeper Co., a Corporation, *v.* Coe, Commissioner of Patents	243
In re Ball	244
PATENT SUITS	245
ADVERSE DECISIONS IN INTERFERENCE	246
NOTICES OF CANCELLATION	246
TRADE-MARKS PUBLISHED (10S APPLICATIONS)	247
TRADE-MARK REGISTRATIONS GRANTED	271
TRADE-MARK REGISTRATIONS RENEWED	281
LABELS	284
PRINTS	284
REISSUES	286
PLANT PATENTS	287
PATENTS GRANTED	288
DESIGNS	457

May 12, 1936

Trade-Marks	237—No.	334,623 to No.	334,859, inclusive.
T. M. Renewals	77		
Labels	8—No.	47,474 to No.	47,481, inclusive.
Prints	19—No.	15,687 to No.	15,705, inclusive.
Reissues	11—No.	19,960 to No.	19,970, inclusive.
Plant Patents	1—No.	177.	
Patents	748—No.	2,040,069 to No.	2,040,816, inclusive.
Designs	101—No.	99,567 to No.	99,667, inclusive.
Total	1,202		

Disclaimers

1,392,584.—*Frank B. Lewis* and *Thomas S. Cooke*, Whiting, Ind. ART OF DISTILLING PETROLEUM OILS. Patent dated October 4, 1921. Disclaimer filed April 18, 1936, by the assignee, *Standard Oil Company*.

Hereby enters this disclaimer to that part of the specification which constitutes claims 1, 3, 4, 5, 6, and 7.

1,844,730.—*John M. Whelton*, Peabody, Mass. LASTING AND SEWING MACHINE. Patent dated February 9, 1932. Disclaimer filed April 10, 1936, by the assignee, *United Shoe Machinery Corporation*.

Hereby enters this disclaimer to claim 13 of said Letters Patent.

1,848,640.—*John B. McCaulley*, San Francisco, Calif. RAILWAY TRAFFIC CONTROLLING APPARATUS. Patent dated March 8, 1932. Disclaimer filed April 22, 1936, by the assignee, *The Union Switch & Signal Company*.

Hereby disclaims the subject matter of claims 1, 2, 4, 5, 6, 7, 8, and 9.

1,851,526.—*Edward J. Shaeffer* and *Eugene P. Brown*, Whiting, Ind. CRACKING SYSTEM. Patent dated March 29, 1932. Disclaimer filed April 18, 1936, by the assignee, *Standard Oil Company*.

Hereby enters this disclaimer to that part of the specification which constitutes claim 1.

1,930,926.—*Karl Zahn*, *Kurt Schimmelschmidt*, and *Heinrich Koch*, of Frankfort-on-the-Main Hochst, Germany. HYDROXYCARBOXYLIC ACID ARYLIDES. Patent dated November 28, 1933. Disclaimer filed April 16, 1936, by the assignee, *General Aniline Works, Inc.*

Hereby enters this disclaimer to claims 1, 2, 3, and 4.

1,937,564.—*Alfred H. Grebe*, Hollis, N. Y. RADIO RECEIVING APPARATUS. Patent dated December 5, 1933. Disclaimer filed by the assignee, *Radio Corporation of America*.

Hereby enters disclaimer to claims 1, 6, and 7 of said Letters Patent.

1,951,884.—*Robert B. Seward*, Guilford, Conn. FOLDING TABLE. Patent dated March 20, 1934. Disclaimer filed April 23, 1936, by the assignee, *Ferguson Brothers Manufacturing Company*.

Hereby enters this disclaimer to claims 6, 9, and 10 in said specification.

2,102,747.—*John W. Logan, Jr.*, Wilkinsburg, Pa. VEHICLE BRAKING SYSTEM. Patent dated August 27, 1935. Disclaimer filed April 11, 1936, by the patentee; the assignee, *The Westinghouse Air Brake Company*, consenting.

Hereby enters this disclaimer to claim 28 of said patent.

Notice Regarding Payment of Fees

All fees must be paid in advance. Payment of money required for Office fees *must* be made in specie, Treasury notes, national-bank notes, post-office money orders, or certified checks. Money orders and checks must be made payable to the "Commissioner of Patents." Money sent by mail to the Patent Office will be at the risk of the sender. (See Rule 194.)

Certified checks, bank drafts, express and foreign money orders must be immediately negotiable in this country and for the full amount of the fee required by the Patent Office. No allowance can be made by this Office for any charge for their collection or exchange. Postage stamps will not be accepted. Failure to comply with the above instructions will cause delay.

Condition of Applications Under Examination at Close of Business April 25, 1936

(Total number of applications awaiting action, excluding Trade-Mark Division, 32,166; Trade-Mark Division, 1,469. Oldest new case, December 26, 1935; oldest amended, December 23, 1935. The dates given are 1936 except where † indicates 1935)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application awaiting action	Oldest amended application awaiting action	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Feb. 29	Mar. 2	301
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Velocipedes; Butchering; Bee Culture.	Jan. 8	Jan. 7	765
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Jan. 27	Jan. 25	565
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Jan. 29	Jan. 27	489
3638	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc	Jan. 27	Feb. 1	478
4905 C	6. LEWERS, A. M., Carbon Chemistry	Feb. 4	Feb. 3	495
5735	7. JARBOE, C. G., Optics; Photography	Feb. 13	Feb. 13	728
3689	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Feb. 19	Feb. 19	430
4934	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Mar. 4	Mar. 3	318
8017	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Mar. 2	Mar. 6	243
8067B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Jan. 28	Jan. 31	460
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	Jan. 23	Jan. 25	421
8088	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Feb. 27	Feb. 26	344
8097	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Jan. 23	Jan. 24	575
4997	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	Feb. 11	Feb. 11	699
3612	16. SPENCER, C. J., Telegraphy; Telephony	Jan. 25	Jan. 25	523
8091	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Jan. 31	Jan. 28	636
4612	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Jan. 14	Jan. 13	424
4096	19. KENNEDY, A. B., Furnaces and Stoves; Fuel Burners	Jan. 27	Jan. 25	548
8513	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking	Feb. 4	Feb. 3	288
7788	21. THOMPSON, T. J., Textiles; Cloth Finishing	Feb. 4	Feb. 5	528
8724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Jan. 20	Jan. 20	547
7624	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	†Dec. 26	†Dec. 27	509
8053	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Feb. 5	Feb. 5	446
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Jan. 29	Jan. 25	518
5603	26. ADAMS, W. M., Electricity, Generation; Motive Power	Feb. 20	Feb. 19	316
4708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	Jan. 25	Jan. 25	446
4698	28. BENSON, A. R., Internal-Combustion Engines	Feb. 3	Jan. 15	419
8083	29. SHKLARIN, J. B. (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Supports, Tables.	Feb. 14	Feb. 14	347
4074	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Jan. 25	Jan. 25	562
4716	31. DUNCOMBE, C. S. (Act.), Gas Heating and Illuminating; Mineral Oils	Jan. 29	Jan. 30	486
4088	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Feb. 10	Feb. 11	428
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads and Pavements.	Feb. 7	Feb. 24	493
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Jan. 28	Jan. 25	496
3600	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Filling and Closing Portable Receptacles.	Jan. 27	Jan. 27	569
7088	36. McFADYEN, A. D., Measuring Instruments; Force Measuring; Automatic Weighers	Mar. 2	Mar. 5	211
5686 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Jan. 30	Jan. 28	528
7510	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stonework; Walls; Plastic Compositions.	Feb. 10	Feb. 12	395
4872	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Feb. 26	Mar. 9	276
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Jan. 11	Jan. 17	976
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spacing Devices; Typewriting Machines.	Jan. 28	Jan. 25	505
8082	42. CUTTING, H. O., Electric Signaling	Jan. 31	Jan. 24	389
4086 B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Jan. 30	Jan. 27	647
4087 B	44. SHAFFER, C. H., Refrigeration; Dispensing Beverages	Jan. 29	Jan. 27	604
7097	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors, Valve-Operating Mechanism; Engine Cooling.	Feb. 27	Feb. 29	265
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements.	Jan. 27	Feb. 5	432
7600	47. BARKER, H., Clutches; Brakes	Feb. 7	Feb. 8	497
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Jan. 30	Jan. 29	450
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Feb. 17	Feb. 24	405
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	Jan. 15	Jan. 15	882
5623	51. BACKUS, C. D., Radiant Energy	Feb. 15	Feb. 15	553
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housings; Laminated Packing.	Feb. 5	Jan. 27	496
6397	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Jan. 26	Jan. 26	621
5374	54. WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	Jan. 31	Jan. 30	392
6887	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Jan. 6	†Dec. 23	765
4725	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation	Feb. 3	Feb. 3	714
3625	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Exercising Devices.	Feb. 25	Feb. 20	258
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Jan. 23	Jan. 27	396
4709	59. RICHARD, V. I., Chemistry; Fertilizers	Feb. 17	Feb. 17	557
5696	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Feb. 25	Feb. 25	265
6724	61. PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus.	Jan. 30	Feb. 7	276
3676	62. COCHRAN, W. W., Games; Geometrical Instruments	Feb. 13	Feb. 27	377
4089	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	Jan. 27	Jan. 27	458
4705	64. MASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel; Alcohol.	Feb. 8	Feb. 8	679
5694	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Jan. 3	Jan. 3	646
2089 B	Trade-Marks, Labels, and Prints: F. A. RICHMOND	Trade-Marks	Mar. 20	Apr. 10	1,265
		Labels and Prints	Mar. 25	Apr. 10	234
2006	Designs, H. H. KALUPY (Act.)	Mar. 26	Apr. 13	526

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

WINE RAILWAY APPLIANCE COMPANY

v.

ENTERPRISE RAILWAY EQUIPMENT COMPANY

No. 356. Decided March 2, 1936

PATENTS—DAMAGES FOR INFRINGEMENT—SECTION 4900 REVISED STATUTES CONSTRUED.

Held that where neither the patentee nor another, with its consent, has ever manufactured the articles covered by the patent, the patentee is not deprived by section 4900 Revised Statutes (U. S. C. title 35, sec. 49) of the right to claim damages for infringements occurring before actual notice of infringement was given.

ON WRIT of certiorari to the United States Circuit Court of Appeals for the Sixth Circuit.

Reversed.

Mr. Gilbert P. Ritter (*Mr. Charles W. Owen with him on the brief*) for petitioner.

Mr. M. K. Hobbs (*Mr. George I. Haight with him on the brief*) for respondent.

Mr. Justice McREYNOLDS delivered the opinion of the Court.

In 1922, respondent, Equipment Company, sued the petitioner for infringing certain patents. April 25, 1923, petitioner, Appliance Company, by counterclaim, charged that respondent had infringed its patents and asked for damages. The district court dismissed both bill and counterclaim. The Circuit Court of Appeals held one of petitioner's patents valid and infringed and remanded the cause for an accounting.

The master reported (June 17, 1932) that profits amounting to $18,002.83 had been realised on the infringing device and recommended judgment for that sum. Of this total he attributed $5,490.77 to the period preceding the filing of the counterclaim and $12,512.06 to the subsequent one. The district court approved; but the Circuit Court of Appeals, after citing many conflicting opinions by other Federal courts, held no recovery could be had for anything done prior to the counterclaim. This ruling is challenged. To determine the issue, we must construe section 4900 Revised Statutes, U. S. C. A., title 35, section 49, which provides—

It shall be the duty of all patentees, and their assigns and legal representatives, and of all persons making or vending any patented article for or under them, to give sufficient notice to the public that the same is patented; either by fixing thereon the word "patented," together with the day and year the patent was granted; or when, from the character of the article, this can not be done, by fixing to it, or to the package wherein one or more of them is inclosed, a label containing the like notice; and in any suit for infringement, by the party failing so to mark, no damages shall be recovered by the plaintiff, except on proof that the defendant was duly notified of the infringement, and continued, after such notice, to make, use, or vend the article so patented.

This section derives verbatim from section 38 of "An Act to revise, consolidate, and amend the Statutes relating to Patents and Copyrights," approved July 8, 1870, c. 230, 16 Stat. 198, 206, and has remained in force without change, presently important.[1]

[1] The Act of February 7, 1927, c. 67, 44 Stat. 1058, amended 4900 Revised Statutes by inserting "Provided, however, That with respect to any patent issued prior to April 1, 1927, it shall be sufficient to give such notice in the form following, viz: 'Patented,' together with the day and year the patent was granted" immediately after the words "like notice" and before "and in any suit."

Section 4901, Revised Statutes, U. S. C. A., title 35, section 50,[2] penalizes the use of unauthorized marks upon manufactured articles "for the purpose of deceiving the public." Sections 4919 and 4921, Revised Statutes, U. S. C. A., title 35, sections 67 and 70, permit recovery of damages for infringement of any patent.

[2] Section 4901, Revised Statutes, U. S. C. A., title 35, section 50.—Every person who, in any manner, marks upon anything made, used, or sold by him for which he has not obtained a patent, the name or any imitation of the name of any person who has obtained a patent therefor without the consent of such patentee, or his assigns or legal representatives; or

Who, in any manner, marks upon or affixes to any such patented article the word "patent" or "patentee," or the words "letters patent," or any word of like import, with intent to imitate or counterfeit the mark or device of the patentee, without having the license or consent of such patentee or his assigns or legal representatives; or

Who, in any manner, marks upon or affixes to any unpatented article the word "patent," or any word importing that the same is patented, for the purpose of deceiving the public, shall be liable, for every such offense, to a penalty of not less than $100, with costs; one-half of said penalty to the person who shall sue for the same, and the other to the use of the United States, to be recovered by suit in any district court of the United States within whose jurisdiction such offense may have been committed.

The parties agree that issuance of a patent and recordation in the Patent Office constitute notice to the world of its existence. *Boyden* v. *Burke*, 14 How. 575, 582; *Sessions* v. *Romadka*, 145 U. S. 29, 50, 59 O. G. 939.

Neither petitioner nor another with its consent has ever manufactured or vended an article under the infringed patent. No actual notice of infringement was given respondent prior to the counterclaim.

Counsel for petitioner affirm that under section 4900, whenever a patented article is made or vended by one of those therein specified it becomes his duty to give sufficient notice to the public "that the same is patented" either by placing thereon or upon the label the word "Patented". Also, that, as penalty for failure therein, the defaulter is deprived of the right to recover damages for infringement, except upon proof that after notice, the defendant continued to make, use or vend. This construction, it is said, correctly we think, gives effect to every word in the section and carries out the legislative purpose.

Counsel for respondent submit—

Section 4900 requires a patentee or patent owner, whether or not he makes or vends, to give notice in one of the two alternative methods, (marking the article, or giving actual notice to the defendant) as therein specified. By plain language, the duty to give notice of infringement is imposed without limitation upon "all patentees and their assigns and legal representatives." Then the statute proceeds and imposes this upon "all persons making or vending any patented article for or under them." The duty to give notice is required not only of patentees

and their assigns and legal representatives, but also the duty is imposed upon all persons making or vending under them. The purpose is not that notice may be given of the issuance and existence of a patent, but to prevent innocent infringement; and this is accomplished in two ways—by marking the article, if made, for all to see; or by sending an accusing notice. The section clearly does say that the three classes of persons named therein, (1) patentees, (2) assigns and legal representatives, and (3) all persons making or vending patented articles for or under them, must either mark the article of the patent in accordance with the statute or give notice to the accused infringer. Alternative methods of giving notice are provided by the statute; so no hardship is worked upon him who does not make and sell and no lack of harmony with other provisions of the patent laws exists. If the present edition of the statute means that giving notice is imposed only on those who make or sell, there would have been no necessity for changing the earlier enactments of the statute. The whole matter could have been disposed of by saying "all persons who make or vend patented articles."

Obviously, but for section 4900, a patentee might recover for all damages suffered through infringement without giving prior actual notice to the infringer. That section subtracts something and creates an exception.

If respondent's position is correct, process patents and patents under which nothing has been manufactured may be secretly infringed with impunity, notwithstanding injury to owners guilty of no neglect. Only plain language could convince us of such an intent.

The idea of a tangible article proclaiming its own character runs through this and related provisions. Two kinds of notice are specified—one to the public by a visible mark, another by actual advice to the infringer. The second becomes necessary only when the first has not been given; and the first can only be given in connection with some fabricated article. Penalty for failure implies opportunity to perform.

If the word "patentees" is not qualified by "making or vending any patented article," the section would seem to impose on such persons a duty to the public impossible of performance when no article is made or vended by them. Also, if these words do not qualify patentees, then the words "same" and "thereon," are not easily understood.

Section 5. act of August 29th, 1842, c. 263, 5 Stat. 544, declared, that it shall be an offense to place the word "patent" or "letters-patent" on any unpatented article with intent to deceive the public and prescribes a penalty recoverable by action.

Sec. 6—That *all patentees and assignees of patents* hereafter granted, are hereby required to stamp, engrave, or cause to be stamped or engraved, on each article vended, or offered for sale, the date of the patent; and if any person or persons, patentees or assignees, shall neglect to do so, he, she, or they, shall be liable to the same penalty, to be recovered and disposed of in the manner specified in the foregoing fifth section of this act.

The act of March 2, 1861, c. 88, 12 Stat. 249, provided—

Sec. 13—That in all cases where an article is *made or vended by any person under the protection of letters-patent*, it shall be the duty of such person to give sufficient notice to the public that said article is so patented, either by fixing thereon the word patented, together with the day and year the patent was granted; or when, from the character of the article patented, that may be impracticable, by enveloping one or more of the said articles, and affixing a label to the package or otherwise attaching thereto a label on which the notice, with the date, is printed; on failure of which, in any suit for the infringement of letters-patent by the party failing so to mark the article the right to which is infringed upon, no damage shall be recovered by the plaintiff, except on proof that the defendant was duly notified of the infringement, and continued after such notice to make or vend the article patented.

Section 38 of the act of July 8, 1870, supra, became section 4900, Revised Statutes. Section 39—now section 4901, Revised Statutes, is in the margin, *ante*, p.—.

By the act of 1842 (the earliest here important) "*all patentees and assignees of patents*" were required to mark "each article vended or offered for sale" and defaulters were subjected to a money penalty. The act of 1861 directed that

"in all cases where an article is made or vended by *any person under the protection of letters-patent*, it shall be the duty of such person to give sufficient notice to the public that said article is so patented, etc."

It penalized default by taking away the right to recover damages, except, etc. The act of 1870, prepared by the Commissioners to revise the statutes (act of June 27, 1866, 14 Stat. 74)[2] made it the duty of

[2] Congressional Globe, vol. 43, part 5, pp. 2679–2684. Congressional Globe, vol. 43, part 5, pp. 2679–2680. Congressional Globe, vol. 43, part 6, p. 2680.

"all patentees, and their assigns and legal representatives, and of all persons making or vending any patented article for or under them, to give sufficient notice to the public that the same is patented."

etc. and penalized default as did the act of 1861.

All these acts reveal the purpose to require that marks be put on patented articles for the information of the public. They undertook to specify those charged with the duty to attach such marks. In this regard, the meaning of the act of 1861 is not open to question. The different language found in the act of 1870 was intended, we think, to delimit the term "a person under the protection of letters patent", to describe the members of the class more definitely, and not to impose a new and different burden upon non-producing patentees. We find nothing adequate to support the notion that such patentees were deprived of the right theretofore existing to claim damages from an infringer unless and until he could be run down and served with actual notice.

The Circuit Court of Appeals erroneously sustained the respondent's position, because of the different language found in the act of 1870. It said:

The earlier statute provided "that in all cases where an article is made or vended by any person under the protection of letters-patent, it shall be the duty of such person to give sufficient notice to the public that said article is patented, * * *" (12 Stat. 249.) That statute required any person making or vending an article under the protection of letters-patent to give the notice, whereas the present one requires that notice be given by all patentees and their assigns and legal representatives, and also, by all persons making or vending the patented article. Thus under the earlier statute a patentee who did not make or vend the article was not required to give the notice, but under the present statute the patentee, his assigns and legal representatives must give it, whether they do or do not make or vend the article. This is the only difference between the two statutes, and in our opinion the amendment to the old statute as embodied in the new requires the patentee or his assignees who does not make or vend the article to give notice of the patent and limits the recovery for infringement thereof to damages sustained thereafter.

Under the interpretation which we accept, section 4900, Revised Statutes, provides protection against deception by unmarked patented articles, and requires nothing unreasonable of patentees. By admission, the act of 1861 did not require a patentee who did not produce to give actual notice to an infringer before damages could be recovered; and there is nothing in the language or history of the act of 1870 sufficient to indicate an intent to alter his position in this regard. This conclusion is in harmony with the language of *Dunlap* v. *Schofield*, 152 U. S. 244, 247, 67 O. G. 139.

The challenged judgment must be reversed. The judgment of the District Court is affirmed.

Reversed.

U. S. Court of Appeals for the District of Columbia

BISSELL CARPET SWEEPER CO., A CORPORATION,
v. COE, COMMISSIONER OF PATENTS

No. 6,446. Decided January 27, 1936

1. PATENTABILITY—CARPET SWEEPER—PATENTABLE DISTINCTION BETWEEN CLAIMS.
Certain claims of an application, No. 282,582, for a carpet sweeper *Held* properly rejected as reciting no novelty beyond that disclosed in other claims allowed.

2. SAME—SAME.
A claim of application No. 266,268 for carpet sweeper, including the clause, "the wheels at each side being supported and connected by axles," required to be omitted by court below, *Held* allowable over a patent to appellant.

APPEAL from the Supreme Court of the District of Columbia. Affirmed in part and reversed in part.

Mr. Fred L. Chappell and *Mr. William S. Hodges* for Bissell Carpet Sweeper Co.

Mr. R. F. Whitehead for the Commissioner of Patents.

Before MARTIN, Chief Justice, and ROBB, VAN ORSDEL, GRONER, and STEPHENS, Associate Justices

ROBB, *A. J.*:

APPEAL from a decree in the Supreme Court of the District in a patent suit filed under section 4915, Revised Statutes, as amended (35 U. S. C. sec. 63).

The alleged invention relates to carpet sweepers. Appellant, the Bissell Company, is an extensive manufacturer of such sweepers, and it is apparent from the record that the art was so well developed that there was little room for further improvement.

On March 25, 1927, the company, in the name of its assignor Pullen, filed application No. 178,283 relating to "improved carpet sweeper brush drive mechanism in which stub axles are used for the floor wheels and rods are avoided." This application resulted in Patent No. 1,800,958, dated April 14, 1931.

On March 31, 1928, the Bissell Company, in Pullen's name, filed application No. 266,268. The Patent Office ruled that the difference between the structure shown in the drawing of that application and that of the co-pending application No. 178,283 (patent granted) is that in the former the wheels on each side are connected by axles, whereas in the patented structure the floor wheels are carried on stub axles.

On June 4, 1928, there was filed by the company, in Pullen's name, application No. 282,581. This application differed from application No. 266,268 in the substitution of a spring axle for the stiff axle and hub-acting spring of the earlier application.

On June 4, 1928, appellant, in Pullen's name, also filed application No. 282,582, which the Patent Office ruled differed from application No. 266,268 "only in the substitution of a different means for operatively connecting the spring arms to the wheel hubs."

The Patent Office further ruled that the applications disclosed "only one specific novel structure, that is, the construction of the equalizer between the wheels of the carpet sweeper;" that it was old in such sweepers to employ an equalizer of the same general type as that disclosed by appellant, and as shown in the Drew Patent No. 391,129. "Apparently", said the Board of Appeals, "the patentable novelty in the equalizer over that shown in Drew above mentioned is in the slideways and slides opposite the ends of the brush roll." The Board directed attention to the fact that the claims in applicant's patent are restricted to the use of stub axles, and that claim 11 of application No. 266,268 "specifies wheels connected by axles." The Board suggested amending claim 11 by the omission of the connection between the wheels. The Board concluded: "It is our opinion, therefore, that there is only room for one patent and that the only proper way to obtain protection is by a reissue of patent 1,800,958. Certainly we do not consider that there is any patentable distinction between stub axles and axles extending entirely through the sweeper."

Following the rejection of claims of applications No. 266,268, No. 282,581, and No. 282,582, the present suit was instituted. The court below, after hearing, ruled that a patent issue on application No. 266,268 containing claim 11 as modified by the Board of Appeals; that is, by the omission of the clause, "the wheels at each side being supported and connected by axles." The court further ruled that on application No. 282,581 there should issue a patent containing claims 2 and 3 of that application, which the court found "are for respectively different inventions from that covered in Letters Patent 1,800,958." Finally, the court ruled that as to all other claims involved in the suit (including those of application No. 282,582) the complaint should be dismissed. The Patent Office did not appeal.

[1] In our view the court properly rejected the claims (2 and 3) of application No. 282,582. There is no novelty in these claims beyond that disclosed in other allowed claims. Through axles and tensioning springs were old.

[2] But claim 11 of application No. 266,268 should be allowed without modification; that is to say, the claim should be allowed as presented in the application and containing the limitation, "the wheels at each side being supported and connected by axles." As already observed, claims 2 and 3 of application No. 282,581 were allowed by the court below as "different inventions from that covered in Letters Patent 1,800,958." Claim 11 of No. 266,268 as allowed by the court below is a subcombination claim.

The decree is affirmed in part, and reversed in part.

Affirmed in part,
Reversed in part.

U. S. Court of Customs and Patent Appeals

IN RE BALL

No. 3,522. Decided January 27, 1936

1. APPEALS—BOARD'S AFFIRMANCE OF EXAMINER ON ONE OF SEVERAL GROUNDS, EFFECT OF.

"The well established rule is that where the Board of Appeals has affirmed a decision of the Examiner, which decision rejected the claims of an applicant on certain grounds and upon certain named references which grounds and references are also cited by the Board in its decision, the affirmance should be held to have the legal effect of a rejection upon all of the grounds and references cited by the Examiner except those expressly reversed by the Board."

2. SAME—FAILURE TO INCLUDE IN REASONS OF APPEAL ALL GROUNDS OF EXAMINER'S REJECTION, EFFECT OF.

Where the reasons of appeal do not include all of the grounds of rejection of the involved claims by the Examiner, but only one of them, and the Board did not expressly reverse the decision of the Examiner upon such other grounds of rejection *Held* the decision of the Board must be affirmed.

3. PATENTABILITY—CLAIMS COPIED FROM PATENT—FUNCTION NOT INHERENT IN APPLICANT'S DISCLOSURE.

Certain claims copied from the patent reciting an arc-preventing hood for use on an electric switch *Held* properly rejected as not supported by applicant's disclosure of a perforated hood designed to protect workmen from contact with the live parts of a switch as the function of suppressing arcing is not inherent in applicant's hood.

APPEAL from the Patent Office. Affirmed.

Mr. J. Bernhard Thiess and *Mr. J. Arnold Brand* for Ball.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

LENROOT, *J.*:

This appeal brings before us for review a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner rejecting claims 29, 30, 32, 35, 36, 37, and 38 of appellant's application. Certain claims were allowed by the Examiner, and certain other claims were also rejected by the Examiner, which rejection was affirmed by the Board of Appeals, but which claims are not included in the appeal before us.

The claims involved in this appeal were copied by appellant from a patent to Wilms et al., No. 1,804,729, issued May 12, 1931, and the grounds of rejection of the claims were that they are unwarranted by appellant's disclosure.

Claims 29 and 30 are illustrative of the claims in issue and read as follows:

29. A device for limiting destructive arcing between the contacts of an electric switch, comprising a hood formed of insulating material closed on all sides except its bottom to form a confining chamber substantially encasing the contacts, and means readily removably mounting the hood.

30. The combination with an electric switch having a stationary contact, a movable contact and means mounting the stationary contact, of an arc suppressing hood closed on all sides except its bottom to form a confining chamber encasing the contacts, and cooperating means carried by the hood and the stationary contact mounting means for readily detachably mounting the hood, said cooperating means having a free sliding engagement and enabling the hood to be lifted to expose the contacts.

The nature of the involved invention is sufficiently set forth in the above-quoted claims.

The Examiner assigned seven different grounds of rejection, each based upon lack of disclosure in appellant's application, some of which applied to all of the involved claims, and other grounds to only a specified number of them.

One of said seven grounds of rejection applicable to all of the claims was that appellant's application does not disclose that the hood therein described is closed on all sides except its bottom to form a confining chamber encasing the contacts.

Another ground of rejection by the Examiner was that the hood shown in appellant's application does not limit destructive arcing.

The Board of Appeals in its decision set out the different grounds of rejection of the involved claims by the Examiner, and stated:

• • • The disclosure in the application refers to the hood device thereof as a protective device which may be positioned over the stationary contacts in a switch and that these stationary contacts remain substantially protected since the apertures therethrough are so small that it is impossible for ordinary workmen to come into contact with the live portions of the stationary switch contacts. It is further stated in the specification that the applicant found that such protective covers add greatly to the safety of switches and at the same time do not interfere with the normal operation of them. There is nothing in the original disclosure to indicate that these protective covers or caps were provided with a space or openings so limited as to have the effect of preventing arcing as called for in many of these claims copied from the Wilms-Loock patent. Nowhere in the disclosure is there any expressed intention that applicant's device shall perform the function of suppressing an arc. Whatever the devices may be which have been constructed and tested or observed by experts in this art, it seems apparent that these covers may be of sufficient size and space to be ineffective as arc suppressors and at the same time to act as protection for workmen to prevent them from coming into conjunction with live contacts.

• • • • • • • •

Claims 29, 30, 32, 35, 36, 37, and 38 of the copied claims are in some manner or another limited to the matter of means for limiting destructive arcing and since we have determined that applicant's disclosure was not limited to any such means or to a structure which necessarily produced such function, we are in agreement with the position of the Examiner to the effect that these claims are unwarranted by applicant's disclosure.

The decision of the Board of Appeals, affirming the decision of the Examiner with respect to the involved claims, reads as follows:

For the reasons indicated herein the rejection of the Examiner is affirmed.

Appellant filed but one reason of appeal which reads as follows:

The Board of Appeals erred in finding that applicant's disclosure was not limited to means for exerting, or a structure which produced, limitations of destructive arcing, and on this basis alone holding that claims 29, 30, 32, 35, 37, 37, and 38—because of being in some manner limited to the matter of such means—are unwarranted in by applicant's disclosure.

It will be noted that in this reason of appeal appellant has referred to two claims as 37, and claim

36 is not listed at all; this is manifestly a clerical error, and it is obvious that the first claim 37 set out in said reason of appeal, and italicized by us, should have been 36, and we will so regard it.

The Solicitor for the Patent Office contends that, there having been a general affirmance of the decision of the Examiner by the Board of Appeals, and the reasons of appeal not assigning error on the part of the Board in affirming the decision of the Examiner upon six of his grounds of rejection, under the well-established rule the decision of the Board of Appeals must be affirmed by us irrespective of the question of whether or not the device shown in appellant's application does suppress destructive arcing.

In appellant's brief we find the following statement:

It is settled practice that, where the Board of Appeals rests its decision upon one sharply defined rejection in affirming the Primary Examiner—and thereafter appeal is taken to this court because of such rejection,—the court will consider only that particular rejection upon which the Board based its decision, even though there may have been other rejections assigned by the Primary Examiner when he finally refused the claims. (*In re Twiss*, 74 F.[2d], 124.)

The foregoing statement is not in accord with the established rule and is not supported by the cited case, *In re Twiss*, 22 C. C. P. A. (Patents) 825, 74 F.(2d) 124, 453 O. G. 731. In that case the Examiner rejected the claims upon two references. The Board of Appeals expressly reversed the rejection by the Examiner on one reference, but affirmed him upon the other. In our decision we said:

• • • We therefore have to consider only the reference Klein et al., the Board having expressly reversed the Examiner with respect to the reference Teague. • • •

[1] The well established rule is that where the Board of Appeals has affirmed a decision of the Examiner, which decision rejected the claims of an applicant on certain grounds and upon certain named references, which grounds and references are also cited by the Board in its decision, the affirmance should be held to have the legal effect of a rejection upon all of the grounds and references cited by the Examiner except those expressly reversed by the Board. *In re Wagenhorst*, 20 C. C. P. A. (Patents) 991, 64 F.(2d) 780, 433 O. G. 223; *In re Emanueli*, 21 C. C. P. A. (Patents) 701, 67 F.(2d) 445, 439 O. G. 3; *In re Lillenfeld*, 21 C. C. P. A. (Patents) 792, 67 F.(2d) 920, 442 O. G. 542; *In re Sponable*, 21 C. C. P. A. (Patents) 958, 69 F.(2d) 544, 445 O. G. 276.

[2] It follows from the foregoing that, inasmuch as the reasons of appeal do not include all of the grounds of rejection of the involved claims by the Examiner, but only one of them, and as the Board did not expressly reverse the decision of the Examiner upon such other grounds of rejection by him, the decision of the Board of Appeals must be affirmed.

However, while not necessary to our decision herein, we would observe that we are in agreement with the Board of Appeals and the Examiner with respect to the specific ground of rejection complained of by appellant.

[3] While appellant's counsel concedes that appellant's specification does not mention the function of arc suppression in the device disclosed by him, he contends that such function is inherent in the device, and he introduced into the record several affidavits stating that devices constructed in accordance with his disclosure do in fact have the function of arc suppression. Upon this point we agree with the Board that while such structures may suppress arcing, structures may be produced strictly in accordance with appellant's disclosure which would not possess such function, inasmuch as no dimensions of the openings in the hood are disclosed, and it is clear to us that they may be of sufficient size as to be ineffective to suppress arcing. It therefore cannot be said that the function of suppression of destructive arcing is inherent in the device disclosed by appellant.

For the reasons stated herein, the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,262,860, S. B. Smith, Incubator, D. C., S. D. Calif. (Los Angeles), Doc. E A-110, *S. B. Smith* v. *F. A. Olifent*. Dismissed Feb. 29, 1936. Same, D. C., E. D. Wis. (Milwaukee), Doc. 4556, *S. B. Smith* v. *W. J. Giebink*. Doc. 4557, *S. B. Smith* v. *F. Papiham*. Doc. 4558, *S. B. Smith* v. *O. W. Timm*. Doc. 4575, *S. B. Smith* v. *W. L. Mattheces*. Doc. 4576, *S. B. Smith* v. *L. P. Rosanski*. Doc. 4577, *S. B. Smith* v. *J. R. Schlicker*. Doc. 4579, *S. B. Smith* v. *J. Wykhuis*. Claim 1 held valid and infringed in each of above cases Mar. 3, 1936.

1,301,331, R. S. Smith, Electrode for arc welding; 1,754,063, R. Stresau, Coated metallic-arc weldrod and method of making same, C. C. A., 6th Cir., Doc. 6863, *A. O. Smith* v. *Lincoln Electric Co.* Claims 1, 4, 7, 14, 15, and 16 of 1,301,331 held valid but not infringed, 1,754,063 held invalid Mar. 4, 1936.

1,340,328, A. B. Cooling, Driving mechanism for washing machines, D. C. Minn., 4th Div., Doc. — *Superior Machine Co.* v. *New England Furniture & Carpet Co.* Dismissed without prejudice Mar. 3, 1936.

1,359,880, C. Dunn, Self filling fountain pen, filed Mar. 4, 1936, D. C., S. D. N. Y., Doc. E 82/227, *M. B. Swanholm* v. *The Parker Pen Co.* Doc. E 82/104, *M. B. Swanholm* v. *A. Schlosser*. Consent decree for plaintiff (notice Mar. 10, 1936).

1,467,831, W. S. Barnickel, Process for treating petroleum emulsions, D. C. Kans. (Wichita), Doc. 935-N, *The Tretolite Co.* v. *C. L. Study et al.* Injunction (notice Feb. 26, 1936).

1,477,873, H. Jacobs, Hair waving device, D. C., N. D. Tex. (Ft. Worth), Doc. E 813, *American Croquinole Permanent Wave Co.* v. *O. B. Sellers*. Dismissed for want of prosecution (notice Feb. 28, 1936).

1,549,175, Adams & Reilly, Double acting hollow plunger pump, C. C. A., 8th Cir. (St. Louis), Doc. 10407, *El Dorado Foundry, Machine & Supply Co., Inc.*, v. *Fluid Packed Pump Co. et al.* Decree reversed Feb. 27, 1936.

1,630,028, D. A. Reynolds, Ear phone, filed Feb. 29, 1936, D. C., S. D. N. Y., Doc. E 82/222, *Dictograph Products Co., Inc.*, v. *Sonotone Corp.*

1,635,829, O. A. Frederickson, Protecting coating for covered conductors and method of applying same, D. C., E. D. N. Y., Doc. E 7385, *National Electric Products Corp.* v. *Circle Flexible Conduit Co., Inc.* Decree for plaintiff Mar. 6, 1936.

1,687,510, M. Pipkin, Electric lamp bulb, C. C. A., 6th Cir., Doc. 6865, *General Electric Co.* v. *Save Sales Co. et al.* Patent held valid and infringed Mar. 6, 1936.

1,721,015, J. Galbraith, Carving machine, D. C. Minn. 4th Div., Doc. E 1861, *J. N. Kirby* v. *Parten-Blomstrom Machinery Co.* Claims 2, 11, 17, and 18 held invalid; bill dismissed Feb. 11, 1936.

1,727,380, J. C. Ryder, Distillation process, filed Mar. 9, 1936, D. C., E. D. Pa., Doc. 9339, *Petroleum Derivatives, Inc. of Maine* v. *Sun Oil Co.*

1,754,063. (See 1,301,331).

1,757,001, G. C. Beidler, Photographic apparatus, C. C. A., 2d Cir., Doc. —, *G. C. Beidler* v. *Photostat Corp.* Decree affirmed Mar. 2, 1936.

1,763,633, N. L. Simmons, Process of making whey products, filed Feb. 17, 1936, D. C., N. D. N. Y., Doc. E 2973, *Kraft-Phenix Cheese Corp.* v. *Western Condensing Co.*

1,781,672, E. B. Working, Chocolate material and process of making same, filed Mar. 10, 1936, D. C., E. D. N. Y., Doc. E 7910, *American Lecithin Co.* v. *F. Bischoff, Inc.* Same, filed Mar. 11, 1936, D. C. R. I., Doc. 530, *American Lecithin Co.* v. *J. C. Ferguson Mfg. Works, Inc.*

1,782,870, J. G. Dickson, Gasket, filed Feb. 28, 1936, D. C., E. D. Wis. (Milwaukee), Doc. 4847, *Dickson Gasket Co.* v. *De Boer Motors, Inc.*

1,798,168, G. W. Poppe, Process and machine for making paper, filed June 25, 1935, D. C., N. D. N. Y., Doc. E 2903, *Equitable Paper Bag Co., Inc.*, v. *Union Bag & Paper Corp.*

1,803,875, W. F. Stoody, Method of facing tools and resulting product, filed Mar. 6, 1936, D. C., S. D. Tex. (Houston), Doc. E 719, *Stoody Co.* v. *Diamond Metal Co., Inc.* Doc. E 720, *Stoody Co.* v. *The Brewster Co., Inc.* Doc. E 721, *Stoody Co.* v. *O. H. Van Horn Co., Inc.* Same, filed Mar. 7, 1936, D. C., W. D. Okla. (Oklahoma City), Doc. E 1836, *Stoody Co.* v. *Osage Metal Co., Inc.*

1,843,748, R. Adler, Anti-washout device for roadways, appeal filed Feb. 27, 1936, C. C. A., 8th Cir. (St. Louis), Doc. 10610, *T. Finn et al.* v. *R. Adler.*

1,848,468, A. H. Emery, Jr., Machine for testing the strength of materials, D. C., E. D. Pa., Doc. 8359, *Baldwin-Southwark Corp.* v. *Tinius Olsen Testing Machine Co. et al.* Dismissed Mar. 2, 1936.

1,873,610, J. B. Lyon, Tissue packet, D. C., S. D. N. Y., Doc. E 76/190, *J. B. Lyon et al.* v. *Tachette, Inc., et al.* Consent decree (notice Mar. 2, 1936).

1,877,237, E. B. Hart, Compound for the prevention and treatment of anemia, appeal filed Feb. 29, 1936, C. C. A., 8th Cir. (St. Louis), Doc. 10612, *Wisconsin Alumni Research Foundation* v. *G. A. Breon & Co., Inc.*

1,911,289, W. T. Reddish, Method of cleaning fabric, D. C., E. D. Wis. (Milwaukee), Doc. 4202, *Emery Industries, Inc.*, v. *Milwaukee Novelty Dye Works, Inc.* Claims 3, 4, 5, and 6 held valid and infringed Feb. 28, 1936.

1,922,944, A. A. Gobeille, Elastic woven fabric, filed Mar. 7, 1936, D. C., S. D. N. Y., Doc. E 82/240, *Frank Associates, Inc.*, v. *Columbia Narrow Fabric Co.*

1,934,942, F. W. Mosterts, Loop pile fabric, filed Feb. 28, 1936, D. C., E. D. Pa., Doc. 9321, *F. W. Mostertz* v. *Quaker Pile Fabric Corp.*

1,956,613, Corn & Hyatt, Heat transfer facilities in ice-cream freezers, filed May 2, 1935, D. C., N. D. N. Y., Doc. 2890, *Tuthill Pump Co.* v. *E. D. Brock et al.*

1,990,764, F. A. Wessell, Piano, filed Mar. 2, 1936, D. C., E. D. N. Y., Doc. E 7896, *Mathushek Piano Mfg. Co. et al.* v. *Frederick Loeser & Co., Inc., et al.*

2,008,211, J. Holtzman, Razor blade sharpener, D. C., S. D. N. Y., Doc. E 81/226, *J. Holtzman* v. *Edward Theck & Co., Inc.* Consent order of discontinuance (notice Mar. 2, 1936).

2,008,934, A. L. Smith, Leak detector for pipe lines, filed Mar. 5, 1936, D. C. Kans. (Topeka), Doc. 2081-N, *A. L. Smith* v. *E. R. Gilmore et al.*

Des. 94,612, E. Kateb, Negligee garment, D. C., S. D. N. Y., Doc. E 82/106, *E. Kateb* v. *Mangel Stores Corp.* Consent order of discontinuance (notice Mar. 5, 1936).

Des. 97,705, C. Emmey, Applique emblem for wearing apparel, filed Mar. 3, 1936, D. C., S. D. N. Y., Doc. E 82/224, *Frances Emblems, Inc., et al.* v. *Lemont Mfg. Co., Inc.*

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,828,466, C. L. Henderson, Oil refining, decided April 21, 1936, claim 3.

Pat. 1,848,640, J. E. McCaulley, Railway traffic controlling apparatus, decided April 18, 1936, claims 1, 2, 4, 5, 6, 7, 8, and 9.

Pat. 1,865,474, M. R. Mandelbaum, Refining hydrocarbons, decided March 4, 1936, claims 1, 2, and 8.

Pat. 1,931,922, W. B. Damsel and W. C. Damsel, Laminated article, decided April 4, 1936, claim 2.

Pat. 1,959,426, F. E. Henderson, Core and method of making cores, decided April 21, 1936, claims 1, 2, 3, 8, and 14.

Pat. 2,016,307, Henry Wiesner, Closure for bottles, jars and the like, decided April 20, 1936, claims 1, 2, 3, and 4.

Notices of Cancellation

U. S. PATENT OFFICE, *Washington, Apr. 24, 1936.*

Joseph W. Schloss Co., its assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by Paul Tresenberg, 143-16 184th Street, Springfield Gardens, New York, N. Y., to effect the cancellation of trade-mark registration of Joseph W. Schloss Co., 160 Fifth Avenue, New York, N. Y., No. 125,915, dated July 8, 1919, and the notice of such proceeding sent by registered mail to the said Joseph W. Schloss Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Joseph W. Schloss Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, April 28, 1936.*

United States Cutlery Co., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Ekstrand Mfg. Co., Inc., 55 West Forty-second Street, New York, N. Y., to effect the cancellation of trade-mark registration No. 284,695, issued July 7, 1931, to United States Cutlery Co., Belleville, N. J., and a notice of such proceeding sent by registered mail to said United States Cutlery Co. at said address having been returned by the post office with the notation "Defunct" endorsed thereon, notice is hereby given that unless said United States Cutlery Co., its assigns or legal representatives, shall enter an appearance within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
Assistant Commissioner.

CARNEGIE LIBRARY OF

TRADE-MARKS

OFFICIAL GAZETTE, MAY 12, 1936
[VOL. 466. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 374,642. JAMES H. RHODES & COMPANY, Chicago, Ill. Filed Feb. 8, 1936.

WORTHMOR

WASHABLE
OIL TANNED

TANNED IN U.S.A.

The words "Washable Oil Tanned" and "Tanned in U. S. A." are disclaimed apart from the mark.

For Chamois Skins.

Claims use since July, 1933.

Ser. No. 375,261. MORGENSTERN & WEBER, New York, N. Y. Filed Feb. 26, 1936.



No claim is made to the word "Seal" apart from the mark.

For Raw, Treated, and Dyed Fur Skins and Parts Thereof.

Claims use since Feb. 6, 1936.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 373,776. ALBERT CARSON, doing business as Ducraft Co., New York, N. Y. Filed Jan. 17, 1936.

"Her Ladyship"

For Handbags, Pocketbooks, Purses, Travelling Bags, and Leather Bags.

Claims use since Jan. 2, 1936.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 355,184. THE DU BOIS SOAP CO., Cincinnati, Ohio. Filed Aug. 20, 1934.

ACTO

For Liquid Soaps and Oil Soaps.

Claims use since October, 1923.

Ser. No. 373,982. VIVO CHEMICAL COMPANY, Beaver Falls, Pa. Filed Jan. 22, 1936.

VIVO

For Cleanser for Painted and Varnished Surfaces, Carpets, and the Like.

Claims use since Sept. 12, 1934.

Ser. No. 374,351. CHRISMAN SUPPLY CO., INC., Fayetteville, N. Y. Filed Feb. 3, 1936.

ANHYDRO — ASH

The word "Ash" is disclaimed apart from the mark.

For Cleaning Compound for Washing Clothes and General Use Consisting Principally of Sodium Carbonate and Sodium Bicarbonate.

Claims use since Apr. 28, 1933.

Ser. No. 375,504. GENERAL CHEMICAL COMPANY, New York, N. Y. Filed Mar. 3, 1936.

POROFOS

For Chemical Detergents Containing Sodium Phosphate, Particularly Trisodium Phosphate.

Claims use since Nov. 19, 1935.

Ser. No. 375,516. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y. Filed Mar. 3, 1936.

Nacconol

For Detergent Preparations Used for Metal Cleaning, Fruit Washing, and for Incorporating in Soap and Soap Preparations.

Claims use since Oct. 5, 1932.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 362,254. FUMOL CORPORATION, New York, N. Y. Filed Mar. 8, 1935.

FUMOL

For Insecticides, Germicides, and Disinfectants.

Claims use since November, 1931.

Ser. No. 363,997. FLOYD BROWN, doing business as Cumberland Chemical Company, Nashville, Tenn. Filed Apr. 20, 1935.

"GRAND-DADDY'S OINTMENT"

The word "Ointment" is disclaimed apart from the mark.

For Ointment for Athletic Feet, Poison Oak, Chapped Hands, Insect Bites, Nail Wounds, Fever Blisters, and Itch.

Claims use since Mar. 1, 1935.

Ser. No. 369,314. VAPONEFRIN COMPANY, Seattle, Wash. Filed Sept. 14, 1935.

Asthmanefrin

For Inhalent Solution Composed Principally of Epinephrine hydrochloride. Used in the Treatment of Asthma.

Claims use since Aug. 25, 1935.

Ser. No. 369,315. VAPONEFRIN COMPANY, Seattle, Wash. Filed Sept. 14, 1935.

Vaponefrin

For Inhalent Solution Used in the Treatment of Asthma.

Claims use since Sept. 5, 1935.

Ser. No. 371,591. EFF LABORATORIES, INC., Cleveland, Ohio. Filed Nov. 15, 1935.

Provatol

For Concentrates and Preparations Rich in Vitamin Activity.

Claims use since July 27, 1934.

Ser. No. 373,179. FREDERICK J. MATHESON, doing business as Rap-I-Dol Laboratories, New York, N. Y. Filed Dec. 30, 1935.

A 4 Star ★★★★ Beauty Aid

The words "Beauty Aid" are disclaimed apart from the mark.

For Hair Coloring, Shampoo Tint, Dye and Color Remover, Shampoo, and Skin Lotion and Powder Base.

Claims use since May 1, 1935.

Ser. No. 373,880. THE LAVENA CORPORATION, Chicago, Ill. Filed Jan. 20, 1936.

Lavēna

For Beauty Preparation Composed Principally of Oat Flour.

Claims use since November, 1932.

Ser. No. 374,116. ADELAIDE J. HAWLEY, doing business as Marie West Products, Los Angeles, Calif. Filed Jan. 29, 1936.



For Mouth Wash for Tobacco Users Who Want to Stop Smoking.

Claims use since May, 1935.

Ser. No. 374,733. THE IRA J. SHAPIRO CO. INC., New York, N. Y. Filed Feb. 11, 1936.

UNIVEX

For Milk of Magnesia, Tooth Paste and Powder, Cough Syrup, Nose Drops, Rubbing Alcohol, Witch Hazel, Laxatives, Reducing Preparations, Sun-Tan Preparations, Deodorants, Talcum Powder, Face Powder, Aspirin Tablets, Disinfectant, Rouge, Lipstick, Mouth Wash, Hair Preparations to Promote the Growth of Hair, to Clean the Hair, and to Keep the Hair Glossy, Salves and Ointments to Heal and Smooth the Skin, Manicure Preparations, Petroleum Jelly, Beef, Iron and Wine Tonic, and Headache Powders.

Claims use since Jan. 15, 1936.

Ser. No. 375,239. CASTILIAN PRODUCTS CORP., Los Angeles, Calif. Filed Feb. 26, 1936.

COURTLEY

For Cleansing Creams, Tissue Creams, Liquid Powder Base, Astringent Tonic, After Shaving Lotion, and Lilac Vegetal.

Claims use since Feb. 3, 1936.

Ser. No. 375,245. WALTER HOADLEY, doing business as Hoadley Drug Company, Brooklyn, N. Y. Filed Feb. 26, 1936.



The drawing is lined for blue and yellow. The term "No Scar" is disclaimed apart from the mark as shown.

For Healing Ointment.

Claims use since Oct. 15, 1926.

Ser. No. 375,418. B.Y'S LABORATORIES, INC., Hollywood and Los Angeles, Calif. Filed Mar. 2, 1936.

B.Y's

For Colloidal Silver, Mercury and Prophylactic Preparations for Prevention and Treatment of Venereal Diseases, Internal Tablets to Antiseptize the Urine, Medicated Cones, Vaginal Suppositories and Hygienic Powder for Feminine Hygiene, for Tender Feet, Insect Bites, and Use as a Deodorant; Preparation for the Treatment of Ammenorrhea and Dysmenorrhea, and a Combination Douche and Capsule for the Treatment of Delayed Menstruation.

Claims use since Jan. 28, 1936.

Ser. No. 375,443. KOLSTEROL, INCORPORATED, Detroit, Mich. Filed Mar. 2, 1936.

Kolsterol

Your Protection Against Infection

The words "Your Protection Against Infection" and the representation of a label per se are disclaimed apart from the mark shown.

For Antiseptic Germicidal Solution for External Use.

Claims use since Oct. 17, 1935.

Ser. No. 375,511. KAYLENE LIMITED, London, England. Filed Mar. 2, 1936.

MAGSORBENT

For Medicinal Preparation for the Treatment of Ulcers of the Stomach, Duodenum, and Jejenum, and Acid Dyspepsia.

Claims use since Jan. 25, 1936.

Ser. No. 375,517. NATIONAL ANILINE & CHEMICAL COMPANY, INC., New York, N. Y. Filed Mar. 3, 1936.

Nacconol

For Chemical Dyeing Aids, Fiber Treating, Moistening, Protecting, and Penetrating Preparations, and Dispersing Agents of General Application.

Claims use since Oct. 5, 1932.

Ser. No. 375,527. MICHAEL W. WAYNE, doing business as Way-Co Company, Baltimore, Md. Filed Mar. 3, 1936.

WAY-CO

For Non-Poisonous Alkaline Antiseptic Soluble Powder.

Claims use since June, 1921.

Ser. No. 375,560. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill. Filed Mar. 4, 1936.

STAPEX

For Inedible Starch Products for Industrial Purposes.

Claims use since Feb. 20, 1936.

Ser. No. 375,566. VISCO PRODUCTS COMPANY, Houston, Tex. Filed Mar. 4, 1936.

STABILITE

For Chemicals Employed in Thinning Drilling Mud Used in Drilling Operations for Oil Wells and the Like.
Claims use since Aug. 28, 1930.

Ser. No. 375,567. VISCO PRODUCTS COMPANY, Houston, Tex. Filed Mar. 4, 1936.

VISCO

For Emulsion Breaking Composition Employed in the Breaking and Resolving of Petroleum Emulsions and the Like.
Claims use since Nov. 16, 1931.

Ser. No. 375,600. CYRUS WM. RICE & COMPANY, INCORPORATED, Pittsburgh, Pa. Filed Mar. 5, 1936.

RICECALOID

For Boiler Water Conditioning Materials.
Claims use since Jan. 13, 1936.

Ser. No. 375,645. THE KURLASH COMPANY, INC., Rochester, N. Y. Filed Mar. 6, 1936.

Kurlash

For Eye Beauty Pencils.
Claims use since Feb. 17, 1936.

Ser. No. 375,675. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa. Filed Mar. 6, 1936.

BENZEDRINE

For Medicine for the Stimulation of the Nervous System and Other Therapeutic Conditions.
Claims use since Dec. 30, 1935.

Ser. No. 375,676. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa. Filed Mar. 6, 1936.

FEOSOL

For Medicine for the Treatment of Anemia and for a Tonic.
Claims use since May 15, 1935.

Ser. No. 375,677. STANCO INCORPORATED, New York, N. Y. Filed Mar. 6, 1936.

STADRINE

For Nasal Douche Preparation.
Claims use since Feb. 3, 1936.

Ser. No. 375,723. R. EVELYN POOLE, Los Angeles, Calif. Filed Mar. 7, 1936.

UCIDOL

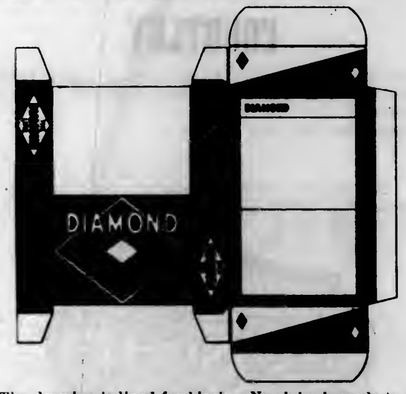
For Medical Preparation for the Treatment of Neuritis.
Claims use since Feb. 25, 1936.

Ser. No. 375,783. JEREMIAH F. SLOCUM, Buffalo, N. Y. Filed Mar. 9, 1936.

FORTIFIERS

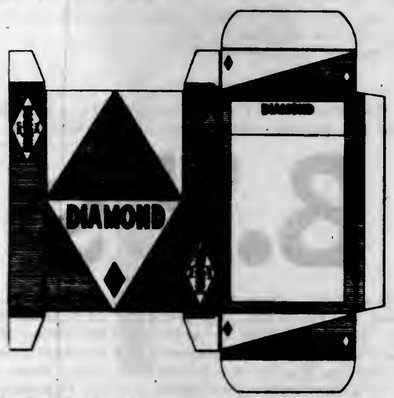
For Preparation for Use in Alleviating Discomfort Resulting from Excessive Eating and Drinking.
Claims use since Feb. 27, 1936.

Ser. No. 375,822. WELLS & RICHARDSON COMPANY, INCORPORATED, Burlington, Vt. Filed Mar. 10, 1936.



The drawing is lined for black. No claim is made to the representation of a carton per se.
For Preparation for Removing Color from Fabrics.
Claims use since Dec. 20, 1935.

Ser. No. 375,823. WELLS & RICHARDSON COMPANY, INCORPORATED, Burlington, Vt. Filed Mar. 10, 1936.



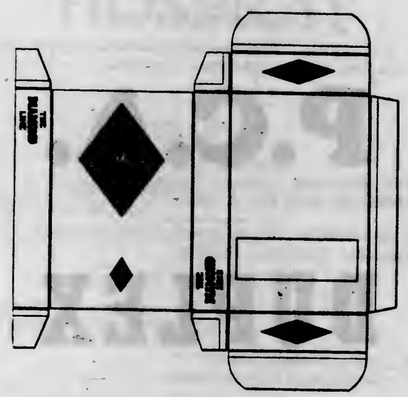
The drawing is lined for blue. No claim is made to the representation of a carton per se.
For Bluing Preparation.
Claims use since Dec. 20, 1935.

Ser. No. 375,824. WELLS & RICHARDSON COMPANY, INCORPORATED, Burlington, Vt. Filed Mar. 10, 1936.



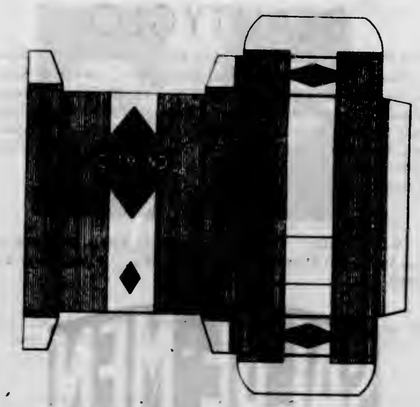
No claim is made to the representation of a carton per se.
For Dyes.
Claims use since Dec. 20, 1935.

Ser. No. 375,825. WELLS & RICHARDSON COMPANY, INCORPORATED, Burlington, Vt. Filed Mar. 10, 1936.



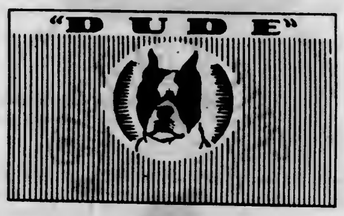
The drawing is lined for black. No claim is made to the representation of a carton per se.
For Dyes.
Claims use since Dec. 20, 1935.

Ser. No. 375,826. WELLS & RICHARDSON COMPANY, INCORPORATED, Burlington, Va. Filed Mar. 10, 1936.



The diamond designs are lined for black. The remaining lining is for shading only. No claim is made to the representation of the carton per se.
For Dyes.
Claims use since Dec. 20, 1935.

Ser. No. 375,857. PET PRODUCTS CO., INC., Indianapolis, Ind. Filed Mar. 11, 1936.



The drawing is lined for red.
For Shampoo Preparation for Treating Dog's Hair.
Claims use since Jan. 1, 1934.

Ser. No. 375,893. MARINELLO CORPORATION, New York, N. Y. Filed Mar. 12, 1936.

GLAMOIL



For Hair Dyes, Hair Brighteners, Shampoo Tints, Hair Rinses.
Claims use since Feb. 28, 1936.

Ser. No. 376,011. MARTIN C. SCHWAB, Chicago, Ill. Filed Mar. 14, 1936.

BEAUTYGLO

For Shampoo, Talcum Powder, Face Powder, Tooth Powder, Tooth Paste, Face Cream, Hair Tonic, Dandruff Solution, General Medicinal Tonic, Witch Hazel Salve, Eczema Ointment, Rectal Suppository, Female Suppository, Dyspepsia Tablets, Rheumatic Tablets, Cough Syrup, Pile Ointment, Worm Wafers, Laxatives, Nerve Pills, Kidney Pills, and Perfume Extracts.
Claims use since Aug. 1, 1914.

Ser. No. 376,169. ELBERT C. GREEN, doing business as Sal-Be-Men Laboratories, Tampa, Fla. Filed Mar. 19, 1936.

SAL-BE-MEN

For Preparation for Use in the Treatment of Parasitical Itch, Athlete's Foot, Ringworm, and the Like.
Claims use since March, 1931.

Ser. No. 376,197. DOLLY DIMPLE LABORATORIES, Atlanta, Ga. Filed Mar. 20, 1936.



For Hair Pomade.
Claims use since Jan. 15, 1936.

Ser. No. 376,249. REILLY TAR & CHEMICAL CORPORATION, Indianapolis, Ind. Filed Mar. 21, 1936.

Transote

For Insecticidal and Fungicidal Material.
Claims use since Dec. 20, 1935.

Ser. No. 376,279. HAROLD R. HOSTETTLER, doing business as Swan-Reed Company, Cleveland, Ohio. Filed Mar. 23, 1936.



For Medicinal Preparation to be Taken Internally for Reducing Weight.
Claims use since December, 1935.

Ser. No. 376,325. ANSBACHER SIEGLE CORPORATION, Brooklyn, N. Y. Filed Mar. 24, 1936.

OXO BORDEAUX

The word "Bordeaux" is disclaimed except as part of the mark as shown.
For Agricultural Insecticidal and Fungicidal Material.
Claims use since Mar. 26, 1932.

Ser. No. 376,447. RÖHM & HAAS COMPANY, Philadelphia, Pa. Filed Mar. 26, 1936.

ANOXYL

For Chemicals for Treating Leather.
Claims use since Mar. 20, 1936.

CLASS 12

Construction Materials

Ser. No. 375,854. PACIFIC COAST AGGREGATES, INC., San Francisco, Calif. Filed Mar. 11, 1936.

P.C.A.

For Reinforced Concrete Building Units.
Claims use since Feb. 6, 1936.

Ser. No. 376,075. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Mar. 16, 1936.

DUPLEX

For Fiber Building Board.
Claims use since October, 1930.

Ser. No. 376,076. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Mar. 16, 1936.

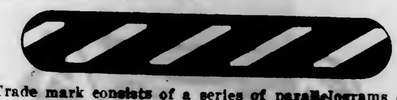
TIGER

For Fibre Building Board.
Claims use since January, 1934.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 368,543. THE STANLEY WORKS, New Britain, Conn. Filed Aug. 21, 1935.



Trade mark consists of a series of parallelograms of a color contrasting with the original finish, placed diagonally across the box strapping, no claim being made to the representation of the box strapping per se.
For Box Strapping.
Claims use since Oct. 26, 1932.

Ser. No. 373,617. RICHMOND RADIATOR COMPANY, INC., Uniontown, Pa., and New York, N. Y. Filed Jan. 13, 1936.



For Bath Tubs, Lavatories, Sinks, and Laundry Trays.
Claims use since Dec. 12, 1935.

Ser. No. 375,681. WRIGHT PRODUCTS MANUFACTURING CO., Minneapolis, Minn. Filed Mar. 6, 1936.

HOSPRAY

For Spray Adjusting Hoseholders.
Claims use since Dec. 1, 1935.

CLASS 15

Oils and Greases

Ser. No. 368,861. PEOPLES OIL COMPANY, Atlanta, Ga. Filed Aug. 30, 1935.

TANKAR

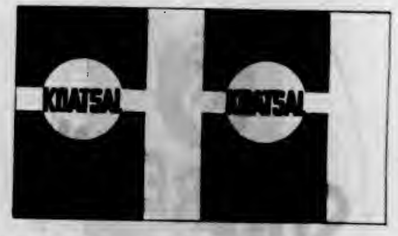
For Lubricating Oils.
Claims use since Aug. 19, 1935.

Ser. No. 373,175. KIDDER OIL COMPANY, La Crosse, Wis. Filed Dec. 30, 1935.

KOATSAL

For Motor Lubricating Oils.
Claims use since Nov. 1, 1935.

Ser. No. 373,176. KIDDER OIL COMPANY, La Crosse, Wis. Filed Dec. 30, 1935.



For Motor Lubricating Oils.
Claims use since Nov. 1, 1935.

Ser. No. 374,772. VALVOLINE OIL COMPANY, doing business as Penn Action Oil Company, Cincinnati, Ohio, and New York, N. Y. Filed Feb. 12, 1936.



For Lubricating Oils and Greases.
Claims use since Jan. 21, 1936.

Ser. No. 374,773. VALVOLINE OIL COMPANY, doing business as Penn Gram Oil Company, Cincinnati, Ohio, and New York, N. Y. Filed Feb. 12, 1936.

PENN GRAM

For Lubricating Oils and Greases.
Claims use since Jan. 21, 1936.

Ser. No. 375,354. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Feb. 28, 1936.

Mobil

For Lubricating Oils and Greases.
Claims use since June 15, 1934.

Ser. No. 375,379. DERBY OIL COMPANY, Wichita, Kans. Filed Feb. 29, 1936.

SOVEREIGN

For Gasoline.
Claims use since Apr. 8, 1935.

Ser. No. 376,071. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif. Filed Mar. 16, 1936.



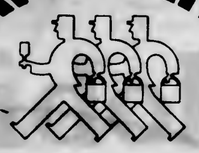
For Lubricating Oils and Greases.
Claims use since Feb. 28, 1936.

CLASS 16

Paints and Painters' Materials

Ser. No. 376,517. PHELAN-FAUST PAINT MFG. CO., St. Louis, Mo. Filed Mar. 26, 1936.

SAVOY-SATIN



For Ready Mixed Enamel for Interior Use.
Claims use since Jan. 2, 1936.

CLASS 17

Tobacco Products

Ser. No. 371,772. INDUSTRIAL CIGAR COMPANY, Pittsburgh, Pa., and Barnesville, Ohio. Filed Nov. 20, 1935.

Tech

For Stogies.
Claims use since June 1, 1921.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 374,313. WILLIAM H. REDMAN, doing business as Alma Trailer Company, Alma, Mich. Filed Jan. 31, 1936.

SILVER MOON

For Trailers.
Claims use since May, 1934.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 373,598. CRESCENT CABLE CO., doing business as Crescent Automotive Cables, Pawtucket, R. I. Filed Jan. 13, 1936.

CRESCENT

For Automobile Harness, Automobile Battery Cable Leads, Automobile Hi-Tension Ignition Cable, Automobile Terminals for Use on Wire and Cable, and Automobile Lighting Cable.
Claims use since Jan. 1, 1924.

Ser. No. 373,775. BULLDOG ELECTRIC PRODUCTS COMPANY, Detroit, Mich. Filed Jan. 17, 1936.

VACU-BREAK

The word "Break" is disclaimed apart from the mark "Vacu-Break".
For Electrical Switches and Electrical Contact Sets.
Claims use since Dec. 1, 1935.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 372,794. THE UNITED STATES PLAYING CARD COMPANY, Cincinnati, Ohio. Filed Dec. 18, 1935.



The portrait is that of Shirley Temple.
For Bridge Playing Cards.
Claims use since Nov. 25, 1935.

Ser. No. 372,795. THE UNITED STATES PLAYING CARD COMPANY, Cincinnati, Ohio. Filed Dec. 18, 1935.



The portrait is that of Shirley Temple.
For Bridge Playing Cards.
Claims use since Nov. 25, 1935.

Ser. No. 372,796. THE UNITED STATES PLAYING CARD COMPANY, Cincinnati, Ohio. Filed Dec. 18, 1935.



The portrait is that of Shirley Temple.
For Bridge Playing Cards.
Claims use since Nov. 25, 1935.

Ser. No. 372,797. THE UNITED STATES PLAYING CARD COMPANY, Cincinnati, Ohio. Filed Dec. 18, 1935.



The portrait is that of Shirley Temple.
For Bridge Playing Cards.
Claims use since Nov. 25, 1935.

Ser. No. 372,798. THE UNITED STATES PLAYING CARD COMPANY, Cincinnati, Ohio. Filed Dec. 18, 1935.



The silhouette is that of Shirley Temple. The suit designating symbol, spade, is disclaimed apart from the mark.
For Bridge Playing Cards.
Claims use since Nov. 25, 1935.

Ser. No. 372,799. THE UNITED STATES PLAYING CARD COMPANY, Cincinnati, Ohio. Filed Dec. 18, 1935.



The silhouette is that of Shirley Temple.
For Bridge Playing Cards.
Claims use since Nov. 25, 1935.

Ser. No. 372,801. THE UNITED STATES PLAYING CARD COMPANY, Cincinnati, Ohio. Filed Dec. 18, 1935.



SHIRLEY TEMPLE

The portrait is that of Shirley Temple.
For Bridge Playing Cards.
Claims use since Nov. 25, 1935.

Ser. No. 374,408. DONALD F. DUNCAN, INC., Chicago, Ill. Filed Feb. 3, 1936.

DUNCAN'S
GOLD SEAL
PETEKA

No claim is made to the term "Peteka" apart from the mark.
For Shuttlecocks.
Claims use since Oct. 8, 1935.

Ser. No. 375,313. HARRY A. ATWATER, Kansas City, Mo. Filed Feb. 28, 1936.

HORSE AND BUGGY

For Educational and Amusement Game.
Claims use since Feb. 1, 1936.

Ser. No. 376,457. BALLY MANUFACTURING COMPANY, Chicago, Ill. Filed Mar. 27, 1936.

RAY'S TRACK

For Coin Operated Simulated Race Game.
Claims use since Feb. 1, 1936.

Ser. No. 376,467. THE [illegible] MANUFACTURING COMPANY, Akron, Ohio. Filed Mar. 27, 1936.

4X

For Hooks, Snelled Hooks, Flies, and Leaders.
Claims use since July 6, 1933.

Ser. No. 376,539. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass. Filed Mar. 28, 1936.

BANKNITE

For Board Game Played with Movable Pieces.
Claims use since Mar. 25, 1936.

Ser. No. 376,599. THE MURRAY OHIO MANUFACTURING COMPANY, Cleveland, Ohio. Filed Mar. 30, 1936.

STEELCRAFT

Applicant is owner of the following Marks (1905) 185,508, 190,508, 191,124, 191,555.
For Juvenile Vehicles—Namely, Wagons, Scooters, Velocipedes, Combination Velocipedes and Side Cars, Park Cycles, Bicycles, Automobiles and Trucks, and Toys—Namely, Toy Automobiles and Trucks, Wheel-Barrows, Aeroplanes, Locomotives, Railway Cars, Steam Shovels and Steam Rollers, and Parts Thereof.
Claims use since June, 1922, on juvenile automobiles and trucks, toy automobiles and trucks, and coaster wagons; since April, 1925, on scooters and top steam shovels; since May, 1927, on toy aeroplanes; since February, 1928, on wheel-barrows; since May, 1930, on velocipedes, park cycles, toy locomotives, toy railway cars and toy steam shovels; since February, 1931, on combined velocipedes and sidecars; and since February, 1933, on bicycles.

Ser. No. 376,730. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass. Filed Apr. 2, 1936.

SPECULATION

For Board Game Played with Movable Pieces.
Claims use since 1885.

Ser. No. 376,839. STEPHEN J. FERON, INC., New York, N. Y. Filed Apr. 6, 1936.

MAGPIE



For Tennis Rackets, Squash Rackets, Badminton Rackets, Badminton Shuttle-Cocks, Tennis Racket Presses, Squash Racket Presses, Badminton Racket Presses, Tennis Racket Covers, Squash Racket Covers, and Badminton Racket Covers.
Claims use since May 1, 1931.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 370,287. THE AMERICAN FOUNDRY EQUIPMENT COMPANY, Mishawaka, Ind. Filed Oct. 12, 1935.

TUM-BLAST

The word "Blast" is disclaimed apart from the word "Tum".
For Abrasive Blast Apparatus Such as Mills, Cabinets, Containers, and Conveyors Used in Cleaning, Abrading, and/or Treating Metallic Castings, Forgings, Stampings, Bars, Billets, Sheets, and Like Articles by Means of an Abrasive Blast.
Claims use since June 28, 1928.

Ser. No. 373,085. THE IMPERIAL BRASS MANUFACTURING COMPANY, Chicago, Ill. Filed Dec. 24, 1935.



For Bending Tools, Pinch-Off Tools, Tube Cutters, Burnishing Tools, Flaring Tools, Swedging Tools, and Sizing Tools for Copper, Brass, and Aluminum Tubing, Reseating and Refacing Tools for Copper, Brass and Aluminum Tube Fittings, Such as Ells, Tees, Unions, Etc., Ratchet Wrenches, Packing Gland and Socket Wrenches, Air Compressors, Oil and Water Separators for Paint Lines, Combustion Engine Manifolds, Charging and Temperature Control Pumps for Refrigeration Lines, Engine Choke Controls, Primers for Combustion Engines, Accelerator Pedals, Oil Sight Feeds, Paint Spray Guns, Paint Spray Booths and Ventilators Therefor, Air Nozzles, Air and Water Nozzles, Paint Cups, Paint Tanks, Pressure Paint Feed Containers, Paint Strainers and Filters, Soldering Irons, Centrifugal Pumps, Oil Pumps, Circulating Pumps, Hand Air Pumps, Mechanical Lubricators, Sawing Vises, Air Chuck Attachments, Cutting Blocks for Tube and Hose, Sump Pumps.
Claims use since July 7, 1924.

Ser. No. 373,039. THE IMPERIAL BRASS MANUFACTURING COMPANY, Chicago, Ill. Filed Dec. 24, 1935.

IMPERIAL

For Bending Tools, Pinch-Off Tools, Tube Cutters, Burnishing Tools, Flaring Tools, Swedging Tools, and Sizing Tools for Copper, Brass, and Aluminum Tubing; Reseating and Refacing Tools for Copper, Brass and Aluminum Tube Fittings Such as Ells, Tees, Unions, Etc.; Ratchet Wrenches, Packing Gland and Socket Wrenches, Air Compressors, Oil and Water Separators for Paint Lines, Combustion Engine Manifolds, Charging and Temperature Control Pumps for Refrigerant Lines, Engine Choke Controls, Primers for Combustion Engines, Accelerator Pedals, Oil Sight Feeds, Paint Spray Guns, Paint Spray Booths and Ventilators Therefor, Air Nozzles, Air and Water Nozzles, Paint Cups, Paint Tanks, Pressure Paint Feed Containers, Paint Strainers and Filters, Soldering Irons, Centrifugal Pumps, Oil Pumps, Circulating Pumps, Hand Air Pumps, Mechanical Lubricators, Sawing Vises, Air Chuck Attachments, Cutting Blocks for Tube and Hose, and Sump Pumps.
Claims use since Jan. 24, 1905.

Ser. No. 374,026. THE TIMKEN-DETROIT AXLE COMPANY, Detroit, Mich. Filed Jan. 23, 1936.

Torsion-Flow

For Axle Shafts for Automotive and Street Car Axles.
Claims use since Jan. 8, 1936.

Ser. No. 374,888. LINK-BELT COMPANY, Chicago, Ill. Filed Feb. 15, 1936.

CIRCULINE

For Machinery, Apparatus, and Parts Thereof for Treating and Handling Sewage and Sludge.
Claims use since Dec. 1, 1935.

Ser. No. 375,092 METWOOD MANUFACTURING CO., Rockford, Ill. Filed Feb. 21, 1936.

METCO

For Kitchen Utensils—Namely, Food Graters and Shredders, Nut Meat Choppers, and Ice Crushers.
Claims use since June 14, 1933.

Ser. No. 375,491. H. BOKER & CO., INC., New York, N. Y. Filed Mar. 3, 1936.

VALLEY FORGE

For Articles of Cutlery—Namely, Pocket Knives, Table Knives, Forks, Razor Blades, Scissors, Shears, Carving Sets, Poultry Shears, Pliers, Corkscrews, Pie Servers, Paring Knives, Utility Knives, Spoons, Hair Clippers, Nail Nippers, Sheep Shears; Garden Tools Such as: Hedge Shears, Grass Shears, Pruning Shears, Grass Hooks, Scythes, Made of Base Metal.
Claims use since June 1, 1916.

Ser. No. 375,552. LUPOMATIC TUMBLING MACHINE CO., INC., New York, N. Y. Filed Mar. 4, 1936.

LUPOMATIC

For Tumbling Barrels for Abrading, Polishing, Finishing and Lacquering Articles of Metal, Wood, Natural or Artificial Stone, or of Plastic Material, Slicing Machines for Molded Plastics, Frazing Tools for Carving Wood, Artificial or Natural Stone, or Plastic Material, and Anti-Friction Bearings.
Claims use since June, 1934.

Ser. No. 376,347. JACKSON-WHEELER METALS SERVICE, INC., Brooklyn, N. Y. Filed Mar. 24, 1936.

TUFTEX

For Machinery Bushings and Bearings.
Claims use since Sept. 4, 1930.

Ser. No. 376,389. INTERNATIONAL BUSINESS MACHINES CORPORATION, New York, N. Y. Filed Mar. 25, 1936.

International

For Writing Machines.
Claims use since Feb. 27, 1936.

Ser. No. 376,433. KOPPEL INDUSTRIAL CAR AND EQUIPMENT COMPANY, Koppel, Pa. Filed Mar. 26, 1936. Under section 5b of the act of 1905 as amended in 1920.

KOPPEL

For Apparatus for Casting Concrete Structures.
Claims use since Feb. 20, 1932.

CLASS 24

Laundry Appliances and Machines

Ser. No. 373,090. WHEELING CORRUGATING COMPANY, Wheeling, W. Va. Filed Dec. 26, 1935.

DURA-ZINC-ALLOY

No claim is made to the words "Zinc-Alloy" per se.
For Metal Wash Tubs.
Claims use since Apr. 19, 1935.

Ser. No. 376,220. MARSHALL-WELLS COMPANY, Duluth, Minn. Filed Mar. 20, 1936.



The drawing is lined for orange.
For Laundry Washing Machines and Wringers.
Claims use since Feb. 28, 1936.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 373,872. E. AND T. FAIRBANKS AND COMPANY, St. Johnsbury, Vt. Filed Jan. 6, 1936.



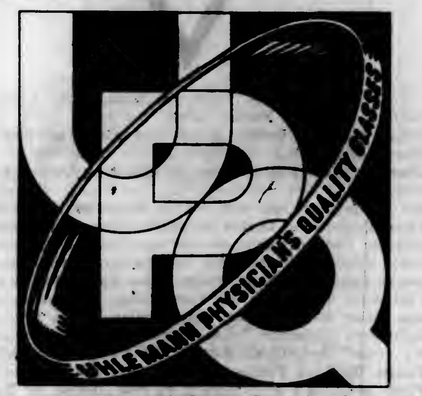
No claim is made to the word "Scales" apart from the mark nor to the representation of the name plate.
For Weighing Machines and Parts Thereof.
Claims use since Nov. 22, 1936.

Ser. No. 374,152. MIMOSA AMERICAN CORP., New York, N. Y. Filed Jan. 27, 1936.

LEUDI

For Photographic Exposure Meters.
Claims use since Apr. 1, 1935.

Ser. No. 374,771. UHLEMANN OPTICAL CO., Chicago, Ill. Filed Feb. 12, 1936.



The words "Physician's Quality Glasses" and the representation of a lens are disclaimed.
For Ophthalmic Mountings, Parts, and Fixtures.
Claims use since Dec. 15, 1935.

Ser. No. 376,133. PHOTO MARKETING CORPORATION, New York, N. Y. Filed Mar. 18, 1936.

MIKUT

For Cameras and Parts Thereof, Lenses and Enlargers, Sensitised Photographic Plates and Films, Photographic Camera Tripods, and Camera Plate Holders.
Claims use since Feb. 1, 1936.

Ser. No. 376,415. TAYLOR INSTRUMENT COMPANIES, Rochester, N. Y. Filed Mar. 25, 1936.

BINOC

For Thermometers and Thermometer Tubing.
Claims use since Mar. 10, 1936.

Ser. No. 376,429. EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Mar. 26, 1936.

VELOX

For Photographic Printing Machines.
Claims use since Feb. 27, 1936.

CLASS 27

Horological Instruments

Ser. No. 375,332. LIBERTY WATCH CASE CO., INC., New York, N. Y. Filed Feb. 28, 1936.

TY-MORE

For Watches.
Claims use since Feb. 20, 1936.

CLASS 31

Filters and Refrigerators

Ser. No. 371,830. SANITARY REFRIGERATOR COMPANY, Fond du Lac, Wis. Filed Nov. 21, 1935.



No claim is made to the words "Everpure" and "Conditioned Air" apart from the mark.
For Ice Boxes for the Preservation of Food and Other Perishable Articles.
Claims use since Oct. 7, 1935.

CLASS 32

Furniture and Upholstery

Ser. No. 375,212. THE HETTRICK MANUFACTURING COMPANY, Toledo, Ohio. Filed Feb. 25, 1936.

Gardenette

For Metal Furniture—Namely, Tables, Chairs, and Canopies Mounted on Supporting Standards.
Claims use since November, 1935.

Ser. No. 375,356. THE STEARNS & FOSTER CO., Cincinnati and Lockland, Ohio. Filed Feb. 28, 1936.

QUEEN ASTRID

For Mattresses and Box Springs.
Claims use since Feb. 12, 1936.

Ser. No. 375,419. BAKER FURNITURE FACTORIES, INC., Grand Rapids, Mich. Filed Mar. 2, 1936.

THE MANOR HOUSE

For Wooden and Upholstered Household and Office Furniture—Namely, Sofas, Stools, Love Seats, Wing Chairs, Barrel Chairs, Lounge Chairs, Slipper Chairs, Settees, Settles, Marquises, Footstools, Tilt-Top Tables, Hanging Shelves, Capstan Tables, Dumbwaiters, Coffee Tables, Stands, Urn Tables, Whatnots, Sofa Tables, Card Tables, Folding Card Tables, Magazine Racks, Desks, Secretaries, Bookcases, Nest Tables, Letter Racks, Cocktail Tables, Dressing Screens, Sconces, Picture Frames, Pier Tables, Fern Stands, Butler Trays, Lamp Tables, Powder Tables, Tray Top Tilt Tables, Pie Crust Tilt Tables, Drum Tables, Well Stands, Hanging Cabinets, Commode Tables, Octagon Tables, End Tables, Revolving Book Stands, Book Troughs, Sewing Tables, Corner Stands, Cellarettes, Kidney Bars, Dressing Chests, Mirrors, Dressing Tables, Portable Mirrors, Chests, Beds, Benches, Night Tables, Dresser Bases, Pedestal Cabinets, Trumeaus, Chiffoniers, Highboys, Lowboys, Sideboards, Cabinets, Servers, Dining Room Tables, Chairs, Arm Chairs, Buffets, Serving Tables, Commodes, Welsh Dressers, Pier Cabinets, Console Buffets, China Presses, Wall Mirrors, Consoles, and Corner Cabinets.
Claims use since Jan. 22, 1936.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 368,037. S. T. JOHNSON COMPANY, Oakland, Calif. Filed Aug. 6, 1935.

'LADDI'



The drawing is fanciful.
For Fluid Fuel Furnace.
Claims use since July 1, 1935.

Ser. No. 373,472. VAN CLEEF & ARPELS, Paris, France. Filed Jan. 8, 1936.

STYPTOR

For Pyrophoric Cigar and Cigarette Lighters.
Claims use since January, 1935.

Ser. No. 375,590. JULIUS KOHN, New York, N. Y. Filed Mar. 5, 1936.

IMCO

For Pyrophoric Lighters for Cigars, Cigarettes, and Pipes; Flint for Lighters; Wicks for Lighters.
Claims use since 1930.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 373,036. THE IMPERIAL BRASS MANUFACTURING COMPANY, Chicago, Ill. Filed Dec. 24, 1935.



For Rubber and Rubber Covered Hose for Paint Lines, Air and Gas Lines, Acetylene Lines, Oxygen Lines, Hose Charging Lines for Refrigeration Installations, Gasoline Hose Lines.
Claims use since July 29, 1924.

Ser. No. 373,037. THE IMPERIAL BRASS MANUFACTURING COMPANY, Chicago, Ill. Filed Dec. 24, 1935.

IMPERIAL

For Rubber and Rubber Covered Hose for Paint Lines, Air and Gas Lines, Acetylene Lines, Oxygen Lines, Hose Charging Lines for Refrigeration Installations, Gasoline Hose Lines.
Claims use since Aug. 3, 1927.

Ser. No. 375,061. THE B. F. GOODRICH COMPANY, New York, N. Y., and Akron, Ohio. Filed Feb. 21, 1936.

Koroseal

For Sheet Packing Embodying Plasticized Polymerized Vinyl Chloride.
Claims use since May 10, 1934.

Ser. No. 375,565. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y. Filed Mar. 4, 1936.

FLEET DELIVERY

The word "Delivery" is disclaimed except as shown.
For Rubber Tires for Vehicles.
Claims use since Jan. 31, 1936.

CLASS 36

Musical Instruments and Supplies

Ser. No. 375,076. CHICAGO MUSICAL INSTRUMENT COMPANY, Chicago, Ill. Filed Feb. 21, 1936.

Maestro

For Accordions.
Claims use since Feb. 13, 1936.

CLASS 37

Paper and Stationery

Ser. No. 373,778. FINDLER & WIBEL, INC., New York, N. Y. Filed Jan. 17, 1936.

STEM

For Blotting Paper and Pencils.
Claims use since December, 1915, on blotting paper; since August, 1934, on pencils.

Ser. No. 375,154. MASON DUPLICATOR SUPPLY COMPANY, INC., Norfolk, Va. Filed Feb. 24, 1936.

MADUCO

For Stencils, Varnish for Correcting Stencils, Duplicating Outfits, and Parts of Such Outfits.
Claims use since Oct. 15, 1935.

CLASS 38

Prints and Publications

Ser. No. 365,845. INTERNATIONAL BUSINESS MACHINES CORPORATION, New York, N. Y. Filed June 6, 1935.

THINK

For Periodical Publications.
Claims use since June 4, 1935.

Ser. No. 365,947. INTERNATIONAL BUSINESS MACHINES CORPORATION, New York, N. Y. Filed June 8, 1935.



For Periodical Publications.
Claims use since June 4, 1935.

Ser. No. 375,358. MAURICE R. TESHNOR, New York, N. Y. Filed Feb. 28, 1936.



The portraits are fanciful.
For Periodicals.
Claims use since Jan. 25, 1936.

Ser. No. 375,660. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Mar. 6, 1936.

Pay Day

For Magazines.
Claims use since Feb. 26, 1936.

Ser. No. 375,811. POST PUBLISHING COMPANY, Los Angeles, Calif. Filed Mar. 10, 1936.



For Newspaper.
Claims use since Feb. 3, 1936.

Ser. No. 375,851. NEA SERVICE, INC., Cleveland, Ohio. Filed Mar. 11, 1936.



For Comic Drawings Published in a Series in Daily and Sunday Newspapers.
Claims use since Feb. 8, 1936.

Ser. No. 375,852. NEA SERVICE, INC., Cleveland, Ohio. Filed Mar. 11, 1936.



For Comic Drawings Published in a Series in Daily and Sunday Newspapers.
Claims use since Sept. 25, 1931.

Ser. No. 375,933. EASTMAN FEATURES, INC., New York, N. Y. Filed Mar. 13, 1936.

NUMBERSCOPE

For Horoscopes.
Claims use since Feb. 19, 1936.

Ser. No. 375,984. EASTMAN FEATURES, INC., New York, N. Y. Filed Mar. 13, 1936.

NUMEROSCOPE

For Horoscopes.
Claims use since Feb. 19, 1936.

CLASS 39

Clothing

Ser. No. 373,990. BENTLEY-GRAY DRY GOODS COMPANY, doing business as Nobby Knitting Mills, Tampa, Fla. Filed Jan. 23, 1936.

NOBBY KNIT

The word "Knit" is disclaimed apart from the mark.
For Polo Shirts, Bathing Suits and Trunks, and Sweaters.
Claims use since Dec. 27, 1935.

Ser. No. 374,119. BERKSHIRE KNITTING MILLS, Wyomissing, Reading, Pa. Filed Jan. 27, 1936.

GENUINE Crepetwist SHEERS WITH STRENGTH

The words "Genuine Crepetwist Sheers with Strength" are disclaimed apart from the mark as shown.
For Hosiery.
Claims use since Dec. 17, 1935.

Ser. No. 374,323. DANBERG FURS, INC., New York, N. Y. Filed Jan. 31, 1936.

EXCELSIOR

For Ladies' Fur Coats.
Claims use since Jan. 11, 1936.

Ser. No. 374,372. JOSEPH LOVE, INC., New York, N. Y. Filed Feb. 1, 1936.

Authentic "Princess Elizabeth"

For Knitted Wear for Children—Namely, Dresses, Panties, Coats, and Caps; Hats, Bathing Suits, Raincoats, Hosiery, Play Togs, Pajamas, Undershirts, and Drawers, Leather Shoes and Slippers.
Claims use since Mar. 1, 1932.

Ser. No. 374,432. RELIANCE MANUFACTURING COMPANY, doing business as The Sterling Company, Chicago, Ill. Filed Feb. 3, 1936.

TOPHAT

The words "A Sterling Creation" are disclaimed apart from the mark shown.
For Ladies' Dresses.
Claims use since Jan. 22, 1936.

Ser. No. 374,444. VAN RAALTE COMPANY, New York, N. Y. Filed Feb. 3, 1936.

KAVAN

For Outer and Under Shirts, Pajamas, Underwear, Robes, Mufflers for Men and Boys.
Claims use since Dec. 31, 1935.

Ser. No. 374,511. CANADIAN FUR TRAPPERS CORPORATION, New York, N. Y. Filed Feb. 5, 1936.

BONDED CANADIAN SEAL Dyed Coney

The words "Bonded Canadian Seal" and "Dyed Coney" are disclaimed apart from the mark.
For Fur Coats and Fur Trimmed Coats for the Use of Men, Women, and Children.
Claims use since Sept. 1, 1919.

Ser. No. 375,189. JOSEPH ZUKIN DRESSES INC., Los Angeles, Calif. Filed Feb. 24, 1936.

HOLLYWOOD Starlettes

For Dresses Made for the Use of Women and Misses and Juniors and Children.
Claims use since Jan. 1, 1936.

Ser. No. 375,280. THE WEISBAUM BROS., BROWER COMPANY, Cincinnati, Ohio. Filed Feb. 25, 1936.

THE TOPPER

For Men's Neckties and Mufflers.
Claims use since Feb. 17, 1936.

Ser. No. 375,287. FASHION PARK MANUFACTURING CORPORATION, Rochester, N. Y. Filed Feb. 27, 1936.

CHROMA STRIPES

The word "Stripes" is disclaimed apart from the mark.
For Men's Suits, Including Coats, Vests, and Pants.
Claims use since Feb. 17, 1936.

Ser. No. 375,288. FASHION PARK MANUFACTURING CORPORATION, Rochester, N. Y. Filed Feb. 27, 1936.

JUMBO PLAIDS

The words "Jumbo Plaids" are disclaimed apart from the mark.
For Men's Suits, Including Coats, Vests, and Pants.
Claims use since Feb. 17, 1936.

Ser. No. 375,384. GIMBEL BROTHERS, INC., New York, N. Y. Filed Feb. 29, 1936.

GIMBELS RACQUET SEAT

The word "Seat" is disclaimed apart from the mark.
For Men's and Boys' Underwear—Namely, Shorts, and Union Suits.
Claims use since Feb. 1, 1936.

Ser. No. 375,771. MODERN MERCHANDISING BUREAU, INC., New York, N. Y. Filed Mar. 9, 1936.

Teleradio FASHIONS

The word "Fashions" itself, is disclaimed.
For Women's, Misses', and Children's Hats and Caps; Scarfs of Silk, Wool, Rayon, Linen, and Cotton; Shoes of Leather, Calfskin, Fabric, Satin, and Linen, or Any Combination Thereof; Underwear of Knitted, Netted, and Textile Fabrics; Bloomers, Chemises, Brassières, Negligees, Petticoats, Slips, Panties, Vests and Shirts for Underwear, Nightgowns, Pajamas, Wraps, Skirts for Under and Outer Wear, Knickers, Riding Habits, Beach Overalls and Beach Pajamas; Coats, Blouses, Shirtwaists, Gowns, Frocks, Dresses, and Suits.
Claims use since Oct. 3, 1935.

Ser. No. 375,782. C. B. SHANE CORPORATION, Chicago, Ill. Filed Mar. 9, 1936.

Season Skipper



For Men's Overcoats and Topcoats.
Claims use since Mar. 5, 1936.

Ser. No. 375,980. THE B. V. D. COMPANY, INC., Baltimore, Md. Filed Mar. 14, 1936.

Ruggers

For Sport Shirts.
Claims use since Dec. 28, 1935.

Ser. No. 375,996. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y. Filed Mar. 14, 1936.

The RUFFIAN

For Men's and Boys' Topcoats.
Claims use since Feb. 10, 1936.

Ser. No. 375,997. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y. Filed Mar. 14, 1936.

WINDGATE

For Men's and Boys' Topcoats.
Claims use since Feb. 3, 1936.

Ser. No. 376,274. GORDON & FERGUSON COMPANY, St. Paul, Minn. Filed Mar. 23, 1936.

RAGORA

For Coats for Men and Women.
Claims use since Mar. 1, 1936.

Ser. No. 376,591. I. C. ISAACS & COMPANY, INC., Baltimore, Md. Filed Mar. 30, 1936.



The words "Custom Togs" are disclaimed apart from the mark.
For Riding Breeches, Jodhpurs, and Riding Coats and Vests for Men, Women, and Children.
Claims use since Feb. 1, 1935.

CLASS 42

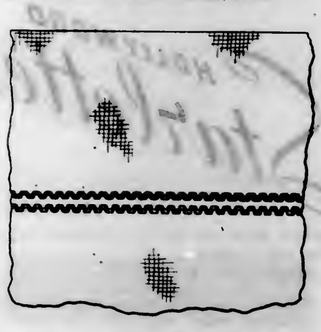
Knitted, Netted, and Textile Fabrics

Ser. No. 359,593. SOLOMON E. RAINS, doing business as S. E. Rains Company, New York, N. Y. Filed Dec. 22, 1934.



For Handkerchiefs.
Claims use since 1914.

Ser. No. 373,734. THE HETTRICK MANUFACTURING COMPANY, Toledo, Ohio. Filed Jan. 16, 1936.



Trade-mark consists of two lines—namely, a red and a green line arranged closely together in parallel relationship. The representation of a portion of the goods is disclaimed apart from the mark shown.
For Cotton Piece Goods—Namely, Cotton Duck Laundry Textiles.
Claims use since December, 1931.

Ser. No. 375,177. SCHINDEL-MCDANIELS CO. INC., New York, N. Y. Filed Feb. 24, 1936.



The drawing is lined to indicate a reddish brown color.
For Bed Sheets and Spreads and Pillow Cases.
Claims use since August, 1935.

Ser. No. 375,275. SILVER-POM DRESS CORP., New York, N. Y. Filed Feb. 26, 1936.

TWINKLING BROOK

For Silk and Rayon Goods in the Piece.
Claims use since Dec. 15, 1934.

CLASS 43

Thread and Yarn

Ser. No. 373,317. NATIONAL YARN CORPORATION, Cleveland, Ohio. Filed Jan. 3, 1936.



The word "Brand" is disclaimed apart from the mark.
For Threads and Yarns.
Claims use since Jan. 2, 1924.

Ser. No. 376,425. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Mar. 26, 1936.

CELAFIL

For Yarns.
Claims use since Mar. 24, 1936.

Ser. No. 376,895. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Apr. 7, 1936.

WOOLANESE

For Yarns.
Claims use since Apr. 3, 1936.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 370,385. MANLEY RUBBER PRODUCTS CO., INC., New York, N. Y. Filed Oct. 15, 1935.



The outline of the envelope is disclaimed.
For Prophylactic Rubber Articles for the Prevention of Contagious Diseases.
Claims use since May 20, 1935.

Ser. No. 374,837. GEORGE AUGUSTUS MOWER, London, England. Filed Jan. 31, 1936.

TOVARICH

For Electrically Heated Blankets and Bed Pans.
Claims use since Aug. 10, 1935.

Ser. No. 374,867. VICK CHEMICAL COMPANY, Philadelphia, Pa. Filed Feb. 14, 1936.

VICKS

For Medicine Droppers.
Claims use since Jan. 5, 1931.

Ser. No. 374,939. THE RADIUM EMANATION CORPORATION, New York, N. Y. Filed Feb. 17, 1936.

REC

For Diathern Unit Used for Therapeutic Purposes.
Claims use since Dec. 17, 1935.

Ser. No. 375,142. PAUL G. GAIER, New York, N. Y. Filed Feb. 24, 1936.



For Permanent Wave Machines.
Claims use since December, 1935.

Ser. No. 375,535. B-ETTES COMPANY, INC., Du Bois, Pa. Filed Mar. 4, 1936.

B-ettes

For Hygienic Tampons.
Claims use since Jan. 31, 1934.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 373,911. COMPAGNIE FERMIERE DE L'ETABLISSEMENT THERMAL DE VICHY, Paris, France. Filed Jan. 21, 1936.



All notations are disclaimed except the letters "VF". The drawing is lined for red and blue.
For Natural Mineral Waters.
Claims use since Apr. 9, 1907.

Ser. No. 376,830. APPLE PRODUCTS, INC., Wenatchee, Wash. Filed Apr. 6, 1936.



William Tell



For Apple Juice.
Claims use since Jan. 15, 1936.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 361,342. WARD BAKING COMPANY, New York, N. Y. Filed Feb. 12, 1935.

VIRON

For Breakfast Cereal, Bread, Cake, Yeast, a Prepared Flour for Biscuits and Muffins, and a Chocolate Preparation for Use in Making a Chocolate Food Drink.
Claims use since Jan. 25, 1935.

Ser. No. 362,705. ONTARIO-CUCAMONGA FRUIT EXCHANGE, doing business as O. K. Fruit Exchange, Upland, Calif. Filed Mar. 18, 1935.

OK

For Fresh Citrus Fruit.
Claims use since May 1, 1934.

Ser. No. 363,267. BUNTE BROTHERS, Chicago, Ill. Filed Apr. 1, 1935.

KINDERGARTEN

For Candy.
Claims use since October, 1890.

Ser. No. 366,607. ANTONIO CORRAO, New York, N. Y. Filed June 25, 1935.

GIULIETTA

For Olive Oil.
Claims use since Oct. 12, 1920.

Ser. No. 370,229. SOUTHERN STATES MARKETING COOPERATIVE, INCORPORATED, Richmond, Va., and Washington, D. C. Filed Oct. 10, 1935.

EARLY DELIGHT

For Eggs.
Claims use since Nov. 29, 1933.

Ser. No. 370,637. S. J. VALK & SON, New York, N. Y. Filed Oct. 21, 1935.



The representation of the label and the words "Brand" and "New York" are disclaimed apart from the mark.
For Olives, Capers, and Bottled Cherries.
Claims use since Sept. 17, 1935.

Ser. No. 371,962. CASH ECONOMY WHOLESALE GROCERY CO., doing business as Keco Milling Co. and U-Tote-Em Stores, McKenzie, Tenn. Filed Nov. 25, 1935.

AC RO

For Coffee, Wheat Flour, and Corn Meal.
Claims use since May, 1935.

Ser. No. 372,792. SUN-LIFE BRANDS, INC., New York, N. Y. Filed Dec. 18, 1935.

BLENDRINK

For Blend of Vegetable and Fruit Juices.
Claims use since Dec. 16, 1935.

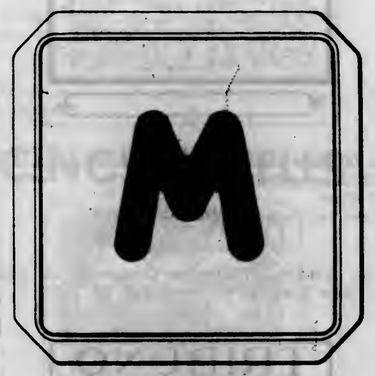
Ser. No. 373,158. WILLIAM J. STANGE CO., Chicago, Ill. Filed Dec. 30, 1935.



CREAM OF SPICES

The words "Brand" and "Spices" are disclaimed apart from the mark.
For Canned or Packaged Seasoning in Powder Form for Soups, Meats, Mayonnaise, Etc.
Claims use since May 10, 1935.

Ser. No. 373,316. MYLES SALT CO., LTD., New Orleans, La. Filed Jan. 3, 1936.



The representation of the goods is disclaimed.
For Salt Block for Stock Feed.
Claims use since Dec. 23, 1935.

Ser. No. 373,615. PHILLIPS PACKING CO. INC., Cambridge, Md. Filed Jan. 13, 1936.



The word "Delicious" is disclaimed apart from the mark. The drawing is lined for green and gold.
For Canned Soups, Canned Vegetables, Canned Tomato Juice, Canned Spaghetti, Canned Corned Beef Hash, Chili Con Carne, Canned Beans and Pork, Canned Herring, Tomato Puree.
Claims use since 1925.

Ser. No. 373,657. SIMS, INC., St. Paul, Minn. Filed Jan. 15, 1936.



The portrait is that of the child of Mrs. Minnie M. Snyder and Mr. Corydon G. Snyder.
For Malt and Wheat Breakfast Food.
Claims use since Sept. 15, 1914.

Ser. No. 375,727. SALES & BOURKE, INC., Petaluma, Calif. Filed Mar. 7, 1936.



The words "Trade Mark" and the representation of a chick are disclaimed apart from the mark.
For Baby Chicks.
Claims use since Nov. 20, 1935.

Ser. No. 375,760. GLENN CONFECTIONS, INC., Buffalo, N. Y. Filed Mar. 9, 1936.

BROWN BOMBER

For Chewing Gum in the Form of a Statuette, Made of Paraffine and Sugar, Capable of Being Chewed.
Claims use since Mar. 6, 1936.

Ser. No. 375,841. BROCK CANDY COMPANY, Chattanooga, Tenn. Filed Mar. 11, 1936.

PEP-UPPERS

For Candy.
Claims use since Dec. 10, 1935.

Ser. No. 375,917. NATIONAL BISCUIT COMPANY, New York, N. Y. Filed Mar. 13, 1936.



For Bakery Products—Namely, Pretzels.
Claims use since Feb. 25, 1936.

Ser. No. 376,004. PEVELY DAIRY COMPANY, St. Louis, Mo. Filed Mar. 14, 1936.

SUNNY-DELL

For Dairy Products—Namely, Evaporated Milk.
Claims use since Mar. 10, 1936.

Ser. No. 376,066. THE QUAKER OATS COMPANY, Chicago, Ill. Filed Mar. 16, 1936.

SEA BREEZE



For Wheat Flour and Corn Meal.
Claims use since July, 1910.

Ser. No. 376,092. JACK G. MARINOVICH, Watsonville, Calif. Filed Mar. 17, 1936.

TOP ROW

For Fresh Vegetables.
Claims use since Feb. 26, 1936.

Ser. No. 376,128. HEGER PRODUCTS COMPANY, St. Paul, Minn. Filed Mar. 18, 1936.

NIBBLES

For Animal Food—Namely, Dog Foods.
Claims use since 1926.

CLASS 47

Wines

Ser. No. 374,813. BISCEGLIA BROTHERS CORP., Philadelphia, Pa. Filed Feb. 14, 1936.

EVERGREEN

For Wine.
Claims use since Oct. 14, 1934.

Ser. No. 374,915. VERMOUTH INDUSTRIES OF AMERICA, INC., New York, N. Y. Filed Feb. 15, 1936.



The facsimile signature is in the handwriting of Mario P. Tribuno, president of applicant.
For Wines.
Claims use since Feb. 10, 1936.

Ser. No. 374,916. VERMOUTH INDUSTRIES OF AMERICA, INC., New York, N. Y. Filed Feb. 15, 1936.



The facsimile signature is in the handwriting of Mario P. Tribuno, president of applicant. The portrait is fanciful.
For Wines.
Claims use since Feb. 10, 1936.

Ser. No. 375,259. MALLOTT-JOHNSON CO., Chicago, Ill. Filed Feb. 26, 1936.



The words "Carbonated Apple Product," "Sole U. S. A. Distributors" and "Chicago, Ill." are disclaimed apart from the mark.
For Carbonated Alcoholic Cider.
Claims use since August, 1935.

Ser. No. 375,839. BISCEGLIA BROTHERS CORP., Philadelphia, Pa. Filed Mar. 11, 1936.

ADAIR

For Wines.
Claims use since Jan. 2, 1936.

Ser. No. 376,027. ARATA BROS., Portland, Oreg. Filed Mar. 16, 1936.

CINCINNATUS



For Wines.
Claims use since Feb. 4, 1935.

CLASS 49

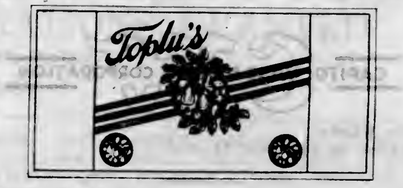
Distilled Alcoholic Liquors

Ser. No. 362,273. ROBERT E. REYNOLDS, New Haven, Conn. Filed Mar. 8, 1935.

FISH HOUSE

For Alcoholic Punches.
Claims use since Oct. 1, 1885.

Ser. No. 374,036. THE BEAR CREEK COMPANY, Merced, Calif. Filed Jan. 24, 1936.



For Fig Brandy.
Claims use since July 16, 1935.

Ser. No. 376,219. MALLARD DISTILLING CO. INC., Jersey City, N. J. Filed Mar. 20, 1936.

MALLARD



For Whiskey.
Claims use since 1899.

Ser. No. 376,244. JAMES H. HILTON, St. Louis, Mo. Filed Mar. 21, 1936.

KY. DELIGHT.

For Whiskey.
Claims use since Feb. 26, 1936.

Ser. No. 376,364. LONDON & COMPANY, INC., Elizabeth, N. J. Filed Mar. 25, 1936.



For Gin and Whiskey.
Claims use since June 3, 1935.

Ser. No. 376,375. Capitol Wine & Spirit Corporation, New York, N. Y. Filed Mar. 25, 1936.

CAPITOL WINE & SPIRIT CORPORATION

For Whiskey.
Claims use since Nov. 12, 1935.

Ser. No. 376,717. The Tom Collins Corporation, Covington, Ky. Filed Apr. 2, 1936.

PRONTO

For Alcoholic Punches, Whiskey Highball, Gin Highball, Whiskey Sour, Gin Sour, Whiskey Shot, and Gin Shot.
Claims use since Aug. 7, 1935.

Ser. No. 376,732. Portal, Dingwall & Norris, London, England. Filed Apr. 2, 1936.

SAUNDERS OB

For Whisky.
Claims use since October, 1883.

Ser. No. 376,891. Bloomingdale Bros., Inc., New York, N. Y. Filed Apr. 7, 1936.

GALLANT PRINCE

For Whiskey, Gin, and Rum.
Claims use since Mar. 30, 1936.

Ser. No. 376,985. Capitol Wine & Spirit Corporation, New York, N. Y. Filed Apr. 9, 1936.

PATRICK'S OWN

For Whiskey.
Claims use since Mar. 23, 1936.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 369,291. Anchor Cap & Closure Corporation, Long Island City, N. Y. Filed Sept. 14, 1935.

ANCHOR BEACON

For Metal Caps or Closures.
Claims use since June 22, 1926.

Ser. No. 374,222. Vulcan Proofing Company, New York, N. Y. Filed Jan. 28, 1936.

Vulcana

For Coated and Waterproof Fabrics for the Manufacture of Waterproofed Table Covers, Shower Curtain Material, Window Drapes, Upholstery Material, Book-Binding Material, Belts, Pocketbooks, and Articles of Baggage.
Claims use since Sept. 1, 1935.

Ser. No. 374,804. Sears, Roebuck and Co., Chicago, Ill. Filed Feb. 13, 1936.

VITO-MESH

The word "Mesh" is disclaimed apart from the mark.
For Glass Substitute—Namely, a Woven Cotton Netting Filled with an Acetate Compound to Permit the Penetration of Violet Rays.
Claims use since Nov. 27, 1935.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MAY 12, 1936

334,623. COMBINED WOOL AND RAYON YARNS. James Lees & Sons Company, Bridgeport, Pa.
Filed January 15, 1936. Serial No. 373,694. PUBLISHED FEBRUARY 25, 1936. Class 43.

334,624. ELECTRIC LAMPS, AND REFLECTORS THEREFOR. Doray Lamp Co., Inc., Chicago, Ill.
Filed January 15, 1936. Serial No. 373,680. PUBLISHED MARCH 3, 1936. Class 21.

334,625. HARROWS. Babcock Manufacturing Co., Leonardsville, N. Y.
Filed January 15, 1936. Serial No. 373,664. PUBLISHED MARCH 3, 1936. Class 23.

334,626. ELECTRICAL WIRES AND ELECTRICAL CORDS AND CABLES. American Circular Loom Company, Inc., New York, N. Y.
Filed January 15, 1936. Serial No. 373,660. PUBLISHED MARCH 3, 1936. Class 21.

334,627. READY-MIXED PAINTS, PAINT ENAMELS, VARNISHES, DRYERS, THINNERS, REDUCING LIQUIDS, PASTE COLORS, AND PUTTY GLAZE. Socony Paint Products Company, New York, N. Y.
Filed January 14, 1936. Serial No. 373,656. PUBLISHED MARCH 3, 1936. Class 16.

334,628. PLAYING CARDS. Orville E. Worley, Stockville, Nebr.
Filed January 14, 1936. Serial No. 373,651. PUBLISHED MARCH 3, 1936. Class 22.

334,629. BLACKBERRY, SLOE GIN, PEACH, APRICOT, CHERRY, WHISKEY, BRANDY, AND RUM LIQUEURS. Leroux and Company, Inc., Philadelphia, Pa.
Filed January 14, 1936. Serial No. 373,642. PUBLISHED MARCH 3, 1936. Class 49.

334,630. CANNED GREEN BEANS. Hillman Packing Company, Salem, Oreg.
Filed January 13, 1936. Serial No. 373,606. PUBLISHED MARCH 3, 1936. Class 46.

334,631. ACCORDIONS. Chicago Musical Instrument Company, Chicago, Ill.
Filed January 13, 1936. Serial No. 373,594. PUBLISHED MARCH 3, 1936. Class 36.

334,632. POWDER FOR CLEANING AND POLISHING DENTURES. Theodore Edgar Stainback, doing business as The Stainback Company, Henderson, N. C.
Filed January 11, 1936. Serial No. 373,577. PUBLISHED FEBRUARY 25, 1936. Class 4.

334,633. CRUSHED WHEAT BREAKFAST FOOD BISCUITS. Olive Cross, Washington, D. C.
Filed January 11, 1936. Serial No. 373,563. PUBLISHED MARCH 3, 1936. Class 46.

334,634. NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND ALSO USED AS MIXERS. Julia Covell, doing business as Sun Dew Beverage Company, San Diego, Calif.
Filed January 11, 1936. Serial No. 373,562. PUBLISHED MARCH 3, 1936. Class 45.

334,635. NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND FOR USE AS MIXERS. Maurice J. White, doing business as American Club Beverages, Rochester, N. Y.
Filed January 10, 1936. Serial No. 373,547. PUBLISHED MARCH 3, 1936. Class 45.

334,636. TOYS—NAMELY, POLICE, SEA-CAPTAIN, AVIATOR, COWBOY, SOLDIER, INDIAN, BOY-SCOUT SETS, SOLD AS A UNIT, AND TABLE-BOARD GAMES PLAYED WITH PIECES. S. Cohen & Son, Philadelphia, Pa.
Filed January 10, 1936. Serial No. 373,522. PUBLISHED MARCH 3, 1936. Class 22.

334,637. PAPER NAPKINS. The Sterilek Company Inc., Brooklyn, N. Y.
Filed January 9, 1936. Serial No. 373,507. PUBLISHED FEBRUARY 25, 1936. Class 37.

334,638. IRON CASTINGS AND ALLOYED IRON CASTINGS. Detroit Gray Iron Foundry Company, Detroit, Mich.
Filed January 9, 1936. Serial No. 373,489. PUBLISHED FEBRUARY 25, 1936. Class 14.

334,639. GLOVE LEATHER. Wood & Hyde Company, Gloversville, N. Y.
Filed January 7, 1936. Serial No. 373,437. PUBLISHED FEBRUARY 25, 1936. Class 1.

334,640. WOOLEN, WORSTED, ANGORA, COTTON, SILK, AND RAYON YARN AND MIXTURES THEREOF. Steinberger Bros. Inc., New York, N. Y.
Filed January 7, 1936. Serial No. 373,432. PUBLISHED FEBRUARY 25, 1936. Class 43.

334,641. SECTION OF A NEWSPAPER PUBLICATION. Minneapolis Star Company, Minneapolis, Minn.
Filed January 6, 1936. Serial No. 373,388. PUBLISHED FEBRUARY 25, 1936. Class 38.

334,642. CANNED SALMON. Wm. W. McBride, doing business as Wm. W. McBride Co., Seattle, Wash.
Filed January 6, 1936. Serial No. 373,387. PUBLISHED MARCH 3, 1936. Class 46.

334,643. CANNED SALMON. Wm. W. McBride, doing business as Wm. W. McBride Co., Seattle, Wash.
Filed January 6, 1936. Serial No. 373,386. PUBLISHED MARCH 3, 1936. Class 46.

334,644. RUM. J. B. Havre & Co., San Francisco, Calif.
Filed January 6, 1936. Serial No. 373,380. PUBLISHED MARCH 3, 1936. Class 49.

334,645. FRESH CITRUS FRUIT. Lakeland Groves Company, Lakeland, Fla.
Filed December 9, 1935. Serial No. 372,422. PUBLISHED MARCH 3, 1936. Class 46.

334,646. DRESSING FOR CEREALS, VEGETABLES, MEATS, BREADS, ETC. A. L. Friend, doing business as A. L. F. Company, Washington, D. C.
Filed December 9, 1935. Serial No. 372,411. PUBLISHED MARCH 3, 1936. Class 46.

334,647. CLEANSING TISSUE. San-Nap-Pak Mfg. Co. Inc., New York, N. Y.
Filed December 9, 1935. Serial No. 372,434. PUBLISHED FEBRUARY 25, 1936. Class 37.

334,648. BUTTONS AND BUCKLES NOT MADE OF PRECIOUS METALS AND USED ON WEARING APPARELS. Louis Sher, doing business as Hy-Art Button Works, New York, N. Y.
Filed December 7, 1935. Serial No. 372,378. PUBLISHED FEBRUARY 18, 1936. Class 40.

334,649. VENETIAN BLINDS; VENETIAN BLIND HEADBARS, CASINGS, AND SLATS THEREFOR. MASTER VENETIAN BLIND HARDWARE CORP., New York, N. Y.
Filed December 7, 1935. Serial No. 372,375. PUBLISHED MARCH 3, 1936. Class 32.

334,650. EYEBROW AND EYELASH GROWER, EYEBROW PENCILS, CHEMICAL PREPARATIONS SUITABLE FOR THE DARKENING OF EYELASHES AND EYEBROWS, HAIR SALVES, HAIR ELIXIRS, DANDRUFF PREPARATIONS, HAIR TONICS, HAIR OILS, SHAMPOOS, HAIR DYES, BRILLIANTINE, PEROXIDE, AND PETROLEUM JELLIES. THE LANDER CO., INC., New York, N. Y.
Filed December 7, 1935. Serial No. 372,370. PUBLISHED FEBRUARY 25, 1936. Class 6.

334,651. FOOT CREAM. CLARE C. CONRAD, Wayne, N. Y.
Filed December 12, 1935. Serial No. 372,549. PUBLISHED FEBRUARY 18, 1936. Class 6.

334,652. CIGARS. M. & N. CIGAR MANUFACTURERS, INC., Cleveland, Ohio.
Filed December 11, 1935. Serial No. 372,523. PUBLISHED FEBRUARY 25, 1936. Class 17.

334,653. RAZOR BLADES. CONSOLIDATED RAZOR BLADE CO. INC., Jersey City, N. J.
Filed December 11, 1935. Serial No. 372,510. PUBLISHED MARCH 3, 1936. Class 23.

334,654. HEATING RADIATORS. MIKOLAJ STEFANCZYK, Hamtramck, Mich.
Filed December 10, 1935. Serial No. 372,492. PUBLISHED MARCH 3, 1936. Class 34.

334,655. RUGS. SACHS QUALITY FURNITURE INC., New York, N. Y.
Filed December 10, 1935. Serial No. 372,488. PUBLISHED FEBRUARY 18, 1936. Class 42.

334,656. DOG FOOD, CAT FOOD, AND FOX FOOD. HERBEN SEROIS, doing business as Nutro Dog Food Company, Santa Monica, Calif.
Filed October 8, 1934. Serial No. 356,888. PUBLISHED DECEMBER 18, 1934. Class 46.

334,657. HYDRAULIC SHOCK ABSORBER FLUID AND HYDRAULIC BRAKE FLUID. WINDSOR-LLOYD PRODUCTS, INC., Wilmington, Del.
Filed August 6, 1934. Serial No. 354,715. PUBLISHED FEBRUARY 25, 1936. Class 6.

334,658. READY-MIXED PAINTS, PAINT ENAMELS, VARNISHES, STAINS, PAINT COLORS, PAINT DRIERS, WAX POLISHES, AUTOMOBILE AND FURNITURE POLISHES, AND CHEMICAL PAINT AND VARNISH REMOVERS. THE COCHRAN COMPANY, Cleveland, Ohio.
Filed June 29, 1934. Serial No. 353,320. PUBLISHED MARCH 3, 1936. Class 16.

334,659. CANNED FRUITS AND CANNED FRUIT JUICES FOR FOOD PURPOSES. FLORIDA FRUIT CANNERS INC., Frostproof, Fla.
Filed December 9, 1935. Serial No. 372,409. PUBLISHED MARCH 3, 1936. Class 46.

334,660. BEER. HEMRICH BREWING CO., Seattle, Wash.
Filed August 19, 1935. Serial No. 368,447. PUBLISHED MARCH 3, 1936. Class 48.

334,661. LAUNDRY BLUE IN POWDERED AND LIQUID FORM, LAUNDRY STARCH, INK REMOVER IN LIQUID FORM, LAUNDRY SOUR WHICH IS A MILD ACID IN POWDERED OR LIQUID FORM USED FOR NEUTRALIZING ALKALIES IN DRY CLEANING AND LAUNDRY WASHING PROCESSES, AND DISINFECTANT. MERCHANTS CHEMICAL COMPANY, INC., New York, N. Y.
Filed August 13, 1935. Serial No. 368,264. PUBLISHED FEBRUARY 18, 1936. Class 6.

334,662. COSMETIC USED AS AN ALL-OVER MAKE-UP. LYDIA O'LEARY, INC., doing business as Lydia O'Leary, New York, N. Y.
Filed August 7, 1935. Serial No. 368,078. PUBLISHED FEBRUARY 18, 1936. Class 6.

334,663. FURNITURE IN STYLE PERIODS—QUEEN ANNE, CHIPPENDALE, HEPPLEWHITE, SHERATON, ADAM, ROBERT AND J. SHERARER, DUNCAN PHYFE, DIRECTOIRE, LOUIS XIV, XV, AND XVI, ETC. POTTHAST BROS. INC., Baltimore, Md.
Filed July 31, 1935. Serial No. 367,847. PUBLISHED MARCH 3, 1936. Class 32.

334,664. REFRACTORY BRICKS, REFRACTORY CEMENT, HOLLOW CEMENT BLOCKS, INSULATING BRICKS, AND INSULATING CEMENT. THE EAGLE-PICHER LEAD COMPANY, Cincinnati, Ohio.
Filed July 26, 1935. Serial No. 367,712. PUBLISHED SEPTEMBER 17, 1935. Class 12.

334,665. LOOP-FORMING IMPLEMENTS FOR USE IN PRODUCTION OF RUGS AND PILE EFFECTS ON FABRICS. THE OSANN CORPORATION, Elizabethport, N. J., and New York, N. Y.
Filed July 25, 1935. Serial No. 367,678. PUBLISHED MARCH 3, 1936. Class 23.

334,666. BREAD. MAINE BAKING COMPANY, Auburn, Maine.
Filed July 1, 1935. Serial No. 366,866. PUBLISHED MARCH 3, 1936. Class 46.

334,667. ARTIFICIAL LEATHER. THE LEATHERCRAFT CORPORATION, New York, N. Y.
Filed July 1, 1935. Serial No. 366,862. PUBLISHED FEBRUARY 25, 1936. Class 50.

334,668. RUBBER BATHING CAPS. INTERNATIONAL LATEX CORPORATION, Rochester, N. Y.
Filed June 3, 1935. Serial No. 365,734. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,669. RAW, TREATED, AND DYED FUR SKINS AND PARTS THEREOF. NU WEST FUR DYEING CORP., Brooklyn, N. Y.
Filed May 31, 1935. Serial No. 365,647. PUBLISHED FEBRUARY 25, 1936. Class 1.

334,670. SHOES MADE OF LEATHER, LEATHER AND FABRIC, AND THE COMBINATION OF LEATHER, RUBBER, AND FABRIC. THE WALKER T. DICKERSON COMPANY, Columbus, Ohio.
Filed May 31, 1935. Serial No. 365,607. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,671. CIGARS. TAMPA IMPORTERS, INC., New York, N. Y., assignor to Harold W. Bonwit, Scarsdale, N. Y.
Filed December 9, 1935. Serial No. 372,444. PUBLISHED FEBRUARY 25, 1936. Class 17.

334,672. METAL AND COMBINATION GLASS AND METAL GLOBES AND REFLECTORS. THE MILLER COMPANY, Meriden, Conn.
Filed December 21, 1935. Serial No. 372,918. PUBLISHED MARCH 3, 1936. Class 34.

334,673. LINEN, RAYON, AND COTTON FABRICS, AND FOR FABRICS MADE OF A COMBINATION OF SUCH MATERIALS. LESEM BACH & CO. INCORPORATED, New York, N. Y.
Filed December 21, 1935. Serial No. 372,917. PUBLISHED FEBRUARY 18, 1936. Class 42.

334,674. STORAGE BATTERIES. THE ELECTRIC STORAGE BATTERY COMPANY, Philadelphia, Pa.
Filed December 21, 1935. Serial No. 372,909. PUBLISHED MARCH 3, 1936. Class 21.

334,675. BEDROOM SLIPPERS. DAINTY MAID SLIPPERS, INC., Brooklyn, N. Y.
Filed December 21, 1935. Serial No. 372,907. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,676. WEEKLY PERIODICAL. GREYLOCK CORPORATION, New York, N. Y.
Filed December 20, 1935. Serial No. 372,874. PUBLISHED FEBRUARY 25, 1936. Class 38.

334,677. DOMESTIC IRONERS. AUTOMATIC WASHER COMPANY, Newton, Iowa.
Filed December 20, 1935. Serial No. 372,868. PUBLISHED MARCH 3, 1936. Class 24.

334,678. ELECTRICAL LAMPS FOR THE PROJECTION OF LIGHT UNDER ADVERSE CONDITIONS, SUCH AS FOG, SNOW, DUST, ETC. RICH FOGLITE, INC., Bellaire, Ohio.
Filed December 19, 1935. Serial No. 372,856. PUBLISHED MARCH 3, 1936. Class 21.

334,679. PERFUMES, TOILET WATER, FACE POWDER, TALCUM POWDER, BATH SALTS, ROUGE, LIP STICKS, DUSTING POWDER, COLD CREAMS, SACHET, BRILLIANTINE, POWDER AND ROUGE COMPACTS. BIENAIME, SOCIETE ANONYME, Neuilly-sur-Seine, Seine, France.
Filed November 29, 1935. Serial No. 372,077. PUBLISHED FEBRUARY 18, 1936. Class 6.

334,680. PERFUMES, TOILET WATER, FACE POWDER, TALCUM POWDER, BATH SALTS, ROUGE, LIP STICKS, DUSTING POWDER, COLD CREAMS, SACHET, BRILLIANTINE, POWDER AND ROUGE COMPACTS. BIENAIME, SOCIETE ANONYME, Neuilly-sur-Seine, Seine, France.
Filed November 29, 1935. Serial No. 372,076. PUBLISHED FEBRUARY 18, 1936. Class 6.

334,681. BOOTS AND SHOES MADE OF LEATHER, FABRIC, OR COMBINATIONS THEREOF. L. M. BLUMSTEIN, INC., New York, N. Y.
Filed November 27, 1935. Serial No. 372,038. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,682. PAPER AND CELLULOSE SACKS AND BAGS. THE MUNSON BAG COMPANY, Cleveland, Ohio.
Filed January 27, 1936. Serial No. 374,154. PUBLISHED MARCH 3, 1936. Class 2.

334,683. FISHING LINES. SUNSET LINE AND TWINE CO., San Francisco, Calif.
Filed January 25, 1936. Serial No. 374,098. PUBLISHED MARCH 3, 1936. Class 22.

334,684. SHEETS AND PILLOWCASES. BELL TEXTILE CO., New York, N. Y.
Filed July 27, 1935. Serial No. 367,750. PUBLISHED FEBRUARY 18, 1936. Class 42.

334,685. STEREOTYPE CASTING BOXES, MAT ROLLING MACHINES, STEREOTYPE SAWS, AND STEREOTYPE METAL POTS. GEO. A. FIELD, Minneapolis, Minn.
Filed May 28, 1934. Serial No. 352,015. PUBLISHED MARCH 3, 1936. Class 23.

334,686. PORTABLE COMBINATION STEAM FLUSHER AND WASHER FOR SERVICING OF AUTOMOTIVE VEHICLES. STEWART-WARNER CORPORATION, Chicago, Ill.
Filed May 23, 1934. Serial No. 351,780. PUBLISHED MARCH 3, 1936. Class 23.

334,687. ASPHALT COMPOSITION ROOFING AND BUILDING PAPERS. GLOBE ROOFING PRODUCTS CO. INC., Chicago, Ill.
Filed November 20, 1935. Serial No. 371,769. PUBLISHED FEBRUARY 25, 1936. Class 12.

334,688. VERMICIDE. TENNESSEE EASTMAN CORPORATION, Kingsport, Tenn.
Filed December 30, 1933. Serial No. 345,522. PUBLISHED FEBRUARY 25, 1936. Class 6.

334,689. READY-MIXED PAINTS, VARNISHES, AND PAINT ENAMELS. SHERWIN BROS., doing business as Britton Company of America, Brooklyn, N. Y.
Filed November 20, 1935. Serial No. 371,786. PUBLISHED MARCH 3, 1936. Class 16.

334,690. CHILD'S JUMPER CHAIR. NATIONAL PRODUCTION COMPANY, Detroit, Mich.
Filed August 29, 1932. Serial No. 329,960. PUBLISHED MARCH 3, 1936. Class 32.

334,691. CONCENTRATED LIQUID LAUNDRY BLUE. B. HELLER & COMPANY, Chicago, Ill.
Filed November 21, 1935. Serial No. 371,814. PUBLISHED FEBRUARY 18, 1936. Class 6.

334,692. LINIMENT TO BE APPLIED TO THE SKIN AND ACCOMPANIED WITH TABLETS WITHIN THE SAME CARTON WHICH ARE TO BE TAKEN INTERNALLY FOR THE TREATMENT OF ACHES, PAINS, CONGESTION, CRAMPS, STIFFNESS, AND SORENESS. 20TH CENTURY DRUG CO., Cleveland, Ohio.
Filed May 2, 1935. Serial No. 364,488. PUBLISHED FEBRUARY 25, 1936. Class 6.

334,693. BUTTER. JACOB H. GRUBMAN, New York, N. Y.
Filed May 1, 1935. Serial No. 364,420. PUBLISHED AUGUST 20, 1935. Class 46.

334,694. TROUSER INSEAM LENGTH INDICATOR. PANT-O-SIZER, INC., Baltimore, Md.
Filed November 21, 1935. Serial No. 371,822. PUBLISHED MARCH 3, 1936. Class 26.

334,695. SHOES MADE OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS THEREOF. NU-WAY SHOE COMPANY, New York, N. Y.
Filed November 22, 1935. Serial No. 371,884. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,696. SHOES MADE OF LEATHER, FABRIC, OR A COMBINATION OF THOSE MATERIALS, AND PARTS THEREOF—NAMELY, INSOLES, SOCK LININGS, CUSHIONS, AND PADS USED IN THE MANUFACTURE OF A SHOE OR INSERTED IN A COMPLETED SHOE. RAYMOND R. RATCLIFF, doing business as Ratcliff Products & Sales Co., Columbus, Ohio.
Filed November 22, 1935. Serial No. 371,887. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,697. ADHESIVE PRODUCTS—NAMELY, STAINLESS ADHESIVES, GLUES, AND ALL FORMS OF CEMENTS OTHER THAN BUILDING CEMENTS. IRA I. SLOMON, Long Island City, N. Y.
Filed November 22, 1935. Serial No. 371,897. PUBLISHED FEBRUARY 25, 1936. Class 5.

334,698. BREAD STICKS, BREAD CRUMBS, AND ASSORTED CAKES. A. ANGONOA, INC., New York, N. Y.
Filed November 23, 1935. Serial No. 371,902. PUBLISHED MARCH 3, 1936. Class 46.

334,699. ACETATE AND RAYON FABRIC. STONZI SONS SILK CO. INC., New York, N. Y.
Filed November 23, 1935. Serial No. 371,948. PUBLISHED FEBRUARY 25, 1936. Class 42.

334,700. ECONO-MYLES—A PREPARATION FOR USE AS AN ENERGIZER AND CARBON SOLVENT—TO BE ADDED TO GASOLINE, ETC. E. A. THEISE, doing business as Theise Manufacturing Company, Sublette, Kans.
Filed November 26, 1935. Serial No. 371,953. PUBLISHED FEBRUARY 25, 1936. Class 6.

334,701. SOAPLESS OILS USED AS A SHAMPOO AND OIL TREATMENT FOR THE HAIR, SCALP OINTMENTS, MINERAL OIL, AN ODORLESS, COLORLESS LIGHT OIL USED IN OIL TREATMENTS FOR THE HAIR, PINE NEEDLE OIL, WAVE OIL, CASTOR OIL, BRILLIANTINE, MANGE MEDICINE, PERMANENT WAVE LOTIONS. HARRY AARON, doing business as Aaron's Beauty Supply Company, Brooklyn, N. Y.
Filed September 18, 1935. Serial No. 369,434. PUBLISHED FEBRUARY 25, 1936. Class 6.

334,702. RAYON AND COTTON BEDSPREADS, RAYON AND COTTON DRAPERIES, SILK DRAPERIES, PILLOW CASES, SHEETS, MATTRESS COVERS, COTTON AND WOOLEN BLANKETS AND QUILTS. STANDARD TRADING MILLS, INC., New York, N. Y.
Filed September 18, 1935. Serial No. 369,464. PUBLISHED FEBRUARY 18, 1936. Class 42.

334,703. MOTION PICTURES AND MOTION PICTURE FILMS, WHICH HAVE RECORDS OF SOUND, WORDS AND/OR MUSIC THEREON, AND MOTION PICTURE FILMS ADAPTED FOR SYNCHRONIZATION WITH SOUND, WORDS, AND/OR MUSIC RECORDS. REPUBLIC PICTURES CORPORATION, New York, N. Y.
Filed September 20, 1935. Serial No. 369,549. PUBLISHED MARCH 3, 1936. Class 26.

334,704. SPECTACLE AND EYEGLASS LENSES. MURRAY OPTICAL COMPANY, Detroit, Mich.
Filed September 25, 1935. Serial No. 369,711. PUBLISHED NOVEMBER 26, 1935. Class 26.

334,705. JOURNAL AND BEARING PROTECTORS. LEWIS BOLT & NUT COMPANY, Minneapolis, Minn.
Filed September 30, 1935. Serial No. 369,852. PUBLISHED MARCH 3, 1936. Class 23.

334,706. WOMEN'S, MISSES', AND CHILDREN'S SCARFS OF SILK, WOOL, RAYON, LINEN, AND COTTON; SHOES OF LEATHER, CALFSKIN, FABRIC, SATIN, AND LINEN, ETC. MODERN MERCHANDISING BUREAU, INC., New York, N. Y.
Filed September 28, 1935. Serial No. 369,872. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,707. HEADACHE POWDERS, GENERAL TONIC, MEDICINE FOR THE TREATMENT OF RHEUMATISM, SCIATICA, EXCESS ACID, INDIGESTION, LUMBAGO, AND NEURITIS. ERNEST E. BROWN, doing business as Brown Laboratories, Greenville, N. C.
Filed October 1, 1935. Serial No. 369,877. PUBLISHED FEBRUARY 25, 1936. Class 6.

334,708. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. JOSSELSON BROS., INC., Ashland, Ky.
Filed October 2, 1935. Serial No. 369,924. PUBLISHED MARCH 3, 1936. Class 49.

334,709. LADIES', MEN'S, AND CHILDREN'S GLOVES MADE OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF. LOUIS MEYERS & SON, INC., New York, N. Y.
Filed November 25, 1935. Serial No. 371,974. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,710. WOMEN'S SHOES OF LEATHER AND FABRIC AND A COMBINATION OF THESE MATERIALS. THE SELBY SHOE CO., Portsmouth, Ohio.
Filed November 25, 1935. Serial No. 371,978. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,711. LIQUEUR—NAMELY, ALCOHOLIC CORDIALS, BRANDY, WHISKEY, AND KUMMEL. AKTIESELSKABET DE DANSKE SPRITFABRIKKER, Copenhagen, Denmark.
Filed January 12, 1935. Serial No. 360,150. PUBLISHED MARCH 3, 1936. Class 49.

334,712. TABLE SALT. MATCHETTE SALES COMPANY, Los Angeles, Calif.
Filed January 5, 1935. Serial No. 359,958. PUBLISHED MARCH 3, 1936. Class 46.

334,713. WOOD-PULP AND PAPER-PULP. WEST VIRGINIA PULP & PAPER COMPANY, New York, N. Y.
Filed December 29, 1934. Serial No. 359,838. PUBLISHED FEBRUARY 25, 1936. Class 1.

334,714. SHAVING CREAM. HAMLINS WIZARD OIL COMPANY, Chicago, Ill.
Filed November 3, 1934. Serial No. 357,859. PUBLISHED JULY 16, 1935. Class 4.

334,715. BUTTER. LE ROY F. SCHLOEMER, West Bend, Wis.
Filed October 26, 1934. Serial No. 357,580. PUBLISHED MARCH 3, 1936. Class 46.

334,716. COUGH DROPS. VINCENT MURRAY GRANER, Westbury, Long Island, N. Y.
Filed November 26, 1935. Serial No. 372,011. PUBLISHED FEBRUARY 25, 1936. Class 6.

334,717. COFFEE. D. W. OHLANDT & SONS, Charleston, S. C.
Filed December 19, 1935. Serial No. 372,849. PUBLISHED MARCH 3, 1936. Class 46.

334,718. BOOTS AND SHOES OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF. INTERNATIONAL SHOE CO., St. Louis, Mo.
Filed December 19, 1935. Serial No. 372,839. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,719. CARPET SWEEPERS, LAWN MOWERS, PRUNING SHEARS, GRASS HOOKS, CORN KNIVES, GRASS SHEARS, SOCKET HOES, RAKES, ETC. HIBBARD, SPENCER, BARTLETT & COMPANY, Chicago, Ill.
Filed December 19, 1935. Serial No. 372,837. PUBLISHED MARCH 3, 1936. Class 23.

334,720. BICYCLE TIRES, AUTOMOBILE TIRES, AND AUTOMOBILE TUBES. HIBBARD, SPENCER, BARTLETT & COMPANY, Chicago, Ill.
Filed December 19, 1935. Serial No. 372,835. PUBLISHED MARCH 3, 1936. Class 35.

334,721. ELECTRIC STOVES AND HEATING ELEMENTS. ELECTROMASTER INC., Detroit, Mich.
Filed December 19, 1935. Serial No. 372,824. PUBLISHED MARCH 3, 1936. Class 21.

334,722. SHOES MADE OF LEATHER, FABRIC, AND COMBINATIONS THEREOF. LAIRD, SCHOBER CO., INC., Philadelphia, Pa.
Filed December 18, 1935. Serial No. 372,774. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,723. WOOLEN AND WORSTED YARNS. THE REGENT KNITTING MILLS, LIMITED, Montreal, Quebec, Canada.
Filed December 16, 1935. Serial No. 372,751. PUBLISHED FEBRUARY 18, 1936. Class 43.

334,724. MOUTH WASH. PUREPAC CORPORATION, New York, N. Y.
Filed December 17, 1935. Serial No. 372,747. PUBLISHED FEBRUARY 18, 1936. Class 6.

334,725. PERFUMES AND TOILET WATERS. MARK CROSS COMPANY, New York, N. Y.
Filed December 17, 1935. Serial No. 372,730. PUBLISHED FEBRUARY 18, 1936. Class 6.

334,726. WOOLEN PIECE GOODS. FEDERAL KNITWEAR CO., INC., Newark, N. J.
Filed December 17, 1935. Serial No. 372,720. PUBLISHED FEBRUARY 18, 1936. Class 42.

334,727. ALKALINE DETERGENT USED IN GENERAL INDUSTRIAL CLEANING OPERATIONS. PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa.
Filed December 16, 1935. Serial No. 372,685. PUBLISHED FEBRUARY 25, 1936. Class 4.

334,728. TISSUE PAPER FOR WRAPPING. METROPOLITAN PAPER AND BAG CORPORATION, New York, N. Y.
Filed December 16, 1935. Serial No. 372,678. PUBLISHED FEBRUARY 25, 1936. Class 37.

334,729. SEWING MACHINES AND PARTS THEREOF. CONSOLIDATED SEWING MACHINE AND SUPPLY CO., INC., New York, N. Y.
Filed December 16, 1935. Serial No. 372,656. PUBLISHED MARCH 3, 1936. Class 28.

334,730. PROCESSED CALCIUM CARBONATE. R. T. VANDERBILT COMPANY, INC., New York, N. Y.
Filed December 14, 1935. Serial No. 372,646. PUBLISHED FEBRUARY 18, 1936. Class 6.

334,731. WOMEN'S UNDERWEAR—NAMELY, SLIPS, PANTIES, CHEMISES, NIGHTGOWNS, PAJAMAS, CORSETS, GIRDLES, AND BRASSIÈRES. SUSSBERG & FEINBERG, INC., New York, N. Y.
Filed December 14, 1935. Serial No. 372,644. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,732. DRESS SHIELDS. A. STEIN & COMPANY, Chicago, Ill.
Filed December 14, 1935. Serial No. 372,642. PUBLISHED FEBRUARY 18, 1936. Class 40.

334,733. FABRIC MADE OF ELASTIC YARN. LACE NET IMPORTING CO. INC., New York, N. Y.
Filed December 14, 1935. Serial No. 372,630. PUBLISHED FEBRUARY 18, 1936. Class 42.

334,734. ORGANIC CHEMICAL SALT FOR USE IN THE THROWING OF SILK. WARWICK CHEMICAL COMPANY, West Warwick, R. I.
Filed December 13, 1935. Serial No. 372,616. PUBLISHED FEBRUARY 18, 1936. Class 6.

334,735. CANNED FRUITS, CANNED VEGETABLES, CANNED SOUP, CANNED PORK AND BEANS, CANNED SPINACH, CANNED MILK, CANNED FISH, FOOD FLAVORING EXTRACTS, SPICES, ETC. THRIFT PACKING COMPANY, Dallas, Tex.
Filed December 12, 1935. Serial No. 372,575. PUBLISHED MARCH 3, 1936. Class 46.

334,736. ADHESIVE CEMENT PARTICULARLY FOR USE IN THE MANUFACTURE OF BOOTS AND SHOES. BOSTON BLACKING & CHEMICAL CO., Boston, Mass.
Filed December 10, 1935. Serial No. 372,457. PUBLISHED FEBRUARY 25, 1936. Class 5.

334,737. CARD INDEX BOXES. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed December 7, 1935. Serial No. 372,360. PUBLISHED FEBRUARY 25, 1936. Class 37.

334,738. NON-METALLIC SHEET MATERIAL, FORMED FROM A FILLER AND A BINDER, WHICH SHEET MATERIAL IS RELATIVELY STIFF OR RIGID AS COMPARED WITH WATERPROOF CLOTH. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed December 7, 1935. Serial No. 372,358. PUBLISHED FEBRUARY 25, 1936. Class 50.

334,739. PUBLICATION ISSUED PERIODICALLY. MAX FORESTER, New York, N. Y.
Filed December 7, 1935. Serial No. 372,355. PUBLISHED FEBRUARY 25, 1936. Class 38.

334,740. MEDICINAL AND HYGIENIC TOILET PREPARATIONS FOR USE AS A BATH TONIC OR AS AN ANTISEPTIC AND/OR GERMICIDAL SOLUTION OR POWDER. HELIOGEN LIMITED, Westminster, England, assignor to Piero Mariano Salerni, Westminster, England.
Filed April 18, 1935. Serial No. 363,907. PUBLISHED FEBRUARY 18, 1936. Class 6.

334,741. PAINT COLOR CONCENTRATES AND FRESCO COLORS. I. F. LAUCKS, INC., Seattle, Wash.
Filed April 5, 1935. Serial No. 363,483. PUBLISHED MARCH 3, 1936. Class 16.

334,742. WINES. CAMBO VINEYARDS COMPANY, Fresno, Calif.
Filed March 25, 1935. Serial No. 362,941. PUBLISHED MARCH 3, 1936. Class 47.

334,743. WHISKEY. C. H. GRAVES & SONS COMPANY, Boston, Mass.
Filed March 2, 1935. Serial No. 362,084. PUBLISHED MARCH 3, 1936. Class 49.

334,744. WHISKEY. CHICAGO QUALITY LIQUORS, INC., Chicago, Ill.
Filed February 23, 1935. Serial No. 361,724. PUBLISHED MARCH 3, 1936. Class 49.

334,745. BUTTER, EGGS, AND VEGETABLE OILS FOR FOOD PURPOSES. THE WILLIAM BAUER COMPANY, Cleveland, Ohio.
Filed February 2, 1935. Serial No. 360,958. PUBLISHED MARCH 3, 1936. Class 46.

334,746. COMPOUNDS TO PREVENT OFFSET, CRYSTALLIZATION, AND STICKING OF PRINTING INK. C. E. BOLUND, doing business as Tech Manufacturing Company, Chicago, Ill.
Filed December 4, 1935. Serial No. 372,234. PUBLISHED FEBRUARY 25, 1936. Class 11.

334,747. ONE PIECE SPIRAL TYPE FASTENERS FOR USE ON WEARING APPAREL. HERBERT CLARENCE SCHMIDT, Asbury Park, N. J.
Filed December 3, 1935. Serial No. 372,215. PUBLISHED FEBRUARY 18, 1936. Class 40.

334,748. RUM. PENNSYLVANIA ALCOHOL CORPORATION, Philadelphia, Pa.
Filed December 3, 1935. Serial No. 372,208. PUBLISHED MARCH 3, 1936. Class 49.

334,749. PIPES, AND CIGAR AND CIGARETTE HOLDERS. HARRY L. ROGERS, New York, N. Y.
Filed December 2, 1935. Serial No. 372,183. PUBLISHED FEBRUARY 25, 1936. Class 8.

334,750. FRESH DECIDUOUS FRUITS. DOW FRUIT COMPANY, INC., Wenatchee, Wash.
Filed December 2, 1935. Serial No. 372,169. PUBLISHED MARCH 3, 1936. Class 46.

334,751. INSIGNIA, BUTTONS, AND ORNAMENTS MADE OF A SPECIAL METAL AND DESIGNED ESPECIALLY FOR USE ON ARMY, MARINE, AND OTHER UNIFORMS AND EQUIPMENT, AND MORE PARTICULARLY ON COLLARS, SHOULDER STRAPS, CAPS, AND OTHER UNIFORM TRIMMINGS. N. S. MEYER, INC., New York, N. Y.
Filed November 30, 1935. Serial No. 372,140. PUBLISHED FEBRUARY 25, 1936. Class 50.

334,752. INSIGNIA, BUTTONS, AND ORNAMENTS MADE OF A SPECIAL METAL AND DESIGNED ESPECIALLY FOR USE ON ARMY, MARINE, AND OTHER UNIFORMS AND EQUIPMENT, AND MORE PARTICULARLY ON COLLARS, SHOULDER STRAPS, CAPS, AND OTHER UNIFORM TRIMMINGS. N. S. MEYER, INC., New York, N. Y.
Filed November 30, 1935. Serial No. 372,139. PUBLISHED FEBRUARY 25, 1936. Class 50.

334,753. MEDICINAL COMPOUND RECOMMENDED FOR USE IN TREATING COMMON COLDS, BRONCHITIS, THROAT AND LUNG AFFECTIONS, AND USEFUL AS AN EXPECTORANT AND IN THE TREATMENT OF PULMONARY DISEASES. STANLEY SWIDER, St. Louis, Mo.
Filed November 29, 1935. Serial No. 372,119. PUBLISHED FEBRUARY 25, 1936. Class 6.

334,754. STAPLE DRIVING MACHINES. A. L. HANSEN MFG. CO., Chicago, Ill.
Filed November 29, 1935. Serial No. 372,097. PUBLISHED MARCH 3, 1936. Class 23.

334,755. COMPOSITION FOR IMPARTING OPACITY TO PHOTOGRAPHIC AND PHOTO-ENGRAVING FILMS, PLATES, PAPERS, ETC. JAMES Q. DU PONT, doing business as Mike-Ro-Pake, Johnstown, Pa.
Filed November 29, 1935. Serial No. 372,091. PUBLISHED FEBRUARY 25, 1936. Class 6.

334,756. IRRADIATED PETROLATUMS. SHERWOOD PETROLEUM COMPANY, INC., Brooklyn, N. Y.
Filed October 31, 1935. Serial No. 371,044. PUBLISHED FEBRUARY 25, 1936. Class 6.

334,757. COMPREHENSIVE APPARATUS FOR COOLING AND CONDITIONING BAKERY PRODUCTS, AND COMPRISING AMONG OTHER PARTS, CHAMBERS, VALVES, PUMPS, CONDENSERS, AND CONTROLLERS. VACUUM BREAD COOLING CORPORATION, New York, N. Y.
Filed October 29, 1935. Serial No. 370,974. PUBLISHED MARCH 3, 1936. Class 23.

334,758. LEATHER SUBSTITUTES. KING INNOVATIONS, INC., New York, N. Y.
Filed December 5, 1935. Serial No. 372,281. PUBLISHED FEBRUARY 25, 1936. Class 50.

334,759. THREAD AND YARN. SUPER YARN MANUFACTURING CORP., New York, N. Y.
Filed December 4, 1935. Serial No. 372,258. PUBLISHED FEBRUARY 18, 1936. Class 48.

334,760. SKIN SALVES AND A PREPARATION FOR THE TREATMENT OF DANDRUFF AND THE TREATMENT OF THE SCALP. CONSTANTINE P. PANAGAKOS, Hopewell, Va.
Filed AUGUST 20, 1935. Serial No. 368,483. PUBLISHED FEBRUARY 18, 1936. Class 6.

334,761. CONTAINER OF DIFFERENT COLORS HAVING A BRUSH AND A MATERIAL OF DIFFERENT COLORS FOR APPLICATION TO SHOES FOR CLEANING, COLORING, AND/OR POLISHING THE SAME. WOOLMAN AND ROBLES, New York, N. Y.
Filed November 5, 1935. Serial No. 371,245. PUBLISHED FEBRUARY 25, 1936. Class 50.

334,762. SAFETY MATCHES. TULITIKKU OY., Helsinki, Finland.
Filed November 8, 1935. Serial No. 371,370. PUBLISHED MARCH 3, 1936. Class 9.

334,763. GRASS SEED. T. W. WOOD & SONS, Richmond, Va.
Filed November 8, 1935. Serial No. 371,376. PUBLISHED FEBRUARY 25, 1936. Class 1.

334,764. FOOT CREAM. LAURENCE HENRY BACKES, San Francisco, Calif.
Filed November 11, 1935. Serial No. 371,413. PUBLISHED FEBRUARY 25, 1936. Class 6.

334,765. LADIES', WOMEN'S, AND MISSES' POCKETBOOKS, BAGS, AND PURSES OF EVERY KIND AND DESCRIPTION. BIENEN-DAVIS INC., New York, N. Y.
Filed November 13, 1935. Serial No. 371,484. PUBLISHED FEBRUARY 25, 1936. Class 3.

334,766. WOMEN'S AND CHILDREN'S SHOES OR FABRIC AND LEATHER AND COMBINATIONS THEREOF. OPPENHEIM, COLLINS & CO. INC., Wilmington, Del.; New York, Brooklyn, and Buffalo, N. Y.; and Philadelphia, Pa.
Filed November 13, 1935. Serial No. 371,498. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,767. FRESH FRUITS AND VEGETABLES, DRESSED CHICKENS, TURKEYS, AND DUCKS, MUSHROOMS, AND GOAT'S MILK. GEORGE B. JOHNSON, doing business as American Farm Products, West Chester, Pa.
Filed November 14, 1935. Serial No. 371,543. PUBLISHED MARCH 3, 1936. Class 46.

334,768. PIECE GOODS—NAMELY, MADE FROM COMBINATIONS OF MOHAIR, COTTON, WOOL, ALPACA, CAMEL HAIR, SILK, AND ARTIFICIAL SILK; ALSO WOOLEN, COTTON, MOHAIR, AND PLUSH PIECE GOODS; ALSO PILE FABRICS. GOODALL WORSTED CO., Sanford, Maine.
Filed November 14, 1935. Serial No. 371,575. PUBLISHED FEBRUARY 18, 1936. Class 42.

334,769. KNITTING AND CLOCKING YARN. KING COTTON MILLS CORPORATION, Richmond, Va.
Filed November 15, 1935. Serial No. 371,614. PUBLISHED FEBRUARY 25, 1936. Class 43.

334,770. CITRUS FRUITS AND FRESH VEGETABLES. INTERNATIONAL FRUIT CORPORATION, Tampa, Fla.
Filed November 16, 1935. Serial No. 371,632. PUBLISHED MARCH 3, 1936. Class 46.

334,771. PORTLAND CEMENT. MISSOURI PORTLAND CEMENT COMPANY, St. Louis, Mo.
Filed November 16, 1935. Serial No. 371,648. PUBLISHED FEBRUARY 25, 1936. Class 12.

334,772. YELLOWISH OILY PREPARATION SOLUBLE IN WATER AND HAVING THE GENERAL APPEARANCE AND CHARACTERISTICS OF A TURKEY-RED OIL, FOR USE IN THE TREATMENT OF ALL KINDS OF TEXTILE FIBERS IN SIZING, DYEING, PRINTING, AND FINISHING PROCESSES, AND FOR WASHING AND FOR OIL-SPOT REMOVAL. JACQUES WOLF AND CO., Passaic, N. J.
Filed November 16, 1935. Serial No. 371,660. PUBLISHED FEBRUARY 18, 1936. Class 6.

334,773. SULFONATED AND SULFATED OILS, FATS, WAXES, AND ALIPHATIC ALCOHOLS FOR USE ON TEXTILES, LEATHER, AND OTHER FABRICS AS PENETRATION, DETERGENCY, DISPERSION, DYEING, FINISHING, AND SIZING AGENTS. ONYX OIL AND CHEMICAL CO., Jersey City, N. J.
Filed November 19, 1935. Serial No. 371,737. PUBLISHED FEBRUARY 18, 1936. Class 6.

334,774. BED COMFORTERS AND SPREADS. SOPHIE PRISTAW, doing business as Hub Quilt Mfg. Company, Boston, Mass.
Filed November 19, 1935. Serial No. 371,739. PUBLISHED FEBRUARY 18, 1936. Class 42.

334,775. ASPHALT COMPOSITION ROOFING AND BUILDING PAPERS. GLOBE ROOFING PRODUCTS CO. INC., Chicago, Ill.
Filed November 20, 1935. Serial No. 371,765. PUBLISHED FEBRUARY 25, 1936. Class 12.

334,776. ASPHALT COMPOSITION ROOFING AND BUILDING PAPERS. GLOBE ROOFING PRODUCTS CO. INC., Chicago, Ill.
Filed November 20, 1935. Serial No. 371,767. PUBLISHED FEBRUARY 25, 1936. Class 12.

334,777. PREPARATION FOR THE TREATMENT OF PYORRHEA; LIQUID DENTIFRICE; AND MOUTH WASH. ORAL SEAL CHEMICAL COMPANY, Dallas, Tex.
Filed October 28, 1935. Serial No. 370,921. PUBLISHED FEBRUARY 25, 1936. Class 6.

334,778. MEN'S AND BOYS' DRESS, NEGLIGEE, AND WORK SHIRTS, PAJAMAS, SUITS, UNDERWEAR, PANTS, SUEDE JACKETS, SUEDINE JACKETS, MELTON JACKETS, LEATHER AND LEATHERETTE COATS, CAPS AND HATS. PLYMOUTH WHOLESALE DRY GOODS CORPORATION, New York, N. Y.
Filed October 25, 1935. Serial No. 370,813. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,779. PERFUMES, TOILET WATERS, SACHETS, EAU DE COLOGNES, LIPSTICKS, ROUGE, TALCUM POWDER, FACE POWDER, BATH POWDER, FACE CREAMS, AND CLEANSING CREAMS. PARFUMS CHARBERT, INC., New York, N. Y.
Filed October 22, 1935. Serial No. 370,668. PUBLISHED FEBRUARY 25, 1936. Class 6.

334,780. NAIL POLISH AND LIQUID NAIL POLISH REMOVER. THE PEROXIDE CHEMICAL CO., doing business as Vi-Jon Laboratories, St. Louis, Mo.
Filed October 21, 1935. Serial No. 370,627. PUBLISHED FEBRUARY 18, 1936. Class 6.

334,781. PREPARATION FOR KILLING ANTS. H. M. EPSTEIN, doing business as Buckeye Chemical & Specialty Co., New York, N. Y.
Filed October 21, 1935. Serial No. 370,604. PUBLISHED FEBRUARY 25, 1936. Class 6.

334,782. RAYON TEXTILE FABRICS. ROSS & OBERLEDER SILK CORP., New York, N. Y.
Filed October 18, 1935. Serial No. 370,489. PUBLISHED FEBRUARY 18, 1936. Class 42.

334,783. HOUSEHOLD CHART. WILLIAM J. DOOLEY, Washington, D. C.
Filed October 17, 1935. Serial No. 370,486. PUBLISHED FEBRUARY 25, 1936. Class 38.

334,784. ANTISEPTIC JELLY AND OINTMENT TO RELIEVE ITCHING SKIN AND SKIN IRRITATIONS, SUNBURN, IVY POISONING, SKIN ABRASIONS, AND BURNS. CLARENCE P. WYNNE, doing business as Phoenix Preparations, Scranton, Pa.
Filed October 16, 1935. Serial No. 370,439. PUBLISHED FEBRUARY 18, 1936. Class 6.

334,785. OINTMENT AND JELLY FOR THE RELIEF AND TREATMENT OF CONSTIPATION. CLARENCE P. WYNNE, doing business as Phoenix Preparations, Scranton, Pa.
Filed October 16, 1935. Serial No. 370,438. PUBLISHED FEBRUARY 18, 1936. Class 6.

334,786. BOOKS PERTAINING TO FOOTBALL PERIODICALLY ISSUED. BERNARD EDWARD CALLAHAN, Chicago, Ill.
Filed October 14, 1935. Serial No. 370,334. PUBLISHED FEBRUARY 25, 1936. Class 38.

334,787. COSMETICS, PARTICULARLY SKIN CREAMS, SKIN LOTIONS, AND SKIN POWDERS. DRUSUS H. NICHOLS, doing business as Truth Associates, Chicago, Ill.
Filed October 9, 1935. Serial No. 370,194. PUBLISHED FEBRUARY 25, 1936. Class 6.

334,788. CANNED FISH, CANNED VEGETABLES, FRUIT JUICES FOR FOOD PURPOSES, OLIVES, JELLIES, COFFEE, CANNED EVAPORATED MILK, DRIED FRUITS, BAKING POWDER, ALLSPICE, MUSHROOM SAUCE, SOUPS, WORCESTERSHIRE STYLE SAUCE, PEANUT BUTTER, GELATINE DESSERT, RAVIOLI, PICKLES. THOMPKINS & ECKART, San Francisco, Calif.
Filed October 8, 1935. Serial No. 370,155. PUBLISHED FEBRUARY 25, 1936. Class 46.

334,789. CHEMICAL PREPARATIONS FOR EMULSIFYING AND THICKENING AGENTS FOR USE IN THE TEXTILE AND RELATED INDUSTRIES. GLYCO PRODUCTS CO. INC., New York, N. Y.
Filed October 7, 1935. Serial No. 370,097. PUBLISHED FEBRUARY 25, 1936. Class 6.

334,790. INDICATORS FOR CONDITION OF STORAGE BATTERY CELLS. ATLAS SUPPLY COMPANY, Newark, N. J.
Filed September 7, 1935. Serial No. 369,077. PUBLISHED MARCH 3, 1936. Class 26.

334,791. NERVE TONIC. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa.
Filed August 31, 1935. Serial No. 368,902. PUBLISHED NOVEMBER 19, 1935. Class 6.

334,792. TOILET WATERS AND TOILET POWDERS. PINAUD INCORPORATED, New York, N. Y.
Filed August 23, 1935. Serial No. 368,625. PUBLISHED FEBRUARY 25, 1936. Class 6.

334,793. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. NUSSBAUM LIQUOR STORE, INC., New York, N. Y.
Filed January 15, 1936. Serial No. 373,702. PUBLISHED MARCH 3, 1936. Class 49.

334,794. BRANDY, COGNAC, GIN, RUM, AND WHISKEY. GREENBROS, INC., Cincinnati, Ohio.
Filed January 18, 1936. Serial No. 373,826. PUBLISHED MARCH 3, 1936. Class 49.

334,795. METAL AND ASBESTOS GASKETS. JOHNS-MANVILLE CORPORATION, New York, N. Y.
Filed January 18, 1936. Serial No. 373,829. PUBLISHED MARCH 3, 1936. Class 85.

334,796. VEHICLE TIRES MADE OF RUBBER AND FABRIC. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y.
Filed January 18, 1936. Serial No. 373,848. PUBLISHED MARCH 3, 1936. Class 35.

334,797. VEHICLE TIRES MADE OF RUBBER AND FABRIC. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y.
Filed January 18, 1936. Serial No. 373,849. PUBLISHED MARCH 3, 1936. Class 35.

334,798. ALCOHOLIC CORDIALS. MOHAWK LIQUEUR CORPORATION, Detroit, Mich.
Filed January 20, 1936. Serial No. 373,884. PUBLISHED MARCH 3, 1936. Class 49.

334,799. ALCOHOLIC CORDIALS. MOHAWK LIQUEUR CORPORATION, Detroit, Mich.
Filed January 20, 1936. Serial No. 373,885. PUBLISHED MARCH 3, 1936. Class 49.

334,800. DEVICES FOR ORTHOPTIC TESTING AND TRAINING PURPOSES. THE WOTTRING INSTRUMENT COMPANY, Lorain, Ohio.
Filed January 20, 1936. Serial No. 373,900. PUBLISHED MARCH 3, 1936. Class 26.

334,801. GRAPE JUICE. TEA GARDEN PRODUCTS CO., San Francisco, Calif.
Filed January 23, 1936. Serial No. 374,025. PUBLISHED MARCH 3, 1936. Class 45.

334,802. AUTOMATIC KEROSENE AND GAS REFRIGERATORS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed January 24, 1936. Serial No. 374,062. PUBLISHED MARCH 3, 1936. Class 31.

334,803. VEHICLE VIBRATING MECHANISMS FOR USE IN LUBRICATING VEHICLES. LUBE JACK CO., Santa Monica, Calif.
Filed November 1, 1935. Serial No. 371,065. PUBLISHED MARCH 3, 1936. Class 23.

334,804. CITRUS FRUITS, INCLUDING ORANGES, GRAPEFRUIT, AND TANGERINES. TREE-GOLD COOPERATIVE GROWERS OF FLORIDA, Orlando, Fla.
Filed November 2, 1935. Serial No. 371,116. PUBLISHED MARCH 3, 1936. Class 46.

334,805. ARTIFICIAL LAXATIVE WATER. A. J. CANFIELD CO., doing business as Juno Sales, Chicago, Ill.
Filed November 4, 1935. Serial No. 371,140. PUBLISHED FEBRUARY 25, 1936. Class 6.

334,806. ASTRINGENTS, CLEANSING CREAM, ALL PURPOSE CREAMS, VANISHING CREAMS, AND DEODORANT. FRANCIS ELMQUIST, doing business as House of Twigs, Kansas City, Mo.
Filed November 4, 1935. Serial No. 371,144. PUBLISHED FEBRUARY 18, 1936. Class 6.

334,807. CANNED FOODS FOR DOGS, CATS, FOXES, AND OTHER CARNIVOROUS ANIMALS. ANIMAL FOODS COMPANY, doing business as Alert Products Co., San Jose, Calif.
Filed January 6, 1936. Serial No. 373,353. PUBLISHED MARCH 3, 1936. Class 46.

334,808. DENTURES. COSMO AMENTA, doing business as Gus Amenta Dental Laboratory, Chicago, Ill.
Filed January 6, 1936. Serial No. 373,352. PUBLISHED MARCH 3, 1936. Class 44.

334,809. GAS STOVES. THE MOORE CORPORATION, Joliet, Ill.
Filed January 3, 1936. Serial No. 373,313. PUBLISHED MARCH 3, 1936. Class 34.

334,810. BOND PAPER. FOX RIVER PAPER COMPANY, Appleton, Wis.
Filed January 3, 1936. Serial No. 373,299. PUBLISHED FEBRUARY 25, 1936. Class 37.

334,811. BOND PAPER. FOX RIVER PAPER COMPANY, Appleton, Wis.
Filed January 3, 1936. Serial No. 373,298. PUBLISHED FEBRUARY 25, 1936. Class 37.

334,812. RUM. VICTOR M. RAMIREZ, doing business as V. M. Ramirez y Cia, Mayagues, P. R., and New York, N. Y.
Filed December 31, 1935. Serial No. 373,227. PUBLISHED MARCH 3, 1936. Class 49.

334,813. YARNS. EASTYARN, INC., Brooklyn, N. Y.
Filed December 31, 1935. Serial No. 373,205. PUBLISHED FEBRUARY 11, 1936. Class 43.

334,814. BUCKLES USED EXCLUSIVELY IN THE OVERALL AND WORK CLOTHES FIELD AND NOT MADE OF PRECIOUS METAL. PARVA PRODUCTS COMPANY, Chicago, Ill.
Filed December 30, 1935. Serial No. 373,185. PUBLISHED FEBRUARY 18, 1936. Class 40.

334,815. GLOVES AND MITTENS, ALL MADE OF RUBBER OR OF RUBBER AND FABRIC. EDMONT MANUFACTURING COMPANY, Coshocton, Ohio.
Filed December 30, 1935. Serial No. 373,166. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,816. FOUNTAIN PENS, MECHANICAL PENCILS, AND DESK SETS. THE PARKER PEN COMPANY, Janesville, Wis.
Filed December 28, 1935. Serial No. 373,157. PUBLISHED FEBRUARY 25, 1936. Class 37.

334,817. BOOTS AND SHOES OF LEATHER, FABRIC, OR COMBINATIONS THEREOF. HOLMES-BOUR COMPANY, Lewiston, Maine.
Filed December 28, 1935. Serial No. 373,135. PUBLISHED FEBRUARY 18, 1936. Class 39.

334,818. MERCURY FOR DENTAL PURPOSES PARTICULARLY FOR USE IN FORMING DENTAL AMALGAMS. BAKER & COMPANY, INC., Newark, N. J.
Filed December 28, 1935. Serial No. 373,124. PUBLISHED MARCH 3, 1936. Class 44.

334,819. SPOOL COTTON, SEWING COTTON, COTTON THREAD FOR MANUFACTURING PURPOSES, COTTON YARN, KNITTING COTTON, CROCHET COTTON, EMBROIDERY COTTON, LACE AND ART COTTON, DARNING COTTON, AND MENDING COTTON. THE AMERICAN THREAD COMPANY, New York, N. Y.
Filed December 28, 1935. Serial No. 373,122. PUBLISHED FEBRUARY 18, 1936. Class 43.

334,820. BOX STRAPPING. THE STANLEY WORKS, New Britain, Conn.
Filed December 26, 1935. Serial No. 373,086. PUBLISHED MARCH 3, 1936. Class 13.

334,821. BOX STRAPPING. THE STANLEY WORKS, New Britain, Conn.
Filed December 26, 1935. Serial No. 373,085. PUBLISHED MARCH 3, 1936. Class 13.

334,822. BOX STRAPPING. THE STANLEY WORKS, New Britain, Conn.
Filed December 26, 1935. Serial No. 373,084. PUBLISHED MARCH 3, 1936. Class 13.

334,823. CIGARS, CIGARETTES, SMOKING TOBACCO, CHEWING TOBACCO, AND SNUFF. BROWN & WILLIAMSON TOBACCO CORPORATION, Louisville, Ky.
Filed December 26, 1935. Serial No. 373,068. PUBLISHED FEBRUARY 25, 1936. Class 17.

334,824. WHEAT FLOUR. HOGAN MILLING COMPANY, Junction City, Kans.
Filed December 24, 1935. Serial No. 373,061. PUBLISHED MARCH 3, 1936. Class 46.

334,825. WHEAT FLOUR. HOGAN MILLING COMPANY, Junction City, Kans.
Filed December 24, 1935. Serial No. 373,060. PUBLISHED MARCH 3, 1936. Class 46.

334,826. FRESH VEGETABLES. D. W. JOHNSTON, doing business as Crystal Packing Co., Los Angeles, Calif.
Filed December 24, 1935. Serial No. 373,044. PUBLISHED MARCH 3, 1936. Class 46.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

334,827. (CLASS 39. CLOTHING.) GOLDWORM SPORTWEAR CO., INC., New York, N. Y. Filed Oct. 12, 1935. Serial No. 370,305.

GOLDWORM

For Ladies' and Misses' Knitted Frocks, Dresses, Suits, and Coats.
Claims use since Jan. 7, 1935.

334,828. (CLASS 39. CLOTHING.) UNION PANTS AND OVERALL MANUFACTURING COMPANY, Bordentown, N. J. Filed Nov. 2, 1935. Serial No. 371,121.

Sampson TROUSERS BUILT FOR STRENGTH

For Men's Trousers.
Claims use since Jan. 1, 1930.

334,829. (CLASS 39. CLOTHING.) FRANKLIN SIMON & CO., INC., New York, N. Y. Filed Dec. 13, 1935. Serial No. 372,596.

Night-shirties

For Women's and Misses' Underwear—Namely, Nightgowns, Pajamas, and Negligees.
Claims use since Mar. 1, 1935.

334,830. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MIAMI PRODUCTS AND CHEMICAL CO., Dayton, Ohio. Filed Dec. 23, 1935. Serial No. 372,983.

MIAMI TOX

For Liquid Preparation for Killing Insects.
Claims use since Apr. 15, 1930.

334,831. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WINDSOR-LLOYD PRODUCTS, INC., Wilmington, Del. Filed Dec. 27, 1935. Serial No. 373,110.

check shock

For Hydraulic Shock Absorber Fluid and Hydraulic Brake Fluid.
Claims use since January, 1933.

334,832. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PIONEER SALT COMPANY, Philadelphia, Pa. Filed Jan. 13, 1936. Serial No. 373,616.

MELTZIT

"WHEN ICE DEFIES THE SUN MELTZIT MAKES IT RUN"

For Salt Used to Dissolve Snow.
Claims use since Feb. 4, 1935.

334,833. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PRATT FOOD COMPANY, Philadelphia, Pa. Filed Feb. 1, 1936. Serial No. 374,384.

PIK-NO-MOR

For Ointment to Prevent Cannibalism in Chicks.
Claims use since Jan. 29, 1935.

334,834. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TERRA BELLA CITRUS ASSN., Terra Bella, Calif. Filed Feb. 3, 1936. Serial No. 374,443.

TERRA BELLA

For Fresh Citrus Fruits.
Claims use since 1919.

334,835. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Feb. 4, 1936. Serial No. 374,485.

PRESSING'S

For Canned Vegetables.
Claims use since 1912.

334,836. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATURE'S MINERAL FOOD CO., INC., Indianapolis, Ind. Filed Feb. 10, 1936. Serial No. 374,677.

NATURE'S MINERALS

For Medicinal Preparation Used as a Mineral Supplying Tonic.
Claims use since Nov. 14, 1932.

334,837. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NEVA-WET CORPORATION OF AMERICA, INC., New York, N. Y. Filed Feb. 14, 1936. Serial No. 374,844.

WETHR-PRUF

For Processing Fluids for Treating Hats, Silk, Wool, Cotton Fabrics, and All Type Yarns, Artificial Silks, Artificial Fabrics, Paper, Cellulose Paper, Furs, Clothing, Apparel for Rendering Them Water Repellent.
Claims use since Apr. 10, 1933.

334,838. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) JOSEPH S. STERLING, doing business as Alaska Silver Fox Farms and Sterling Eastern Mink Farms, Lake Placid, N. Y. Filed Feb. 14, 1936. Serial No. 374,862.

STERLING

For Fur Bearing Skins.
Claims use since Feb. 26, 1935.

334,839. (CLASS 47. WINES.) ALEX D. SHAW & CO., INC., New York, N. Y. Filed Mar. 7, 1936. Serial No. 375,730.

CLUB DRY

For Wines.
Claims use since December, 1933.

334,840. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio. Filed Sept. 21, 1933. Serial No. 341,752.

LEAK PROOF

For Nails, and Particularly Roofing Nails.
Claims use since Oct. 10, 1927.

334,841. (CLASS 47. WINES.) MARCELIN MARCEAU, SOCIETE A RESPONSABILITE LIMITEE, Bordeaux, France. Filed Jan. 10, 1934. Serial No. 345,926.

M. in Marceau

For Wines, Red or White, Sparkling or Not.
Claims use since June 20, 1907.

334,842. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ADAM STRINGARY, New York, N. Y. Filed Jan. 28, 1935. Serial No. 360,805.

STRINGARY

For Salva Useful in the Treatment of Cuts and Burns.
Claims use since Jan. 19, 1935.

334,843. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SWING-SPOUT MEASURE COMPANY, Los Angeles, Calif. Filed Jan. 31, 1935. Serial No. 360,914.

CANSPOUT

For Can Openers.
Claims use since July, 1933.

334,844. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass. Filed Mar. 19, 1935. Serial No. 362,752.

TURO

For Toothbrushes.
Claims use since Mar. 2, 1935.

334,845. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FERNANDO CASABLANCAS, Sabadell, Spain. Filed Mar. 28, 1935. Serial No. 363,090.

CASABLANCAS

For Machines and Apparatus for the Preparation and Spinning of Textile Fibres, Including Drawing Frames, Flyer Frames, Slubbing Frames, Intermediate Frames, Roving Frames, Ring Spinning Frames, Self-Acting Mules, High-Draft Spinning Machines, and Parts Thereof.
Claims use since 1925.

334,846. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAPLE GROVE CANDIES, INC., St. Johnsbury, Vt., now by change of name, Maple Grove, Incorporated. Filed Apr. 6, 1935. Serial No. 363,463.

MAPLE LEAVES

For Maple Sugar Candy.
Claims use since Mar. 27, 1935.

334,847. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAM HAGLER, doing business as Kool-Rub Co., New York, N. Y. Filed Apr. 10, 1935. Serial No. 363,590.

KOOL-RUB

For Hair Tonic, Hair Oil, Quinine Preparation for Hair, Lilac Toilet Water, Bay Rum Preparation, Shampoo Preparation for Hair, Cold Cream, and Talcum Powder.
Claims use since Dec. 31, 1934.

334,848. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) SPERRY GYROSCOPE COMPANY, INC., Brooklyn, N. Y. Filed Apr. 11, 1935. Serial No. 363,644.

GYRO

For Aircraft Direction and Attitude Indicating Instruments.
Claims use since Feb. 7, 1931.

334,849. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SPERRY GYROSCOPE COMPANY, INC., Brooklyn, N. Y. Filed Apr. 13, 1935. Serial No. 363,726.

GYROPILOT

For Automatic and Semi-Automatic Stabilising and Steering Mechanism for Aircraft.
Claims use since Jan. 24, 1934.

334,850. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA PRUNE & APRICOT GROWERS ASSOCIATION, San Jose, Calif. Filed May 3, 1935. Serial No. 364,504.

Whip-Prune

For Prepared Prune Product—Namely, Strained Prunes.
Claims use since May 18, 1934.

334,851. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE WHITE MOTOR COMPANY, Cleveland, Ohio. Filed May 11, 1935. Serial No. 364,843.

Underslung Power

For Passenger Automobiles, Busses, and Trucks, with Engines Mounted Under the Floor.
Claims use since Jan. 20, 1935.

334,852. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DOWELL INCORPORATED, Midland, Mich. Filed May 22, 1935. Serial No. 365,248.

DOWELL

For Acids, Acid Inhibitors, Alkalies, Salts, Paraffin Solvents, and Other Chemicals for Treatment of Wells, Such as Oil, Gas, or Brine Wells.
Claims use since February, 1935.

334,853. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOUTHERN BISCUIT COMPANY, Richmond, Va. Filed May 22, 1935. Serial No. 365,274.

WHEATCHEES

For Crackers.
Claims use since Apr. 1, 1935.

334,854. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) DORAN COMPANY, Seattle, Wash. Filed May 31, 1935. Serial No. 365,608.

SAFE-T-SHOWR

For Thermostatic Water Mixing Valve.
Claims use since Mar. 15, 1935.

334,855. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) ARMSTRONG STOVE AND MANUFACTURING COMPANY, Perryville, Md. Filed June 8, 1935. Serial No. 365,924.

RUXTON

For Coal, Wood, Coke, Oil, and Gas Burning Ranges and Furnaces and Boilers Employing Similar Fuels.
Claims use since Jan. 1, 1922.

334,856. (CLASS 2. RECEPTACLES.) F. J. KRESS BOX COMPANY, Pittsburgh, Pa. Filed July 5, 1935. Serial No. 366,994.

Nonscuff

For Corrugated Fibre Board Box Liners and Boxes Made Therefrom.
Claims use since March, 1935.

334,857. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PHILIP T. LITTMAN, Brooklyn, N. Y. Filed July 24, 1935. Serial No. 367,611.

NOLA

For Medicines Such as Tablets for Relieving Menstrual Pain.
Claims use since January, 1935.

334,858. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY CUSHING, Salina, Utah. Filed Aug. 26, 1935. Serial No. 368,687.

CUSHING'S OINTMENT

For an Antiseptic and Healing Ointment for the Treatment of Burns, Cuts, Bruises, Eczema, and Piles.
Claims use since Dec. 15, 1915.

334,859. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PURCELL SEED CO. INC., Evansville, Ind. Filed Sept. 25, 1935. Serial No. 369,713.

PURCELL'S TRU VAL PURREDO

For Small Black Hay Beans.
Claims use since Mar. 14, 1935.

TRADE-MARK REGISTRATIONS RENEWED

107,928. BERRY AND FRUIT PRESERVES AND FRUIT AND BERRY JELLY. Registered January 4, 1916. JOSEPH MIDDLEBY, JR., INC., Boston, Mass., a corporation of New Jersey. Renewed January 4, 1936.

108,438. CHEESE. Registered February 8, 1916. JOHN MORRELL & Co., Ottumwa, Iowa; Sioux Falls, S. Dak.; Mobile, Ala.; and Memphis, Tenn. Renewed February 8, 1936, to John Morrell & Co., Ottumwa, Iowa, a corporation of Maine, assignee.

108,987. CANNED SALMON. Registered March 14, 1916. COLUMBIA RIVER PACKERS ASSOCIATION. Renewed March 14, 1936, to Columbia River Packers Association, Inc., Astoria, Oreg., a corporation of Oregon, assignee.

108,988. CANNED SALMON. Registered March 14, 1916. COLUMBIA RIVER PACKERS ASSOCIATION. Renewed March 14, 1936, to Columbia River Packers Association, Inc., Astoria, Oreg., a corporation of Oregon, assignee.

108,989. CANNED SALMON. Registered March 14, 1916. COLUMBIA RIVER PACKERS ASSOCIATION. Renewed March 14, 1936, to Columbia River Packers Association, Inc., Astoria, Oreg., a corporation of Oregon, assignee.

109,177. REMEDY FOR CERTAIN NAMED AFFECTIONS, AND FOR BLEACHING THE SKIN. Registered March 28, 1916. JAMES W. BOLEN, Alexandria, La. Renewed March 28, 1936.

109,244. AUTOMOBILES, AUTOMOBILE TRUCKS, TRAILERS, AND PARTS THEREOF, NOT INCLUDING ENGINES. Registered March 28, 1916. THE WILLYS-OVERLAND CO., Toledo, Ohio, a corporation of Ohio. Renewed March 28, 1936.

109,325. HAM. Registered March 28, 1916. JOHN MORRELL & Co. Renewed March 28, 1936, to John Morrell & Co., Ottumwa, Iowa, a corporation of Maine, assignee.

109,327. COAL. Registered March 28, 1916. A. S. NOWLIN & COMPANY, Lynchburg, Va., a firm. Renewed March 28, 1936.

109,331. EYEGLASSES AND GOGGLES. Registered March 28, 1916. THE STRONG KENNARD & NUTT COMPANY. Renewed March 28, 1936, to The Safety Equipment Service Company, Cleveland, Ohio, a corporation of Ohio, assignee.

109,370. CANNED FISH. Registered April 4, 1916. W. R. ROACH & Co., Hart, Mich. Renewed April 4, 1936, to W. R. Roach & Company, Grand Rapids, Mich., a corporation of Michigan.

109,387. OIL FILTRATION AND CIRCULATION APPARATUS. Registered April 4, 1916. S. F. BOWSER & COMPANY, INCORPORATED, Fort Wayne, Ind., a corporation of Indiana. Renewed April 4, 1936.

109,390. TURKISH AND HUCK TOWELS. Registered April 4, 1916. CARSON, PIRIE, SCOTT & Co. Renewed April 4, 1936, to Carson Pirie Scott & Company, Chicago, Ill., a corporation of Illinois, assignee.

109,515. HOSIERY. Registered April 11, 1916. CHIPMAN KNITTING MILLS, Easton, Pa., a corporation of Pennsylvania. Renewed April 11, 1936.

109,520. CANNED SALMON. Registered April 11, 1916. COLUMBIA RIVER PACKERS ASSOCIATION. Renewed April 11, 1936, to Columbia River Packers Association, Inc., Astoria, Oreg., a corporation of Oregon, assignee.

109,521. CANNED SALMON. Registered April 11, 1916. COLUMBIA RIVER PACKERS ASSOCIATION. Renewed April 11, 1936, to Columbia River Packers Association, Inc., Astoria, Oreg., a corporation of Oregon, assignee.

109,522. CANNED SALMON. Registered April 11, 1916. COLUMBIA RIVER PACKERS ASSOCIATION. Renewed April 11, 1936, to Columbia River Packers Association, Inc., Astoria, Oreg., a corporation of Oregon, assignee.

109,578. CANDY, ICE-CREAM, AND ICES, SALTED NUTS, BREAD, AND CAKE. Registered April 11, 1916. OAKES CANDY CO. Renewed April 11, 1936, to Herz-Oakes Candy Company, St. Louis, Mo., a corporation of Missouri, by change of name.

109,710. FLUID-MEASURING PUMPS AND METERS. Registered April 18, 1916. S. F. BOWSER & COMPANY, INCORPORATED, Fort Wayne, Ind., a corporation of Indiana. Renewed April 18, 1936.

109,748. EYEGLASSES, SPECTACLES, AND LENSES FOR THE SAME. Registered April 18, 1916. THE F. W. KING OPTICAL COMPANY, Cleveland, Ohio, a corporation of Ohio. Renewed April 18, 1936.

109,874. BITUMINOUS COAL. Registered April 18, 1916. THE MIDVALE-GOSHEN COAL COMPANY. Renewed April 18, 1936, to The Emgee Coal Company, Cleveland, Ohio, a corporation of Ohio, assignee.

109,935. A SALVE. Registered April 25, 1916. EUCAPINE CHEMICAL COMPANY, Atlanta, Ga. Renewed April 25, 1936, to Piedmont Laboratories, Clinton, S. C., a firm, successor.

109,949. ELECTRIC CONTACTS. Registered April 25, 1916. PFANSTIEHL COMPANY. Renewed April 25, 1936, to Fansteel Metallurgical Corporation, North Chicago, Ill., a corporation of New York, assignee.

109,983. STOCK FOOD—VIZ., OATS, CORN, BARLEY, BARLEY-MIDDLINGS, HOMINY FEED, AND OAT-HULLS FOR FEEDING PURPOSES. Registered April 25, 1916. D. H. GRANDIN MILLING CO., Jamestown, N. Y., a corporation of New York. Renewed April 25, 1936.

110,088. MAGAZINES ISSUING MONTHLY OR ON ALTERNATE MONTHS. Registered May 2, 1916. THE AMERICAN MULTIGRAPH SALES COMPANY. Renewed May 2, 1936, to Multigraph Company, Cleveland, Ohio, a corporation of Delaware, assignee.

110,132. ARTIFICIALLY-PREPARED ALKALINE WATER FOR NEUTRALIZING ACIDITY OF THE URINE. Registered May 2, 1916. KALAK WATER COMPANY OF NEW YORK, INC., Brooklyn, N. Y. Renewed May 2, 1936, to Kalak Water Co., of New-York, Inc., New York, N. Y., a corporation of New York.

110,193. A WEEKLY NEWSPAPER. Registered May 9, 1916. THE TRIBUNE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed May 9, 1936.

110,203. TWINE AND CORDAGE MADE FROM COTTON, JUTE, HEMP, SISAL, FLAX, OR MANILA FIBERS. Registered May 9, 1916. COLONIAL CORDAGE CO. Renewed May 9, 1936, to Schermerhorn Bros. Co., Chicago, Ill., a corporation of Illinois, assignee.

110,319. SOAP. Registered May 16, 1916. LOS ANGELES SOAP CO., Los Angeles, Calif., a corporation of California. Renewed May 16, 1936.

110,395. CANNED SALMON. Registered May 23, 1916. COLUMBIA RIVER PACKERS ASSOCIATION. Renewed May 23, 1936, to Columbia River Packers Association, Inc., Astoria, Oreg., a corporation of Oregon, assignee.

110,403. RHEUMATIC REMEDIES, CATARRHAL JELLY, AND COUGH-TABLETS. Registered May 23, 1916. AUGUST GUSTAV LUEBERT, Philadelphia, Pa. Renewed May 23, 1936, to August G. Luebert, Coatesville, Pa.

110,704. FIBER-BOARD OR ARTIFICIAL LUMBER FOR BUILDINGS AND ALLIED PURPOSES. Registered June 6, 1916. THE UPSON COMPANY, Lockport, N. Y., a corporation of New York. Renewed June 6, 1936.

110,831. COFFEE. Registered June 13, 1916. MINER, READ & TULLOCK. Renewed June 13, 1936, to The Miner, Read and Tullock, Inc., New Haven, Conn., a corporation of Connecticut, assignee.

110,892. COFFEE. Registered June 13, 1916. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed June 13, 1936.

110,925. CERTAIN NAMED FOODS. Registered June 20, 1916. THE H. D. LEE MERCANTILE CO., Salina, Kans. Renewed June 20, 1936, to The H. D. Lee Mercantile Company, Kansas City, Mo., a corporation of Kansas.

111,086. OLEOMARGARIN. Registered June 27, 1916. CAPITAL CITY DAIRY CO., Columbus, Ohio. Renewed June 27, 1936, to The Kroger Grocery & Baking Company, Cincinnati, Ohio, a corporation of Ohio, assignee.

111,157. PEANUTS. Registered July 4, 1916. AMERICAN PEANUT CORPORATION, Norfolk, Va. Renewed July 4, 1936, to American Peanut Corporation, Suffolk, Va., a corporation of Virginia.

111,158. PEANUTS. Registered July 4, 1916. AMERICAN PEANUT CORPORATION, Norfolk, Va. Renewed July 4, 1936, to American Peanut Corporation, Suffolk, Va., a corporation of Virginia.

111,174. CERTAIN NAMED SHEET-METAL WORK FOR BUILDINGS. Registered July 4, 1916. BOSTON METAL CEILING AND MANUFACTURING COMPANY, Boston, Mass. Renewed July 4, 1936, to Boston Metal Ceiling and Manufacturing Company, Cambridge, Mass., a corporation of Maine.

111,192. GLASS. Registered July 4, 1916. CORNING GLASS WORKS, Corning, N. Y., a corporation of New York. Renewed July 4, 1936.

111,233. CERTAIN NAMED FOODS. Registered July 4, 1916. HORN & HARDART BAKING COMPANY, Philadelphia, Pa., a corporation of New Jersey. Renewed July 4, 1936.

111,727. RAT OR MICE POISON, BED-BUG-DESTROYER, AND ROACH-DESTROYER. Registered August 1, 1916. B. HELLER & CO. Renewed August 1, 1936, to B. Heller & Company, Chicago, Ill., a corporation of Illinois, assignee.

111,775. GINGER-ALE, SARSAPARILLA, AND CLUB-SODA. Registered August 1, 1916. THE VARUNA SPRING CO. Renewed August 1, 1936, to Varuna Spring Water Co., Inc., Stamford, Conn., a corporation of Connecticut, assignee.

111,781. PEANUT-BUTTER AND PEANUTS. Registered August 8, 1916. THE AMERICAN PEANUT CORPORATION, Norfolk, Va. Renewed August 8, 1936, to American Peanut Corporation, Suffolk, Va., a corporation of Virginia.

111,793. TWINE AND CORDAGE. Registered August 8, 1916. COLONIAL CORDAGE CO. Renewed August 8, 1936, to Schermerhorn Bros. Co., Chicago, Ill., a corporation of Illinois, assignee.

111,794. TWINE AND CORDAGE. Registered August 8, 1916. COLONIAL CORDAGE CO. Renewed August 8, 1936, to Schermerhorn Bros. Co., Chicago, Ill., a corporation of Illinois, assignee.

111,816. HATS AND CAPS. Registered August 8, 1916. GOLDENBERGS. Renewed August 8, 1936, to The Goldenberg Co., Washington, D. C., a corporation of Maryland, successor.

112,015. CERTAIN NAMED PHARMACEUTICAL PREPARATIONS FOR TOILET PURPOSES. Registered August 15, 1916. MELBA MANUFACTURING COMPANY, Chicago, Ill. Renewed August 15, 1936, to Vadsco Sales Corporation, Long Island City, N. Y., a corporation of Delaware, assignee by mesne assignments.

112,139. NECKLACES. Registered August 22, 1916. JUERGENS & ANDERSEN COMPANY, Chicago, Ill., a corporation of Illinois. Renewed August 22, 1936.

112,142. CHEESE. Registered August 22, 1916. O. ROTH & Co. Renewed August 22, 1936, to Otto Roth & Co. Inc., New York, N. Y., a corporation of New York, successor.

112,172. LEAD-PENCILS. Registered August 22, 1916. EAGLE PENCIL COMPANY. Renewed August 22, 1936, to Eagle Pencil Company, New York, N. Y., a corporation of Delaware, assignee.

112,325. MEDICINAL TONICS AND TREATMENT OF DISEASES OF THE BLOOD, FEVER, COUGHS, COLDS, AND CATARRH. Registered August 29, 1916. FREDERICK STEARNS & Co., Detroit, Mich., a corporation of Michigan. Renewed August 29, 1936.

112,327. CANDY. Registered August 29, 1916. THE STERN & SAALBERG CO. Renewed August 29, 1936, to The Sweets Company of America, Inc., New York, N. Y., a corporation of Virginia, by change of name and mergers.

112,422. MISSES' AND JUNIORS' SUITS AND COATS. Registered September 5, 1916. I. GROSSMAN & SON, New York, N. Y., a firm. Renewed September 5, 1936.

112,456. PREPARED GRANULATED WHEAT. Registered September 5, 1916. THE WHEAT-HEARTS CO., Asheville, N. C. Renewed September 5, 1936, to Biltmore Wheat-Hearts Corporation, Biltmore Station, Asheville, N. C., a corporation of North Carolina, successor.

112,461. CERTAIN NAMED MUSICAL INSTRUMENTS AND SUPPLIES THEREFOR. Registered September 12, 1916. THE AEOLIAN COMPANY, Meriden, Conn., and New York, N. Y. Renewed September 12, 1936, to Aeolian American Corporation, New York, N. Y., a corporation of New York, assignee.

112,481. SWEATER-COATS, TOQUES, AND CAPS. Registered September 12, 1916. COLUMBIA KNITTING & MFG. CO., Milwaukee, Wis., a corporation of Wisconsin. Renewed September 12, 1936.

112,492. TROLLING SPOONS OR SPINNERS AND ARTIFICIAL BAIT. Registered September 12, 1916. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio, a corporation of Ohio. Renewed September 12, 1936.

112,493. TROLLING SPOONS OR SPINNERS AND ARTIFICIAL BAIT. Registered September 12, 1916. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio, a corporation of Ohio. Renewed September 12, 1936.

112,515. LUBRICATING-OILS. Registered September 12, 1916. WILBERT B. JACOBS. Renewed September 12, 1936, to Homer R. Jacobs, Emlenton, Pa., assignee.

112,538. BOND AND LEDGER PAPER. Registered September 12, 1916. NEENAH PAPER COMPANY, Neenah, Wis., a corporation of Wisconsin. Renewed September 12, 1936.

112,539. BOND AND LEDGER PAPER. Registered September 12, 1916. NEENAH PAPER COMPANY, Neenah, Wis., a corporation of Wisconsin. Renewed September 12, 1936.

112,540. BOND AND LEDGER PAPER. Registered September 12, 1916. NEENAH PAPER COMPANY, Neenah, Wis., a corporation of Wisconsin. Renewed September 12, 1936.

112,543. BOND AND LEDGER PAPER. Registered September 12, 1916. NEENAH PAPER COMPANY, Neenah, Wis., a corporation of Wisconsin. Renewed September 12, 1936.

112,544. BOND AND LEDGER PAPER. Registered September 12, 1916. NEENAH PAPER COMPANY, Neenah, Wis., a corporation of Wisconsin. Renewed September 12, 1936.

112,547. A SAPONACEOUS POWDER FOR CLEANING RUGS, CARPETS, AND THE LIKE. Registered September 12, 1916. OLSON RUG COMPANY, Chicago, Ill., a corporation of Illinois. Renewed September 12, 1936.

112,555. SODIUM SILICATE. Registered September 12, 1916. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed September 12, 1936.

112,564. CERTAIN NAMED BELTING AND PACKINGS. Registered September 12, 1916. CHAS. A. SCHIEREN COMPANY, New York, N. Y., a corporation of New York. Renewed September 12, 1936.

112,565. BLENDED COFFEE. Registered September 12, 1916. WILLIAM S. SCULL COMPANY, Camden, N. J., a corporation of New Jersey. Renewed September 12, 1936.

112,579. A SERIES OF DIFFERENT MOTION-PICTURE PHOTOPLAYS. Registered September 12, 1916. UNIVERSAL FILM MANUFACTURING COMPANY. Renewed September 12, 1936, to Universal Pictures Corporation, New York, N. Y., a corporation of New York, by change of name.

112,624. A MEDICINE FOR PURIFICATION OF THE BLOOD. Registered September 19, 1916. ENRIQUE R. BALAGUER, New York, N. Y. Renewed September 19, 1936, to Enrique R. Balaguer, doing business as Dr. Lovett Medicine Co., Brooklyn, N. Y.

112,628. A PREPARATION FOR THE TREATMENT OF GOUT AND RHEUMATISM. Registered September 19, 1916. ETIENNE BEJEAN, Paris, France. Renewed September 19, 1936.

112,732. A SERIES OF DIFFERENT MOTION-PICTURE PHOTOPLAYS. Registered September 19, 1916. UNIVERSAL FILM MANUFACTURING COMPANY. Renewed September 19, 1936, to Universal Pictures Corporation, New York, N. Y., a corporation of New York, by change of name.

112,734. PERFUMES, TOILET WATERS, FACE-POWDERS, LOTIONS, TALCUM POWDERS, AND SACHET-POWDERS. Registered September 19, 1916. V. VIVAUDOU, INC., New York, N. Y. Renewed September 19, 1936, to Vadsco Sales Corporation, Long Island City, N. Y., a corporation of Delaware, assignee.

112,735. PERFUMES, TOILET WATERS, FACE-POWDERS, LOTIONS, TALCUM POWDERS, AND SACHET-POWDERS. Registered September 19, 1916. V. VIVAUDOU, INC., New York, N. Y. Renewed September 19, 1936, to Vadsco Sales Corporation, Long Island City, N. Y., a corporation of Delaware, assignee.

112,773. BRAN COOKIES. Registered September 26, 1916. EDWIN ELLETT GANO, Bound Brook, N. J. Renewed September 26, 1936, to Edwin Ellett Gano, Elizabeth, N. J.

112,831. A LINIMENT FOR VARICOSE VEINS. Registered September 26, 1916. TROY CHEMICAL CO., Binghamton, N. Y., a corporation of New York. Renewed September 26, 1936.

LABELS

REGISTERED MAY 12, 1936

47,474.—*Title:* BEECH-NUT SPAGHETTI. For Spaghetti. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published March 30, 1936.

47,475.—*Title:* BEECH-NUT MACARONI. For Macaroni. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published February 18, 1936.

47,476.—*Title:* WHITE ROOSTER. For Canned Peas. ELKHART LAKE CANNING COMPANY, Elkhart Lake, Wis. Published January 15, 1925.

47,477.—*Title:* MESCO SURGUCUL. For Germicidal Soap. MEDICAL SOAP COMPANY, New Orleans, La. Published April 1, 1936.

47,478.—*Title:* CONSUMERS' PROTECTION LABEL. For Millinery. MILLINERY STABILIZATION COMMISSION, INC., New York, N. Y. Published February 14, 1936.

47,479.—*Title:* SAY SIMS. For Breakfast Cereal. SIMS, INC., St. Paul, Minn. Published December 15, 1935.

47,480.—*Title:* VITAMIN-D. For Bread. SPAULDING BAKERIES, INCORPORATED, Binghamton, N. Y. Published October 14, 1935.

47,481.—*Title:* OLD SLEIGH HALF AND HALF. For Half-and-Half. THE VICTOR BREWING CO., Jeannette, Pa. Published February 26, 1936.

PRINTS

REGISTERED MAY 12, 1936

15,687.—*Title:* TEXTURE TAKES THE FLOOR. For Carpets and Rugs. BIGELOW-SANFORD CARPET CO. INC., New York, N. Y. Published February 21, 1936.

15,688.—*Title:* THE WHOLE SCENE CHANGES. For Carpets and Rugs. BIGELOW-SANFORD CARPET CO. INC., New York, N. Y. Published February 1, 1936.

15,689.—*Title:* CARPET TOO, OF LIVELY WOOL. For Carpets. BIGELOW-SANFORD CARPET CO. INC., New York, N. Y. Published April 1, 1936.

15,690.—*Title:* THE ROOM RECIPE IDEA AT WORK FOR YOU! For Carpets and Rugs. BIGELOW-SANFORD CARPET CO. INC., New York, N. Y. Published March 15, 1936.

15,691.—*Title:* HERE'S THE KIND OF STRAWBERRY SHORTCAKE YOUR HUSBAND WILL RAVE ABOUT. For Biscuit Flour. GENERAL MILLS, INC., Minneapolis, Minn. Published April 10, 1936.

15,692.—*Title:* WHERE THE BEST IN QUALITY IS DEMANDED . . PABST BEER IS SERVED, AD. NO. 608. For Beer and Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published January 31, 1936.

15,693.—*Title:* DRINK PABST AND THE WORLD DRINKS WITH YOU—. AD. NO. 615. For Beer and Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published March 10, 1936.

15,694.—*Title:* DRINK PABST AND THE WORLD DRINKS WITH YOU—, AD. NO. 616. For Beer and Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published March 10, 1936.

15,695.—*Title:* DRINK PABST AND THE WORLD DRINKS WITH YOU—, ADV. NO. 5335. For Beer and Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published January 17, 1936.

15,696.—*Title:* DON'T DRINK—TILL YOU SEE THE PABST TRADEMARK, AD. NO. 5336. For Beer and Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published January 21, 1936.

15,697.—*Title:* QUALITY IS THE PABST POLICY—, ADV. NO. 5337. For Beer and Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published January 29, 1936.

15,698.—*Title:* ALL BEERS ARE NOT PABST UNDER THE TIN . . . , AD. NO. 5338. For Beer and Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published January 29, 1936.

15,699.—*Title:* GO BEST—YOUNG MAN CHOOSE PABST . . . , AD. NO. 5339. For Beer and Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published February 4, 1936.

15,700.—*Title:* ALL THAT GLITTERS—IS NOT PABST, AD. NO. 5340. For Beer and Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published February 6, 1936.

15,701.—*Title:* GOODNESS IS AS PABST DOES, ADV. NO. 5341. For Beer and Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published February 11, 1936.

15,702.—*Title:* WE HAVE MET PABST—AND IT IS OURS, ADV. NO. 5342. For Beer and Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published February 14, 1936.

15,703.—*Title:* A FRIEND YOU NEED IS PABST INDEED, AD. NO. 5343. For Beer and Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published February 18, 1936.

15,704.—*Title:* IF AT FIRST YOU DIDN'T TRY PABST—TRY AGAIN! ADV. NO. 5344. For Beer and Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published February 20, 1936.

15,705.—*Title:* HE WHO DRINKS PABST—DRINKS BEST, AD. NO. 5345. For Beer and Ale. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Published February 28, 1936.

REISSUES

MAY 12, 1936

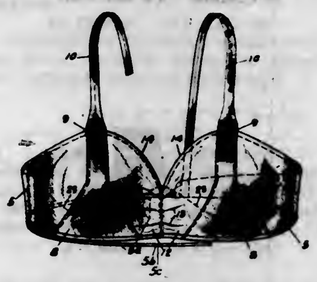
19,960

CORRECTIVE BRASSIÈRE

Patricia Clancy, San Diego, Calif.

Original No. 1,937,066, dated November 28, 1933, Serial No. 661,546, March 18, 1933. Application for reissue October 23, 1934, Serial No. 749,647

5 Claims. (Cl. 2—42)



4. A brassière structure including a central portion comprising a pair of wing-shaped sternum members connected together along a vertical median, tucks in said members extending from said median whereby said sternum members are adapted to cover opposing inner sides of the breasts; side members approximately triangular in shape adapted to cover the outer sides of the breasts and connected with said sternum members to form breast-receiving pockets; and strip members traversing said breast-receiving pockets from the bottom thereof to the top thereof substantially in alignment with shoulder straps.

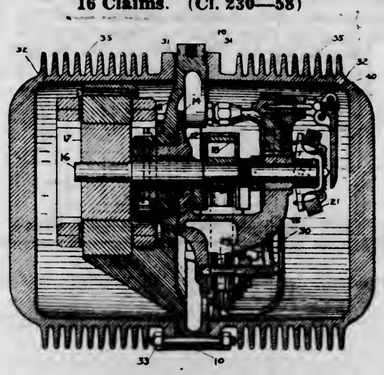
19,961

MOTOR COMPRESSOR UNIT

Harvey E. Crane, Fort Wayne, Ind., assignor to The Hoover Company, a corporation of Ohio

Original No. 1,704,655, dated March 5, 1929, Serial No. 175,975, March 17, 1927. Application for reissue February 18, 1931, Serial No. 516,704

16 Claims. (Cl. 230—58)



1. In a motor compressor unit, the combination of a main frame comprising the support for the unit, a motor and a compressor mounted on the main frame, driving connection between the motor and the compressor and closure members enclosing the motor and compressor and sealed to the main frame said motor and said compressor being supported entirely by said frame.

19,962

COMPRESSOR

Miller R. Hutchison, Jr., Madison, N. J., assignor to Multicycol Pump & Engine Corporation, New York, N. Y., a corporation of New York

Original No. 1,942,423, dated January 9, 1934, Serial No. 652,862, January 21, 1933. Application for reissue January 8, 1936, Serial No. 58,236

2 Claims. (Cl. 230—149)



1. A compressor or the like, comprising a casing having a generally cylindrical chamber with inlet and outlet and a partly cylindrical bearing seat intermediate the inlet and outlet offset from said cylindrical chamber on an axis parallel with the axis of the same, an impeller of symmetrical form rotating in said chamber and composed of tangentially related plane and outwardly convex surfaces and rotating with said outwardly convex surfaces in sealing relation with the surrounding cylindrical wall portion of the chamber, a partly cylindrical rocker seated with its cylindrical portion in said bearing and thereby journalled in the casing intermediate the inlet and outlet on a fixed axis parallel with the axis of rotation of the impeller and having a hollow face opposed to the impeller and terminating at opposite sides of the hollow in convexly rounded bearing surfaces in constant sealing engagement with the tangentially related outwardly convex and plane surfaces of the impeller and whereby said rocker is oscillated in opposite directions wholly by said impeller and continuously in doubly sealed relation therewith.

19,963

APPARATUS FOR OBTAINING SAMPLES FROM DRILLED WELLS

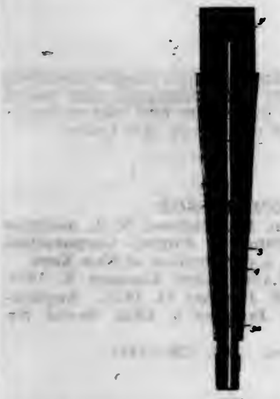
George A. Macready, Los Angeles, Calif.

Original No. 1,896,522, dated February 7, 1933, Serial No. 572,889, July 5, 1922. Renewed October 10, 1927. Application for reissue February 2, 1934, Serial No. 709,518

8 Claims. (Cl. 166—1)

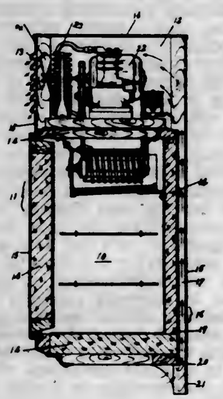
1. A device for obtaining test samples from drilled wells comprising a pipe having a swiveled packer at its foot to engage a seat in the well-hole, said device having valve means permitting

expulsion of fluid by displacement from within the pipe into the space outside of the pipe above



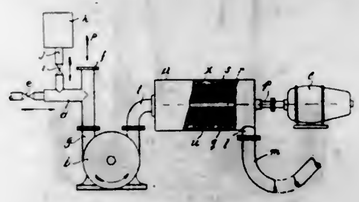
the packer but preventing flow of fluid in the opposite direction.

19,964
REFRIGERATING APPARATUS
Charles W. Scherer, Dayton, Ohio, assignor, by mesne assignments, to Frigidaire Corporation, a corporation of Delaware
Original No. 1,887,948, dated November 15, 1932, Serial No. 164,722, January 31, 1927. Application for reissue April 21, 1933, Serial No. 667,290
6 Claims. (Cl. 62—116)



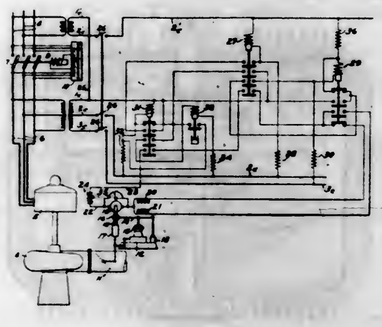
6. A refrigerating apparatus comprising, a cabinet, said cabinet including a plurality of upright walls and other adjoining walls defining a food storage compartment and a machine compartment above the food storage compartment, said machine compartment being provided with an air inlet opening and an air outlet opening, the upright walls surrounding said food storage compartment comprising insulating portions and facing members overlying the insulating portions, a facing member spaced from one of the facing members of one of said upright walls to provide an air flue therebetween, and said air flue communicating with the air inlet opening of said machine compartment and extending to a point below the plane of the air outlet opening of said machine compartment and having its lower end opening exteriorly of the cabinet.

19,965
PROCESS AND APPARATUS FOR THE MECHANICAL PRODUCTION OF FROTH
Einer Schröder and Jan Arent Schoenheyder van Deurs, Frederiksburg, Denmark
Original No. 1,927,376, dated September 19, 1933, Serial No. 425,580, February 3, 1930. Application for reissue September 19, 1935, Serial No. 41,258. In Germany February 6, 1929
10 Claims. (Cl. 261—93)



1. A method of mechanically producing froth, comprising feeding a fluid and a froth-forming liquid simultaneously through a mixing chamber, maintaining a superatmospheric pressure in the said chamber and forming therein a dispersion of the said fluid in the said liquid, and allowing the dispersion to expand and convert into froth in consequence of the discharge of the dispersion from said chamber.

19,966
CONTROL SYSTEM
Paul M. Stivender, West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Original No. 1,844,719, dated February 9, 1932, Serial No. 409,071, November 22, 1929. Application for reissue December 26, 1933, Serial No. 704,033
20 Claims. (Cl. 290—4)

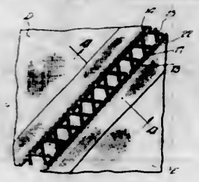


15. In combination, two alternating current circuits, and means for controlling the frequency of one of said circuits including two electroresponsive devices respectively responsive to a function of a voltage of one of said circuits and a voltage of the other of said circuits and a function of said voltage of one of said circuits and another voltage of said other circuit.

19,967
COMPOSITION OF MATTER COMPRISING RESIN ESTERS
Harry M. Weber, Newton, Mass., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Original No. 1,722,776, dated July 30, 1929, Serial No. 595,862, October 20, 1922. Application for reissue March 20, 1936, Serial No. 69,989
16 Claims. (Cl. 134—26)

1. A composition of matter comprising a rosin phthalic glyceride resin soluble in nitrocellulose solvents, admixed with nitrocellulose.

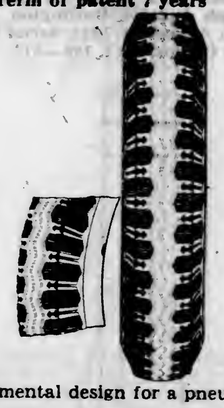
19,968
SEAM FOR GARMENTS
Samuel N. Weiner, Far Rockaway, N. Y.
Original No. 1,950,367, dated March 6, 1934, Serial No. 667,813, April 25, 1933. Application for reissue November 5, 1934, Serial No. 751,633
5 Claims. (Cl. 2—276)



5. In a garment including two pieces of material, a seam structure for securing said pieces together, said seam structure comprising folds extending along those edges of the garment pieces to be secured together, a reinforcing element extending along each of said folded edges, stitching securing the reinforcing element, said stitching passing through the folds of said edges, and flexible spacing elements normally to hold the edges of the pieces in spaced relation, said spacing elements being arranged in pairs with those of each pair crossed and interlocked at their point of crossing.

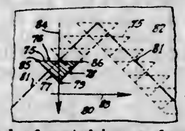
CARNEGIE LIBRARY OF ATLANTA

19,969
DESIGN FOR A PNEUMATIC TIRE
Pierre Marcel Bourdon, Paris, France, assignor to Michelin & Cie, Clermont-Ferrand, France, a corporation of France
Original No. 97,255, dated October 22, 1935, Serial No. 56,220, April 5, 1935, for 7 years. Application for reissue February 13, 1936, Serial No. 61,141. Term of patent 7 years



The ornamental design for a pneumatic tire as shown.

19,970
PROCESS OF CUTTING FUR
Oscar M. Dean, Sioux City, Iowa
Original No. 1,895,025, dated January 24, 1933, Serial No. 490,485, October 22, 1930. Application for reissue January 4, 1935, Serial No. 457
16 Claims. (Cl. 164—17)



5. The method of notching a fur bearing hide which comprises imparting to the hide linear travel, repeatedly forming individual relatively narrow cuts in the hide in a manner for deflecting but not cutting the hairs thereof and while moving the cutting means back and forth in a line traversing the line of feed of the hide, the individual cuts and the combined hide and cutting means movement cooperating to form a continuous notched-line cut in the hide.

PLANT PATENTS

177
ROSE
Frank Eugene Cremer, Hanover, Pa.
Application December 21, 1935, Serial No. 55,645
1 Claim. (Cl. 47—61)

The new variety of rose plant herein shown and described, characterized particularly by its vigorous growth and free blooming habits, its profuse foliage and its full-petaled, substantial flowers of distinctive salmon-orange color changing as described and having long-lasting, non-shattering qualities.

PATENTS

GRANTED MAY 12, 1936

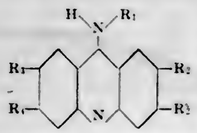
2,040,069
DEPOSIT ELIMINATOR
Joseph Audette, Burlington, Vt.
Application August 14, 1935, Serial No. 36,223
4 Claims. (Cl. 126—312)



1. A deposit eliminator comprising a conductor pipe to convey products of combustion from a stove to a chimney, a longitudinally extending partition in a portion of the conductor pipe dividing the interior thereof into a passage for the products of combustion and an air chamber, said air chamber closed at the end toward the stove and opening into the passage at the end toward the chimney, a normally closed damper mounted in the conductor pipe and fashioned to provide a space between its periphery and the partition so as to cause increased flow of the products of combustion next to the partition wall, and said conductor pipe formed with an opening leading into the chamber from the atmosphere near the closed end thereof whereby air is admitted to the lower end of the chamber where it is heated and passed out of the chamber into the conductor pipe above the passage creating a suction to withdraw heavy fumes from the passage and prevent condensation in the conductor pipe.

2,040,070
SALTS OF ORGANIC ARSONIC ACIDS WITH ACRIDINE COMPOUNDS
Max Bockmühl, Frankfort-on-the-Main, and Alfred Fehrle, Bad Soden-on-the-Taunus, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application July 1, 1932, Serial No. 620,538. In Germany July 4, 1931
8 Claims. (Cl. 260—14)

1. A salt of an arsonic acid of the benzene series with an acridine of the following general formula:

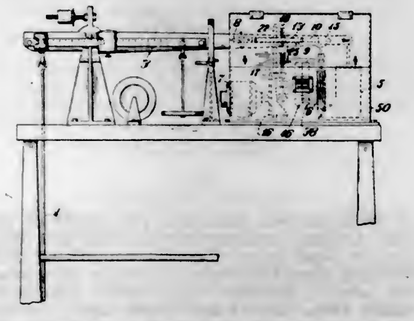


wherein R_1 stands for a substituent of the following general formula:

$$R—N(alkyl)_2$$

R being a radical of the group consisting of ethyl, beta-hydroxypropyl, ethylaminophenyl, beta-hydroxypropylaminophenyl, g a m m a-ethylamino-beta-hydroxypropylaminophenyl, ethoxyphenyl and acetylethylamide, one of the R_2's stands for the nitro group, the other being hydrogen, R_3 stands for hydrogen, alkoxy, dialkylaminoalkoxy or dialkylaminoalkyl, R_4 stands for hydrogen, alkoxy or the nitro group, said salt being therapeutically effective and having a yellow to brown color.

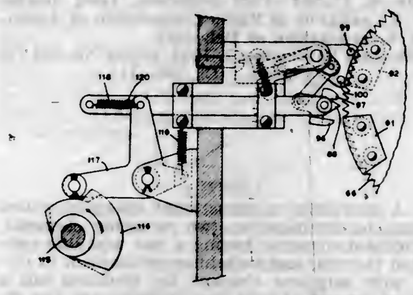
2,040,071
ELECTRICALLY CONTROLLED WEIGHT INDICATING MECHANISM FOR WEIGHING SCALES
Max E. Brendel, Chicago, Ill., assignor to Streeter-Amet Company, Chicago, Ill., a corporation of Illinois
Application April 23, 1930, Serial No. 446,596
34 Claims. (Cl. 265—68)



1. A weight indicating mechanism for weighing scales including a reversible motor, a motor control switch mechanism mounted upon an operative load-actuated element of the scale structure, a gravity actuated switch-lever operatively associated with said switch and said element, and a member actuated by the motor and normally engaged with said switch-lever to maintain the same in neutral position.

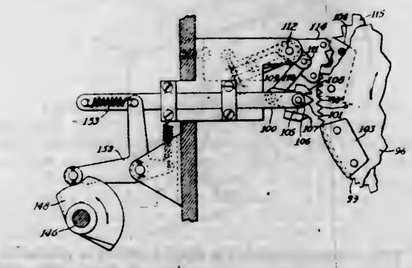
2,040,072
WEIGHT INDICATING MECHANISM AND THE LIKE
Max E. Brendel, Chicago, Ill., assignor to Streeter-Amet Company, Chicago, Ill., a corporation of Illinois
Application September 9, 1932, Serial No. 632,351
18 Claims. (Cl. 265—6)

1. In apparatus of the character described, the combination comprising a pair of indicator wheels, one for indicating units and the other for indicating higher decimals, the units wheel having cam means associated with the zero reading, mechanism actuated by said cam means for controlling the other wheel, said cam means being forced to actuate said mechanism to shift the other wheel to bring either one of a pair of adjacent digits on said other wheel into indicating



position depending upon whether the indication on the units wheel is zero or below zero.

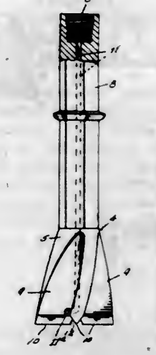
2,040,073
WEIGHING APPARATUS
Max E. Brendel, Chicago, Ill., assignor to Streeter-Amet Company, Chicago, Ill., a corporation of Illinois
Application December 23, 1933, Serial No. 703,773
15 Claims. (Cl. 265—5)



1. Weighing apparatus of the character described comprising in combination a weight responsive member constructed and arranged to be moved responsively to the load weighed to a position representing the weight of the load, mechanism for indicating the weight of a load on the weighing apparatus, a rotary step cam whose range of movement is a plurality of revolutions for setting the units digit of the indicating mechanism, said step cam having a series of steps whose number is only a fraction of the capacity of the weighing apparatus whereby the capacity of the weighing apparatus is the product of a number of steps on said cam and the number of revolutions of the cam in traversing the capacity of the weighing apparatus, means for rotating the step cam to a weight position corresponding to that of the load responsive member, and means for causing the step cam to set the units digit of said indicating mechanism.

2,040,074
JACK HAMMER BIT
Nels Brenholm, Stevenson, Wash., assignor of one-third to R. M. Wright, Stevenson, Wash., and one-third to George Guyette, Cook, Wash.
Application April 15, 1935, Serial No. 16,524
1 Claim. (Cl. 255—64)

A bit for use with jack hammer drills adapted to be rotated normally in a counterclockwise direction, said bit having a multiplicity of integral spiral blades twisting clockwise from the top to the bottom of the bit and providing in alternation with the blades grooves having a spiral twist corresponding to the spiral twist of the blades, said bit also including an integral shank and a passage extending longitudinally of the shank and

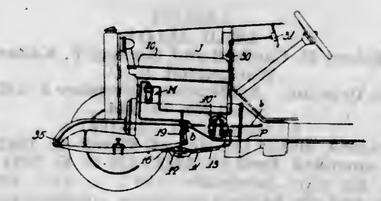


the bit and opening laterally through one of the trailing faces of one of said blades, and said blades having cutting edges disposed slightly lower than the central part of the lower surface of the bit, said cutting edges being beveled.

2,040,075
TRANSFER PROCESS
Paul V. Brower, Maywood, Ill., assignor to Ditto, Incorporated, a corporation of West Virginia
No Drawing. Application January 24, 1935, Serial No. 3,289
11 Claims. (Cl. 41—31.5)

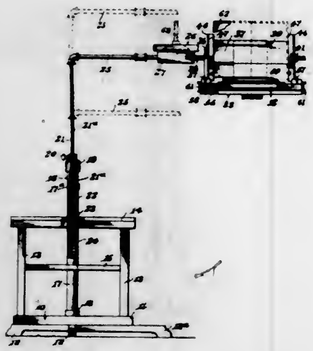
1. The process of reproduction which comprises applying to a master sheet an oil-soluble color substance to form a design in reverse, moistening a copy sheet with a volatile, substantially non-aqueous solvent and applying the moistened copy sheet to the side of the master sheet bearing said color substance, thereby transferring a portion of said color substance to said copy sheet to form the design thereon.

2,040,076
CENTRALIZED LUBRICATION
Joseph Bijur, New York, N. Y., assignor to Auto Research Corporation, a corporation of Delaware
Application December 10, 1929, Serial No. 412,982
85 Claims. (Cl. 184—7)



1. A fluid distributing system having a plurality of flow proportioning outlets and a flow throttling inlet to said system having a resistance to flow substantially greater than that of each outlet singly and of the entire distributing system therebeyond collectively.

2,040,077
TABLE AND BOOK LEDGE
Robert C. Burnley, Louisville, Ky.
Application June 25, 1934, Serial No. 732,343
8 Claims. (Cl. 45—82)

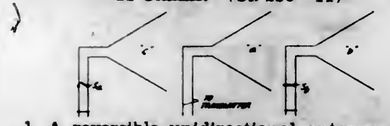


1. A device of the class described comprising a supporting member, an anchoring member reciprocably mounted upon said supporting member, spring means carried by said supporting member and engaging said anchoring member for normally holding the anchoring member in one position and permitting the shifting of the anchoring member to another position, the spring means holding the anchoring member against rotation upon said supporting member, said anchoring member having a projecting locking arm, a reading desk journaled for rotating movement upon said supporting member, said reading desk having a rack for engagement with said locking arm, said rack having a plurality of apertures arranged on the arc of a circle for receiving said locking arm whereby said reading desk may be held in an adjusted angular position upon said supporting member, said anchoring member constituting a lamp supporting tray and a tubular portion fitting around said supporting member and housing said spring means, said spring means embodying a collar fixed on said supporting member and a compression spring, the tubular portion being longitudinally slotted and said collar having a pin working in said slot for permitting the longitudinal shifting of the tubular portion with respect to the supporting member and at the same time holding the tubular portion against rotation upon said supporting member.

2,040,078
LEAD ALLOY
Robert H. Canfield and Herman F. Kaiser, Washington, D. C.
No Drawing. Application November 8, 1933, Serial No. 697,144
2 Claims. (Cl. 75—166)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

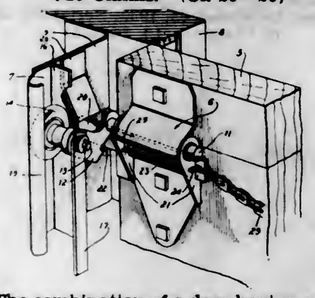
1. An alloy comprising 0.04% to 0.6% strontium and the balance consisting substantially of lead, said alloy being characterized by even distribution of minute crystals of the alloy, a desirable degree of hardness, stability at the grain boundaries, low solubility of gases when in the molten condition and high resistance to intergranular corrosion and attack by oxygen.

2,040,079
REVERSIBLE BEAM SYSTEM
Philip S. Carter, Port Jefferson, Long Island, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 1, 1932, Serial No. 631,320
11 Claims. (Cl. 250—11)



1. A reversible unidirectional antenna system having, in combination, two radiating elements, one of said elements having a two wire line connected thereto, and switching mechanism in circuit with said one element for shunting out a portion thereof of said line for reversing the direction of radiation of said system.

2,040,080
OVERHEAD DOOR
Harold F. Collins, Rockford, Ill., assignor to Howard D. Colman, Rockford, Ill.
Application August 23, 1933, Serial No. 686,340
10 Claims. (Cl. 20—20)

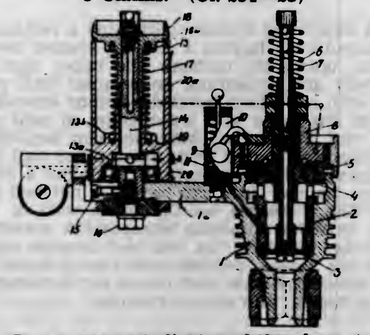


1. The combination of a door having a plurality of panel sections hinged together at their adjacent edges, guide channels at the vertical marginal edges of the door having vertical, horizontal and curved connecting portions, a plurality of crank arms projecting inwardly from the door and each pivoted on the door coincident with one of the hinge axes, rollers projecting from the free ends of said arms into the space between the flanges of said channels, a locking bolt adjacent one of said axes and mounted at one marginal edge of the door for movement in a plane between the door and the vertical portion of one of said channels, said bolt projecting beyond the inner edge of the latter channel and being spaced therefrom a distance sufficient to remain out of contact therewith during movement of the door around said curved portions, and an abutment rigid with the channel and positioned for engagement with said bolt in the closed position of the door whereby to secure the latter against upward displacement.

2,040,081
AGGLOMERATING FINE PHOSPHATE ROCK
Harry A. Curtis, Knoxville, Tenn., assignor to Tennessee Valley Authority, Wilson Dam, Ala., a corporation of the United States
No Drawing. Application September 21, 1934, Serial No. 744,943
5 Claims. (Cl. 23—108)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

5. Step in process of agglomerating fine phosphate rock, which comprises, forming spheroidal masses from a pugged mixture of the fine phosphate rock and a diluted mineral acid, selected from the group consisting of phosphoric acid, containing not more than 40% by weight of H_3PO_4, and sulfuric acid, containing not more than 50% by weight of H_2SO_4, in a rotary type mixer, which will not crush the agglomerates as formed, with the diluted acid used in a sufficient quantity to effect agglomeration with the strength of the acid use.

2,040,082
ENGINE PRESSURE INDICATOR
Kalman John De Juhasz, State College, Pa.
Application July 10, 1933, Serial No. 679,659
3 Claims. (Cl. 234—23)



1. In a pressure indicator of the character described, a drum assembly incorporating an axle with an inserted stop pin and a drum body having a nose on its inside coacting with said stop pin.

2. In a pressure indicator of the type described having a turntable, an indicator arm, an indicator cylinder and a drum, a hollow cylinder fastened to the indicator arm between the indicator cylinder and the drum, said hollow cylinder having the dual function as a container for lubricant and as a stop-post limiting the rocking motion of the turntable.

3. A pressure indicator of the character described comprising a drum spring, a drum body formed with a bottom portion and a ridge protruding upward from said bottom portion, said ridge serving for guiding one end of the spring.

2,040,083
EARRING
Earle Cary Elliott and Robert Winberg, Providence, R. I., assignors to Haselwyn, Inc., Providence, R. I., a corporation of Rhode Island
Application January 30, 1934, Serial No. 709,037
13 Claims. (Cl. 63—14)

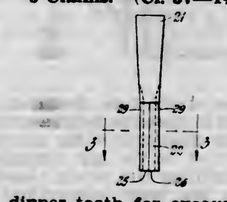


1. An earring comprising a loop-like frame open at one side and of a size to completely traverse a lobe of an external ear, with the ends of the frame confronting the lower portion of the concha of said ear, an ornament carried by said frame, a saddle formed on the uppermost end of the frame for contact with the inner surface of the lowermost portion of the concha, and a binding screw carried at the lower end of the frame and engageable with the external surface of the lower portion of said concha.

2,040,084
EXTRACTION OF TAR ACIDS
Edward H. Ellms, Fairlawn, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application January 12, 1932, Serial No. 586,194
12 Claims. (Cl. 260—154)

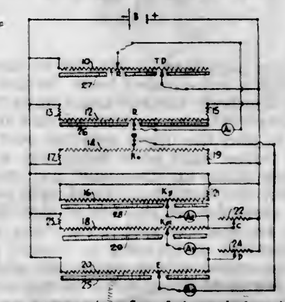
1. The method of recovering tar acids from a mixture of vapors comprising tar acid vapors and steam which comprises bringing into contact with the mixture of vapors an aqueous solution of an alkaline reagent which, at the temperature of the vapors, has a vapor pressure approximating that of the water in the vapors.

2,040,085
DIPPER TOOTH
Mitchell L. Fykse, South Milwaukee, and Mark J. Woodhull, Milwaukee, Wis., assignors to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application March 23, 1934, Serial No. 717,002
5 Claims. (Cl. 37—142)



1. In a dipper-tooth for excavators, the combination of a wedge-shaped earth-engaging point; and a shank for wedging into a socket on the dipper, said shank having opposed flat converging bearing faces, and opposed reentrant bearing faces; the wedge-shaped point having its non-converging sides carry recesses for the reception of the dipper lip.

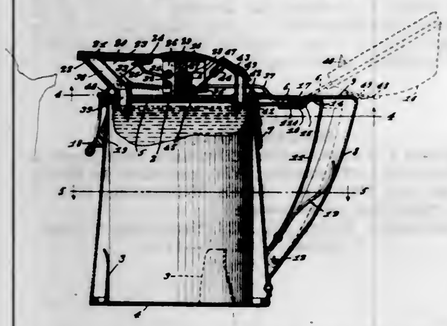
2,040,086
CONDENSER EFFICIENCY CALCULATOR
John E. Goodwillie, Tarrytown, N. Y.
Application October 29, 1930, Serial No. 491,915
3 Claims. (Cl. 235—61)



1. In an apparatus for determining the operating efficiency of a steam surface condenser, means for obtaining in terms of electrical values the ratio between the temperature rise of the water and the temperature difference between the in-

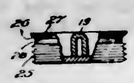
let water and steam temperatures, means for obtaining in terms of electrical values the operating efficiency of a laboratory perfect condenser at the prevailing water rate and water inlet temperature, and electrical means electrically connected to both of said means for comparing the resultant values to determine the operating efficiency of said condenser in terms of the operating efficiency of the laboratory perfect condenser under like operating conditions.

2,040,087
MILK CAN HOLDER AND DISPENSER
Fred Hackl, New Kensington, Pa.
Application December 18, 1934, Serial No. 758,109
3 Claims. (Cl. 65—61)



3. A container of the type described comprising a body, a top to close the body, a pouring tube in the top, an air-inlet tube in the top, covers for said tubes mounted on the top, yieldable means in the top for holding the covers closed, a slide mounted in the top, lever connections between the slide and the covers, and a pull-rod secured to the slide and extending to the exterior of the top.

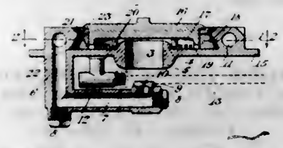
2,040,088
CLOSURE PLUG AND METHOD OF FORMING SAME
John P. Jesevich, Chicago, Ill., assignor to American Flange & Manufacturing Co. Inc., a corporation of Illinois
Application March 11, 1932, Serial No. 596,111
12 Claims. (Cl. 29—148.2)



1. A closure plug formed entirely of sheet metal comprising a cup-shaped body, having a bottom and a relatively thicker and compacted side wall, the lower exterior portion of said body being threaded and the upper exterior portion adjacent the top of said body being cut away on an angle providing an upwardly and outwardly tapering seat and defining a head, said seat surface being spaced from the top of said threaded portion by an annular gasket-receiving surface.

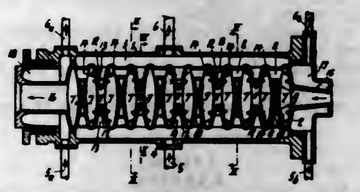
3. The method of forming a closure plug of the class described which comprises shaping a preformed blank of sheet metal to cup form, inserting a sheet metal piece crosswise of and within the cup, and compressing the side wall of said cup uniformly to cause the metal thereof to flow around the ends of said cross piece and fix the latter thereto in a projection-less manner.

2,040,089
OIL BURNER
Alejandro Gabrielli Fernández, Mexico, D. F., Mexico, assignor to Gaf Manufacturing Corporation, New York, N. Y., a corporation of New York
Application November 8, 1933, Serial No. 697,188
Renewed April 6, 1935
7 Claims. (Cl. 158—65)



1. A liquid fuel burner comprising a rectangular shaped body having a circular-shaped recess opening outwardly through the upper face of said body and presenting an annular wall provided with oppositely beveled portions extending between the outer and inner edges of said annular wall, an annular deflecting cap located in the recess and spaced from the annular wall and its oppositely beveled portions to define a combustion chamber, said cap having a notched annular flange resting on the inner wall of the recess to form a mixing chamber, a marginal deflecting flange on the cap and located above one of the beveled portions and spaced from the other beveled portion, and means for introducing air and fuel to said mixing chamber.

2,040,090
METHOD AND APPARATUS FOR HEAT INTERCHANGE WITH COMPRESSED GASES
Hans Holzwarth, Dusseldorf, Germany, assignor to Holzwarth Gas Turbine Co., San Francisco, Calif., a corporation of Delaware
Application July 18, 1933, Serial No. 680,964
In Germany July 22, 1932
7 Claims. (Cl. 122—24)



1. The method of transferring heat from intermittent puffs of hot gases of high pressure, such as the live gases discharging from a constant volume explosion chamber, to a substance of lower temperature, which comprises reducing the pressure of the successive puff of gases in stepwise fashion as they pass in heat transmitting relation with such substance and thereby repeatedly imparting to such gases a high velocity and directing the high velocity gases repeatedly into a relatively large space wherein their velocity in the general direction of flow is reduced and their kinetic energy in part converted into whirls and eddies whereby the whole mass of gas is set into turbulent agitation and all parts thereof caused to come into contact with the heat transfer surfaces between the gases and said substance, the puffs being only of such frequency that the pressure in each space falls to a pressure substantially below that of the incoming puff of pressure gases before the latter arrives.

2,040,091
CLOSURE FOR COLLAPSIBLE TUBES
Emil Koller, Zurich, Switzerland
Application December 23, 1933, Serial No. 703,777
In Switzerland December 23, 1932
3 Claims. (Cl. 221—60)



1. A combination with a collapsible container, having a substantially rigid tubular neck, a cap on a valve seat formed at the outer end of said neck, said cap being secured to the neck and formed with an outlet opening in a wall thereof, a deformable closure body normally mounted upon the valve seat and normally closing the opening in the cap and a yieldable disk member enclosed within the cap to yieldably hold the closure body in a sealing position with relation to the valve seat and the opening in the cap, and to simultaneously flex to permit said body to recede from its seat to expose said opening under force of the material being extruded from the tube by pressure tending to collapse the walls thereof.

2,040,092
PIPE JOINT
Walter L. Leedy, Youngstown, Ohio
Application February 21, 1934, Serial No. 712,396
5 Claims. (Cl. 285—114)

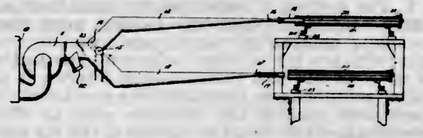


1. A threadless joint for wrought iron and steel pipe comprising a hollow fitting having a passage therein, a wrought iron or steel pipe section having a normal diameter in excess of the diameter of the fitting passage, and formed with a reduced shouldered end spaced from the wall of said fitting passage providing a sealing space for sealing material, an abutment formed on the fitting for engagement with the end of the pipe to position the pipe within the fitting and seal the inner end of the sealing space against leakage, the end of the fitting cooperating with the shoulder portion of the pipe for sealing the outer end of the sealing space, and means for supplying the sealing space with a melted sealing material such as solder for securely connecting and fitting the pipe together.

2,040,093
NONALKALI METAL SALTS OF DICARBOXYLIC ACID ESTERS OF CELLULOSE
Carl J. Malm and Charles R. Fordyce, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application July 30, 1932, Serial No. 627,148
10 Claims. (Cl. 260—101)

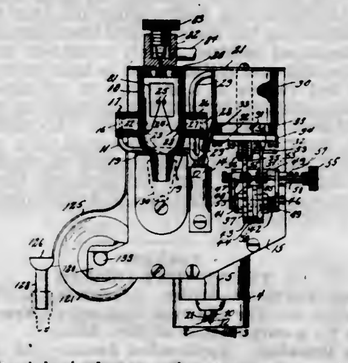
1. A cellulose acetate copper dicarboxylate.

2,040,094
UPHOLSTERY PAD STUFFING MACHINERY
Thomas L. McJoynt, Janesville, Wis.
Application May 29, 1933, Serial No. 673,360
8 Claims. (Cl. 226—43)



1. In a mechanism for filling upholstery pads having spaced parallel rows of stitching defining separate parallel sleeves for the reception of a filling, a mold embodying upper and lower complemental sections having means defining a compartment for the reception of a pad, and spaced parallel separating strips carried by the opposed side of the sections and extending longitudinally thereof and projecting into said compartment for pressure contact with the sewn portions of the pad, means to lock the sections together with said spaced strips extending longitudinally of said rows of stitching in pressure contact with the adjacent portions of the pad.

2,040,095
PHYSIOLOGICAL MEASURING
Elmer I. McKesson, Toledo, Ohio; Martha F. McKesson, executrix of said Elmer I. McKesson, deceased, assignor to Martha F. McKesson, Toledo, Ohio
Application September 29, 1930, Serial No. 485,082
5 Claims. (Cl. 234—1.5)



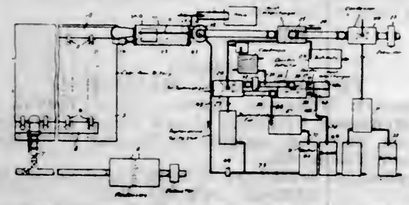
1. Physiological measuring apparatus embodying a liquid supply duct, a duct having a discharge port, mechanism embodying drop actuated means, a recording device to be actuated by said means, multiple designation means for the device, and designation selecting adjusting means for the designation means.

2,040,096
RECOVERY OF TAR ACIDS FROM TAR
Stuart Parmelee Miller, Englewood, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application August 6, 1929, Serial No. 383,859
10 Claims. (Cl. 260—154)

1. The method of recovering tar acids from tar, which comprises passing inert gases into intimate contact with hot tar to effect vaporization of tar acid oils, and effecting selective and fractional extraction of tar acids from the resulting admixed gases and vapors by passing the same through a series of alkaline solutions and regulating the solutions to effect selective and fractional extraction of the tar acids from the admixed gases and vapors.

8. The method of recovering tar acids from tar, which comprises repeatedly passing inert gases including neutral oil vapors into intimate contact with hot tar to effect selective vaporization of tar acid oils, and then through a series of alkaline solutions and regulating the contact of the gases with each of the solutions so as to effect selective and fractional extraction of the tar acids from the admixed gases and vapors and recycling at least a portion of the inert gases together with neutral oil vapors into contact with the tar.

2,040,097
DISTILLATION OF TAR
Stuart Parmelee Miller, Scarsdale, N. Y., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application January 15, 1931, Serial No. 508,848
Renewed July 25, 1935
18 Claims. (Cl. 202—30)



1. The method of distilling tar-acid- and neutral-oil-containing hydrocarbon material by first dephenolizing the material and then distilling the dephenolized residue, which comprises preheating the hydrocarbon material by heat interchange with hot vapors or a mixture of hot gases and vapors resulting from the distillation of the dephenolized material, selectively vaporizing tar acids from the preheated material in a current of inert gases comprising neutral oil vapors, extracting tar acids from the resulting gases and vapors and then subjecting the dephenolized residue to distillation.

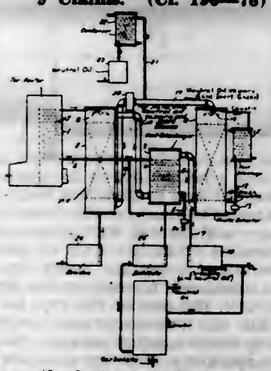
2,040,098
TREATMENT OF TAR
Stuart Parmelee Miller, Scarsdale, N. Y., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application January 23, 1931, Serial No. 510,638
Renewed January 22, 1936
16 Claims. (Cl. 260—154)

1. The method of treating tar-acid and neutral-oil-containing hydrocarbon material to recover therefrom both tar acids as carbolates and neutral oils as distillate, which comprises vaporizing tar acids and neutral oil constituents from the hydrocarbon material in an atmosphere of inert gases and neutral oil vapors, recovering tar acids from the resulting gases and vapors by direct contact with an alkaline reagent, cooling the resulting gases and vapors to condense part of the neutral oil vapors therefrom, and then using the resulting gases which contain neutral oil vapors for selective vaporization of tar acids from hydrocarbon material.

2,040,099
TREATMENT OF HYDROCARBON MATERIAL AND APPARATUS THEREFOR
Stuart Parmelee Miller, Englewood, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application February 11, 1931, Serial No. 514,964
1 Claim. (Cl. 260—154)

The method of recovering tar acids from a hydrocarbon material containing the same and neutral oils which comprises subjecting said hydrocarbon material heated to a temperature above its initial boiling point to successive intimate contacts in a plurality of separate stages with a plurality of streams of hot inert gases containing vapors of neutral oil constituents of said hydrocarbon material to effect a progressive removal of tar acids from said material, then separately bringing each of said streams of gases containing tar acid vapors into contact with one of a plurality of hot alkaline solutions at a temperature above the total condensation temperature of oil vapors in said gases to absorb the tar acid vapors, recycling the resulting streams of gases containing uncondensed neutral oil vapors in contact with the hot hydrocarbon material to selectively distill tar acids therefrom and separately drawing off the several carbolate solutions resulting from the aforesaid contact of the streams of gases containing tar acid vapors with the hot alkaline solutions.

2,040,100
TREATMENT OF TAR
Stuart Parmelee Miller, Englewood, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application March 23, 1931, Serial No. 524,616
Renewed November 4, 1932
9 Claims. (Cl. 196—76)

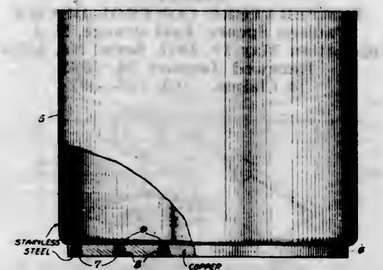


8. The method of treating tar which comprises passing an inert gas in contact with tar at an elevated temperature to vaporize tar acid and neutral oils therefrom, cooling the resulting mixture of gas and vapors to separate a condensate therefrom while leaving tar acids in vapor form, passing the uncondensed gas and vapors in contact with an alkaline solution supplied in amount in excess of that required for reaction with the tar acids in the vapors contacted therewith and employing the resulting alkaline carbolate solution for the extraction of tar acids from the aforesaid condensate.

2,040,101
TREATMENT OF TAR
Stuart Parmelee Miller, Englewood, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application August 5, 1932, Serial No. 627,658
18 Claims. (Cl. 260—154)

1. The method of selectively recovering tar acids from tar, which comprises bringing tar containing tar acids and an inert gas containing vapors of constituents of said tar other than tar acids into intimate contact with each other at a temperature of about 125° C. or higher to effect selective vaporization of tar acids from the tar, and passing admixed gases and vapors (including tar acid vapors) resulting from the treatment of the tar into intimate contact with a hot alkaline solution at a temperature at which the tar acid vapors are selectively removed from the admixed gases and vapors without removal of vapors of other constituents of the tar in amount in excess of that soluble in the carbolate solution resulting from the absorption of the tar acid vapors in said hot alkaline solution.

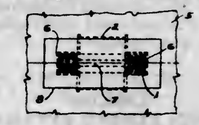
2,040,102
POT
Anthony Peron, New York, N. Y.
Application January 22, 1935, Serial No. 2,878
6 Claims. (Cl. 53—8)



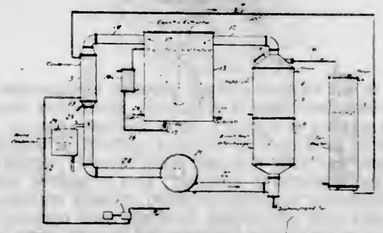
1. A pot of stainless steel, a heat collector of copper on the bottom of the same and preformed rivets of stainless steel for securing said copper heat collector to the bottom of said stainless steel pot, the heat collector having frustro conical openings disposed with the smaller ends toward the pot bottom and the rivets being of corresponding frustro conical shape, closely fitting in said openings and having their smaller ends welded to the pot bottom.

2,040,103
EDDY CURRENT MINIMIZER
Charles E. Prince, Kittery, Maine
Application July 7, 1924, Serial No. 734,226
2 Claims. (Cl. 175—338)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

2. In combination, a cyclically excited electromagnet having a vibratory armature and a conductive partition separating said electromagnet and said armature, said conductive partition being provided with apertures for receiving the poles of said electromagnet and having a slot extending between said apertures, and a gas and liquid-tight diaphragm of lesser thickness than said partition covering said slot and said apertures.

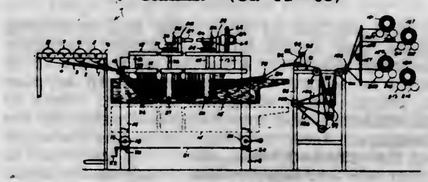


2,040,104
TAR TREATMENT
Arthur H. Radasch, Bloomfield, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application February 27, 1931, Serial No. 518,606
21 Claims. (Cl. 260—154)



1. The method of distilling tar acids and neutral oils from hydrocarbon material by heat interchange with a heating medium no hotter than 200° C. in a current of inert gases which comprises heating liquid tar-acid and neutral-oil containing hydrocarbon material, then passing inert gases including neutral oil vapors in intimate contact with the heated material and maintaining the gases and vapors leaving contact with the material at a temperature of 120° C. or higher by passing said heating medium in indirect heat interchange with said heated material while the inert gases are being passed in intimate contact therewith, cooling the resulting vapors to condense acid oils and extracting the vapors with caustic to form carbolate and recirculating at least a portion of the resulting neutral oil vapors in admixture with inert gases into renewed contact with said heated hydrocarbon material to further distill it.

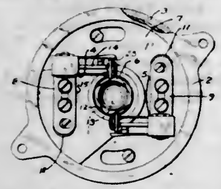
2,040,105
PROCESS AND APPARATUS FOR LATEXING CORDS
Norman J. Ritzert, Dayton, Ohio, assignor to The Dayton Rubber Mfg. Company, Dayton, Ohio, a corporation of Ohio
Application February 13, 1934, Serial No. 711,033
7 Claims. (Cl. 91—68)



1. The process of impregnating a cord having a plurality of strands with a liquid which consists in causing the cord to move longitudinally through a liquid bath under continuous uniform

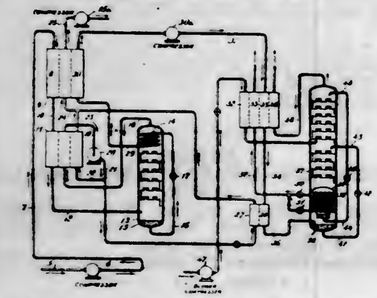
tension, causing the cord to be progressively and alternately flexed in opposite directions in the liquid to open the strands without stopping the cord movement and without reducing the tension on the cord as a whole, and thereafter compressing the cord in the liquid.

2,040,106
IGNITION TIMING APPARATUS
John J. Rose, Dayton, Ohio
Application October 8, 1931, Serial No. 567,602
24 Claims. (Cl. 200—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



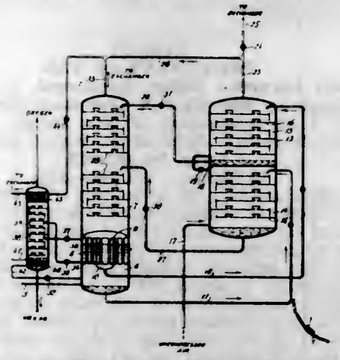
1. In an electric circuit breaker mechanism of the class described, a relatively stationary member carrying a contact, said member having an opening provided in the end thereof, a movable member carrying a cooperating contact supported by said stationary member, and a spacer block of insulating material molded to said stationary member and projecting through said opening to form an integral unit adapted for spacing and insulating said movable contact carrying member from said relatively stationary member.

2,040,107
METHOD FOR THE SEPARATION AND RECOVERY OF KRYPTON AND XENON FROM GASEOUS MIXTURES CONTAINING THEM
Joseph L. Schlitt, Darien, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application April 9, 1935, Serial No. 15,403
2 Claims. (Cl. 62—175.5)



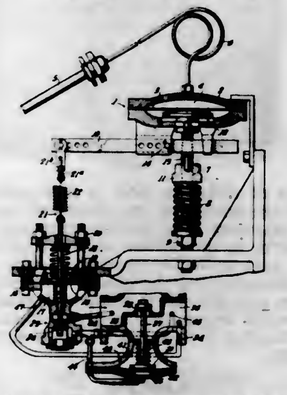
1. The method of separating and recovering krypton and xenon from air which comprises liquefying selectively a portion of the air to be treated to secure a liquid enriched in krypton and xenon, evaporating the liquid to effect by heat exchange the selective liquefaction of the incoming air, recompressing and cooling the vapor from the enriched liquid, subjecting the vapor to further selective liquefaction, rectifying the liquid products with the addition of a relatively large volume of unseparated air, and withdrawing the liquid product of the rectification consisting essentially of krypton and xenon.

2,040,108
RECOVERY OF KRYPTON AND XENON
Joseph L. Schlitt, Darien, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application April 11, 1935, Serial No. 15,799
4 Claims. (Cl. 62—175.5)



1. The method of separating and recovering krypton and xenon from the atmosphere which comprises, separating the air initially into liquid fractions each enriched in one of the major constituents of air, washing volumes of air relatively large with respect to said liquid fractions with said liquid fractions to produce liquids enriched in krypton and xenon, rectifying the liquids with vapors produced therefrom and thereby accumulating a liquid containing substantially all of the krypton and xenon from the air treated.

2,040,109
TEMPERATURE CONTROL DEVICE
Paulsen Spence, East Orange, N. J.
Application May 19, 1931, Serial No. 538,430
Renewed January 26, 1935
10 Claims. (Cl. 236—80)



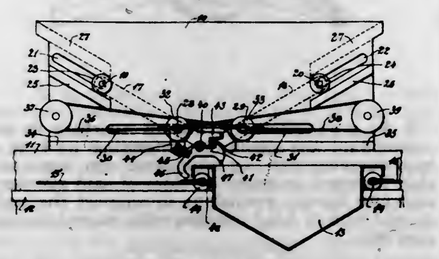
7. An automatic pressure reducing valve comprising a main valve, pressure actuated means for actuating said main valve, fluid conducting means for conducting pressure fluid on one side of said pressure actuated means, an automatic pilot valve for controlling the passage of fluid through said conducting means, means for conducting pressure fluid from the outlet side of said main valve to said pilot valve for actuating the same in one direction, loading means for actuating said pilot valve in the opposite direction, and thermostatic means for altering the loading of said pilot valve independently of the pressure on the outlet side of said main valve so as to change the fluid pressure on the outlet side of said main valve.

2,040,110
BUILDING AND LOG CONSTRUCTION
Carl Tahvonen and Royale A. Wright, Grayling, Mich., assignors to National Log Construction Co., Grayling, Mich., a corporation of Michigan
Application September 15, 1933, Serial No. 689,544
14 Claims. (Cl. 20—1)



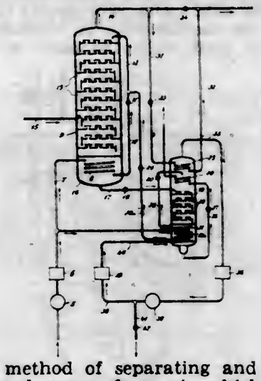
1. A wall member for buildings comprising a wooden log formed with an axial bore extending longitudinally thereof throughout a major portion of its length, the bore leading from one end of the log and terminating short of the opposite end to provide a solid end zone to the log.

2,040,111
HOPPER
Herbert W. Thornburg, South Milwaukee, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application January 19, 1933, Serial No. 652,488
Renewed April 5, 1934
8 Claims. (Cl. 214—42)



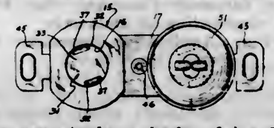
1. In an earth-handling apparatus, the combination of: a traveling car, having an upwardly projecting portion for engagement with downwardly projecting portions on the hereinafter mentioned catch; a longitudinal member on which the car travels; a hopper, mounted on the longitudinal member above the travel of the car; sliding doors on the hopper, said doors being slidable diagonally divergently upward to open said hopper, one of said doors having a portion overlapping the other of said doors; a pivoted catch on one of the doors, said catch having a portion to hook it to the other of said doors, and having two downwardly projecting portions; and means constraining the two doors to symmetrical operation; the whole being so proportioned and arranged that the car, while moving into filling position beneath the hopper, will engage one of the projecting portions of the catch, thus uncatching and then opening the doors, and that the car, while leaving the filling position, will engage the other of the projecting portions of the catch, thus closing and then locking the doors.

2,040,112
METHOD FOR THE SEPARATION AND RECOVERY OF KRYPTON AND XENON FROM GASEOUS MIXTURES CONTAINING THEM
Claude C. Van Nuys, Cranford, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application April 5, 1935, Serial No. 14,789
2 Claims. (Cl. 62—175.5)



1. The method of separating and recovering krypton and xenon from air which comprises liquefying a portion of the air to be treated, washing a substantially larger volume of air with the liquid air to produce a liquid concentrate containing krypton and xenon in proportions exceeding those present in liquid air, rectifying the liquid concentrate to further enrich the liquid in krypton and xenon, and maintaining the refrigeration in the rectification by condensing a portion of the vapors produced therein in indirect contact with cold vapors resulting from expansion of the liquid product.

2,040,113
RECEPTACLE FOR ATTACHMENT PLUG CAPS
Charles Theodore Von Holtz, Bridgeport, Conn., assignor to Harvey Hubbell, Incorporated, Bridgeport, Conn., a corporation of Connecticut
Application November 25, 1933, Serial No. 699,765
17 Claims. (Cl. 173—330)

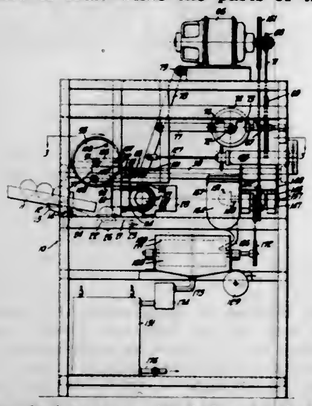


1. In a receptacle, a body of insulating material, contacts in said body to be engaged by the straight parallel contact blades of a standard attachment plug cap, and means whereby on the blades of a standard cap being inserted into said receptacle in their normal parallel relation and said cap given a partial turn without moving the blades from their normal positions, means is forced against one of the blades of the cap to frictionally secure the cap to the receptacle.

2,040,114
FRUIT JUICE EXTRACTING MACHINE
Harold F. Watkins, Oakland, Calif., assignor to Watkins Fruit Machinery Company, San Francisco, Calif., a corporation of California
Application May 31, 1933, Serial No. 673,585
7 Claims. (Cl. 146—3)

1. In a fruit juice extractor, a pair of spaced rotary burrs, a carriage adapted to reciprocate

toward and away from said burrs, a pair of fruit handling devices supported by said carriage, each of said handling devices including a pair of parts slidably connected together, a vacuum cup carried by one of said parts, and a pivotal connection between the other of said parts and said carriage, actuating means for simultaneously reciprocating said carriage and for effecting predetermined cyclic movements of said fruit handling devices, said cyclic movements comprising presenting the vacuum cups on opposite sides of an article of fruit while the parts of the fruit



handling devices are extended, retention of the vacuum cups in such position while the carriage is moved towards the burrs, movement of the vacuum cups away from each other, swinging of the vacuum cups about the pivotal connection of said devices to said carriage to positions in alinement with said burrs, and the returning of said vacuum cups to said first mentioned positions following a juicing operation, and means serving to successively present and halve articles of fruit for engagement by said vacuum cups.

2,040,115

STABLE BITUMINOUS EMULSIONS AND METHOD OF PREPARING THE SAME

Vilas E. Watts, San Francisco, Calif., assignor to American Bitumuls Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application November 1, 1932, Serial No. 640,665

10 Claims. (Cl. 134—1)

1. The method of stabilizing fluid, quick-breaking bituminous emulsions which comprises mixing alkali metal caseinate with the said emulsions, then adding an acid to bring the alkalinity of the emulsion to approximately pH 8.5 and thus prolong the stabilizing action of the caseinate, and finally adding a preservative for the casein.

2,040,116

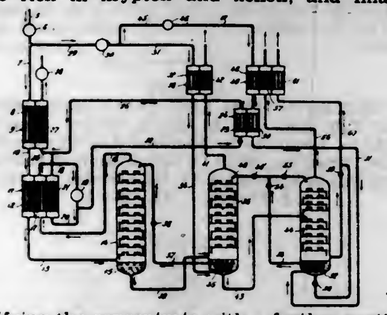
METHOD FOR THE SEPARATION AND RECOVERY OF KRYPTON AND XENON FROM GASEOUS MIXTURES CONTAINING THEM

Walter Wilkinson, Rye, N. Y., and Joseph L. Schlitt, Darien, Conn., assignors to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application June 11, 1935, Serial No. 26,000

5 Claims. (Cl. 62—175.5)

1. The method of separating and recovering krypton and xenon from air which comprises subjecting a portion of the incoming air to liquefaction and rectification in a plurality of steps, rejecting in each step the unliquefied portion of the air treated and producing thereby a concentrate rich in krypton and xenon, and finally



rectifying the concentrate with a further portion of the air, thereby enriching the concentrate in krypton and xenon.

2,040,117

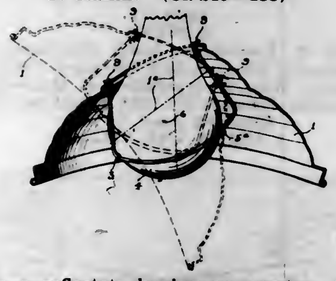
REFLECTOR

Wesley Wilson, Chicago, Ill., assignor to Wilson Lighting, Inc., Chicago, Ill., a corporation of Illinois

Application May 8, 1933, Serial No. 669,848

Renewed October 5, 1935

17 Claims. (Cl. 240—138)



8. In a reflectotr having an aperture to accommodate the upwardly extending neck of a bulb therethrough, an adjustable clip demountably fastened between the sides of said aperture, said clip having provisions to support the neck of said bulb in fixed relation with respect to said aperture.

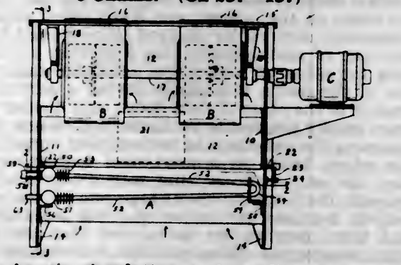
2,040,118

AIR CIRCULATING AND CONDITIONING DEVICE

Fred M. Young, Racine, Wis., assignor to Young Radiator Company, Racine, Wis.

Application July 19, 1935, Serial No. 32,179

6 Claims. (Cl. 257—137)



2. An air circulating and conditioning device of the class described, comprising an enclosure

having means at one end to force air therethrough and a heat exchange core at the other end occupying the entire path of the air, a fresh air inlet positioned between said air moving means and said core, having a damper for the width of said cabinet and means whereby a predetermined quantity of fresh air may be admitted and discharged over the entire length of said damper, said core having means whereby a narrow portion thereof, parallel to said damper, will first be affected by the heating or cooling medium and said affected portion will be gradually widened to thereby regulate the extent of heat transfer, as the medium is increased.

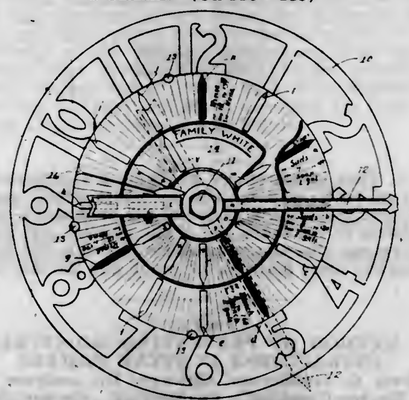
2,040,119

DIAL CHECKED CHART

Howard F. Baxter, Grand Rapids, Mich., assignor to Baxter Laundries Corporation, Grand Rapids, Mich., a corporation of Michigan

Application November 12, 1934, Serial No. 752,663

2 Claims. (Cl. 116—133)



1. In a device of the class described: a dial bearing circularly arranged clock indicia and having a central spindle; a pointer manually rotatable on the spindle; a flexible disc chart having a central aperture and a slit of less width than the diameter of the spindle extending from the disc's circumferential edge to its said aperture adapting the chart to be slid onto the face of the dial under the pointer to a position wherein said aperture receives the spindle, the chart having angularly spaced peripheral portions for indicating thereon operations to be performed in timed sequence and movable into registration with said indicia by rotating the chart, the dial having clips located at the same side of a diameter of the dial and extending over the chart's circumferential edge for holding the same against accidental rotation.

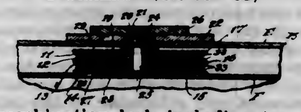
2,040,120

COMBINATION LOCK

Peter Bolis, West Orange, N. J.

Application May 24, 1934, Serial No. 727,241

4 Claims. (Cl. 70—53)



1. A combination lock including two pairs of coaxial relatively rotatable discs, each disc having a recess to aline with the recesses of the other discs when the discs are in a predetermined relation, the discs of each pair having respectively a coaxial arcuate slot and a stud in said slot to permit movement of the discs of the respective pairs selectively relatively and together, a rotatable operating sleeve connected to one disc of one pair, and a rotatable operating pin within said sleeve connected to one disc of the other pair, whereby said recesses in the discs can be alined by relative rotation of said sleeve and pin.

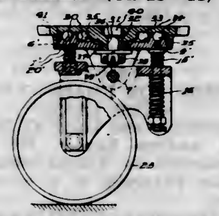
2,040,121

SHOCK ABSORBING CASTER

James Bowen, Manheim, Pa., assignor to Charles Bond, Philadelphia, Pa.

Application April 10, 1935, Serial No. 15,557

3 Claims. (Cl. 16—44)



3. A shock absorbing caster comprising a bearing plate, a base plate rotatable relatively thereto about a vertical axis, antifriction means interposed between the plates, means for maintaining the plates in assembled relation, a pair of depending lugs carried by the base plate, a pivot pin extending transversely through the lugs in substantial parallelism with the base plate, a wheel-carrying fork mounted on the pivot pin for pivotal movement thereabout relatively to the lugs and base plate, pairs of springs interposed between the fork and base plate and oppositely disposed with respect to the pivot pin, a pair of studs carried by the base plate extending downwardly therefrom respectively through one pair of springs and through the fork, a spring surrounding each stud on the opposite side of the fork from the base plate, and means for maintaining bearing relation between the respective studs and the last mentioned springs.

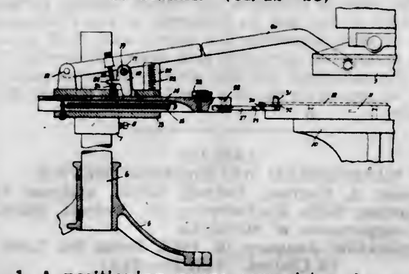
2,040,122

POSITIONING GAUGE

William C. Card, Jr., Winthrop, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y., a corporation of Delaware

Application January 4, 1934, Serial No. 705,179

20 Claims. (Cl. 12—25)



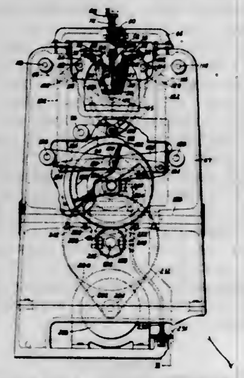
1. A positioning gauge comprising, in combination, opposed arms each having means to engage a sole to be positioned and means to engage a pattern with reference to which said sole is

to be positioned, a mounting for said arms movable to effect engagement between said pattern engaging means and a pattern, and means for holding said mounting in such position.

2,040,123
SEPARATION OF DINITROBENZENE ISOMERS
Harold W. Coward, Kenmore, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application July 29, 1935, Serial No. 33,662
7 Claims. (Cl. 260—142)

1. The method of removing isomeric dinitrobenzene from a mixture of meta-dinitrobenzene therewith, which comprises subjecting the dinitrobenzene mixture in solid phase to the action of an aqueous sulfite.

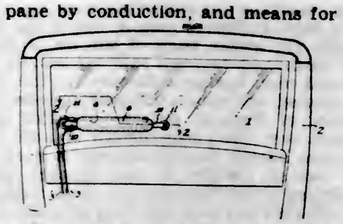
2,040,124
MACHINE FOR SHAPING UPPERS OVER LASTS
Roy W. Cummings and Lloyd G. Knowles, Beverly, and Andrew Eppler, Jr., Swampscott, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 14, 1933, Serial No. 702,412
43 Claims. (Cl. 12—7)



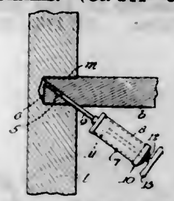
1. In a lasting machine, a device arranged to act frictionally on an upper mounted on a last, power-operated mechanism for effecting automatically predetermined relative movement of said device and the last in a direction heightwise of the last to conform the upper tightly to the contour of the last in response to the frictional pull of said device on the upper, and fluid pressure means for operating said device thereafter to lay the marginal portion of the upper inwardly over an insole on the last and to press it upon the insole.

2,040,125
WINDSHIELD DEFROSTING DEVICE
Herbert A. Cutting, Detroit, Mich., assignor to Cutting Sales Engineering Co., Detroit, Mich., a corporation of Michigan
Application January 16, 1935, Serial No. 1,998
15 Claims. (Cl. 20—40.5)

1. A defrosting device comprising a fluid conduit, manually attachable and removable means for retaining said conduit in conductive contact with a window pane whereby heat is transferred to said pane by conduction, and means for conducting a flow of heated fluid through said conduit.

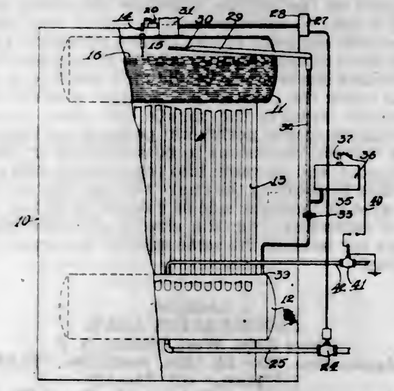


2,040,126
METHOD OF REGLUING TENON AND MORTISE JOINTS
Fred H. Grieve, Corning, Calif.
Application June 17, 1935, Serial No. 26,915
3 Claims. (Cl. 144—309)



1. That improvement in regluing a joint made up of tenon and mortise members which comprises first forming in one of the members a hole leading to the inner end of the mortise and then directing glue under pressure through the hole into the space between the tenon and the mortise.

2,040,127
METHOD OF PREVENTING MOISTURE ENTRAINMENT IN STEAM BOILERS
Lewis O. Gunderson, Chicago, Ill., assignor to Electro-Chemical Engineering Corporation, Chicago, Ill., a corporation of Delaware
Application February 23, 1934, Serial No. 712,541
18 Claims. (Cl. 122—379)



1. The method of reducing the entrainment of moisture in the steam from boilers using effervescing water, which comprises introducing a substance into the boiler to reduce the surface tension of the water therein and controlling the introduction of said substance by the accumulation of liquid from the moisture entrained in the steam from said boiler.

2,040,128
BURIAL VAULT
Wilbert W. Haase, Forest Park, Ill., assignor to Wilbert W. Haase Co., Forest Park, Ill., a corporation of Illinois
Application February 7, 1934, Serial No. 710,139
3 Claims. (Cl. 72—7)



1. A burial vault comprising, a base member and a cover member therefor, said members having edge portions arranged to register upon assembly and to form a sealed joint, the cover member including a concrete portion of slab-like form extending between and terminating at the edge portions of the cover, the thickness of said slab-like portion being varied inversely proportional to the increase in distance from the nearest edge portion, and an extended tapered guide element integral with said cover member whereby the base and cover members are registered as an incident to assembly.

2,040,129
PLANOGRAPHIC PRINTING PLATE
William T. Hagelin, Cleveland, Ohio, assignor to Multigraph Company, Wilmington, Del., a corporation of Delaware
Application May 26, 1934, Serial No. 727,671
2 Claims. (Cl. 101—401.1)

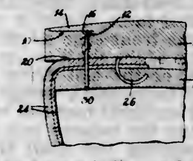


1. A planographic printing plate having a metallic printing surface consisting of a multiplicity of depressions bounded by prominences generally rounded in cross-sectional contour and substantially free from sharp apices, said depressions and prominences extending in a general longitudinal direction the prominences at opposite sides of the depressions being generally greater in height than the prominences at the ends of the depressions.

2,040,130
PROCESS OF PREPARING 3-METHYLAL-n-PENTANE
Paul Halbig and Felix Kaufler, Munich, Germany, assignors to Dr. Alexander Wacker Gesellschaft für Elektrochemische Industrie G. m. b. H., Munich, Germany, a corporation
No Drawing. Application March 31, 1933, Serial No. 663,850. In Germany April 12, 1932
9 Claims. (Cl. 260—141)

1. Process comprising subjecting butyraldehyde and acetaldehyde to aldol condensation, dehydrating the condensation reaction mixture to obtain unsaturated aldehydes, hydrogenating the unsaturated aldehydes, and recovering 3-methylal-n-pentane.

2,040,131
MANUFACTURE OF SHOES AND SHOE SOLES
Alfred E. C. Hall, Webster Groves, Mo., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 13, 1934, Serial No. 757,363
11 Claims. (Cl. 12—142)



1. That improvement in methods of making shoes which consists in cutting outer and inner marginal channels in an outsole thereby forming outer and inner channel flaps, raising said flaps to open said channels, securing said outsole to a shoe by means of stitches laid in said inner channel, laying said inner channel flap to overlie said stitches, and covering that portion of said inner flap which overlies said stitches by means of said outer flap.

4. A shoe comprising an outsole having outer and inner channels forming, respectively, outer and inner channel flaps, an insole, an upper having its margin interposed between the insole and the outsole, and through-and-through stitches lying in said inner channel and extending through the outsole, the upper and the insole, said stitches being covered by said inner flap and said inner flap being, in turn, entirely covered by said outer flap.

11. A shoe sole having a peripherally-extending channel forming an outer channel flap, and a second peripherally-extending channel sloping transversely inwardly and away from said first channel and forming an inner channel flap adapted to cover stitches laid in said second channel and to be, in turn, covered entirely by said outer flap.

2,040,132
HOCKEY STICK
Zachariah Adam Hall, Guelph, Ontario, Canada
Application August 15, 1932, Serial No. 628,805
7 Claims. (Cl. 273—67)

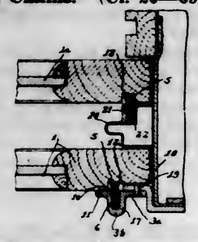


1. A hockey stick comprising a shaft and a blade integrally formed, the blade extending at an angle to the shaft, a channel extending in-

wardly from the free end of the shaft and an insert constituting an essential part of the shaft entered in the channel and secured to the sides thereof and provided with a perforation for improving the balance of the stick by decreasing the weight of the shaft.

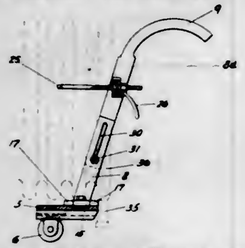
2. A hockey stick comprising an integrally formed shaft and head sawn out of a flat billet bent to the required shape, the shaft having substantially parallel faces, a slot in the shaft extending from the front edge to the rear thereof and from the top of the shaft to the throat of the stick, the sides of the slot being substantially parallel to said faces and a wedge shaped filler member having an upper butt end wider than the slot for adjusting the balance and weight of the shaft and expanding the shaft to the desired width secured in and filling said slot.

2,040,133
RETAINER FOR WEATHER STRIP
David H. Harnly, Chicago, Ill.
Application December 31, 1934, Serial No. 759,914
4 Claims. (Cl. 20—69)



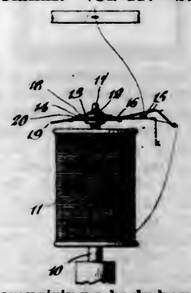
1. In a weather proofing structure, a retainer having an attaching flange and a groove and a flange beyond said groove, a weather strip inserted in said groove by an endwise movement, said retainer and weather strip having interfitting parts spaced inwardly from the outer edge of said groove and concealed therein for preventing lateral displacement of said weather strip.

2,040,134
HANDLING ATTACHMENT FOR RADIATORS AND THE LIKE
Frank P. Heller, Reading, Pa.
Application February 6, 1935, Serial No. 5,238
1 Claim. (Cl. 280—34)



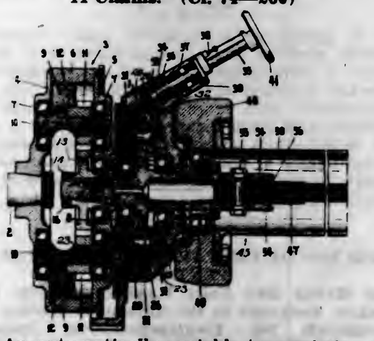
A handling device for radiators comprising a pair of lengthwise adjustable lifting arms spaced to receive the end of a radiator, a connecting bottom platform for said arms adapted to engage beneath a radiator against the inner face of the supporting legs of an end section of the latter and having trundling rollers intermediate its width and forward of the arm connections thereto, a cross-tie arm intermediate the length of said lifting arms adapted to engage against the outer face of said radiator section, and a T-headed tie bolt secured in said cross-tie arm and adapted to engage a radiator section midway of the width of the latter, whereby said platform is held in horizontal position beneath the radiator.

2,040,135
FLYER FOR SPINNING MACHINES
Henry C. Herr, Buffalo, N. Y., assignor to Herr Manufacturing Company, Inc., Buffalo, N. Y., a corporation of New York
Application December 3, 1934, Serial No. 755,705
5 Claims. (Cl. 117—26.5)



1. A flyer, comprising a body having a flyer wire projecting from one side thereof and an attaching loop in its opposite side, and an element for counter-balancing the weight of the flyer wire projecting from such opposite side of the body, said counter-balancing element being shaped from wire and having its inner end shaped to provide an outwardly-facing attaching leg engaging said loop.

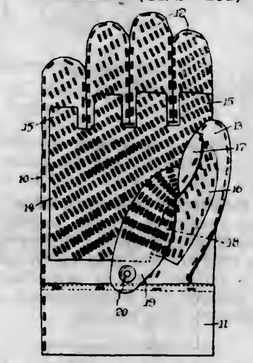
2,040,136
AUTOMATICALLY VARIABLE TRANSMISSION GEAR PARTICULARLY FOR MOTOR VEHICLES
Howard Frederick Hobbs, Paradise, South Australia, Australia
Application June 27, 1931, Serial No. 547,352. Renewed December 15, 1934. In Australia September 2, 1930
11 Claims. (Cl. 74—260)



1. An automatically variable transmission gear comprising a driving shaft, one set only of planetary masses carried by the driving shaft, an intermediate shaft, a sun wheel mounted on the intermediate shaft pinions connected with the set of masses and in gear with the sun wheel whereby the intermediate shaft is actuated by the centrifugal impulses of the masses, a clutch device co-operating with the intermediate member to prevent it from rotating in a direction

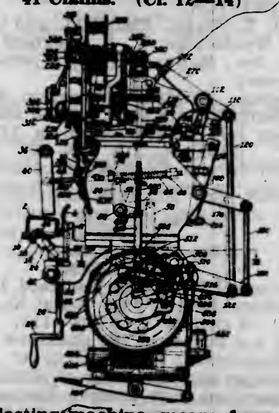
other than the desired direction, a driven shaft, a laminated spring connected at one end to the intermediate shaft and at its other end to the driven shaft, and at least one flywheel attached to the said spring intermediate the ends thereof.

2,040,137
GLOVE
Karl E. Jensen, Danville, Ill., assignor, by mesne assignments, to Industrial Gloves Corporation, Danville, Ill., a corporation of Delaware
Application May 26, 1934, Serial No. 727,660
5 Claims. (Cl. 2—161)



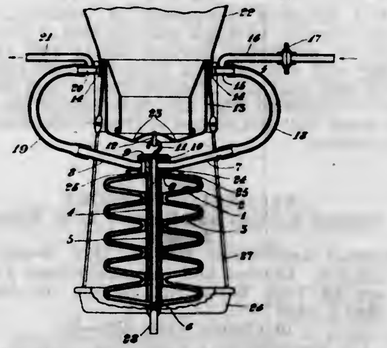
1. In a glove, the combination of a protective covering having a hand portion and a stall for a digit extending therefrom, a reinforcing member extending across the crotch between said hand portion and said stall, and means near the opposite ends of said member for detachably securing said member to the covering in crotch reinforcing position to permit replacement of said member when worn.

2,040,138
METHOD AND MACHINE FOR USE IN LASTING SHOES
Bernhardt Jorgensen, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application October 29, 1934, Serial No. 750,413
41 Claims. (Cl. 12—14)



6. In a lasting machine, means for gathering the margin of an end portion of an upper over the bottom of a last, means for applying a binder in position to hold the gathered margin of the upper, and additional means movable to force the ends of the binder into the shoe toward the bottom face of the last to fasten the binder in upper-holding position.

2,040,139
MILK COOLER
Edvin Allan Karlsson, Soderkoping, Sweden, assignor to Carl Elis Ellison, Norrkoping, Sweden
Application February 26, 1935, Serial No. 8,295
In Sweden February 28, 1934
5 Claims. (Cl. 257—179)



2. A milk cooler, comprising in combination a shell having transverse corrugations, a second shell inserted within the first-named shell and having a substantially corresponding shape, said two shells forming a passage for a cooling medium, means for heat insulating the inner surface of said inner shell from the outside air, and a water inlet tube extending from the top of the cooler and communicating with said passage at the lower end of the cooler, said tube being located centrally in the cooler and being heat insulated from said inner shell.

2,040,140
METHOD OF WELDING TUBULAR CONNECTERS
Alexander Kidd, Allwood, N. J., assignor to M. W. Kellogg Company, New York, N. Y., a corporation of Delaware
Application August 1, 1934, Serial No. 737,867
5 Claims. (Cl. 29—148.2)



1. The process of welding tubular connecters to the walls of pressure vessels which comprises perforating the vessel to form a hole therein of a diameter substantially equal to the diameter of the passageway in said connecter, chamfering the outside face of the vessel wall around said hole to form thereon a short projection adjacent the walls of said hole, reducing the end of the connecter to form a projection thereon adjacent the inner walls thereof, the inner and outer diameters of the first of said projections being substantially the same as the inner and outer diameters of the second of said projections, positioning said connecter on the vessel wall with said second projection on said first projection whereby the inner walls of said connecter are in line with the walls

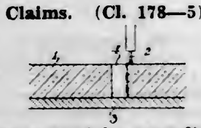
of said hole, and depositing fusing weld metal between the end of said connecter and the vessel wall to weld the end of said connecter and the vessel wall together.

2,040,141
HANDBAG
Clifford G. King, Providence, R. I.
Application February 15, 1936, Serial No. 63,991
2 Claims. (Cl. 150—29)



1. A handbag comprising in combination a frame member having a wall provided at one edge with an outwardly directed flange and at the other with a plurality of spaced tongues integral with said wall and directed toward said flange, and a channeled inlay having sockets offset from its inner wall and spaced to receive said tongues, respectively.

2,040,142
RECORDING SUPPORT
Wilhelm Koreska and Richard Lant, Vienna, Austria
Original application May 2, 1933, Serial No. 668,919. Divided and this application February 10, 1934, Serial No. 710,640. In Austria May 7, 1932
10 Claims. (Cl. 178—5)



1. A recording support for recording controlled spark discharges passing through the said support, which has a thickness smaller than about 0.1 mm. and a dielectric strength between about 300 volts per 0.05 mm. and about 40 volts per 0.05 mm.

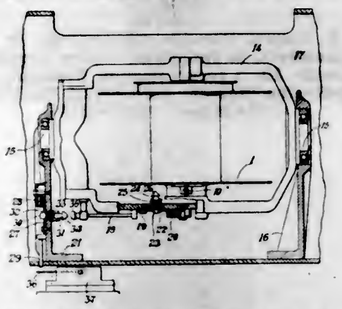
2,040,143
METHOD OF MAKING AN ARCH SUPPORT
Stephen Kubecek, Philadelphia, Pa.
Application March 2, 1935, Serial No. 9,003
3 Claims. (Cl. 12—146)



1. The method of making an arch support consisting in molding a soaked sheet of rawhide to the required form, treating the molded rawhide with an adhesive material while still absorptive, and applying a finishing coating to the treated surface.

2,040,144
MEANS FOR AUTOMATICALLY STOPPING MACHINES WHEREIN MATERIAL IS UNWOUND FROM A HOLDER
John Hamilton Larmuth, Hill Crest, Upper Colwyn Bay, North Wales
Application November 22, 1934, Serial No. 754,198. In Great Britain November 28, 1933
4 Claims. (Cl. 117—51)

1. In a machine comprising a rotating holder from which material is uncoiled, a differently rotating part on which the holder is mounted, and a locally stationary trip motion, an automatic stopping means comprising in combination a spring-loaded feeler provided on the rotating holder and moving into an active position when released by the uncoiling of the material, a spring loaded catch pin which is slidably mounted



on the said differently rotating part and is tripped by the said feeler, a spring loaded slide rod which is also mounted on the differently rotating part and is held by the said catch pin until the catch pin is tripped but is projected when the said pin is tripped for impingement against the locally stationary trip motion.

2,040,145
β-METHYLCHOLINE DERIVATIVES AND SALTS AND PROCESSES FOR THEIR PRODUCTION
Randolph T. Major, Mountainside, and Joseph K. Cline, Woodbridge, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application August 12, 1932, Serial No. 628,549
2 Claims. (Cl. 260—25)

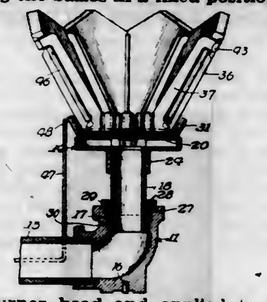
1. β-methylcholine chloride substantially free from the alpha isomer.

2,040,146
β-METHYLCHOLINE DERIVATIVES AND SALTS AND PROCESSES FOR THEIR PREPARATION
Randolph T. Major, Plainfield, and Joseph K. Cline, Woodbridge, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Original application August 12, 1932, Serial No. 628,549. Divided and this application July 3, 1934, Serial No. 733,604
6 Claims. (Cl. 260—25)

1. Lower fatty acyl derivatives of beta-methylcholine chloride, substantially free from the alpha isomer.

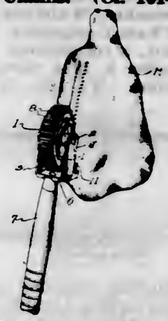
2,040,147
GAS BURNER
Garnet W. McKee, Rockford, Ill.
Application July 25, 1932, Serial No. 624,422
8 Claims. (Cl. 158—113)

1. In a gas burner of the character described, the combination of a hollow burner head provided with an annular series of discharge ports in the marginal part thereof, means for supplying a mixture of gas and air to the head for discharge via the ports, radiant baffles resting on the head inwardly of the ports and positioned in an annular series and so that they extend upwardly and outwardly, and bracket-means for supporting the baffles in a fixed position mounted



on the burner head and applied to the upper ends of the baffles.

2,040,148
METHOD OF MARKING MEATS
Harry Henry McKee, Chicago, Ill., assignor to Swift and Company, Chicago, Ill., a corporation of Illinois
Application December 21, 1929, Serial No. 415,838
8 Claims. (Cl. 101—32)



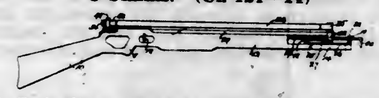
1. The method of marking edible carcasses from which the hide, skin or hair has been removed which consists in puncturing into and below the surface of the carcass a plurality of like identifying marks arranged in successive order transversely of the lines on which the meat is customarily cut for retailing substantially as and for the purpose described; said marks being of a color contrasting with the color of the surface of the said carcass.

2,040,149
METHOD OF BRANDING LAMB AND THE LIKE
Harry H. McKee, Chicago, Ill., assignor to Swift and Company, Chicago, Ill., a corporation of Illinois
Original application April 12, 1930, Serial No. 443,765. Divided and this application July 31, 1931, Serial No. 554,197
3 Claims. (Cl. 101—32)



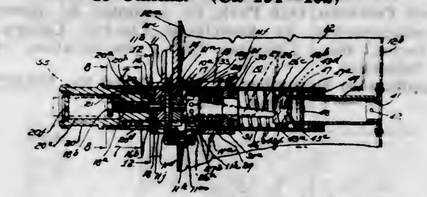
1. In the packing industry, the method of marking edible carcasses or parts thereof, having a surface covering such as fell or the like, which consists in positively injecting pigment beneath the surface covering of fell in dotted arrangement according to a chosen design of brand.

2,040,150
SLING GUN
Cathey C. Merrill, Buntyn, Tenn.
Application April 25, 1935, Serial No. 18,109
5 Claims. (Cl. 124—14)



1. In a sling gun, the combination with missile propelling means including a missile loop, of a pair of jaws adapted to be moved rearwardly and inwardly into contact with opposite sides of said loop forwardly of a missile disposed in said loop, fixed means converging rearwardly for slidably supporting and guiding said jaws against opposite sides of said loop, means for moving said jaws rearwardly into engagement with said loop, and means for holding said jaws in retracted position, manually operable for releasing said jaws.

2,040,151
COIN SELECTOR
Emmett B. Moore, Evanston, Ill.
Application May 5, 1934, Serial No. 724,043
13 Claims. (Cl. 194—102)

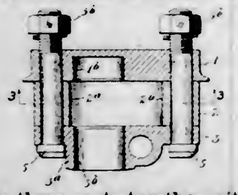


1. In a device of the character described, a coin transfer member reciprocably movable in a predetermined range, and having a coin-receiving opening, means normally blocking movement of said transfer member during a portion of its range of movement, and measuring means carried by the transfer member and adapted to engage both sides of a coin adjacent its center while it reposes in said opening, the coin-engaging portions of said means being spaced apart a distance greater than the thickness of the coin and being movable into contactual engagement with said coin during an initial portion of movement of said transfer member, and said measuring means being movable in response to a predetermined thickness of a coin for reacting on said blocking means, during such initial movement of the transfer member, for rendering said blocking means ineffective, and permitting maximum reciprocable movement of said transfer member.

2,040,152
METHOD OF FABRICATING CASING STRUCTURES FOR SHOCK ABSORBERS AND THE LIKE
Gordon B. Pennington, Grosse Pointe, Mich., assignor to Pennington Engineering Company, Cleveland, Ohio, a corporation of Ohio
Original application November 20, 1930, Serial No. 496,909, now Patent No. 2,009,677, dated July 30, 1935. Divided and this application July 1, 1935, Serial No. 29,185
3 Claims. (Cl. 29—152)

1. The method of machining the casing of a vane-type shock absorber or the like having front and rear wall parts with plane surfaces to engage the sides of the vane and with a shaft-bearing aperture in at least one of said parts, an inter-

mediate part having concentric surfaces to engage the hub and outer periphery, respectively, of the vane and plane front and rear surfaces to engage the front and rear wall parts, and dowels engaging the three casing parts, the said method comprising forming the concentric surfaces of the intermediate part and the bearing aperture or apertures of the front and rear parts,



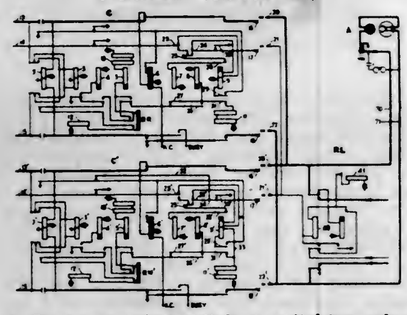
securing the three parts together with the bearing aperture or apertures in axial alignment with the concentric surfaces of the intermediate part, and while the three parts are so secured accurately forming aligning dowel holes in all three parts.

2,040,153

AUTOMATIC TELEPHONE SYSTEM

Seth Peterson, Oak Park, Ill., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application December 31, 1934, Serial No. 759,823
7 Claims. (Cl. 179—18)



1. In a connector switch, a switching relay, a stepping magnet for setting the connector on a called line, means for energizing said switching relay, and means for deenergizing the said switching relay if the stepping magnet is reoperated at a time when the switching relay has not completed its operation.

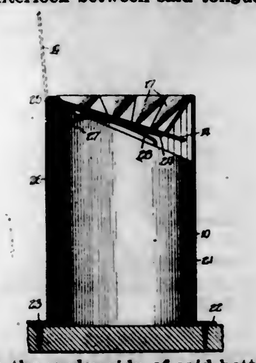
2,040,154

CARTON SETTING-UP DEVICE

Henry K. Powell, Chicago, Ill., assignor to Morris Paper Mills, Chicago, Ill., a corporation of Illinois

Application March 14, 1935, Serial No. 11,173
6 Claims. (Cl. 93—36)

1. A device for setting up a collapsible fiber container of the type having a tubular body portion, a bottom member adapted to be pressed upwardly within said body portion, and tongue and slot means on said body portion and said bottom member for forming a releasable interlock from the under side of said bottom member when the latter is within said body portion, comprising a tapered tubular member for entering said body portion and maintaining the same in set-up condition, and means within said tubular member for moving a bottom member for a container with respect to the body portion thereof and for producing an interlock between said tongue and slot



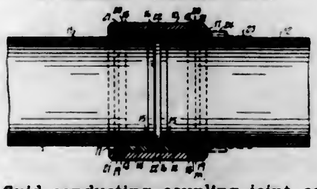
means from the under side of said bottom member.

2,040,155

COUPLING JOINT FOR TUBES, ETC.

Richard W. Shoemaker, Waterbury, Conn., assignor to The Chase Companies, Incorporated, Waterbury, Conn., a corporation

Application December 8, 1934, Serial No. 756,593
10 Claims. (Cl. 285—193)



1. A fluid-conducting coupling-joint comprising: a first-member having a transverse coupling-shoulder in its interior; a second-member adapted to telescopically interfit with the said first-member and having a transverse coupling-shoulder oppositely facing with respect to the coupling-shoulder of the said first-member; and a laterally-shiftable coupling-member having a beveled edge and normally interposed between the respective coupling-shoulders of the two said members and disengageable from one of the said coupling-shoulders to release the two said members by being moved in a substantially-radial direction; the beveled edge of the said laterally-shiftable coupling-member being accessible for being moved as described by an instrument movable between the two said telescoped members.

2,040,156

SHOCKPROOF X-RAY TUBE

Charles Morse Slack, Glen Ridge, and Alfred H. Laidig, Bloomfield, N. J., assignors to Westinghouse Lamp Company, a corporation of Pennsylvania

Application November 30, 1934, Serial No. 755,332
6 Claims. (Cl. 250—35)



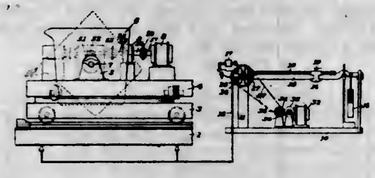
1. A shockproof X-ray apparatus comprising an X-ray tube having an envelope provided with oppositely disposed reentrant stems, electrode terminals carried by said envelope at the innermost extremities of said reentrant stems, an X-ray opaque metallic housing surrounding said tube and provided with an X-ray pervious window in alignment with the ray projecting portion of said envelope, and means connected to said housing to ground the latter and provided with portions extending into said housing and connected to said electrode terminals for the purpose of supplying electrical energy thereto and for insulatingly supporting said X-ray tube and housing to enable rotation of said tube and housing as a unit to various inclinations about said means, and to prevent the formation of corona or a discharge between said electrode terminals during operation of said tube.

2,040,157

MECHANISM FOR DELIVERING MATERIAL

Edward B. Story, Dormont, and William T. Case, Beaver, Pa., assignors to A. M. Byers Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application August 10, 1932, Serial No. 628,125
18 Claims. (Cl. 266—38)



1. Mechanism for delivering material, comprising delivery means, movable control means, means for exerting on the control means a variable force the rate of change in the effectiveness of which on the control means bears a predetermined relationship to the desired rate of delivery, connections through which a second variable force opposed to the first is exerted on the control means, the rate of change in the effectiveness of said second force on the control means bearing a predetermined relationship to the actual rate of delivery, and means operable upon movement of the control means in response to said forces when the actual rate of delivery is less than that desired for increasing such actual rate of delivery of material from the delivery means and operable upon movement of the control means in response to said forces when the actual rate of delivery is greater than that desired for decreasing such actual rate of delivery of material from the delivery means.

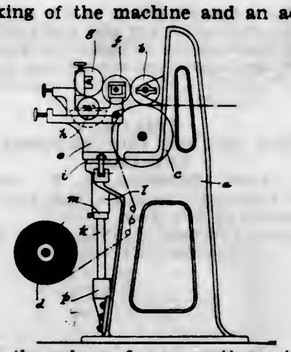
2,040,158

SUPPORT FOR INKING MECHANISM

Wilhelm Türk, Cologne-Deutz, Germany

Application January 18, 1934, Serial No. 707,163
In Germany June 14, 1933
1 Claim. (Cl. 101—219)

In a combined rotary printing and embossing press having a laterally swingable inking mechanism, a laterally swingable strap carrying the inking mechanism, a column supporting one end of said strap, bearing members supporting said column, a slot in the other end of said strap, a screw stud on the machine frame engaging said slot for fixing said strap, a vertical adjustable arm for supporting said strap in swung position, said arm being turned away from the strap during working of the machine and an adjustable



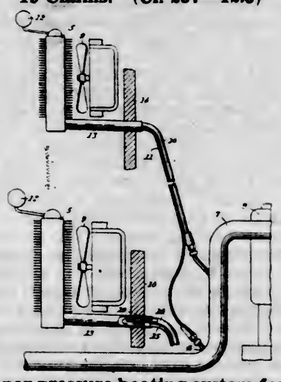
collar on the column for supporting said arm in adjusted position.

2,040,159

CIRCULATION OF HEATING MEDIUMS IN VAPOR HEATING SYSTEMS FOR AUTOMOTIVE VEHICLES

Sergius Vernet, Brooklyn, N. Y., assignor to Foster Vernay Corporation, New York, N. Y., a corporation of New York

Application November 14, 1934, Serial No. 752,947
15 Claims. (Cl. 237—12.3)

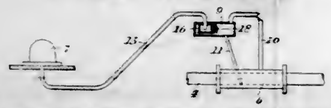


1. A vapor pressure heating system for an automotive vehicle including in combination with a conduit for the exhaust from the engine driving the vehicle a vapor generator arranged to absorb heat from the exhaust gases, a radiator condenser, conducting means uniting the vapor generator and the radiator condenser in a system which is closed throughout the operation of the system and which contains heating medium and non-condensing gas, said conducting means being adapted to circulate vaporized heating medium from the vapor generator to the radiator condenser and condensate from the radiator condenser to the vapor generator and providing separate passages for the vapor and for the condensate throughout most of the travel of the heating medium, and a common chamber intermediate the radiator condenser and the vapor generator for the flow in common of the vapor and the condensate said common chamber being spaced from the vapor generator a substantial part of the length of the conducting means.

13. In combination with a radiator, a branched conduit having a condensate line connected to one branch for draining condensate from the radiator, a vapor line connected to the other

branch for supplying vapor to the radiator, and a tube extending toward the radiator but terminating short of the radiator for directing vapor from said vapor line toward the radiator.

2,040,160
VAPOR HEATER FOR AUTOMOTIVE VEHICLES
Sergius Vernet, Brooklyn, N. Y., assignor to Foster Vernay Corporation, New York, N. Y., a corporation of New York
Application February 23, 1935, Serial No. 7,928
15 Claims. (Cl. 237—12.3)

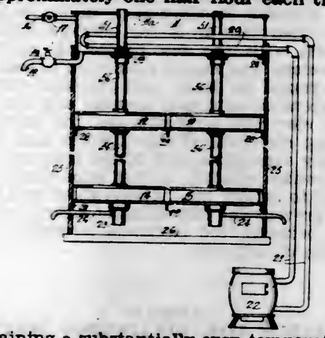


1. A vapor heating system for an automotive vehicle including, in combination with the conduit discharging exhaust gases from the internal combustion engine, a vapor generator in heat absorbing relation to the exhaust gases passing along said conduit, a radiator condenser, conducting means for heating medium uniting the vapor generator and radiator condenser in a closed system, non-condensing gas such as air entrapped in said closed system, and an amount of vaporizable heating medium sufficiently small in said system so that the vapor generator operates substantially as a flash boiler under normal running conditions, said conducting means being of sufficient length and sufficiently restricted in flow area to tend to cause interference between condensate returning to the vapor generator and surges of pressure away from the vapor generator, and including an intermediate chamber in which surges of pressure generated by the vapor generator may expend themselves, said chamber being spaced both from the vapor generator and from the radiator condenser a substantial part of the length of the conducting means.

4. A vapor heating system for an automotive vehicle including, in combination, a vapor generator or boiler in heat absorbing relation to the exhaust conduit from the internal combustion engine driving the vehicle, a radiator condenser, conducting means for heating medium uniting the vapor generator and the radiator condenser in a closed system, and heating medium together with non-condensing gas entrapped in said closed system, said conducting means including a vapor line, a condensate line and a chamber spaced both from the vapor generator and from the radiator condenser a substantial part of the length of said lines for cushioning surges of heating medium from the boiler, the condensate line having an outlet from the intermediate chamber below the level at which the vapor line and said means for the passage of heating medium to and from the radiator condenser communicate with the intermediate chamber.

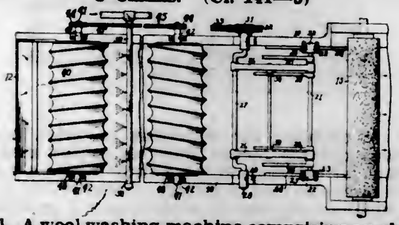
2,040,161
SEED GERMINATING SYSTEM
Eugene A. Widmann, New York, N. Y.
Application July 19, 1935, Serial No. 32,303
4 Claims. (Cl. 47—16)

1. A method of rapidly sprouting seed and promoting plant growth by the use of an open vessel and a closed cabinet, comprising saturating the seed in water in the open vessel exposed to atmospheric conditions until it softens, then removing the water and placing the seed in the closed cabinet and, after an interval, applying a nutrient salt solution to the seed in the cabinet and excluding light and fresh air from one to three times daily for approximately one-half hour each time and



maintaining a substantially even temperature for the product during the process.

2,040,162
WOOL WASHING MACHINE
Winfred W. Windle, Sutton, Mass.
Original application March 12, 1934, Serial No. 715,184. Divided and this application November 4, 1935, Serial No. 48,083
3 Claims. (Cl. 141—5)



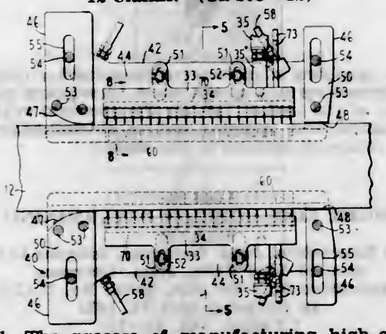
1. A wool washing machine comprising an elongated tank to contain a washing solution, a plurality of driven forwarding members each rotatably mounted on said tank and extending transversely thereof, each forwarding member comprising a body rotatable about a longitudinal axis thereof and provided with a plurality of wool-engaging peripheral corrugations positioned in parallel planes oblique to the axis of rotation of said forwarding member, and driving connections between said forwarding members effective to maintain adjacent forwarding members in such angular relation that the parallel planes in said adjacent members are continuously oppositely inclined with respect to the normal path of wool travel.

2,040,163
ART OF ORNAMENTING TRANSPARENT ARTICLES
Harry White Akroyd, Philadelphia, Pa.
Application October 20, 1932, Serial No. 638,723
2 Claims. (Cl. 41—22)



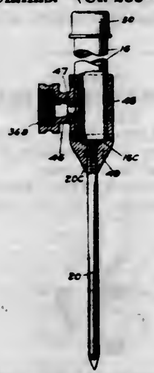
2. An article of manufacture comprising a flexible material folded upon itself to provide a plurality of layers which are secured together with an adhesive, and a core of ornamental tissue-paper positioned in the space between the layers of said casing.

2,040,164
METHOD FOR MAKING WELDED PIPE OR TUBING
James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application December 26, 1933, Serial No. 703,901
12 Claims. (Cl. 205—12)



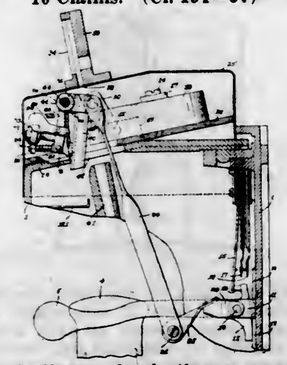
1. The process of manufacturing high-grade butt-welded tubing from strip material, which comprises heating the flat strip to a high temperature, then causing the edges of the heated strip to pass rapidly and uninterruptedly through spaced lanes of intense heating where flames of oxygen and fuel gas are directed against the faces of the strip edges, while also subjecting the edges to the action of hot reducing gases, whereby the lateral edges of the strip are brought to surface fusion of the metal and are rendered plastic and are simultaneously purified of oxide and freed of occluded gases, and immediately after the edges reach such condition bending the traveling strip into tubular form and bringing together the thus prepared edges.

2,040,165
GARDEN SHOWER AND METHOD OF MAKING
Gerald L. Baldwin, San Diego, Calif.
Application September 9, 1935, Serial No. 39,795
5 Claims. (Cl. 285—209)



1. As an article of manufacture of the class described, a pipe having a cap closing an end thereof, a conventional spike positioned axially of said pipe with its head abutting externally against said cap, and a body of cast metal enveloping said cap together with the head of said spike and the adjacent end portion of said pipe, there being liquid supply and liquid delivery openings communicating with said pipe.

2,040,166
COIN DETECTING APPARATUS FOR COIN OPERATED TELEPHONES AND THE LIKE
Edward B. Carter, Lexington, Mass.
Application April 2, 1935, Serial No. 14,245
10 Claims. (Cl. 194—97)



1. Coin testing and selecting apparatus comprising a movable testing member through which the coins to be tested pass, a channel for the reception of false coins with which said member is normally in alignment, a second channel for the reception of legitimate coins, means for moving said member out of alignment with said first mentioned channel and into alignment with said second channel, and means for testing a coin following its entrance into said member, said testing means having holding means for permitting a legitimate coin to pass through said member into said second channel and for retaining a false coin in said member when said second channel and said member are in alignment and having means for releasing said holding means when said member and said first mentioned channel are in alignment.

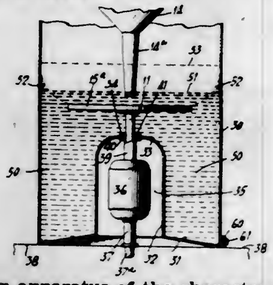
2,040,167
SLAG AND AGITATION HEAT TREATMENT OF METALS
Edwin L. Crosby, Detroit, Mich., assignor to Detroit Electric Furnace Company, Detroit, Mich., a corporation of Michigan
No Drawing. Application December 29, 1933, Serial No. 704,515
4 Claims. (Cl. 75—93)

1. The process of purifying metals which comprises intimately mixing the metal to be purified with slagging materials, melting the mixture, agitating the melt to maintain the slag formed and metal in intimate association, stopping the agitation after the purifying action is substantially complete, removing the slag collected on top of the metal, superheating the molten metal to render the same more fluid, simultaneously agitating the fluid metal to float occluded slag particles, removing said particles and pouring the homogeneous purified metal.

2,040,168
APPARATUS FOR MAKING POWDERED METALS
Jean Hubert Louis De Bats, East Orange, N. J.
Application March 25, 1932, Serial No. 601,101
5 Claims. (Cl. 83—91)

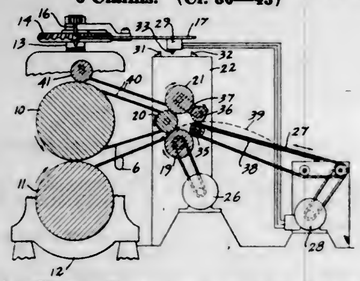
1. An improved apparatus for use in making powdered metals, comprising, in combination, a container for molten material, a plate upon which the molten material is adapted to be projected, means for rotating the plate, liquid means comprising a body of liquid in contact with the

plate and adapted to be whirled thereby and serve as a cooling medium, and peripheral restraining means for the liquid cooperating with said plate to form therewith a liquid meniscus which rises above the level of the said plate when the latter is rotated.



2. In an apparatus of the character described, in combination, a plate of substantial thickness mounted for rotation about an axis, a peripheral channel member of relatively thin material disposed around the said plate and secured thereto, and a liner of heat resistant material formed within the said channel, the thickness of the said liner and channel approximating that of the said plate.

2,040,169
CATCHER
Albanus G. Delany, Alabama City, Ala., assignor to Gulf States Steel Company, a corporation of Delaware
Application April 22, 1933, Serial No. 667,343
6 Claims. (Cl. 80—43)



1. A rolling mill catcher, comprising a pair of forwarding pincher rolls driven to force stock away from the mill, a pair of pincher rolls beyond said forwarding rolls and having a reversible drive to force stock towards or away from the mill, said latter rolls being less powerful than said forwarding rolls and being disposed and normally driven to act on the stock simultaneously with and in opposition to said forwarding rolls, means to guide the stock back to the mill, and means to position stock requiring further reduction, when released to the exclusive control of said reversible rolls, to clear the forwarding rolls and coact with said guide means.

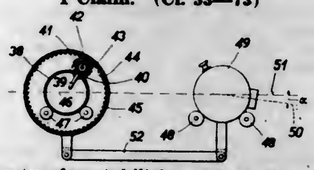
2,040,170
METHOD OF PRODUCING ARTIST'S MATERIAL
William H. Eader, Denver, Colo., assignor of one-third to Fred W. Bonfils and one-third to Albert De Bernardi, Jr., both of Denver, Colo.
Application May 26, 1931, Serial No. 540,029
6 Claims. (Cl. 41—41)

6. A process of producing a drawing or design for making printing plates, consisting in printing a pattern upon a sheet of material coated with a silver halide emulsion layer, with a substance impervious to sodium thiosulphate, exposing the coated surface to the action of sodium thiosulphate, to thereby remove the exposed silver halide, removing the impervious substance from the pat-



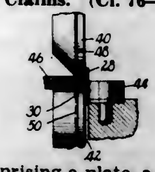
tern, applying a pictorial representation to the patterned surface of the sheet, developing portions of the pattern within the pictorial representation, and applying sodium thiosulphate to the processed surface of the sheet.

2,040,171
SIGHT LINE HORIZON DETERMINING MEANS
Otto Eppenstein, Jena, Germany, assignor to the firm of Carl Zeiss, Jena, Germany
Application May 15, 1934, Serial No. 725,752
In Germany May 16, 1933
1 Claim. (Cl. 33—73)



Apparatus for stabilizing the horizontal position of a straight line of a body, this body being rotatable about an axis on board ship, this axis being approximately parallel to the ship's deck and at right angles to the said line to be stabilized, the said apparatus consisting of a stereoscopic rangefinder containing a stereoscopic mark of a constant apparent distance, the rangefinder being rotatable about an axis on board ship, the last said axis being parallel to the base of the said rangefinder and to the axis of rotation of said body, and a device for so coupling the said body to the said rangefinder that a rotation of the rangefinder about its axis effects a corresponding equal rotation of the body about its axis.

2,040,172
DIE AND METHOD OF PRODUCING THE SAME
Fred L. Foster, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application August 8, 1932, Serial No. 627,897
11 Claims. (Cl. 76—107)



1. A die comprising a plate, a cutting blade extending along the edge portion of the plate, and members projecting from the blade and spaced apart to provide an open mouth to receive the edge portion of the plate, said members engaging opposite faces of the plate for securing the blade to the plate.

11. The method of producing cutting dies which consists in cutting from sheet material a

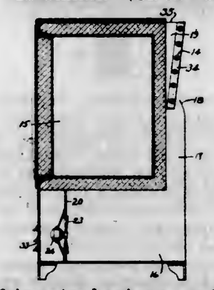
plate corresponding in size and shape substantially to a shoe-part blank, securing a cutting blade to a binding strip, bending the blade and strip along the edge portions of the plate, and securing the binding strip to the plate progressively as the blade and strip are bent into conformity with the edge portion of the plate.

2,040,173
GLOW DISCHARGE DEVICE
Daniel S. Gustin, Bloomfield, N. J., assignor to Westinghouse Lamp Company, a corporation of Pennsylvania
Application July 1, 1932, Serial No. 620,366
1 Claim. (Cl. 176—126)



A glow discharge lamp comprising a bulb, an ionizable medium in said bulb, a pair of electrical conductors in said bulb and a material on said conductors for lowering the voltage drop therebetween, said material consisting of magnesium, caesium, potassium and sodium chloride.

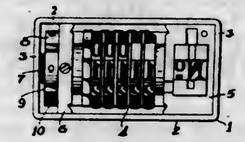
2,040,174
AIR-COOLED REFRIGERATOR
William R. Hainsworth, Larchmont, N. Y., assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application March 30, 1933, Serial No. 663,486
12 Claims. (Cl. 62—5)



1. In a refrigerator having a condenser adapted to be cooled by air, a control device for refrigeration apparatus, means for adjusting said device, a fan for blowing air over said condenser, and means for controlling said fan and operated directly by said adjusting means.

2,040,175
SUBCHASE FOR TYPOGRAPHIC NUMBERING MACHINES
Michael Hoffman, San Francisco, and Ben Jackson, San Bruno, Calif.
Application January 14, 1933, Serial No. 651,824
4 Claims. (Cl. 101—391)

1. The combination with a numbering machine and its frame, and external casing in which the said numbering machine's frame is loosely and removably fitted, of securing means including a fixed threaded stud extending inwardly from a side of the casing, and a wheel screwably mounted on the stud and adapted to be screwed against



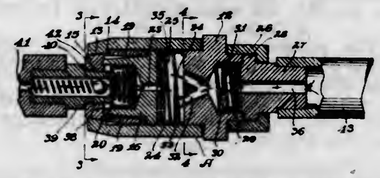
the frame of the numbering machine, whereby the numbering machine frame may be clamped between the said wheel and a side of the casing.

2,040,176
END CONNECTION FOR BUMPER BARS
Herbert S. Jandus, Detroit, Mich., assignor to General Spring Bumper Corporation, a corporation of Michigan
Application April 27, 1931, Serial No. 533,059
17 Claims. (Cl. 293—55)



1. Bumper construction including a bar having eyes, said eyes having openings provided with upper and lower converging walls, a second bar having end portions of a width in excess of the minimum distance between said walls, but capable of insertion into said eyes through the wider portions of said openings, said end portions being in firm wedging engagement with said walls when the bars are assembled with said end portions disposed in said eyes.

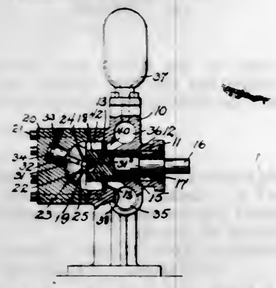
2,040,177
HYDRAULIC LUBRICATING CONNECTION
August Johnson and John S. Johnson, Fargo, N. Dak., assignors to Jiffy Lubricator Company, Inc., Fargo, N. Dak., a corporation of North Dakota
Application October 30, 1930, Serial No. 492,173
9 Claims. (Cl. 285—170)



1. A connector for pressure lubricators comprising a casing having a cylindrical bore terminating at one end in a tapered bore, closure means on the other end having a passage therethrough communicating with the interior of said casing, said passage providing an inlet for lubricant into said cylindrical bore, a hollow piston member slidably received in said casing and adapted to be projected forwardly by the lubricant in said cylindrical bore under pressure developed in said lubricator during its operation and conveyed into said cylindrical bore through said inlet, rigid clamping members on said piston and slidable therewith having portions slidably engaging the tapered portion of said casing for securely clamping a fitting, and sealing means

in said hollow piston against which the fitting is adapted to press when held by said clamping members.

2,040,178
PUMP OR THE LIKE
James L. Kempthorne, Montclair, N. J.
Application November 11, 1933, Serial No. 697,595
7 Claims. (Cl. 103—142)



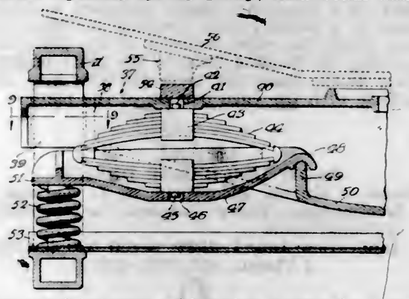
2. A pump or the like comprising a casing having a substantially semi-spherical chamber therein, a rotatable plate forming the flat wall of the chamber, the plate having a diametrically arranged slot with curved walls and with overhanging edges, the segmental rotor fitting the curved wall of the chamber and having a sealing member seated to rock in the slot of the plate and holding the rotor and plate against separation whereby the wear is minimized on the curved surface of the rotor, the casing and the plate having inlet and exhaust ports, the rotor having a slot on its curved face and parallel with the sealing member, a rotatable pin in the casing, said pin being seated in the slot in the rotor, said pin rotating on an axis inclined to the axis of rotation of the plate.

2,040,179
PROCESS OF PRODUCING COHESIVE GOLD FOR DENTAL FILLINGS
Stanley Livingstone, Sydney, New South Wales, Australia, assignor to Baker & Company, Inc., Newark, N. J., a corporation of New Jersey
No Drawing. Application October 21, 1933, Serial No. 694,642. In Australia February 12, 1931
6 Claims. (Cl. 148—21)

1. The process of producing cohesive sponge gold for dental fillings which consists in precipitating sponge gold from a gold solution and then subjecting the precipitated sponge gold to a heat treatment in liquid at a temperature of about 150 degrees C.

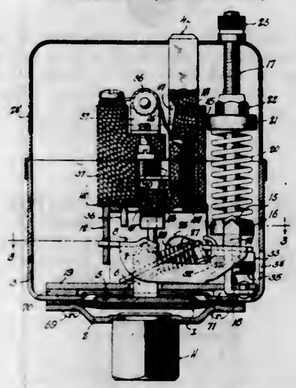
2,040,180
CAR TRUCK
Mark H. Martin, Reading, Pa., assignor to Birdsboro Steel Foundry & Machine Company, Birdsboro, Pa., a corporation of Pennsylvania
Application October 8, 1932, Serial No. 636,808
7 Claims. (Cl. 105—197)

1. In a car truck, the combination of side frames, a bolster having vertical sliding engagement with said frames, a series arrangement of leaf and coil spring groups for supporting said bolster on each of said frames, one group of said springs being located in the window opening of the associated side frame, and a beam substantially hingedly connected at one end to said bolster and at its opposite end resting upon the window opening spring group, said beam being



interposed between said spring groups for transmitting the applied load from one to the other.

2,040,181
PRESSURE SWITCH
Earl F. Mekelburg, Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich.
Application June 29, 1933, Serial No. 678,245
7 Claims. (Cl. 200—83)

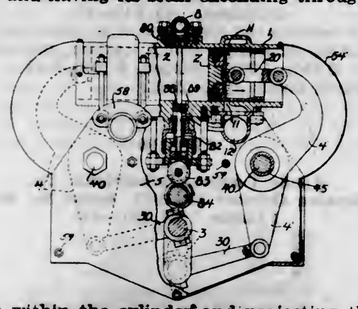


1. An automatic switch comprising switch mechanism, fluid condition responsive means for actuating said switch mechanism, intermediate means between said fluid condition responsive means and said switch mechanism for transmitting motion to said switch mechanism from said fluid condition responsive means, a movable guide for said intermediate means adapted to open said switch and biased towards switch-open position, and electrical overload means normally holding said guide against motion and releasable upon overload.

2,040,182
OPPOSED PISTON ENGINE
Paul C. Mulligan, Seattle, Wash., assignor of one-half to Harry E. Myers and one-half to himself, both of Seattle, Wash.
Application December 20, 1932, Serial No. 648,065
12 Claims. (Cl. 121—100)

1. In combination, a cylinder, a pair of oppositely movable pistons therein, a crank shaft below and at right angles to the cylinder's axis, means operatively connecting the pistons with the crank shaft, a cam shaft driven from and parallel to the crank shaft, and located between the latter and the cylinder, a variable cam on said cam shaft, a cam follower fixed relative to the cylinder and disposed for engagement by said

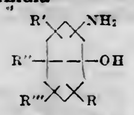
cam, means to shift the cam shaft axially, thereby to control the movement of said cam follower by engagement thereof by a different portion of the cam, the cylinder having a steam inlet port in its top, admitting to the point of closest approach of the pistons, a poppet valve controlling said inlet port, and having its stem extending through the



space within the cylinder and projecting therebelow to support said cam follower, and a piston secured upon the valve stem below the lowest level of the cylinder, the cylinder having a pocket within which is sealed said latter piston, thereby by steam pressure to effect closing of the valve, said pocket below the piston having a vent.

2,040,183
THERAPEUTICS FOR KILLING BACTERIA
Iwan Ostromislensky, New York, N. Y., assignor to Ostro Research Laboratories, Inc., New York, N. Y., a corporation of New Jersey
No Drawing. Application March 25, 1932, Serial No. 601,287
14 Claims. (Cl. 167—65)

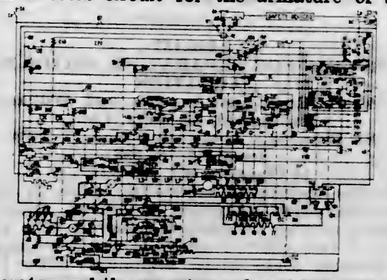
1. The process of rendering pathogenic microorganisms innocuous in animals, which comprises internally administering to the animals aminophenol of the formula



in which the amino and hydroxyl groups are in position other than the meta with respect to each other and in which at least one of the R's represents an alkyl group and each one of the other R's is a member of the series alkyl and hydrogen.

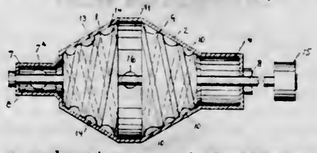
2,040,184
ELEVATOR CONTROL SYSTEM
Anthony Pinto, New Rochelle, and Raymond Alonzo Waite, Yonkers, N. Y., assignors to Otis Elevator Company, New York, N. Y., a corporation of New Jersey
Application May 4, 1935, Serial No. 19,766
25 Claims. (Cl. 172—152)

20. In a control system for an elevator car; a source of direct current; a direct current hoisting motor for the car; a starting resistance for said motor; a by-pass resistance for said motor; a direct current compound wound generator, the armature of which is connected in series relation with said by-pass resistance; driving means for the generator; means for connecting the armature of said hoisting motor, with the armature of said generator and said by-pass resistance in series connected in parallel thereto, to said source in series with said starting resistance to start the car; switching means for disconnecting said by-pass resistance and generator armature from across said hoisting motor armature and for short-circuiting said starting resistance to connect said hoisting motor armature directly to said source to bring the car up to full speed and for reincluding said starting resistance in series with said hoisting motor armature and reconnecting said by-pass resistance across said hoisting motor armature to slow down the car, said generator armature being reconnected in series with said by-pass resistance across the hoisting motor armature; means for causing said hoisting motor to level the car with a desired landing in stopping, said levelling means comprising means for short-circuiting all of said by-pass resistance to form a local circuit for the armature of said



generator and the armature of said hoisting motor, means for disconnecting the hoisting motor from said source, levelling switching mechanism and means responsive to the operation of said levelling switching mechanism for connecting the generator separately excited field winding to said source, such field winding not being energized except during levelling, to cause said generator armature to supply current to the hoisting motor armature for the operation of bringing the car to an exact landing level under the control of said levelling switching mechanism; and means for rendering the series field winding of said generator effective only during the levelling of said car.

2,040,185
CARBURETOR MECHANISM
Troy A. Riall, Silvis, Ill.
Application December 12, 1932. Serial No. 646,879
11 Claims. (Cl. 261—79)

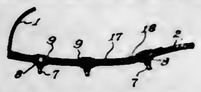


1. In a carburetor, a conical casing, a conical rotor in said casing provided on its circumference with a helical channel of uniform size, a mixing chamber at the large end of said casing, means for introducing a supply of hydro-carbon fuel into the small end of said casing and channel, for gradual expansion and increase in volume in said channel, and means for introducing a current of air into said mixing chamber.

2,040,186
ATHLETIC SHOE SOLE PLATE
John T. Riddell, Chicago, Ill.
Application October 17, 1931, Serial No. 569,439
1 Claim. (Cl. 36—2.5)

In an athletic shoe having a plurality of cleats secured to the bottom of the sole thereof, a sole

reinforcing plate disposed on the inner side of the shoe sole and having a plurality of spaced perforations for cleat fasteners, said plate being formed with its backward end portion upwardly inclined from a transverse line adjacent the position of the ball of the wearer's foot to localize

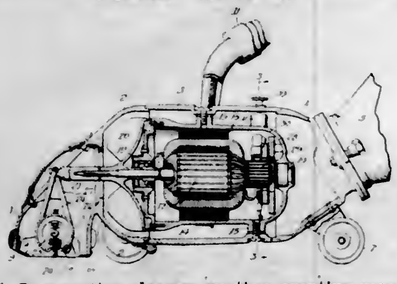


the bending of the sole thereto, the rearward pair of said perforations being disposed in said upwardly inclined portion and behind said transverse line in substantially parallel alinement therewith, and cleat fasteners passing through said perforations and sole.

2,040,187
PROCESS FOR SEPARATING SOLIDS BY FLOTATION
Ernest H. Rose, Los Angeles, and William T. MacDonald, La Jolla, Calif.
No Drawing. Application May 11, 1934, Serial No. 725,096
10 Claims. (Cl. 209—167)

1. The method of separating solids by froth flotation which comprises depositing, upon the surface of two constituent minerals of a pulp, salts of two different metallic elements capable of forming soaps whose solubilities differ from one another and also from the solubilities of the soaps formed by the constituent minerals on which the respective salts are deposited, and then subjecting the pulp containing said two minerals thus coated with said deposited salts to froth flotation in the presence of a fatty acid collector agent and a depressing agent selected from the group consisting of metaphosphates, metaphosphites, metarsenates and metarsenites, said depressing agent being present in such proportion as to exert a differential inhibiting effect upon the formation of insoluble soap coatings on the respective salt-coated minerals.

2,040,188
SUCTION CLEANER
Donald G. Smellie, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application December 20, 1933, Serial No. 703,167
8 Claims. (Cl. 15—6)

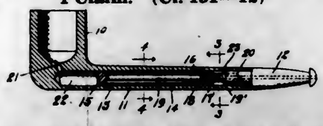


1. In a suction cleaner, suction-creating means, a driving motor, a rigid beating agitating element, a brush element, said elements arranged in said cleaner so as to contact the surface covering undergoing cleaning at substantially identical points, said elements being adapted to contact the surface covering in a certain sequence, and manually operable means to alter the sequence of said contact.

2,040,189
WELDING MATERIAL
Jerome Strauss, Pittsburgh, Pa., assignor to Vanadium Corporation of America, Bridgeville, Pa., a corporation of Delaware
No Drawing. Application January 4, 1930, Serial No. 418,657
7 Claims. (Cl. 219—8)

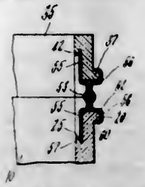
7. A welding rod composed of an alloy steel rod containing less than 0.30% carbon, manganese about 0.85%–1.20%, silicon 0.10%–0.45%, and vanadium about .10%–.25%.

2,040,190
PIPE
Apollo Torrese, Philadelphia, Pa.
Application October 24, 1933, Serial No. 694,928
1 Claim. (Cl. 131—12)



A pipe comprising a stem, a mouthpiece inserted by a sliding fit into the stem, a cylindrical plug fixed to the mouthpiece, a cylindrical tube carried by the plug, said plug having a shoulder spaced from the stem and the mouthpiece and having a longitudinal groove and a cylindrical closed end imperforate sleeve fitted onto the plug and abutting the shoulder, said sleeve being spaced from the walls of the stem throughout its entire length and the tube within spaced from the sleeve and all removable with the mouthpiece, said sleeve being removable from the tube and plug.

2,040,191
BOX WITH COVER AND HINGE THEREFOR
Hans H. Wanders, Hingham, Mass.
Application June 25, 1932, Serial No. 619,282
10 Claims. (Cl. 217—57)

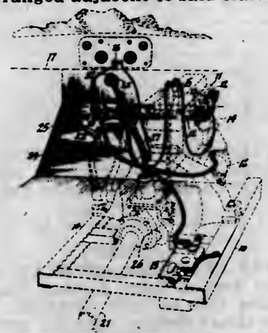


1. A hinge comprising two members rockable relatively to each other about an axis, one of said members having two spaced portions projecting laterally from said axis, one of said portions having the margin along its free edge bent to form a flange projecting toward the other said portion.

2,040,192
CONTROL MECHANISM FOR AUTOMOBILES
Martin A. Weyland, Buffalo, N. Y.
Application August 8, 1934, Serial No. 739,054
1 Claim. (Cl. 122—179)

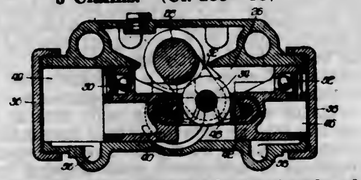
In an automobile, a chassis provided with propelling means for the automobile, an internal combustion engine mounted on the chassis and provided with electric means for igniting the fuel for the engine, including a spark plug and a battery, a bodily stationary master switch mounted on the instrument board of the automobile and adapted to open and close the electric circuit containing said spark plug and battery, a change

speed mechanism for transmitting motion at different speeds from said engine to the propelling means including a hand operated shift lever, an auxiliary bodily movable switch mounted on said shift lever and operable independently of the latter and adapted to open and close the circuit containing said spark plug and battery independently of said stationary master switch, a clutch mechanism for connecting and disconnecting said engine and the propelling means including a foot operated clutch pedal, an electric starting motor for operating said engine, and a starting switch for closing and opening an electric circuit containing said battery and starting motor and arranged adjacent to said clutch pedal so



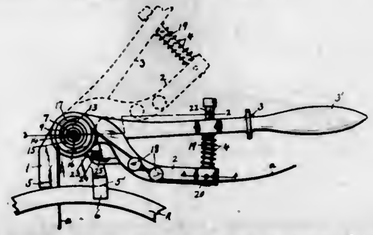
that the latter can be operated solely for declutching the engine independently of said starting switch, or said starting switch may be closed by the foot which operates the pedal after the declutching operation has been effected, said auxiliary switch being adapted to remain either in its open or in its closed position, excepting when manually shifted, said master switch being lockable in its open position but unlocked in its closed position, and said auxiliary switch being unlockable and always free to be shifted into either its open or closed positions independently of said lever.

2,040,193
DASH CONTROL VALVE
John B. Whitted, Chicago, Ill., assignor, by mesne assignments, to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application January 22, 1932, Serial No. 588,060
3 Claims. (Cl. 188—88)



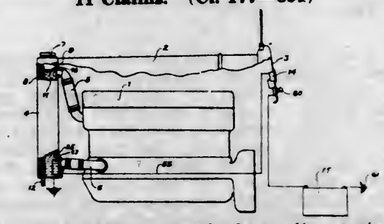
1. In combination with a shock absorber having a fluid flow passage through which the fluid may flow in either direction, a valve disk arranged to seat against the pressure of the fluid in one direction, resilient means for normally holding said valve disk in seated position, a movable valve stem extending through said valve disk and arranged to seat against the pressure of the fluid flowing in the opposite direction, resilient means for normally holding said valve stem in seated position and means adjustable from the exterior of the shock absorber for varying the effect of said last-mentioned resilient means.

2,040,194
DEVICE FOR APPLYING AND TIGHTENING THE STRINGS OF TENNIS RACKETS
Frederick W. Whiteside, Syracuse, N. Y.
Application June 28, 1934, Serial No. 732,821
24 Claims. (Cl. 265—1)



1. A device for tensioning the strings of tennis rackets comprising a carrier adapted to be received upon the frame of the racket, co-axial members mounted on the carrier and relatively movable about a common axis, means for attaching the string to one of said members for tensioning the same as the member is moved in one direction, the other member being manually movable about said axis, and yielding means for transmitting motion from the second member to the first member for tensioning the string under gradually increasing force.

2,040,195
INDICATOR
John W. Anderson, Gary, Ind.
Application October 23, 1931, Serial No. 570,555
11 Claims. (Cl. 177—351)

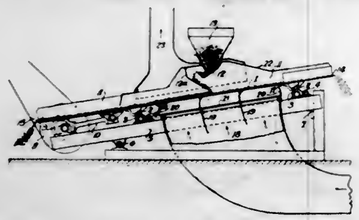


11. In combination with the cooling system of an internal combustion engine, a pressure responsive device subjected to the pressure of liquid head in the system and subjected to the pressure of vapor generated from liquid by engine heat, an indicator comprising a relatively movable indicating element and scale element, for indicating levels of liquid and for indicating generated vapor pressure in the system, and transmission means for effecting relative movement of the indicating and scale elements in correspondence with changes of pressure on the pressure responsive device to cause it to indicate changes of liquid level effected by changes of quantity of liquid in the system, and to cause it to indicate changes of vapor pressure effected by attainment of boiling temperatures.

2,040,196
APPARATUS FOR SEPARATING SIZED MIXTURES OF MATERIAL
William Henry Berrisford, Longton, Stoke-on-Trent, England
Application June 19, 1934, Serial No. 731,357
In Great Britain June 22, 1933
6 Claims. (Cl. 209—467)

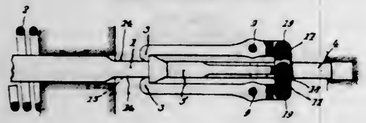
5. Apparatus for separating sized mixtures of materials in a dry state comprising in combina-

tion a longitudinally inclined pervious table, a support for the said table, cooperating step members attached to the said support and table respectively, driving means for reciprocating the table to drop over the step, and a stationary



baffle with restricted aperture located below the table to form a partly closed air chamber of which the volume is suddenly reduced by the drop of the table over the step.

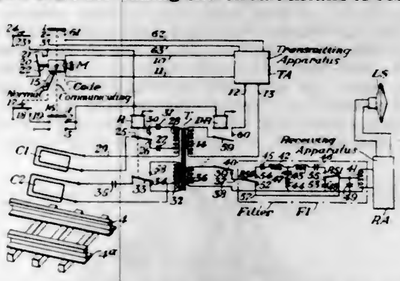
2,040,197
MECHANISM FOR THE TRIPPING OR RELEASE OF MOVABLE ORGANS
Louis Birkigt, Bois-Colombes, France
Application July 16, 1934, Serial No. 735,519
In Belgium March 22, 1934
3 Claims. (Cl. 185—41)



1. A device of the type described, which comprises in combination, a stationary part, an organ movably carried by said stationary part, elastic means for urging said organ in a certain direction with respect to said part, at least one catch movably carried by said part adapted to engage said organ for maintaining it in a given position with respect to said part against the action of said elastic means, movable intermediate means positively connected to said catch for bringing said catch into and out of engagement with said movable organ, controlling means for causing said intermediate means to bring said catch out of engagement with said movable organ, and means operative by said movable organ for automatically bringing said intermediate member back into the position in which it causes said catch to engage said movable organ when said organ, after having been released, is moved backwards past its initial position.

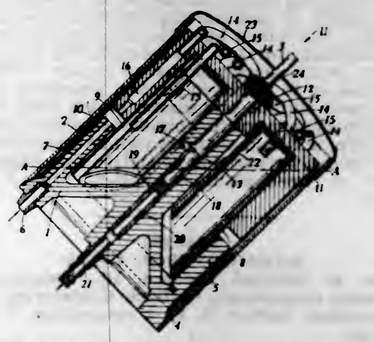
2,040,198
APPARATUS FOR RAILWAY TRAIN COMMUNICATION SYSTEMS
Paul N. Bossart, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 26, 1934, Serial No. 737,076
12 Claims. (Cl. 246—8)

1. In combination with railway train-carried telephone receiving apparatus including a loudspeaker for reproducing the audio frequencies of a telephone current, a first and a second low power factor inductor on a vehicle of the train for inductively receiving electromotive forces due to a telephone current which flows in a conductor parallel to the train, a first circuit means for connecting the first inductor with the input of the receiving apparatus including capacitance for tuning the circuit means to resonance at a first given voice frequency, and a second circuit means for connecting the second inductor with the input of the receiving apparatus including capacitance for tuning the circuit means to reso-



nance at a second given voice frequency, and said first and second inductors reversed with respect to one another in their influence on the receiving apparatus.

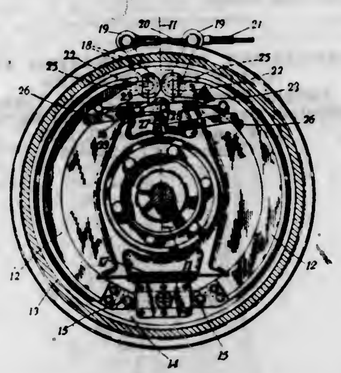
2,040,199
GAS DELIVERY APPARATUS
Charles Vernon Boys, London, England
Application July 16, 1934, Serial No. 735,503
In Great Britain April 10, 1934
8 Claims. (Cl. 73—1)



1. A gas delivery pump for doling out gas at a predetermined rate, comprising in combination, a rotor mounted for rotation about an inclined fixed axis and including at least four cylindrical measuring bells equidistantly spaced about the axis of rotation of said rotor, a receptacle for liquid, said rotor being supported in a position such that the ends of said measuring bells extend downwards into said receptacle so that said measuring bells may be sealed by liquid in said receptacle in all positions of said rotor, walls defining two gas spaces adapted to be sealed by liquid in said receptacle, means for leading gas from a point outside the pump to one of said gas spaces and means for leading gas from the other of said gas spaces to a point outside the pump, said rotor being formed with gas inlet and exhaust conduits operative, when said receptacle contains liquid and said rotor is rotated, to put each bell into communication with said gas inlet space only when the bell is rising and with said gas outlet space only when the bell is falling, the arrangement being such that the inlet and exhaust conduits of each bell are both sealed by liquid when the bell

is at its extreme upper position and when it is at its extreme lower position so that the bell is cut off from both gas spaces.

2,040,200
VEHICLE BRAKE
Hubert Noel Charles and Henry Edward Cecil Cousins, Abingdon-on-Thames, England, assignors to The M. G. Car Company Limited, Abingdon-on-Thames, England
Application July 11, 1935, Serial No. 30,900
In Great Britain March 24, 1934
2 Claims. (Cl. 188—78)



1. A vehicle brake comprising a brake drum, an anchor plate, means carried by the anchor plate engaging an end of each shoe for supporting said end within the drum, cam means engaging the other ends of the shoes for moving the shoes into contact with the drum, and means engaging the shoes adjacent the other ends thereof for automatically centering the shoes relative to the drum, said centering means including a lever having oppositely extending studs disposed one at each end thereof, a bar pivotally mounted on one of said studs, links connected to the opposite ends of said bar and to the shoes adjacent said other ends, and means for securing the other stud to said anchor plate in a manner whereby said lever will be normally held against movement when the shoes are disposed an equal distance away from the drum, said securing means frictionally yielding under pressure of a link connected to a shoe contacting with the drum before contact of the other shoe with the drum whereby to maintain said first stud equidistant between said shoes.

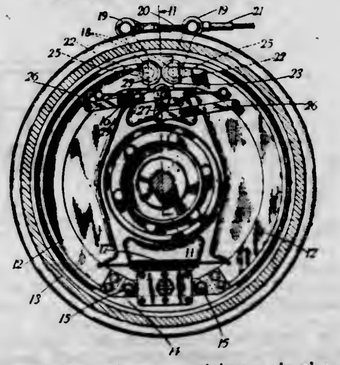
2,040,201
DOLL
Adolph Cohen, Brooklyn, N. Y.
Application February 24, 1936, Serial No. 65,467
1 Claim. (Cl. 46—141)

In a doll, a head having an open mouth, a body formed from joined companion liquid resisting flexible sections, a funnel interiorly of the body formed from joined companion liquid resisting flexible sections and constituting a direct liquid lead from the head to a point of external discharge at a leg crotch in said body, means within the funnel to maintain it against collapsing, and a liquid absorber within the funnel and emitting liquid absorbed thereby on compressing the body, the funnel being tacked to the body sections at the end thereof next to the head and to opposite



sides of the leg crotch with respect to the point of the liquid discharge.

2,040,202
VEHICLE BRAKE
Henry Edward Cecil Cousins, Abingdon-on-Thames, England, assignor of one-half to The M. G. Car Company Limited, Abingdon-on-Thames, England
Application November 11, 1935, Serial No. 49,302
In Great Britain March 24, 1934
4 Claims. (Cl. 188—78)

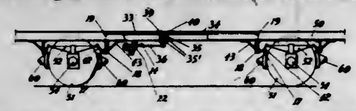


1. A vehicle brake comprising a brake drum, a pair of brake shoes movable into contact with opposite sides of the internal periphery of said brake drum, individual cams for actuating said brake shoes, respectively, said cams being fast with rollers, said cams and rollers being floatingly mounted, means biassing said rollers into rolling contact with one another, and means for simultaneously rotating said rollers in opposite directions.

2,040,203
AUTOMATIC BRAKE SHOE PRESSURE ADJUSTING APPARATUS FOR RAILWAY VEHICLES
Anton Dietrich, Graz, Styria, Austria, assignor to the firm Grazer Waggon- und Maschinenfabriks-Actiengesellschaft vormals Joh. Weitzer, Graz, Styria, Austria, a company of Austria
Application October 6, 1932, Serial No. 636,600
In Austria November 2, 1931
2 Claims. (Cl. 188—195)

1. In a railway vehicle the combination of at least two axles, running wheels, brake shoes and

supporting springs associated with said axles, longitudinal beams of said railway vehicle, said longitudinal beams being supported on the one hand directly by one of the two ends of said supporting springs of two wheels and on the other hand through the medium of an arm of a bell crank lever pivoted on said longitudinal beams by the other ends of said supporting springs, links connecting said free ends of arms of said bell crank



lever each to one of the opposite ends of a lever, an arm rigidly secured to said lever, a source of force acting on said arm and varying according to the excursion and tending to move in one direction, means for actuating said brake shoes and means comprising a rod connected to said arm for adjusting the leverage of said brake shoe actuating means.

2,040,204

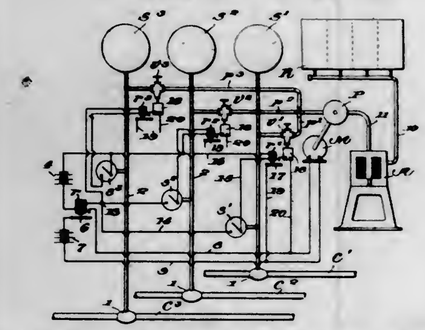
MEANS FOR MAINTAINING FLUID PRESSURE IN SHEATHED ELECTRIC CABLES

Luigi Emanueli, Milan, Italy, assignor to Società Italiana Pirelli, Milan, Italy

Application April 12, 1932, Serial No. 604,850

In Italy April 28, 1931

2 Claims. (Cl. 173—266)



1. The combination with a plurality of separate fluid filled electric cables, each having an impervious sheath, of means for normally maintaining fluid under pressure in all of said sheaths, a fluid reservoir, a pump associated therewith, and electrically operated automatic means responsive to a drop in pressure within any one of said cables for selectively connecting that particular cable with said pump and for simultaneously putting said pump into operation.

2,040,205

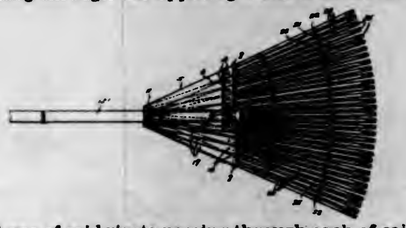
BROOM RAKE

Charles H. Kaufman, San Antonio, Tex.

Application April 1, 1935, Serial No. 14,158

4 Claims. (Cl. 55—114)

1. In a broom rake, a tapered flat-like supporting socket, a plurality of flat flexible tine-forming strips having overlapped inner end portions fitted within said socket, said tine-forming strips projecting outwardly of said socket in diverging relation, and means causing the tine-forming strips to be securely clamped between the opposing flat walls of the socket at the outer wider end of the latter, said last-named means comprising rivets passing through the opposing walls of the socket,



and one of said rivets passing through each of said tine-forming strips.

2,040,206

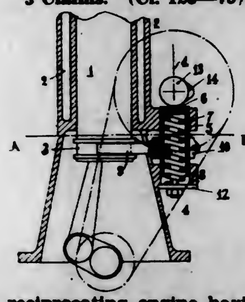
ARRANGEMENT FOR OPERATING ENGINE VALVE GEAR SLEEVES

Adolphe Kégresse, Courbevoie, France

Application October 12, 1933, Serial No. 693,382

In France October 13, 1932

3 Claims. (Cl. 123—75)



1. In a reciprocating engine having a crankshaft, a piston connected thereto, a cylinder in which said piston reciprocates and a sleeve valve surrounding the piston, means for reciprocating said sleeve valve comprising a reciprocating element, means for supporting and guiding said element to confine its reciprocation to a path parallel to the axis of the sleeve valve, means for reciprocating said element in timed relation to said crank-shaft, said sleeve having a guideway extending about its circumference, and means rigidly carried by said reciprocating element and adjustable thereon in the direction of reciprocation for engaging at least two substantially diametrically opposed points on said guideway for imparting reciprocating movement of said element to said sleeve.

2,040,207

PROCESS FOR THE PRODUCTION OF CONDENSATION PRODUCTS

Wilhelm Kraus, Vienna, Austria

No Drawing. Application January 26, 1934, Serial No. 708,569. In Germany January 27, 1933

7 Claims. (Cl. 260—3)

1. Process for the manufacture of condensation products from urea, hexamethylenetetramine, phenols, and formaldehyde, characterized by causing urea, hexamethylenetetramine, a phenol, and an acidulated aqueous solution of formaldehyde having a pH less than 3 to react together, the proportion of hexamethylenetetramine being substantially higher than would be necessary for the formation of a salt of hexamethylenetetramine with the acid used, the condensation being continued until condensation products of acid reaction are formed.

2,040,208

EMULSION FOR SURFACING ROADS

Robert Joseph Lacau, Paris, France

No Drawing. Application February 24, 1933, Serial No. 658,471. In France March 7, 1932

1 Claim. (Cl. 134—1)

A stable bituminous emulsion for surfacing of roads, consisting of an emulsified mixture of substantially equal parts by weight of a bituminous base and water, said bituminous base being a mixture of substantially equal parts by weight of a low temperature tar obtained by distillation of coal at a temperature between 400° and 450° C. and a bituminous residue of a petroleum distillation, said bituminous base also containing 2 to 5% by weight of a distillation tar fraction rich in phenols and its homologues distilling off between 180° and 240° C. and about 3% of "Swedish residuary oil."

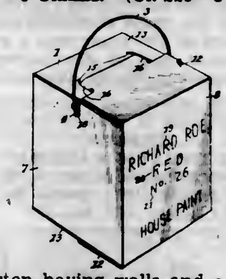
2,040,209

CARTON FOR CANS AND THE LIKE

Sidney A. Levyne, Baltimore, Md., assignor to Baltimore Paint & Color Works, Inc., Baltimore, Md., a corporation of Maryland

Application March 23, 1935, Serial No. 12,709

6 Claims. (Cl. 229—37)



1. A carton having walls and a bottom, flaps carried by opposed walls and folded inwardly against inner faces of the said walls, the flaps and walls being slotted to form recesses when the flaps are folded inwardly, a can in said carton having bearing lugs extending through said recesses, a bail for said can pivoted at its ends to said lugs, and means for closing the upper end of the carton, the bail being disposed externally of the carton and movable to a raised position across the closed upper end of the carton.

2,040,210

SOWING MACHINE

Ernst Johan Oscar Magne, Visby, Sweden

Application February 23, 1934, Serial No. 712,649

In Sweden March 13, 1933

2 Claims. (Cl. 111—77)



1. A sowing-machine for seeds and potatoes having a receptacle open at its lower end, a drum provided in front of the said receptacle, said drum being open at both ends and adapted to rotate about a shaft slanting at an angle of about 45° relatively to the horizontal plane, the upper portion of the said drum being provided with a bowl-shaped extension with radial walls extending some way toward the center and dividing the circumference of the bowl-shaped portion into sections or cells, the drum, by way of a driving belt, being driven by wheels supporting the sowing-machine, characterized by the fact that the radial walls are broken, and that a finger is secured to the front wall of the receptacle, said finger extending into the interspace between the two portions of the broken walls and slanting relatively to the bottom plane of the bowl-shaped portion.

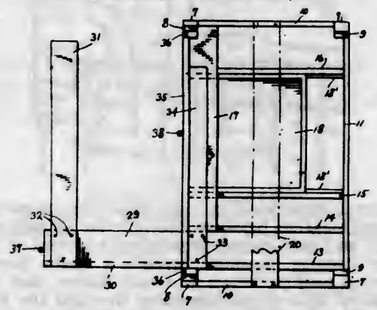
2,040,211

COMBINATION TABLE AND IRONING BOARD

William Nelson, New York, N. Y.

Application June 13, 1935, Serial No. 26,499

3 Claims. (Cl. 68—10)



1. A cabinet table comprising upright legs at each corner, end and side walls secured to the legs, spaced interior cross braces, a longitudinal platform secured at one end to a cross brace and at the other end to one of the legs, a transverse support block formed with a groove embracing one of the cross braces and slidable thereon, an ironing board secured at one end to one end of the block and free at the other end, a longitudinal counter-support secured at one end to the other end of the block adapted to rest on the platform when the ironing board is extended and on one of the braces when the ironing board is retracted.

2,040,212

WATER-SOLUBLE CONDENSATION PRODUCTS

Ludwig Orthner, Leverkusen-I. G. Werk, and Arnold Doser, Cologne-Mulheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application November 9, 1934, Serial No. 752,370. In Germany November 18, 1933

11 Claims. (Cl. 260—2)

1. The process which comprises sulfonating a condensation product of resinous alkali-soluble substances containing phenolic hydroxyl groups being selected from the group consisting of condensation products of phenols and resinous extracts from vegetable tanning materials with reactive derivatives of polyvalent alcohols, the said derivatives being selected from the group consisting of halogenhydrins and alkylene oxides.

2,040,213

CENTRIFUGAL MACHINE

Daniel Perrier, Unieux (Loire), France, assignor of one-half to Société Anonyme Française Said: Anciens Etablissements Cime, Paris, France

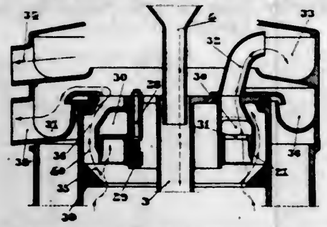
Application October 15, 1931, Serial No. 569,053

In France December 9, 1930

2 Claims. (Cl. 233—46)

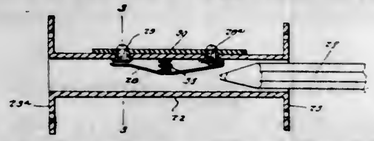
1. In a centrifugal separator, the combination with a rotary bowl of a partition arranged con-

centrically in the upper end of said rotary bowl, a casing of fixed height in the upper end of said rotary bowl and connected to the latter so as to rotate therewith, said partition being axially movable in said casing, means for adjusting said partition in said casing in an axial direction, an annular flange on the interior wall of said bowl adjacent the lower end of said partition, projecting radially and interiorly of the bowl, tangents to said partition and to said flange forming an angle therebetween, said flange being adapted to prevent the outflow of the heavier



material separated in said separator, means of communication between the interior of said partition and said casing, separated material of medium density passing through a space formed between said partition and said flange, and material of light density passing through the interior of said partition into said casing, the angular relation of the partition with respect to the flange causing movement of the partition to result in change in the cross-section of said space.

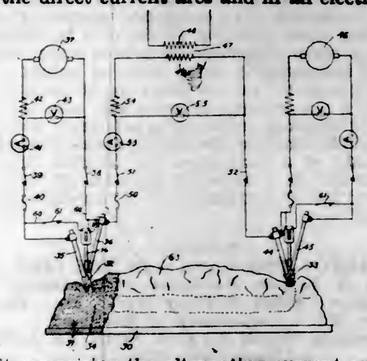
2,040,214
ELECTRICAL SWITCH
Angelo Ramirez, Jr., Brooklyn, and Angelo Schiavi, New York, N. Y.
Application November 17, 1934, Serial No. 753,514
1 Claim. (Cl. 200—52)



An electrical switch for pencil sharpening machines comprising an insulating support disposed on the outer side of the guide tube of the machine and having spaced electrical contact therein, extending through apertures in the guide tube, a contact arm secured at one of its ends on the inner side of said tube to one of said contacts and being bent on itself the other end extending below the other contact and adapted to electrically engage the same, said contact arm having a flat central portion and diverging side portions, and resilient means disposed between the inner side of said tube and the inner side of the flat portion of said contact arm and normally urging the arm out of electrical engagement with the contact whereby upon the insertion of a pencil in the guide tube the contact arm is brought into electrical engagement with the stationary contact.

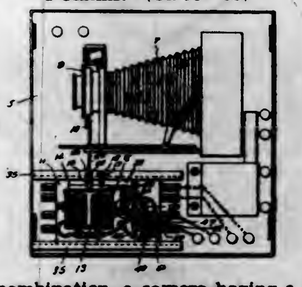
2,040,215
METHOD OF MAKING REFRACTORY MATERIALS
Alexander Rava, Chicago, Ill.
Application May 15, 1933, Serial No. 671,148
12 Claims. (Cl. 13—26)

1. The method of fusing and melting a granular and/or pulverized mass of refractory material which includes producing two relatively low voltage direct current arcs between two pairs of electrodes, directing the arcs by respective magnetic fields upon relatively adjacent portions of the mass surface, then establishing two relatively high voltage alternating current arcs, each in one of the direct current arcs and in an electric cir-



cuit comprising the alternating current arcs and the portion of the mass therebetween to effect melting portions of the mass into a pool by the heat of the arcs and of the current flowing through the mass between the alternating current arcs.

2,040,216
AUTOMATIC CAMERA
Floyd A. Sears, Rome, N. Y.
Application June 8, 1934, Serial No. 729,675
3 Claims. (Cl. 95—53)

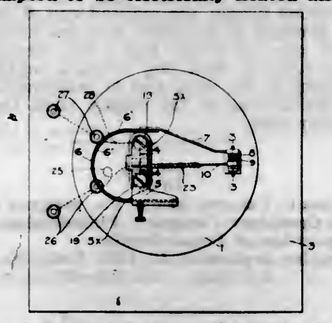


1. In combination, a camera having a shutter, a magnet having an armature, a connection between the armature and the shutter, a stop watch adapted to be stopped at the moment the shutter is operated, said watch including a magnetically operated pin adapted to be driven into the operating mechanism of the watch when the shutter magnet is operated.

2,040,217
INDICATOR
Theodore J. Smulski, Gary, Ind., assignor to The Andersen Company, Gary, Ind., a corporation of Indiana
Application April 19, 1930, Serial No. 445,647
4 Claims. (Cl. 177—351)

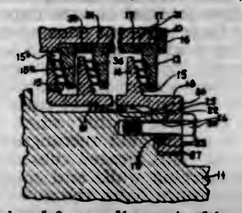
1. A thermostat comprising a support, a head oscillatably mounted on the support, a pair of thermostatic bendable strips each rigidly secured by an end portion to the oscillatable head and having each a thermally laterally movable free end portion extending therefrom, means on the support to laterally adjustably move the free end

of a compensating one of said strips relative to the support and prevent movement thereof from its adjusted position, the other strip having an operating head on a free end portion thereof and adapted to be electrically heated and bent



by electric current to move the operating head relative to the adjustable end of the other strip, the compensating strip alone tending to rock the head and the other strip bodily therewith upon a change of temperature.

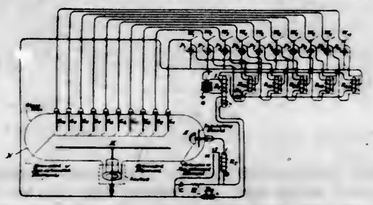
2,040,218
TURBINE GLAND
Carl R. Soderberg, Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 20, 1934, Serial No. 721,532
6 Claims. (Cl. 286—10)



1. In a gland for sealing a turbine spindle with respect to its housing including cooperating and axially-spaced pairs of radially-overlapping rotatable and fixed collars, the fixed collars being carried by the housing and the rotatable collars having radially extending sealing faces, a plurality of coaxial and thin metallic strips extending laterally from one side of each fixed collar and defining radially extending sealing clearances with respect to the radially-extending sealing faces of the adjacent rotatable collars, means for connecting the strips to the fixed collars, each of said fixed collars and the strips carried thereby being comprised by registering semi-circular sections, a sleeve integral with the rotatable collars and overhanging the spindle in spaced relation except for the outer end portion thereof, and means for connecting the outer end portion of the sleeve to the spindle.

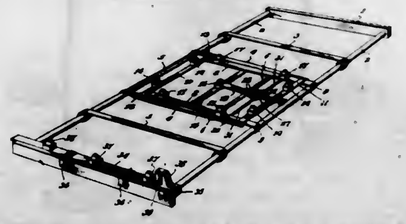
2,040,219
ELECTRICAL PROTECTIVE SYSTEM
Leland Kasson Swart, Mountain Lakes, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application March 14, 1935, Serial No. 11,176
6 Claims. (Cl. 179—78)

1. Apparatus for the protection of a plurality of conductors comprising a gas-filled tube having an anode, a cathode, and a plurality of electrodes each of which is connected to one of the conductors, means responsive to a voltage exceeding a predetermined value applied to any one of the various conductors to ionize the gas



between the anode and cathode of said tube, and means responsive to the ionization of the gas within said tube to simultaneously ground all of said conductors.

2,040,220
BURIAL APPARATUS
Robert R. Thomas, Oak Hill, W. Va.
Application March 27, 1934, Serial No. 717,617
3 Claims. (Cl. 27—32)

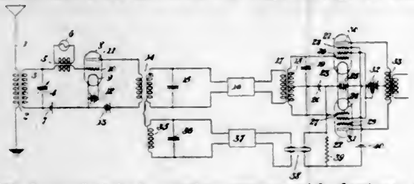


3. Means for the purpose set forth comprising inner and outer casket supporting frames adapted to extend transversely across a grave and each having a hook at its outer end whereby they may be supported upon bars at opposite sides of a casket-lowering apparatus for swinging movement from a horizontal position across a grave to a depending position against side walls of the grave, fasteners carried solely by the inner frame for projecting transversely from sides of the inner frame and engaging the outer frame whereby the frames will be supported and held in a horizontal casket-supporting position, and actuating means carried by the inner frame for moving the fasteners to a retracted position for releasing the inner frame from the outer frame and permitting the frames to swing downwardly to a pendent position upon the casket lowering apparatus at opposite sides of a grave, said actuating means having an operating handle extending longitudinally of the inner frame and projecting from the outer end of the inner frame.

2,040,221
ELECTRICAL SIGNALING SYSTEM
Ernest A. Tubbs, Long Island City, N. Y., assignor to Frank C. Talmadge, Forest Hills, N. Y.
Application January 4, 1933, Serial No. 650,090
3 Claims. (Cl. 250—20)

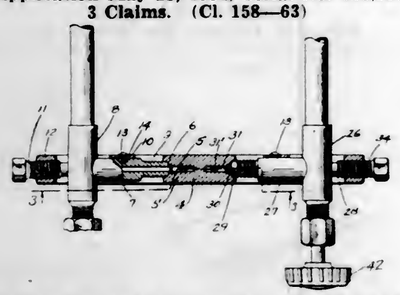
1. In combination, a receiver of a modulated carrier having a sufficiently broad tuning characteristic to amplify substantially uniformly the audio-frequency side bands of said carrier, means for selecting the carrier frequency from the modulated carrier including a circuit selective to the carrier frequency only, a circuit resonant at carrier frequency and adapted to suppress all side-

band frequencies, the latter circuit being connected to said selector circuit, and a combining circuit including two translating devices and circuit connections therefor for impressing the am-



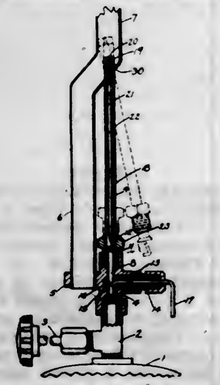
plified modulated carrier upon said devices in opposite sense and impressing the carrier from said resonant circuit upon the devices in the same sense.

2,040,222
HYDROCARBON FUEL BURNING STOVE
Boyd W. Tullis, Wichita, Kans.
Application May 18, 1934, Serial No. 726,307
3 Claims. (Cl. 158—63)



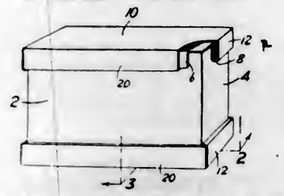
1. In a device of the class described a frame bar having a fuel port, a vaporizing generator having a nipple at an angle thereto provided with an end engageable with a seat surrounding the port, means for maintaining the end of the nipple in engagement with the seat and a projection on the bar engageable with a recess in the nipple to hold the nipple against rotation.

2,040,223
VAPORIZING GENERATOR
Boyd W. Tullis, Wichita, Kans.
Application November 30, 1934, Serial No. 755,309
7 Claims. (Cl. 158—120)



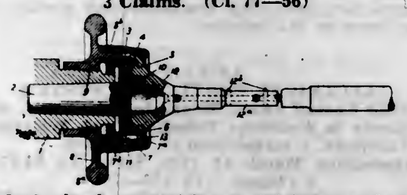
1. A replacement part for liquid hydrocarbon fuel burning devices comprising a liquid hydrocarbon vaporizing generator including an elongated vaporizing tube having a guide at its discharge end, a tip at the outer end of the guide having a constricted discharge orifice, a stem in the tube having a reduced end provided with a tip cleaning needle, the reduced end of the stem being movable in the guide with the needle projectable into the orifice and a stop means within the tube to limit the outward longitudinal movement of the stem and to permanently prevent withdrawal of the needle stem from the generator tube.

2,040,224
BOX
Matthias C. Usinger, Media, Pa., assignor to Federal Container Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 18, 1935, Serial No. 41,035
3 Claims. (Cl. 229—23)



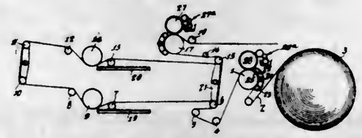
1. A box formed of pasteboard or the like comprising side and end walls having free edges defining a rectangular opening, and a rectangular closure for the opening, at least two opposite walls having integral locking flaps extending outwardly from their free edges, said closure having at its four edges integral closure flaps free from each other at their adjacent ends, at least two of said closure flaps, which correspond to said locking flaps, having integral outer extensions, and each of the other closure flaps having a pair of two-section end extensions, said parts being constructed and arranged so that, when the closure is in place, it covers said rectangular opening, with the locking flaps located substantially parallel to their carrying walls and covered by the corresponding closure flaps, the outer extensions of the last named closure flaps being located between the respective locking flaps and their walls, and the two-section end extensions of the other closure flaps being embraced between the first mentioned closure flaps and their outer extensions, one of the sections of each end extension being outside the corresponding locking flap and the other being inside such locking flap.

2,040,225
CHUCK
Fritz Walther, Plauen in Vogtland, Germany, assignor to Vomag-Betriebs-A. G., Plauen in Vogtland, Germany
Application September 17, 1934, Serial No. 744,458
In Germany July 4, 1932
3 Claims. (Cl. 77—56)



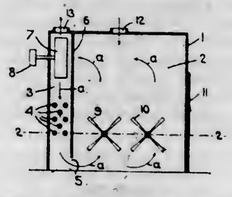
3. A chuck comprising a driving member, a two-part boring rod comprising a part to be attached to the driving member and a part to which a tool is to be attached, an annular tapered rib on one of said parts engaging a complimentarily shaped groove in the other of said two parts, said rib and groove being concentrically disposed with respect to the axis of the chuck and the boring rod, a hinge connecting these two parts with one another in such a manner that the part carrying the tool is movable transversely to the longitudinal axis of the boring rod, a compressive spring arranged between said parts at a place diametrically opposite to said hinge, and means engaging the driving member for pressing the two boring rod parts against one another and also securing them to the driving member.

2,040,226
COLOR PRINTING ATTACHMENT FOR WEB PRINTING PRESSES
Edward J. Watkins, Monrovia, Calif.
Application December 10, 1934, Serial No. 756,736
2 Claims. (Cl. 101—173)



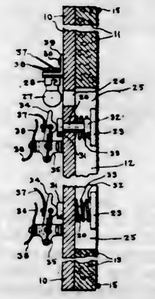
1. A flat bed web printing press comprising a printing mechanism and two rigid feed rollers, one of which feeds a web to the printing mechanism and the other of which discharges the web from the printing mechanism, in combination with an auxiliary printing cylinder having a resilient printing face thereon and positioned to print on the web as the latter passes over one of said feed rollers whereby the rigid feed roller constitutes a backing member to compress the web against the auxiliary printing cylinder, and means for driving said auxiliary cylinder in synchronism with said feed roller.

2,040,227
APPARATUS FOR DRYING AND HEAT TREATING MATERIAL
Frederik Wernersson, Copenhagen, Denmark
Application May 24, 1935, Serial No. 23,212
1 Claim. (Cl. 34—19)



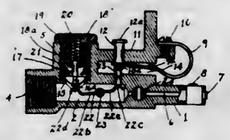
A device for drying material with subsequent heat treatment comprising a casing divided by a vertical partition into a drying chamber and a heating chamber, said chambers communicating with each other at both the top and the bottom, heating means in the heating chamber, means to recirculate the drying medium through said chambers successively, two fans in the drying chamber on opposite sides thereof, one being located adjacent the heating chamber and the other adjacent the side of the drying chamber opposite the heating chamber, said fans operating to direct currents of drying medium across the drying chamber in opposite directions and out of line with each other and transverse to the general recirculating movement of the drying medium through the drying chamber, thereby to form a local recirculating movement within the drying chamber in a direction at right angles to said general recirculating movement, whereby the heated medium which is delivered to the drying chamber is evenly distributed and a substantially uniform temperature is maintained throughout the drying chamber.

2,040,228
BASEBALL PITCHING GAME DEVICE
Frank A. Whiteley, Minneapolis, Minn.
Application October 12, 1935, Serial No. 44,742
15 Claims. (Cl. 273—26)



1. A baseball pitching game device comprising a backstop including a strike area, means caused to be operated by a pitched ball hitting within the strike area for indicating the exact position vertically and horizontally of the point in said strike area hit by the pitched ball, and means protecting said indicating means and concealing it until it is so caused to operate.

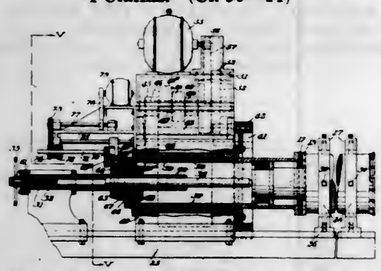
2,040,229
PILOT CONTROLLED VALVE
Donald B. Williamson, Pittsburgh, Pa.
Application March 29, 1934, Serial No. 717,930
1 Claim. (Cl. 158—117.1)



In a device of the character described, a body member having a passage therethrough, a valve member within said body member dividing said passage into inlet and outlet passages, a spring normally urging said valve member to closed position, a tubular extension integral with said body having a pilot jet on its end remote from the body and communicating with said outlet passage, a lever pivotally mounted intermediate its ends in said outlet passage, one end of said lever being positioned to engage said valve member, a plunger mounted in a wall of said outlet passage in position to engage the end of said lever remote from said valve member, an arm on said valve body extending in spaced parallel relation to said outlet passage, said plunger extending through said arm whereby it may be manually actuated to open said valve member, a bowed bimetallic thermostat rigidly mounted on said arm with the bowed portion in position to be heated by said pilot jet, said

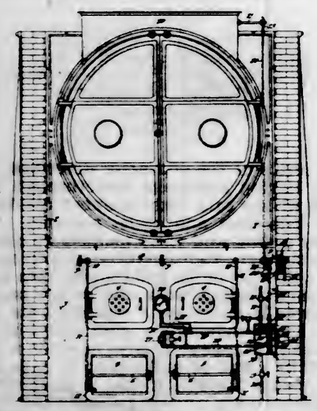
thermostat having a portion extending between said arm and said body and engaging said plunger whereby said thermostat holds said valve member in open position when heated by said pilot.

2,040,230
ROLL NECK MILLING MACHINE
Bert A. Wilson, Pittsburgh, Pa., assignor to Pittsburgh Rolls Corporation, Pittsburgh, Pa., a corporation of Virginia
Application October 4, 1932, Serial No. 636,162
4 Claims. (Cl. 90—14)



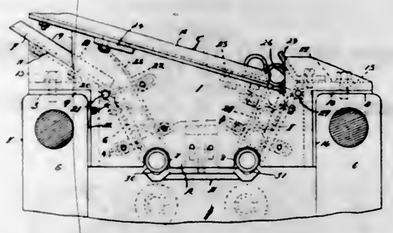
1. In apparatus for machining roll necks, a sleeve, a plurality of cutters carried thereby with the principal cutting edge of each cutter approximately in a plane normal to the axis of the sleeve, means for rotating said sleeve, a spindle for engaging the end of a work-piece, a hollow screw surrounding said spindle, positive means for positioning said spindle and screw, and means cooperating with said screw for feeding said cutter carrying sleeve relative to the work-piece.

2,040,231
COMBUSTION CONTROLLING DEVICE FOR FURNACES
Bradford G. Woolley, Providence, R. I., assignor to Hammel Oil Burning Equipment Company, Inc., Providence, R. I., a corporation of Rhode Island
Application January 12, 1934, Serial No. 706,382
17 Claims. (Cl. 158—1)



1. In combination with a furnace, a burner therefor, a conduit for feeding fuel to the burner, a valve in said conduit for controlling the feed, a second conduit for feeding air or steam to atomize the fuel supplied to the burner, a valve in said second conduit for controlling the last-named feed, cams for operating said valves in synchronism, and a slide having a straight line motion for actuating the cams in unison.

2,040,232
CHUTE ASSEMBLY
George F. Yager, Toledo, Ohio, assignor to The Bunting Brass & Bronze Company, Toledo, Ohio, a corporation of Ohio
Original application December 15, 1930, Serial No. 502,526. Divided and this application July 3, 1933, Serial No. 678,977
18 Claims. (Cl. 90—33)



1. In a machine of the class described, a bracket having a substantially flat upright side and having an opening extending transversely thereof, and means for delivering work to a point in substantially horizontal alignment with the opening including a chute having two runways arranged substantially end to end, one of said runways being fixed to the bracket, and having a portion of substantially L cross section cooperating with the flat side aforesaid of the bracket to form a channel for the work, and the other of said runways being pivotally connected to the bracket and substantially L-shape in cross section whereby said runway and flat side aforesaid of the bracket form a channel for the work.

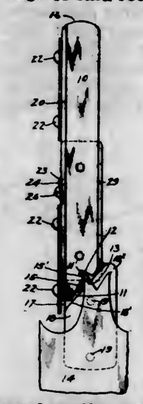
2,040,233
METHOD OF PREPARING CONTACT CATALYSTS
Homer Adkins, Madison, Wis.
No Drawing. Application June 8, 1932, Serial No. 616,093
28 Claims. (Cl. 23—236)

1. A process of preparing contact catalysts comprising the steps of levigating a foraminous carrier in the presence of a soluble salt of a metal having an atomic weight between 57 and 64, introducing a basic carbonate into the levigate, and reducing the precipitated metal carbonate in situ upon the carrier.

2,040,234
SAW SWAGING TOOL
Gustaf Anderson, Seattle, Wash.
Application February 8, 1932, Serial No. 591,707
3 Claims. (Cl. 76—56)

1. A device of the character described, a bar having at one end a corner portion cut off to provide an obliquely straight anvil face and a guide-face approximately at right angle therewith; said guide-face forming a tooth-stop adjacent said anvil face and spaced therefrom by an inwardly extending recess having the lower edge thereof approximately parallel with said anvil face, for the free and unobstructed reception of the curved portion of one point of a raker tooth disposed

against said anvil face, there being a space between the lower edge of said recess and the under



surface of the curved portion of said tooth point, for the purpose described.

2,040,235
METHOD OF MAKING WEATHERPROOF SOCKETS
Clinton Bateholts, Hoosick Falls, N. Y., assignor to Specialty Insulation Manufacturing Company, Inc., Hoosick Falls, N. Y., a corporation of New York
Original application May 4, 1932, Serial No. 609,067. Divided and this application May 28, 1935, Serial No. 23,840
3 Claims. (Cl. 18—59)

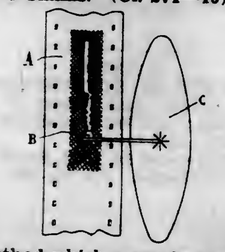


1. A method of making a socket for electrical connection, comprising the forming, independently of each other, of a hollow cup insulating housing having a recess in its interior wall spaced from the mouth of the housing, and a metallic terminal shell to be housed thereby; the connecting of conductor wires permanently to the terminals of said shell; inserting the conductor wires through holes in the bottom of the formed housing; depositing a plastic sealing compound in the housing; drawing the shell into the housing, thereby expressing the compound into sealing position; deforming a portion of the shell into the said recess of the housing, to lock the shell within the housing; and allowing the sealing compound to harden in said sealing position.

2,040,236
PROCESS OF MAKING BONDED SILICON CARBIDE REFRACTORIES
Raymond C. Benner and George J. Easter, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Pennsylvania
No Drawing. Application June 30, 1932, Serial No. 620,280
5 Claims. (Cl. 106—9)

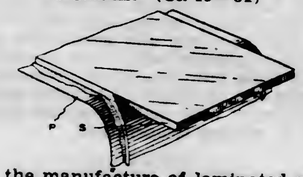
1. The step in the method of making silicon carbide refractories containing at least eighty per cent of silicon carbide with the remainder composed substantially of magnesium aluminate, which step comprises heating up the refractory mixture rapidly in a non-oxidizing atmosphere to a temperature at which the bond softens, the firing being continued long enough to soften the bond but not long enough to cause recrystallization of the silicon carbide.

2,040,237
PROCESS FOR THE OBTAINMENT OF PHOTOGRAPHIC SOUND FILMS
Rodolphe Berthon, Neuilly-sur-Seine, France, assignor, by mesne assignments, to Kislyn Corporation, New York, N. Y., a corporation of Delaware
Application May 8, 1930, Serial No. 450,814
In France May 10, 1929
3 Claims. (Cl. 274—46)



1. The method which comprises moving a film comprising a relatively translucent support having thereon a coating of relatively opaque plastic material, vibrating in a direction parallel to the face of the film a recording member having an edge extending parallel to said face and greater in width than the extent of the vibration, thereby removing said coating to form a relatively translucent area extending along the film and having edges corresponding in form to said vibrations.

2,040,238
MANUFACTURE OF LAMINATED GLASS
Frederic L. Bishop, Fox Chapel Manor, Pa.
Application February 25, 1933, Serial No. 658,599
9 Claims. (Cl. 49—81)

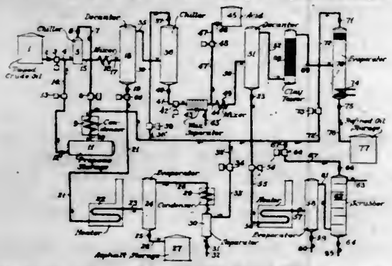


1. In the manufacture of laminated glass, the steps comprising flowing a liquid strengthening material on a glass sheet, controlling the viscosity of the liquid strengthening material to cause it to cut off along the edges of the glass sheet, and thereafter drying the coating.

2,040,239
PROCESS FOR PRODUCTION OF LUBRICATING OILS
Ulric B. Bray, Palos Verdes Estates, and Claude E. Swift, Glendale, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application February 13, 1934, Serial No. 711,026
7 Claims. (Cl. 196—13)

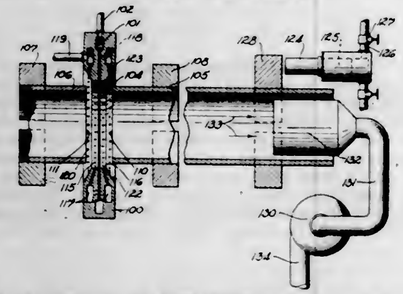
1. A process for separating asphalt from oils containing the same which comprises com-

mingling said oil with a liquefied normally gaseous hydrocarbon solvent containing propane and approximately 40% ethane to precipitate asphalt,



separating the precipitated asphalt from the oil and solvent and separating the solvent from the oil.

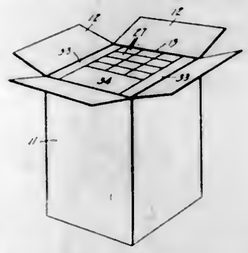
2,040,240
PROCESS OF BUTT-WELDING
Clarence J. Coberly and Robert G. Wulff, Los Angeles, Calif.; said Wulff assignor of one-half of his right to said Coberly
Application November 14, 1932, Serial No. 642,590
13 Claims. (Cl. 78—94)



1. A process of butt-welding two members, which includes the steps of: bringing the faces to be butt-welded into adjacent position; preheating the material adjacent these faces to bring said faces to ignition temperature; directing a high velocity cutting jet which neither diverges nor converges any substantial amount while moving between said faces, thereby trimming said faces into parallelism; removing said cutting jet; and immediately bringing said faces into engagement with each other and while said faces are at welding temperature.

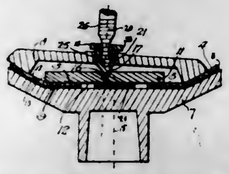
2,040,241
SHIPPING AND DISPLAY CONTAINER
Michael P. Cortilet, Chicago, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application May 31, 1933, Serial No. 673,656
4 Claims. (Cl. 206—44)

1. A combination shipping and display container, comprising a display holder adapted to retain a plurality of different sizes of articles in shipping and display positions, said holder having a horizontal bottom which is shaped to support one tier of articles of a given size and having surrounding walls which snugly hold these articles in a predetermined arrangement, the rear wall of said holder aligning the back edges of the articles in the lower tier with the back edges of the smaller articles in other superimposed tiers, each side wall of said holder being folded upon itself to constitute rearwardly inclined reenforced walls of double thickness permitting clear visibility of the superposed tiers of articles carried by the display holder, said arrangement constituting a combination display and shipping position for the articles, all of the articles in each tier being of the same given size which is



larger than those in the next tier directly above, and a shipping case for enclosing said holder and its positioned articles while retaining their arrangement, said display holder with its individual articles providing an article display unit which may be easily withdrawn from the shipping case when used in its display capacity.

2,040,242
METHOD AND MEANS FOR SURFACING SOLID BIFOCAL LENSES
Henry A. Courmettes, Brooklyn, N. Y.
Application May 23, 1932, Serial No. 612,971
4 Claims. (Cl. 51—131)

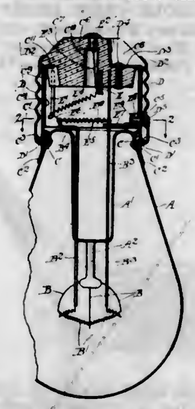


2. A device to aid in surfacing solid bifocal lenses and to hold two lens surfacing laps in a substantially common axis of rotation, consisting of a onepiece member shaped to comprise a pivot pin, an internal pivot center co-axial with said pivot pin, an external threaded wall, and a screw-nut head, as set forth.

2,040,243
ELECTRIC LIGHT
Charles W. Dake, Chicago, Ill.
Application April 23, 1931, Serial No. 532,255
5 Claims. (Cl. 176—31)

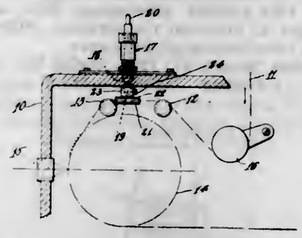
1. In combination in an electric lamp, a bulb, a shell secured to said bulb, a second shell positioned about said first shell, a breakable member joining them, the shells adapted to have relative rotational movement when the breakable member is broken, a latch movably mounted and adapted in one position to lock the shells against relative rotation, means destructible by heat, normally holding the latch in inoperative position, a filament within said bulb, a resistance element of greater resistance than that of the filament, and a second resistance element of less resistance whereby when the filament is intact current will flow through the latter, and whereby when the filament

is broken, the current will flow through the last



mentioned resistance to heat the same and thereby to destroy the destructible element.

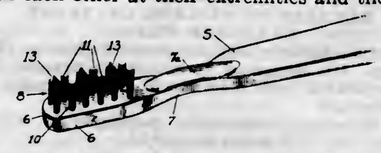
2,040,244
IMPROVED MOTION PICTURE CAMERA
Olindo O. Ceccarini, Beverly Hills, Calif., assignor to Metro-Goldwyn-Mayer Corporation, Culver City, Calif., a corporation of New York
Application January 31, 1930, Serial No. 424,840
2 Claims. (Cl. 88—16.2)



1. In a motion picture camera, a substantially cylindrical hollow stud provided with one closed end and one open end, an axial bore in said stud, threads formed in the outer surface of said stud at its open end whereby said stud may be threadedly connected to a longitudinally directed wall in a camera, a radially extending shoulder carried by said stud at the closed end thereof, a freely rotatable substantially cylindrical sleeve carried by said stud, said sleeve being of substantially the same diameter as said radially extending shoulder, said sleeve being spaced from said shoulder axially of said stud, a radial light passage in said stud from said bore to a point between said shoulder and sleeve, means for illuminating said axial bore of said stud, and means for maintaining light sensitive film substantially in contact with said sleeve.

2,040,245
TOOTH BRUSH
Ronald A. Crawford, La Mesa, Calif.
Application May 20, 1935, Serial No. 22,341
2 Claims. (Cl. 15—167)

1. A tooth brush having two substantially parallel longitudinally extending rows of tufts of bristles, alternate bristle tufts of each row being inclined and thereby brought into contact with each other at their extremities and the extremities of the intervening bristle tufts being in spaced relation to each other.



2,040,246
SUPPORT AND HAIR COVERING FOR EAR-PHONES
Edith P. Donoher, Salt Lake City, Utah
Application December 11, 1934, Serial No. 757,053
5 Claims. (Cl. 181—25)



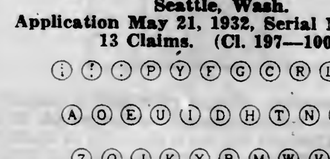
1. In a device for supporting an earphone, a member adapted to receive and support an earphone, hair fastening elements on opposite sides of said member for clamping engagement with the hair of the wearer to removably support the device in any position against the ear.

2,040,247
GRAVURE PRINTING PROCESS
Arthur Dultgen, Queens Village, N. Y.
Application February 9, 1933, Serial No. 655,930
Renewed October 2, 1935
1 Claim. (Cl. 95—5.7)



The method of producing intaglio printing surfaces comprising exposing a soft working or continuous tone positive plate to a continuous tone negative of a desired image through a half tone screen formation to produce varying sized dots of varying tone densities in accordance with the corresponding tone values of the image to be reproduced, exposing the screened positive on sensitized carbon tissue, applying the tissue to a printing surface, and etching.

2,040,248
TYPEWRITER KEYBOARD
August Dvorak and William L. Dealey, Seattle, Wash.
Application May 21, 1932, Serial No. 612,738
13 Claims. (Cl. 197—100)



10. A typewriter keyboard having the letters arranged in three rows, in which the letters in the home row are arranged consecutively *a*, *o*, *e*, *u*, *i*, *d*, *h*, *t*, *n*, *s*, the upper row contains the letters *p*, *y*, *f*, *g*, *c*, *r* and *l*, and the lower bank contains the letters *z*, *q*, *j*, *k*, *x*, *b*, *m*, *w* and *v*.

2,040,249
RETARDING STALING OF YEAST LEAVENED BREAD
Albert K. Epstein and Benjamin R. Harris, Chicago, Ill., assignors to Standard Brands, Incorporated, New York, N. Y., a corporation of Delaware
No Drawing. Application November 15, 1933, Serial No. 698,164
6 Claims. (Cl. 99—90)

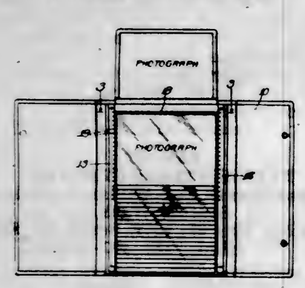
1. A bread dough batch including flour, aqueous material, yeast as a leavening agent, and approximately one-half per cent of xylose.

2,040,250
BATTERY TERMINAL CLAMP
Henry Eulberg, Ocean Beach, Calif., assignor to Louise D. Eulberg
Application April 18, 1932, Serial No. 605,853
11 Claims. (Cl. 173—259)



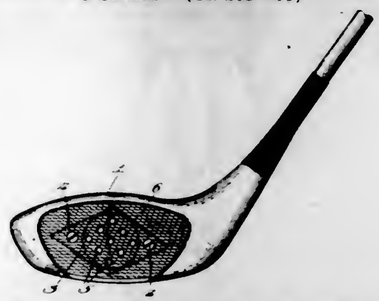
1. A battery terminal clamp comprising, a battery terminal receiving loop member, a bolt and a separate wedge shaped nut for constricting said loop member, and a cable engaging and clamping means including a first clamp element formed by one side of said nut, and a second clamp element integral with said loop member, said loop member being of sufficient strength to withstand a predetermined constricting force whereby said clamping means secures said cable before said loop member is constricted.

2,040,251
PHOTOGRAPH DISPLAY APPARATUS
Herman Fabry, Evanston, Ill.
Application December 20, 1935, Serial No. 55,337
8 Claims. (Cl. 40—102)



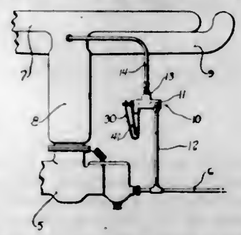
1. In combination, a support, a pair of parallel spaced flanges perpendicularly arranged on said support, said flanges having a plurality of spaced transverse apertures, a transparent envelope adapted to receive a photograph, hinge means at one side edge of said envelope, a wire in said hinge means, said wire being longer than the space between said flanges, said envelope, photograph, hinge and wire being adapted to be bowed in order to insert the ends of the wire in the apertures in said flanges.

2,040,252
GOLF CLUB HEAD
William Henry Farrington, Chicago, Ill.
Application May 5, 1934, Serial No. 724,030.
5 Claims. (Cl. 273—78)



1. A golf club head having in the driving face a cavity covering a comparatively large area, a metal abutment engaged with the bottom of the cavity and presenting a free edge following the margin of the cavity and lying in the plane of that part of the face surrounding the cavity, and a resilient cover member for the cavity fixed to said face and resting against said edge of the abutment.

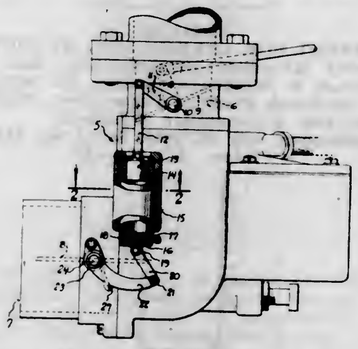
2,040,253
AUTOMATIC PRIMER FOR INTERNAL COMBUSTION ENGINES
John W. Fitz Gerald, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application March 12, 1934, Serial No. 715,136
6 Claims. (Cl. 123—187.5)



4. In combination with an internal combustion engine, an automatic priming device comprising, a body having two fuel passages connected in parallel through which fuel may pass simultaneously for admission to the engine, a valve to close each passage, a piston connected with one valve and responsive to engine suction for closing said valve, a spring tending to hold the other valve open, and independent bi-metallic members anchored to said body and connected at their outer free ends with the valves for controlling the actuation of the valves by said piston and spring.

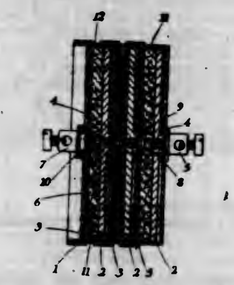
2,040,254
CARBURETOR
John W. Fitz Gerald, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application August 13, 1934, Serial No. 739,625
3 Claims. (Cl. 261—52)

1. In a carburetor having a fuel supply and an air supply, a choke valve to control the air supply, a spring reacting against a fixed abutment and acting upon the choke valve to bias the same toward open position, a throttle valve to control the flow of carbureted fuel-air mixture from the carburetor, means for opening and closing the throttle valve, and a connection between the throttle valve and choke valve whereby sudden opening of the throttle valve closes the choke valve while gradual opening of the throttle valve permits the choke valve to remain in its open



position, said connection including a cylinder connected with the choke valve to move directly in accordance therewith at all times and to be acted upon by the choke valve spring, and a piston connected with the throttle valve to move therewith at all times operating in said cylinder.

2,040,255
ELECTRIC BATTERY
Christian Jensen Gordon, London, England
Application September 11, 1934, Serial No. 743,545
In Great Britain October 11, 1933
2 Claims. (Cl. 136—111)

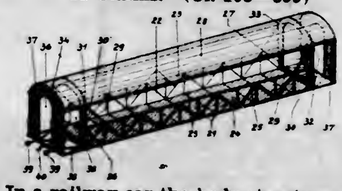


1. An electric primary battery of the pile type comprising two insulating cups the one fitting into the other, one of the cups having an aperture in its base, an electrode of one material disposed on one side of the said base, an electrode of another material disposed on the other side of the said base, and a screw member made of the same material as one of the electrodes and passing through an aperture in the said electrode and through the aperture in the base and entering a tapped hole in the other electrode, the arrangement being such that the screw member and the electrode made of a material different from that of the screw member, are in contact only in the enclosed space bounded by the two electrodes and the wall of the aperture in the base, which space is closed in liquid-tight manner by the action of the screw member.

2,040,256
FILLING MATERIAL
Francis R. Grant, Champaign, Ill., assignor to Board of Trustees of the University of Illinois, Urbana, Ill.
No Drawing. Application July 3, 1933, Serial No. 678,924
5 Claims. (Cl. 106—23)

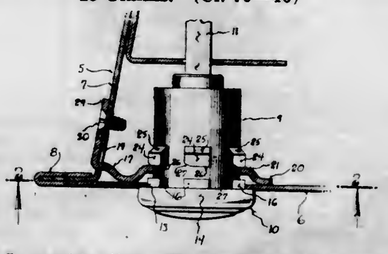
1. The process of producing a filler for sewer pipe joints, brick and other pavements and the like and for other purposes, which comprises heating asphalt to a temperature above that at which rubber becomes tacky, introducing tacky rubber in finely divided condition into said asphalt, and heating the mixture to a still higher temperature.

2,040,257
SKELETON STRUCTURE FOR RAILWAY CARS
Fritz Heyner, Hanover, Germany, assignor to Franz Kruckenberg and Curt Stedefeld, both of Hanover, Germany
Application March 10, 1933, Serial No. 660,283
In Germany March 9, 1932
11 Claims. (Cl. 105—399)



1. In a railway car the body structure of which consists of bar-work or frame-work, longitudinally extending side wall trusses of slight height having the upper chords thereof positioned entirely below the continuously extending window openings, upwardly extending non-flexible members rigidly secured to the ends of the side wall trusses, and a compression- and collapse-resisting roof structure connected to the upper ends of said members to provide a stress-carrying element of the body structure.

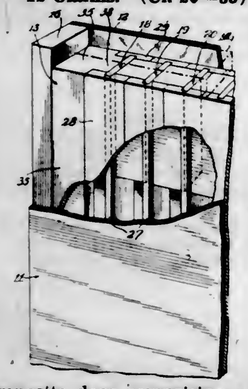
2,040,258
MOUNTING MEANS FOR AUTOMOBILE DOORLOCKS
Edward N. Jacobi, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a corporation of Delaware
Application August 27, 1934, Serial No. 741,538
19 Claims. (Cl. 70—46)



1. In combination with a lock and an apertured wall to which the lock is to be secured, means to secure the lock to the wall comprising, a lug on the lock having a wall spaced from said apertured wall, and a fastening member having an aperture to receive the lock and a recess communicating with said aperture to allow for the passage of said

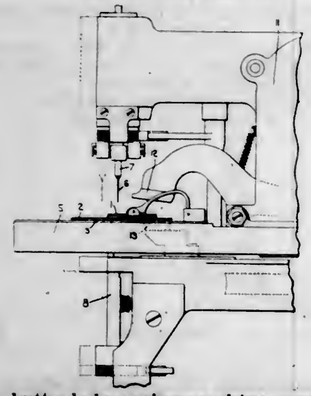
lug, said fastening member being rotatable about the lock to move its recess out of alignment with the lug and to engage a portion of said member with the wall of the lug adjacent the apertured wall.

2,040,259
COMPOSITE DOOR
Fred A. Johnson, Chicago, Ill., assignor to Fred A. Johnson, Jr., Chicago, Ill.
Application October 11, 1935, Serial No. 44,509
12 Claims. (Cl. 20—35)



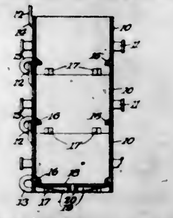
1. A composite door comprising a plurality of pieces of finishing lumber for covering outside surfaces of a door frame, and a frame comprising a multiplicity of substantially I beam shaped members having flat surfaces for engaging the external finishing lumber and for engaging each other, said flat surfaces being glued together.

2,040,260
BUTTONHOLE SEWING MACHINE
Michael J. Kenny, Mentor Township, Lake County, Ohio, assignor to The Reece Button Hole Machine Company, Boston, Mass., a corporation of Maine
Application October 8, 1931, Serial No. 567,560
Renewed November 9, 1933
4 Claims. (Cl. 112—76)



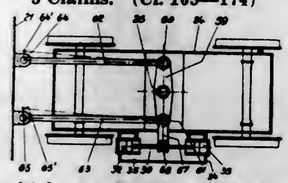
1. A buttonhole sewing machine comprising a needle operating above the work and adapted to make slit thrusts and depth thrusts through the work, work-holding means comprising means to clamp the work each side of the buttonhole slit while leaving an unclamped zone immediately circumjacent the buttonhole slit which is somewhat wider than the zone bounded by the depth thrusts of the needle and a throat plate situated beneath the work and supporting the unclamped portion thereof immediately circumjacent the buttonhole slit, which throat plate moves relative to the work as the sewing proceeds, the advancing end of the throat plate being situated substantially at right angles to the direction of movement.

2,040,261
BASKET FOR CARBURIZING RETORTS
Henning Klouman, Michigan City, Ind., and Lawson H. Whiteside, Chicago, Ill., assignors to Michiana Products Corporation, Michigan City, Ind., a corporation of Indiana
Application July 25, 1935, Serial No. 33,040
4 Claims. (Cl. 263—47)



1. A carburizing basket comprising a stack of like superposed cylindrical openwork enclosing wall sections and having an unobstructed interior and complementary means circumferentially carried by said sections for securing the same together when one section is slightly rotated relative to the adjacent section in one direction, and for releasing said sections when relatively rotated in the opposite direction.

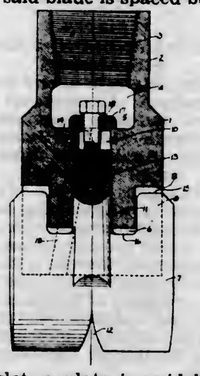
2,040,262
TRUCK PIVOT DAMPING
Franz Kruckenberg, Curt Stedefeld, and Willy Black, Hanover, Germany; said Black assignor to said Kruckenberg and said Stedefeld
Application January 31, 1933, Serial No. 654,540
In Germany February 10, 1932
5 Claims. (Cl. 105—174)



4. In a high speed rail car including a car body and bogie trucks supporting said car body and mounted to swivel pivotally upon a center pin and to swing laterally relative to said car body, mechanism for damping the pivotal vibrations of the truck comprising a liquid braking device and means preferentially responsive to pivotal movements of the truck mechanically connecting said liquid braking device with both the truck and the car body.

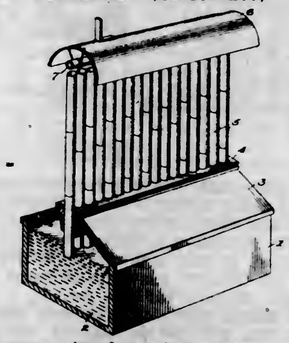
2,040,263
DETACHABLE BLADE BIT
Leslie A. Layne and Harold C. Block, Houston, Tex.; said Block assignor to said Layne
Application February 4, 1933, Serial No. 655,198
4 Claims. (Cl. 255—61)

1. A fish tail well drill including a head having a diametrical slot at its lower end, an axial upwardly-tapered socket in said head, a shoulder in said head at the upper end of said socket, a fishtail blade, a tapered shank thereon shaped to form a wedging fit in said socket when the upper end of said blade is spaced below the upper



end of said slot, a plate in said head engaging said shoulder, and a bolt extending through said plate and screwed within the upper end of said shank to secure said blade to said head.

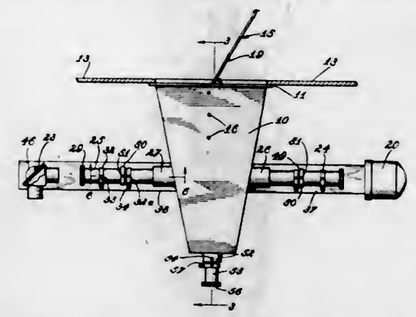
2,040,264
APPARATUS FOR AGING WHISKY OR OTHER ALCOHOLIC BEVERAGES
John Mancini and Nicholas Di Archangel, New York, N. Y.
Application January 25, 1934, Serial No. 708,299
3 Claims. (Cl. 99—277)



1. An apparatus for aging whisky or other alcoholic beverages including a closed container for a body of liquid, a longitudinally extending ultra-violet ray tube or burner supported a substantial distance above and outside of the container, and a plurality of quartz rods spaced longitudinally with respect to the tube or burner with their upper ends adjacent thereto but spaced therefrom and their lower ends projecting at spaced points into the container and immersed a short distance into the body of liquid within the container.

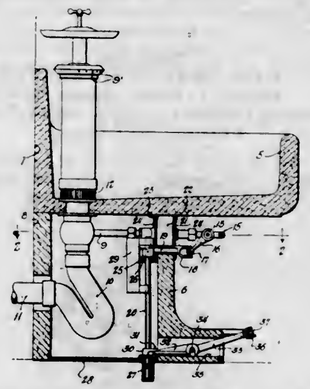
2,040,265
SMOKE INDICATOR
Thomas W. McNeill and Frederic McNeill, Chicago, Ill.; said Frederic McNeill assignor to said Thomas W. McNeill
Application March 7, 1932, Serial No. 597,146
12 Claims. (Cl. 88—14)

1. A smoke indicating device comprising a housing forming a chamber substantially closed except on one side, means for readily attaching the open side of said housing to a smoke conduit, detachable deflecting means mounted on the housing and projecting into the interior of the conduit for causing at least a portion of the smoke from the smoke conduit to enter into and pass



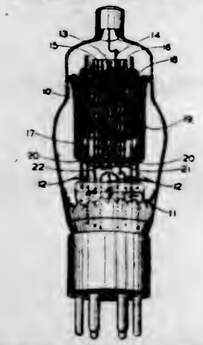
through said housing back into said conduit, and a transparent panel located in the wall of said housing through which the interior of the smoke chamber may be viewed.

2,040,266
WASHFOUNTAIN
Howard A. Mullett and Herman E. Heine, Milwaukee, Wis., assignors to Bradley Washfountain Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 3, 1933, Serial No. 678,778
5 Claims. (Cl. 4—191)



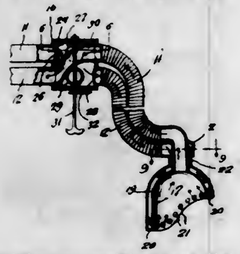
1. In a washfountain, the combination of a washbasin of substantially semi-circular form, a water supply pipe, a water distributing means connected with said supply pipe and disposed above said basin for directing water into the same, a valve controlling the flow of water to said distributing means, a reciprocal member for controlling said valve including a vertically movable rod, a lever disposed beneath the basin for moving said rod, an actuator of semi-circular form disposed beneath the basin and operatively connected at its medial portion with said lever, and means pivotally connected with the ends of said actuator for supporting the same in operative position.

2,040,267
ELECTRON DISCHARGE DEVICE
Richard T. Orth, Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 4, 1933, Serial No. 696,610
4 Claims. (Cl. 250—27.5)



1. An electron discharge tube comprising a hermetically sealed glass envelope enclosing an electrode assembly which comprises a thermionic cathode and a cooperating tubular anode, a plurality of grid electrodes positioned between said cathode and said anode, a pair of spaced parallel metal rods independent of said grid electrodes and extending lengthwise through said anode, a pair of metal shields positioned on and in electrically conducting engagement with said spaced rods at opposite ends of said cathode and said anode, an electrical connection between said cathode and one of said shields, and a mesh screen electrode surrounding said anode and electrically connected to and supported by one of said shields.

2,040,268
HAIR DRYING APPARATUS
Harvey L. Orton, Akron, Ohio
Application February 3, 1932, Serial No. 590,712
2 Claims. (Cl. 34—26)

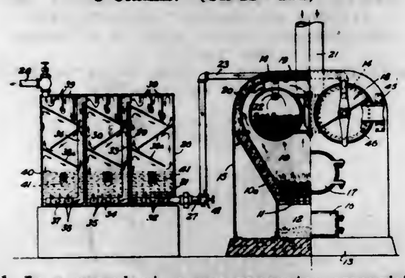


1. A hair drier comprising parallel hot air and cold air conduits, means for forcing air from said cold air conduit and hot air to said hot air conduit, a hair drying hood having spaced inner and outer walls, said inner wall of the hood having openings therethrough adjacent its lower edge, means connecting the top of said hood with said cold air conduit and with the latter normally communicating directly with the space between the inner and outer walls of said hood, means connecting the top of said hood with said hot air conduit and with the latter normally communicating directly with the interior of said hood, and a reversing and shut-off valve between said conduits and said hood, said valve being operable to place the cold air conduit in direct communication with the interior of the hood and simultaneously place the hot air conduit in direct communication with the space between the inner and outer walls of said hood, at will.

2,040,269
MELTING AND HANDLING CADMIUM AND ITS ALLOYS
Albert J. Phillips, Metuchen, and Carl E. Swartz, Highland Park, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application June 12, 1934, Serial No. 730,253
2 Claims. (Cl. 75—71)

1. The process for maintaining a molten bath of cadmium or cadmium alloy over an extended period of time which consists in imparting to said bath, and maintaining therein, a zinc content not exceeding approximately 0.1% which is sufficient to inhibit the formation of detrimental, flocculent cadmium oxide but which is insufficient to impart to the bath a zinc content appreciably in excess of that necessary to inhibit the formation of the undesired oxide.

2,040,270
GAS GENERATOR
David Franklin Pool, Washington, D. C.
Application June 13, 1933, Serial No. 675,631
5 Claims. (Cl. 48—111)



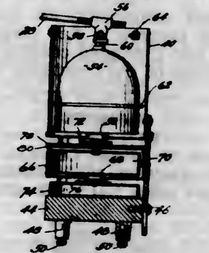
1. In a gas plant, a gas generator comprising a furnace having upwardly and outwardly flaring side walls and vertical end walls, a pair of parallel retorts extending lengthwise of the furnace and mounted in the upper portion but spaced from the top thereof, gas-tight closures for said retorts, gas offtakes for the retorts, a pair of vertically spaced partitions between the retorts forming a flue for the passage of waste gases, the lower partition extending the entire length of the furnace and the other terminating short of the front wall, providing an opening, and a chimney communicating with the opposite end of the flue.

2,040,271
HANDBAG
David Rosenzweig, Perth Amboy, N. J.
Application March 12, 1936, Serial No. 68,428
3 Claims. (Cl. 150—42)



1. A handbag including a bag, a rigid arcuate channel frame member, a companion strip spring frame member, a plate extending along the channel member interiorly thereof and being secured to the inner flange of the channel member, said plate having a longitudinal lip overlying the inner flange and also overlying the spring frame member in the bag closing position thereof, said plate having hinge end portions at the ends of the channel frame member, said spring frame member having its ends connected to said hinge ends so as to snap into open and closed position in outward and inward bowed relations to the channel member, the bag having one side wall encasing the spring frame member and the opposite side wall being extended over the outer flange of the channel member and secured therein; the said plate being of yieldable metal and the hinge portions thereof being outside of the channel member so as to be bendable toward and away from the spring frame member for adjusting the relation between the latter and the channel member.

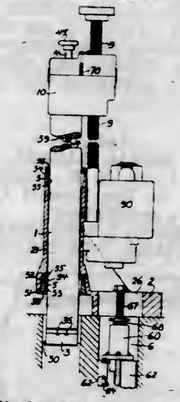
2,040,272
FLOAT VALVE
Arthur P. Ricard, Slater, Mo.
Application December 6, 1934, Serial No. 756,218
3 Claims. (Cl. 137—104)



1. In a flush box having a water inlet and outlet pipe respectively in connection therewith, and a valve in each pipe respectively; means within the box for opening and closing the valve in the inlet pipe comprising a receptacle having an open top and an outlet port formed therein, a float in the receptacle having connection with said inlet pipe valve, a tray below the receptacle having an outlet opening formed therein, a float within the tray having a plate thereon for closing the outlet port in the receptacle, and a float below said tray having a plate thereon for closing the outlet opening in the said tray.

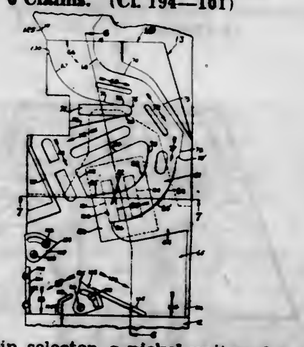
2,040,273
PORTABLE BORING MACHINE AND BORING BAR THEREFOR
Clarence T. Rottler, Seattle, Wash.
Application November 22, 1932, Serial No. 643,860
15 Claims. (Cl. 77—2)

1. In a cylinder reboring machine, in combination, a base frame adapted to rest upon the top of a cylinder block to be bored, and including a guide bracket vertically disposed, a cylindrical boring bar received within said bracket and vertically movable therein, said bracket having a pair of vertically spaced bearing surfaces surrounding the boring bar and each inclined steeply relative to and inwardly and downwardly toward the latter's axis, and a readily contractible and expansible split ring cooperating with each bearing surface, each ring having an outer surface complementally inclined to and seating upon its related bearing surface, and further having an inner surface closely embracing the boring bar, whereby downward movement of the boring bar frictionally constricts the rings to cause them to press inward substantially equally from all sides against the boring bar, to maintain the latter in precise alignment with the axis of the cylinder being bored during advance of the boring bar, and whereby upward movement of the boring bar frees the boring bar from such constriction.



12. In a cylinder reboring machine, a longitudinally projectable and retractable boring bar, a rotary cutter head carried thereby, a tool holder removably mounted in the cutter head and projectable and retractable relative thereto laterally relative to the boring bar, a cutting tool mounted on said holder for adjustment relative thereto, means to secure the tool in adjusted position relative to the holder, means tending constantly, when the holder is placed in the cutter head, to move the holder to and to retain it in a retracted position in which the tool is retracted from its cutting position, and means carried by the boring bar for cooperation with the tool holder to project and to releasably hold the latter in a single definite predetermined position relative to the cutter head, thereby to project the tool to and to releasably hold it in cutting position as predetermined by adjustment of the tool relative to the holder.

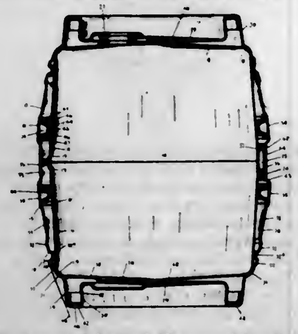
2,040,274
COIN SELECTOR
William H. Rowe, New York, N. Y.
Application December 5, 1933, Serial No. 700,984
Renewed October 2, 1935
6 Claims. (Cl. 194—101)



1. In a coin selector, a nickel unit and a dime unit, each of said units including a base member and a cover plate, the base members abutting each other and with means between each base and cover plate to form a chute, an armature plate in the base of said dime unit, a magnet opposite said armature plate, said nickel unit chute in-

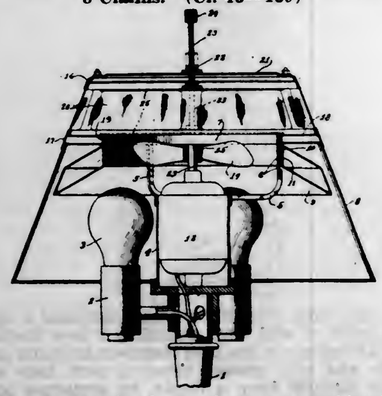
cluding an entrance portion communicating with a raceway therebelow, a magnet in the base of said nickel unit and a magnet in the cover plate of said nickel unit, the poles of said two nickel unit magnets being in opposed relation to each other, the base of said nickel unit having an aperture therein said aperture being disposed in the portion of the base defining the nickel chute, said aperture being in alignment with said first mentioned armature plate.

2,040,275
METAL BARREL
Charles Seitz, Utica, N. Y., assignor, by mesne assignments, to The Bossert Company, Inc., Utica, N. Y., a corporation
Application March 7, 1934, Serial No. 714,439
3 Claims. (Cl. 220—10)



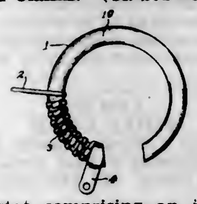
1. In a metal barrel the combination of an inner receptacle consisting of two pot-shaped halves, each having an outwardly extending flange at the free end of the side wall, said flanges engaging and being fastened face to face, each flange having on its non-engaging face a recess opening outwardly and towards its end of the barrel and a barrel-shaped casing consisting of two halves having the free edges of the casing halves entering the said recesses of the receptacle flanges and fastened to said flange and to each other.

2,040,276
INSECT TRAP AND LAMP
Ernest G. Shinner, Chicago, Ill.
Application March 16, 1935, Serial No. 11,427
8 Claims. (Cl. 43—139)



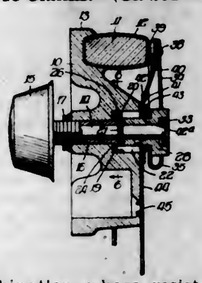
1. As an article of manufacture a combined insect trap and lamp comprising in combination a light source, a shade thereover, an insect trap seated on said shade, a valve in said trap, a valve stem projecting through the top of the trap for raising and lowering the valve, and a fan in the shade for causing an upward flow of air through the shade and trap when the valve is open and a downward flow of air from the shade when the valve is closed.

2,040,277
RHEOSTAT AND POTENTIOMETER
David T. Siegel, Chicago, Ill.
Application December 21, 1933, Serial No. 703,401
4 Claims. (Cl. 201—56)



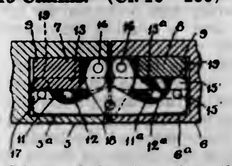
1. A rheostat comprising an insulating core having wound thereon a flat ribbon resistance element, and flat U-shaped contact clips applied to separate turns of the resistance element.

2,040,278
RHEOSTAT
David T. Siegel, Chicago, Ill.
Application April 29, 1935, Serial No. 18,785
15 Claims. (Cl. 201—55)



1. In combination, a base, resistance wires supported on said base, a shaft in the base, a contact arm connected to the shaft, means providing a cup on the end of said arm, a projection being provided on the floor of said cup, a brush seated within said cup and bearing on said projection with capacity for rocking movement thereon, a terminal, and a connection between the terminal and brush, the connection being sufficiently flexible to permit said brush to rock.

2,040,279
CONCEALED HINGE
Joseph Sees, Roselle, N. J.
Application June 8, 1935, Serial No. 25,556
15 Claims. (Cl. 16—166)



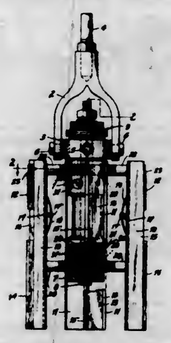
4. In a link hinge of the class described, a hinge butt, said butt having a channel extending longitudinally therethrough, the top and bottom walls of said channel having grooves arranged longitudinally thereof, the back wall of the channel of said butt being grooved longitudinally throughout the length thereof intermediate said top and bottom walls.

2,040,280
METHOD OF COPYING LENTICULATED FILMS
Felix Strecker, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application September 23, 1932, Serial No. 634,528
In Germany September 23, 1931
3 Claims. (Cl. 88—24)



1. In copying from an original lenticulated film to a copy lenticulated film, said original film having behind each lenticulation thereof a group of records representing colors corresponding to the different zones of the taking filter, the method which comprises testing the gamma values of the copy film and of the original film, projecting light through the original film to the copy film, between the two films passing the light through a color filter having zones of the same number as in the taking filter, and varying the gamma values of the records formed on the copy film by selecting for the various zones of said copy filter material adapted to transmit only light of the wave lengths that will so modify the gamma value of the copy film emulsion as to give the desired gamma values to the records formed thereon.

2,040,281
ENGINE CYLINDER GRINDING MACHINE
Joseph Sunnen, Kirkwood, Mo.
Application August 22, 1935, Serial No. 37,305
10 Claims. (Cl. 51—184.1)



1. In a cylinder grinding machine, an abrasive element comprising an elongated holder, an abrasive stone mounted in the holder adjacent to one end thereof, a guide block fixed in said holder, and supporting members for the holder.

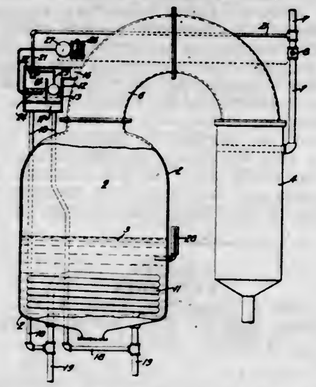
2,040,282
COATING FERROUS METALS WITH CADMIUM
Carl E. Swartz, Highland Park, N. J., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application January 30, 1933, Serial No. 654,245
10 Claims. (Cl. 91—70.2)

1. In coating ferrous metal bodies with cadmium, the improvement which comprises dipping the ferrous metal body to be coated in a molten cadmium bath containing from approximately 0.1% to approximately 10% of nickel.

2,040,283
FLUX FOR CADMIUM AND ITS ALLOYS AND METHOD FOR REGENERATING SAME
Carl E. Swartz, Highland Park, N. J., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application April 14, 1934, Serial No. 720,563
10 Claims. (Cl. 148—26)

7. A flux for cadmium and its alloys consisting of a substantially eutectic mixture of cadmium and alkali metal halides of the group comprising chlorides and bromides.

2,040,284
METHOD AND APPARATUS FOR MEASURING AND CONTROLLING ABSOLUTE PRESSURE
David Eugene Tell, San Francisco, Calif.
Application June 15, 1932, Serial No. 617,393
8 Claims. (Cl. 159—44)

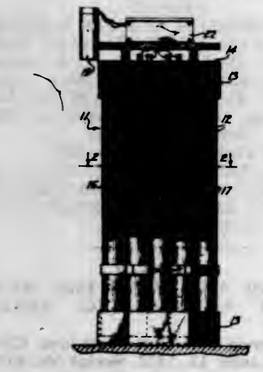


2. An apparatus for indicating the water content of boiling syrup in a vacuum pan comprising water cooled condenser means for changing the pressure in the steam space above the syrup, a valve for regulating the cooling water admitted to the condenser, a chamber partially filled with water and connected with the vacuum pan so that the space above the water in the chamber communicates with the pressure space in the pan, means for heating the water in the chamber to its boiling point, means for measuring the temperature of the boiling water in the chamber, means actuated by said temperature measuring means for controlling the condenser cooling water valve to maintain a substantially constant pressure above the syrup in the pan, and means for measuring the temperature of the boiling syrup.

3. An apparatus for indicating the water content of boiling syrup in a vacuum pan, compris-

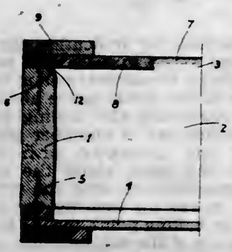
ing means for maintaining the absolute pressure above the syrup in the pan at a substantially constant value, and means for measuring the temperature of the boiling syrup.

2,040,285
METHOD OF MEASURING FLUID PRESSURE
William J. Tietz, Hinsdale, and Frank J. Lengvenis, Chicago, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 13, 1933, Serial No. 651,490
7 Claims. (Cl. 137—77)



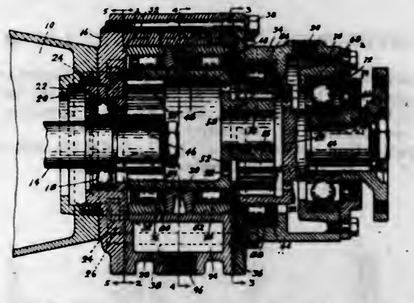
7. A method of testing a sheathed cable for hermetic defects, which comprises applying a super-atmospheric pressure to the cable at a known temperature and barometric pressure, providing a dummy cable simulating the conditions of said cable, allowing the cable to stand for some time, then determining the pressure in the cable, determining the temperature in the dummy cable, determining the barometric pressure of the atmosphere, and correlating the determined pressure in the cable with the temperature in the dummy cable and the barometric pressure of the atmosphere to determine leakage from the cable.

2,040,286
FRUIT BOX
John J. Tozzi, New York, N. Y.
Application May 13, 1935, Serial No. 21,116
1 Claim. (Cl. 217—40)



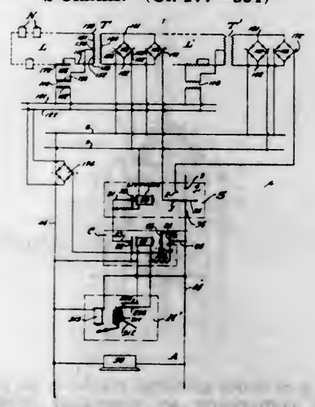
In a fruit box for small fruits adapted to be packed in an inverted position, end panels, side slats secured to and extending below the end panels, and a bottom for the box; the inner corners of the lower edges of the end panels and side slats respectively being rounded for their full length to a substantial degree.

2,040,287
REDUCTION GEARING
Walter C. Ware, Taunton, Mass., assignor to Evans Stamping and Plating Company, Taunton, Mass., a corporation of Massachusetts
Application March 16, 1933, Serial No. 661,051
6 Claims. (Cl. 74—413)



1. Reduction gearing comprising the combination of a driving shaft having a spur gear, a driven shaft having an internal gear, a speed reducing unit connecting said gears comprising a cylinder having internal gear teeth at the front end thereof that mesh with the teeth of said spur gear and having a rearwardly extended reduced section having external gear teeth that mesh with the teeth of said internal gear, and an enclosing casing for said gearing comprising a front casing section that surrounds said cylinder and a rear casing section that surrounds said internal gear, and a thrust plate interposed between said sections and overlying and engaged by the rear end of said cylinder and interposed between the confronting ends of said cylinder and said driven shaft internal gear.

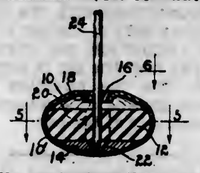
2,040,288
ALTERNATING CURRENT CONTROL SYSTEM
Foster E. Weld, Newton, Mass., assignor to The Gamewell Company, Newton, Mass., a corporation of Massachusetts
Original application February 14, 1933, Serial No. 656,664. Divided and this application March 15, 1934, Serial No. 715,596
2 Claims. (Cl. 177—354)



1. An electric signaling system of the character described comprising a source of alternating current; a plurality of signal loops each serially in-

cluding signal initiating stations, a supply transformer secondary supplied from said source and a control transformer primary; balancing circuits connected to each of said supply transformer secondaries in parallel to said control primaries, each balancing circuit having a balancing primary coupled with the respective control primary; controlled secondaries coupled to each pair of said primaries; rectifying means for each of said loops supplied from respective ones of said controlled secondaries; a direct current signal reception circuit including a signal manifesting means and a selector switch for consecutive connection of said manifesting means with respective ones of said rectifying means upon energization thereof by an abnormal signal loop; means for arresting said selector switch for connection of said manifesting means with said abnormal loop; holding means for maintaining said selector switch in arrested position; and a rectifier supplied from said source for energizing said holding means.

2,040,289
NEEDLE PROTECTOR
John H. Adams, Seattle, Wash.
Application May 29, 1934, Serial No. 728,180
4 Claims. (Cl. 66—117)



1. In a needle protector, the combination with a housing having an opening in one wall thereof, and an interior washer adjacent the opposite wall of said housing and having a central opening therein alined with said first mentioned opening, of a resilient disk located between said openings within the housing and having a pair of intersecting slits, said slits being centrally alined with said openings for the reception of a needle.

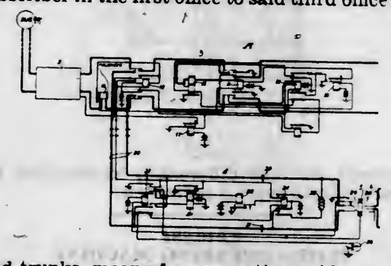
2,040,290
ROOFING RIDGE ROLL
Louie G. Baumhauer, Birmingham, Ala.
Application June 28, 1935, Serial No. 28,973
7 Claims. (Cl. 108—24)



1. A ridge covering device comprising a ridge roll section adapted to span the ridge of a roof, an end closure section fitted against an end of said ridge roll section, and a screen housed within said sections and conforming substantially to the interior contour of said closure section to form a barrier to prevent access of birds to the ridge covering sections.

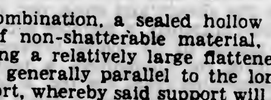
2,040,291
TELEPHONE SYSTEM
Felix A. Bonomi, St. Albans, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 25, 1932, Serial No. 644,235
6 Claims. (Cl. 179—27)

1. In a telephone system, a first office, a second office, a calling subscriber's line terminating in said first office, an operator's position in said first office, a subscriber's line terminating in said second office, a first trunk connecting said first and second offices, a third office, a second trunk connecting the second and third offices, a source of current at said third office, means for establishing a connection from the calling subscriber to the subscriber in the second office over said first trunk, means for establishing a connection from the subscriber in the first office to said third office over



said trunks, means for connecting said source of current to said second trunk, and means reponsive to the establishing of a connection from the subscriber in said first office to said third office and to the connection of said source of current to the second trunk for disconnecting said first trunk from said calling subscriber's line and for connecting said calling subscriber's line to said operator's position.

2,040,292
THERMOMETER
H. Brainard Brown, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application April 28, 1934, Serial No. 722,956
2 Claims. (Cl. 73—52)

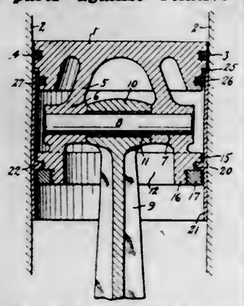


2. In combination, a sealed hollow elongated support of non-shatterable material, said support having a relatively large flattened surface extending generally parallel to the long axis of said support, whereby said support will float with said surface in a generally horizontal position, and a thermometer tube mounted in heat-conducting relation with said surface and extending in a direction generally parallel to said long axis, at least a portion of said support being transparent to permit reading of said thermometer tube therethrough.

2,040,293
PISTON
Henry T. Chandler, New York, N. Y.
Application May 12, 1934, Serial No. 725,276
12 Claims. (Cl. 309—15)

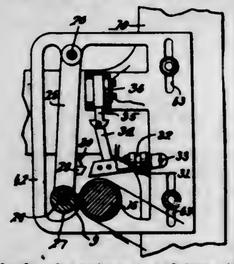
1. A two part piston comprising a head carrying bosses adapted to receive a connecting rod pin and a separate skirt having a different coefficient of expansion external to said head, a first guide means effecting a fluid seal between said head and said skirt, a second guide means spaced axially therefrom to provide therewith a two point support for said skirt adapted to limit pivotal movement of said head therein, both of said guide means comprising frictionally held members having clearance with the head adapted to permit independent expansion of said parts,

one only of said guide means having means to secure said parts against relative longitudinal



movement whereby differential longitudinal expansion of said parts is permitted.

2,040,294
CLOTH SHEARING MACHINE
Charles H. Coolidge and Edwin H. Marble, Worcester, Mass., assignors to Curtis & Marble Machine Company, Worcester, Mass., a corporation of Massachusetts
Application November 2, 1932, Serial No. 640,824
19 Claims. (Cl. 26—17)



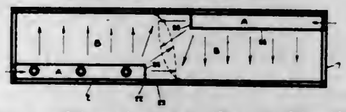
1. In a cloth shearing machine, the combination with a shear and cloth rest, of means for separating the shears and cloth rest to prevent shearing intermittently, a member around which the cloth passes in its course toward the first shear, a pivot rod thereabove, a pair of links pivotally depending from the rod, a rod carried by said links at the bottom, a latch carried by one of said links, a pivoted support which the latch normally holds in elevated position, the latch being so located that, when an obstruction on the cloth moves the rod, the latch will be moved far enough to release the support, and means operated by the support for initiating the action of said separating means.

2,040,295
CLOTH SHEARING MACHINE
Charles H. Coolidge, Worcester, Mass., assignor to Curtis & Marble Machine Company, Worcester, Mass., a corporation of Massachusetts
Application January 31, 1935, Serial No. 4,347
18 Claims. (Cl. 26—17)



1. In a cloth shearing machine, the combination of means for guiding the cloth through the machine, a motorized rotary shearing element, and a switch control for operating the motor in the reverse direction to interrupt the shearing action.

2,040,296
INSULATED CAR WITH AIR CIRCULATING CHAMBER
Charles O. Cornwell, San Marino, Calif.
Application January 24, 1934, Serial No. 708,103
19 Claims. (Cl. 62—15)



1. In a refrigerator car, the combination of car walls, ceiling and floor, with a bulkhead located adjacent one of the side walls of the car and parallel to said side wall, said bulkhead extending from one end of the car to adjacent a centrally located car door, said bulkhead having ventilating openings at its top and having spaced legs with ventilating openings at its bottom, and an ice supporting means between said bulkhead and the adjacent side wall, and transversely extending air conduits located on the floor of the car and communicating with the interior of the car whereby every part of the car is located within a path of circulation not greater than the width of the car and the air is circulated downward through the ice chamber and upward through the car leaving and returning to the ice chamber transversely of the car.

2,040,297
NECKTIE
Oreste Costantini, Philadelphia, Pa.
Application January 22, 1935, Serial No. 2,891
5 Claims. (Cl. 2—150)

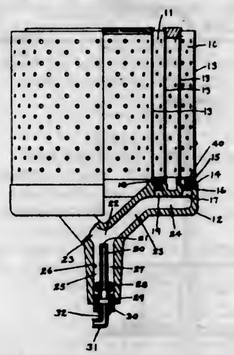


1. A cravat comprising a front wide flap, a knot element attached to and surrounding one end of said flap, a cover member over the front of said knot element, said cover member including a tab extending over the top of said knot element to partially close the same and to provide, in conjunction with said knot element, a pair of openings, a neckband extending into one of said openings and attached to said knot element, and a rear flap cooperatively associated with said neckband to embrace the neck of a wearer, said rear flap being slidably received within the other of said openings.

2,040,298
OIL BURNER
Horace L. Douglas, New Britain, Conn.
Application July 28, 1932, Serial No. 625,371
2 Claims. (Cl. 158—87)

1. An oil burner comprising a base having spaced concentric fuel grooves in the top surface thereof, perforated tubes upstanding above and

communicating with said grooves and forming combustion chambers thereabove, a chamber formed in said base and communicating with said grooves, a tube in said chamber having an open delivery end spaced from the walls of said chamber, means for delivering fuel to the other end of said tube, said tube serving to vaporize the



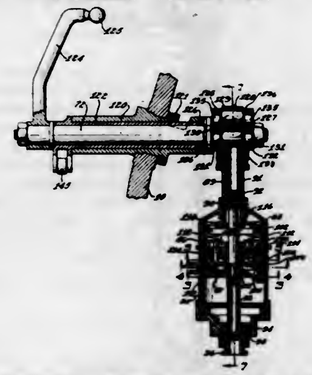
fuel delivered thereto, said chamber formed in the base being of Y-form, the said tube being located in the stem thereof, with divergent branches projecting upwardly and outwardly from said stem serving to provide the communication of the chamber with the grooves.

2,040,299
TIRE INFLATER AND GAUGE
Daniel O. Druge and Otto C. Druge, Oakland, Calif.
Application September 4, 1931, Serial No. 561,100
2 Claims. (Cl. 277—20)



2. In a tire inflater mechanism arranged for connection with a source of air under pressure and a tire and a gauge and arranged to selectively connect said tire to said source or said gauge or to the atmosphere, a body having a bore opening to a side of the body, a tubular member inserted in said bore and having a passageway therethrough with a portion of the periphery of said member spaced from the wall of said bore and forming therewith a passage, said member having a port connecting said passageway and passage, a piston slidably mounted in said passageway and movable to cover and uncover said port, a passage communicating with said first passage and arranged for connection to said gauge, air inlet and discharge passages communicating with said passageway and arranged for connection with said source and tire respectively, valve means movable for permitting or stopping communication of said inlet passage and said passageway, and means manually controlled for moving said piston and valve means and providing in one position thereof venting of said passageway to the atmosphere.

2,040,300
INTERNAL COMBUSTION ENGINE
Herbert C. Edwards, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application March 31, 1932, Serial No. 602,233
8 Claims. (Cl. 123—31)



1. In an internal combustion engine in which fuel and air charges are regulated by separate control mechanisms, means for actuating said mechanisms comprising a physically rotatable shaft, a sleeve rotatably mounted on said shaft and connected to regulate said air charge control mechanism, a rotatably mounted yoke connected to regulate said fuel charge control mechanism, a driving connection between said sleeve and said yoke, and a driving connection between said shaft and said yoke.

2,040,301
ROLLER SHADE MECHANISM
Joseph W. Fay, Villa Park, Ill., assignor of one-half to Ersyl F. Chambless, Chicago, Ill.
Application January 7, 1935, Serial No. 619
10 Claims. (Cl. 156—36)

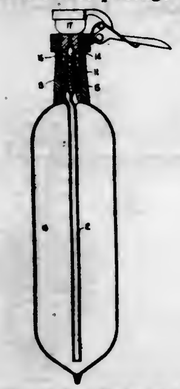


4. In combination, a spindle, a collar held against rotation on said spindle, a rim on said collar, said rim having a pair of generally diametrically oposite pockets therein, a shade roller rotatable with respect to said spindle and having a shade windable thereon, said rim having notches in the inner periphery thereof, one extending from each of said pockets in the direction of rotation of said roller in rolling the shade up on the roller, a cam rotatable with the roller, and a locking ball member engageable in one of said pockets and adapted to be propelled out of said pocket and into the adjacent notch when said shade is rolled up too rapidly.

2,040,302
PROCESS OF AND APPARATUS FOR ATOMIZING LIQUIDS
Carolus Fortier, Outremont, Quebec, Canada
Application February 24, 1931, Serial No. 517,763
In Great Britain March 24, 1930
10 Claims. (Cl. 299—95)

5. A non-refillable container of the type adapted for expulsion of liquid therefrom by means of

gas released from the liquid contents comprising a one-piece integral structure including a hollow body having a single restricted outlet passage forming the sole means of communication with the interior of the body, a capillary passage communicating said outlet passage with the interior



of the body at the top thereof, a tube extending from near the bottom of the body to the top thereof and a second capillary passage communicating the top of said tube with the outlet passage.

2,040,303
CUTTER FOR DREDGES
Laurence T. Gaylord, Upper Montclair, N. J.
Application August 5, 1933, Serial No. 683,743
8 Claims. (Cl. 37—67)



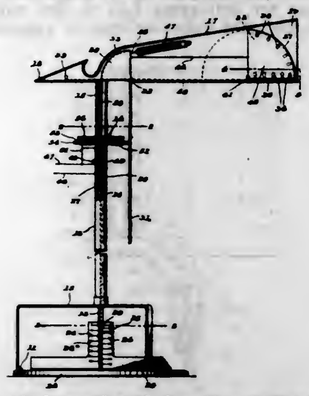
2. A dredge-cutter characterized by having means extending beyond the cutting zone of said cutter to penetrate the material about to be cut and to release the occluded gases at a point well beyond the effective suction range.

2,040,304
KEY AND KEY FRAME FOR GRAND PIANOS
Frank L. George, Glendale, Calif.
Application June 7, 1934, Serial No. 729,414
21 Claims. (Cl. 84—434)



1. In a piano, the combination of a balance rail pin, a key having an elongated mortise in its lower surface and a hole extending from the mortise to the top, the said pin having its upper portion fitted snugly in the lower portion of the hole, and an adjusting means extending through the hole from the top and forming with the upper end of the said pin a fulcrum for oscillation of the key located between the upper and lower surfaces of the key.

2,040,305
WIND SPEED AND DIRECTION INDICATOR
Stuart Graham, Ottawa, Ontario, Canada
Application August 14, 1929, Serial No. 385,905
21 Claims. (Cl. 73—55)



1. A wind speed and direction indicator comprising a rotatably mounted vane, a pressure plate swingably connected to said vane, adapted in normal position to remain vertical and to swing under the influence of the wind, a wind speed indicator connected to the pressure plate and automatically operable therewith to simultaneously indicate the speed of the wind, illuminating means adapted to be excluded from view and means operable by the pressure plate for controlling the area of visibility of the illumination afforded by the illuminating means.

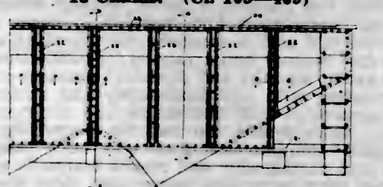
2,040,306
VENTILATOR FOR VEHICLES
William S. Hamm, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Application July 12, 1933, Serial No. 680,051
2 Claims. (Cl. 98—2)



1. In a window ventilator, a top casing wall having a sash-receiving channel, ribs crossing the vertical walls of the channel, and stops for preventing a sash from contacting the upper wall of the channel, whereby air currents admitted above the sash are directed downwardly

---

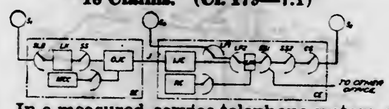
2,040,307
CAR WALL CONSTRUCTION
Harry S. Hart, Chicago, Ill.
Application June 8, 1935, Serial No. 25,538
13 Claims. (Cl. 105—409)



1. A car wall construction of the character described comprising a plurality of side stakes,

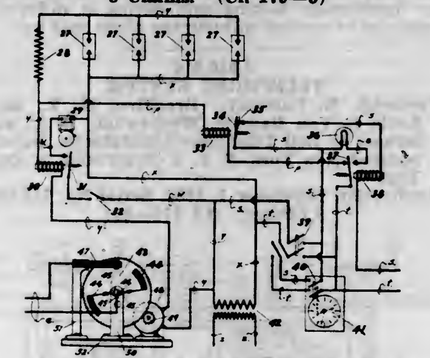
upper and lower chords connected respectively to the top and bottom ends of said side stakes, a shield plate for each of said side stakes connected throughout their central portions to the inside of said side stakes and at their upper and lower ends to said upper and lower chords respectively, said shield plates having their side edges extending laterally beyond said side stakes and deflected outwardly to provide side edges lying substantially in the plane of the outer edge of said side stakes adapted for attachment to side sheets positioned intermediate said shield plates.

2,040,308
TELEPHONE SYSTEM
William Hatton and Leslie B. Haigh, Paris, France, assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 13, 1933, Serial No. 689,191
In France September 21, 1932
18 Claims. (Cl. 179—7.1)



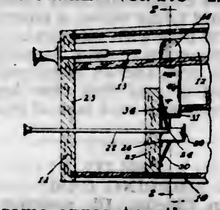
1. In a measured-service telephone system, subscribers' lines, a branch office, a main office, a conversational circuit unit in said main office for use in completing calls originating in said main office and for completing calls originating in said branch office, means for extending a connection from a calling line in said branch office to said conversational circuit unit, and timing means in said conversational circuit unit for transmitting a timing signal over the talking connection to said branch office at the beginning of each measured unit period of time during which a talking connection is maintained on a call originating in said branch office.

2,040,309
PROTECTIVE SIGNAL SYSTEM
Kenneth Le Roy Hayden, Winthrop, Mass.
Application June 2, 1933, Serial No. 674,005
8 Claims. (Cl. 179—5)



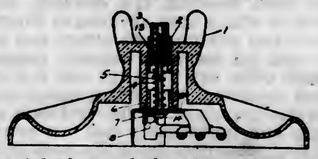
1. A protective signal system comprising a burglar alarm circuit including a plurality of normally closed contacts, and means associated therewith for causing the release of any said contacts for opening said circuit, one or more of said contacts including lock actuated means effective upon key manipulation, for holding said circuit closed, upon release of said contact associated therewith, sources of electrical energy, an auxiliary circuit including an alarm device associated therewith, clock actuated switch means connecting to one of said sources and said burglar alarm circuit and effective at predetermined time intervals, for exciting said circuit, means in circuit therewith, effective upon opening of said circuit for energizing said auxiliary circuit, means associated with said auxiliary circuit, effective upon energization thereof, for rendering said burglar alarm circuit inoperative, means in said auxiliary circuit, effective upon energization thereof, for actuating said alarm device, a motor, an interrupter mechanically associated therewith, and a signal circuit including another said source, said motor connecting to said auxiliary circuit, and effective upon energization thereof, for actuating said interrupter, said interrupter in circuit with said signal circuit, and effective upon said actuation for exciting series of signal impulses in said signal circuit, a line relay and a signal device associated with said signal circuit, effective upon closure thereof, for visually reproducing said signal impulses.

2,040,310
GAME APPARATUS
Donald E. Hooker, Elgin, Ill., assignor to Fred C. McClellan, Chicago, Ill.
Application June 12, 1935, Serial No. 26,099
7 Claims. (Cl. 273—121)



1. In a game apparatus, the combination of: a cabinet including a ball runway or ramp; a member for elevating a ball from a point below said ramp up into the latter; a manually operated member movably mounted in a wall of said cabinet; means tensioned by movement of said manually operated member for urging said elevating member in a direction to elevate a ball up into said ramp; and means released by movement of said manually operated member for latching said elevating member in ineffective position.

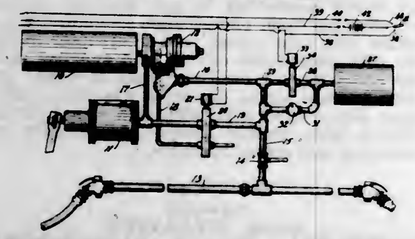
2,040,311
TELEPHONE DESK SET MECHANISM
Royal Horn and Joseph Humphreys, Chicago, Ill., assignors to Kellogg Switchboard & Supply Co., Chicago, Ill., a corporation of Illinois
Application May 31, 1930, Serial No. 458,143
2 Claims. (Cl. 179—159)



2. In a telephone desk set operating mechanism, a plunger, a plunger spring, contact spring assemblies, plunger and sleeve means for operating said contact spring assemblies immediately upon depression of said plunger, said sleeve means comprising a first sleeve having a flange at one end and a second sleeve surrounding said

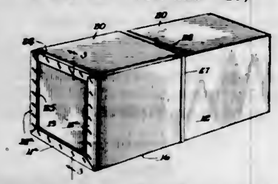
first sleeve and resting on said flange, cam portions on said spring assemblies, roller members associated with said plunger means engaging said cam portions, and means for retaining said contact springs in an operated position while said plunger continues its downward stroke.

2,040,312
AIR BRAKE
Clarence W. Ickes and Theodore P. Ickes, Monte Vista, Colo.
Application January 24, 1935, Serial No. 3,214
4 Claims. (Cl. 303—15)



1. The combination with an air brake system having a triple valve, an auxiliary reservoir, a brake cylinder, and a brake line; of a releasing reservoir; a pipe connecting said releasing reservoir direct to said triple valve; a lateral pipe connecting said first pipe with said brake line; means for supplying pressure to said releasing reservoir from said brake line; and an electrically operated valve positioned in said first pipe between said releasing reservoir and said lateral pipe.

2,040,313
SHIPPING CASE
Isaac N. Jordan, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois
Application January 14, 1933, Serial No. 651,710
3 Claims. (Cl. 229—47)

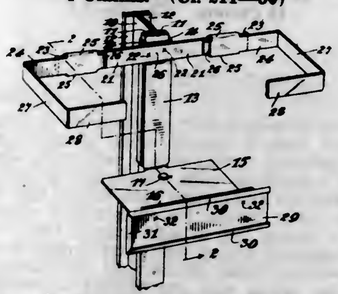


1. In a shipping case, fixedly connected flexible side and bottom and end walls, a lid comprising two members hinged to one pair of the opposite walls and overlying the other opposite walls, the lid members having aggregate dimensions slightly greater than one-half the distance separating the walls to which they are hinged whereby they will meet and overlap each other, and means to secure said lid members against disassociation from each other and from the side and end walls in closed condition, said means comprising cleats secured one to each of the meeting ends of the lid members one underneath and the other above and at such distances from the ends of the case that the cleats will overlap and interlock against longitudinal shifting, the cleats bridging the space between the side walls of the body member and their ends being beveled to present a reentrant exteriorly obtuse angle, and a tie surrounding the body member and overlapping the cleats and seated within the angle of the cleat ends.

2,040,314
TREATMENT OF RUBBER
Archie R. Kemp, Westwood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application April 3, 1934, Serial No. 718,787
3 Claims. (Cl. 18—50)

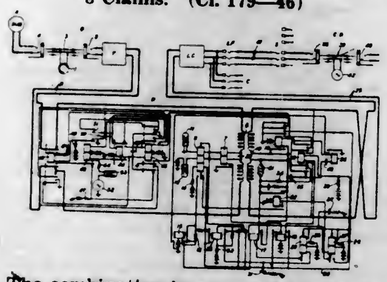
1. The method of treating sheet rubber to purify, deproteinize, and to improve the underwater insulating properties thereof which consists in treating the rubber under pressure at temperatures no less than 110° C. and not over 200° C. with a concentrated ammonium hydroxide solution containing not less than 15 per cent NH_3.

2,040,315
DISPLAY HOLDER DEVICE
Claude W. Kress, New York, N. Y.
Application May 22, 1935, Serial No. 22,683
4 Claims. (Cl. 211—50)



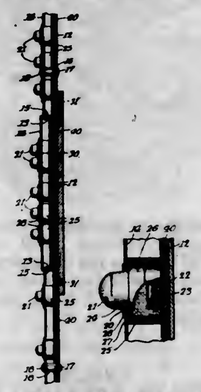
1. In a display device, in combination, a stem having lateral flanges turned rearwardly and inwardly toward each other and adapted to have vertically sliding engagement with a vertical supporting bar, a horizontal bottom plate fixedly carried by and extending forwardly from the lower end portion of said stem, a vertical pivot carried by said bottom plate, and a rotatable clamping cam carried by said pivot beneath said bottom plate and having a peripheral cam surface engageable with the front face of said vertical bar for frictionally locking said device at different positions of vertical adjustment along said bar.

2,040,316
TELEPHONE SYSTEM
Frederick R. Lamberty, Brooklyn, N. Y., and Louis E. Van Damme, Weehawken, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 1, 1934, Serial No. 755,556
8 Claims. (Cl. 179—46)



1. The combination in a repeating mechanism of a repeating coil, a line incoming to said coil and a line outgoing from said coil, means for sending ringing current signals over said incoming line, a source of ringing current, means for connecting said source to and for disconnecting it from said outgoing line, and a relay mechanism including a slow-acting relay arranged to operate a plurality of times under control of a ringing current signal in said incoming line to measure an interval of time between the beginning of said ringing current signal and the connection of said source to said outgoing line and to measure an interval of time between the end of said ringing current signal and the disconnection of said source from said outgoing line.

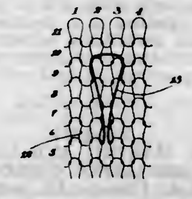
2,040,317
REFLEX SIGNAL
Carl H. Larson, Elkhart, Ind., assignor to The Adlake Company, Elkhart, Ind., a corporation of Illinois
Application October 31, 1932, Serial No. 640,442
5 Claims. (Cl. 40—125)



1. In a reflecting sign, a pair of channeled back plates extending across each other with their flanges extending forwardly, the flanges of the rearmost plate having their central portions removed for forming a notch for receiving the foremost back plate, front channeled plates telescoping the flanges of the rear plates, means including a reinforcing plate extending across the intersection of said plates for rigidly securing said plates together, said front plates being provided with openings therein, sockets of a diameter greater than said openings rigidly secured to one of said plates rearwardly of said openings, reflector units within said sockets, each having a reduced portion extending through a corresponding opening and having shoulders for limiting the forward movement of said unit, yielding material engaging the rear end of each unit and encircling the same, said first-named means forcing said units into said sockets thereby compressing said material engaging the rear of said units for firmly securing the units in position.

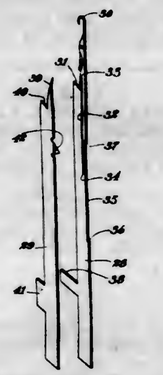
2,040,318
KNITTED FABRIC
Vincent Lombardi, Garden City, N. Y., assignor to Lombardi Knitting Machine Co. Inc., New York, N. Y., a corporation of New York
Application September 26, 1934, Serial No. 745,545
9 Claims. (Cl. 66—201)

1. A knitted fabric comprising a plurality of yarns knitted into loops in a plurality of wales and rows, one wale comprising a plurality of equal loops in a plurality of rows, a second wale immediately adjacent said first wales also comprising a plurality of substantially equal loops in a plurality of rows, a plurality of successive rows in said two wales being joined by yarn connectors of ordinary and short length, said fabric comprising a yarn included in both said wales but said last mentioned yarn in passing between said wales in a row formed just prior to said successive rows instead of forming a usual connector between adjacent wales of short length is extended into a special loop of at least twice the length of one of said equal loops, said special loop lying in front



of the fabric, at least for the major portion of its length, the two sides of said special loop passing together to the front of the fabric between adjacent loop portions in said first and second wales while still maintaining at that point the usual close proximity of said first and second wales, the two sides of said special loop at least for the major portion of their length lying loosely in front of said fabric, said fabric adjacent said special loop being free of any openwork pattern effect.

2,040,319
KNITTING APPARATUS
Vincent Lombardi, Garden City, N. Y., assignor to Lombardi Knitting Machine Co. Inc., New York, N. Y., a corporation of New York
Application January 31, 1935, Serial No. 4,234
20 Claims. (Cl. 66—24)

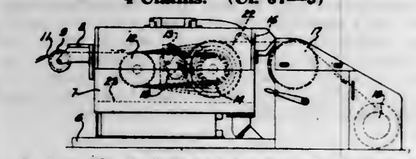


1. In a knitting machine slot, a needle shank having a hook, a yarn receiving shoulder below said hook, a stitch transfer bar slidably mounted in said slot alongside said needle, a lengthwise groove in said shank, a prong on said bar normally riding in said groove, a yarn receiving shoulder on said bar below said prong, and means for laterally separating said shoulders when relative longitudinal motion occurs between said shank and said bar.

2,040,320
MANUFACTURE OF SHOE STIFFENERS
Stanley P. Lovell, Newton, Mass., assignor, by mesne assignments, to Beckwith Manufacturing Company, Dover, N. H., a corporation of New Hampshire
No Drawing. Application March 11, 1933, Serial No. 660,436
6 Claims. (Cl. 36—77)

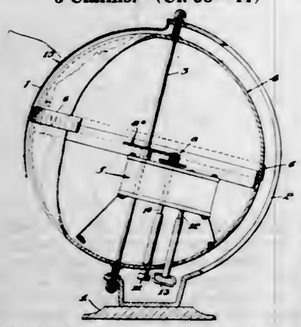
1. A shoe stiffener comprising a porous fibrous foundation containing incorporated therein a mixture of finely divided cellulose ester and a synthetic resin selected from a class consisting of the phthalate resins, the vinyl resins, the "glyptal" resins, and the "plioform" resins in bonded relationship to each other and to the foundation, said mixture existing in a porous state in said foundation and permitting solvent of said ester to penetrate into and throughout said foundation with colloiding action on said ester.

2,040,321
METHOD OF MAKING AND CONTROLLING A LUBRICATING COMPOUND
Raymond P. Lutz, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 14, 1932, Serial No. 622,448
4 Claims. (Cl. 87—9)



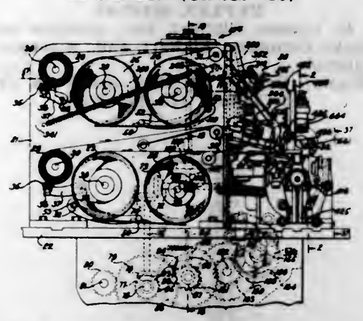
1. A method of drawing wire which comprises compounding a soap, fat and water emulsion to produce a lubricating compound having a pH value within definite predetermined limits for drawing wire through a die lubricated by said compound, at intervals withdrawing a sample of the compound, adding water to the sample to clarify the compound, dividing the clarified compound into two portions, adding an indicator to one of the portions, and making a color test to determine the pH content of the compound.

2,040,322
EDUCATIONAL CLOCK
Juzo Mandai, Los Angeles, Calif.
Application October 20, 1934, Serial No. 749,216
3 Claims. (Cl. 58—44)



1. In an educational clock, a rotary globe map, a support, a shaft fixed at its ends to said support, bearings fixed on the globe and providing for rotation of the latter on said shaft, clockworks fixed to and located interiorly of the globe for rotation around the shaft, a gear fixed on said shaft, a drive gear on said clockworks meshing with and arranged to have planetary movement relative to said fixed gear, means operable exteriorly of the globe for winding said clockworks and means operable exteriorly of said globe for turning said drive gear.

2,040,323
MATERIAL WINDING MACHINE
Cecil C. McCain, Glen Ellyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application July 12, 1933, Serial No. 680,008
31 Claims. (Cl. 242—56)



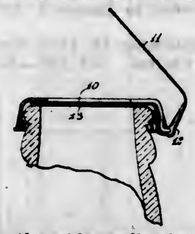
16. In a material winding device, a rotatable arbor, means for feeding sheet foil, means for cutting the foil, means for clamping the foil while being cut, and means for directing a jet of air against the foil to free it from the clamp and to direct it to the arbor.

2,040,324
METHOD OF TREATING PISTONS
George L. Moore, Cleveland, Ohio, assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application March 21, 1935, Serial No. 12,257
13 Claims. (Cl. 29—156.5)

7. In the process of treating a motor piston whereby the piston develops its maximum hardness under the influence of the heat of the motor in which it operates, the steps comprising fabricating said piston from an alloy amenable to the development of increased hardness by thermal treatment, heating the piston at an elevated temperature, rapidly cooling the piston, machining the piston to the desired dimensions, and, without further thermal treatment, installing said piston in said motor.

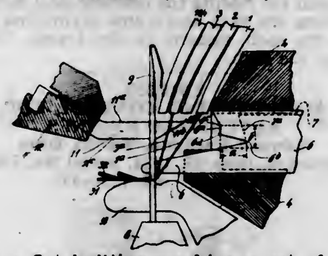
2,040,325
BOTTLE CAP
Leo P. Moos, Moorhead, and Frank L. Fredrickson, Robbinsdale, Minn.; said Fredrickson assignor to said Moos
Application March 13, 1934, Serial No. 715,260
4 Claims. (Cl. 215—39)

2. In combination with a bottle, a cap receiving the mouth of the bottle, said cap having its top centrally cut away with a slit extending from said cut away portion through the side wall of the cap, removable means for said cap comprising a disk member fitting inside the cap and closing the opening in the top thereof, a connected disk extending inwardly over the top of the cap, the connection between said disks covering the slit in the side wall of the cap, and



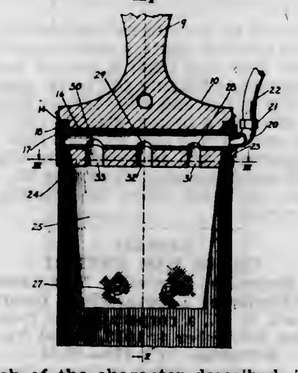
together with the side wall of the cap, being crimped in locking position around the mouth of the bottle.

2,040,326
APPARATUS FOR MAKING PLUSH FABRIC
Max Nebel, Chemnitz, Germany
Application April 25, 1933, Serial No. 667,795
In Germany May 2, 1932
8 Claims. (Cl. 66—91)



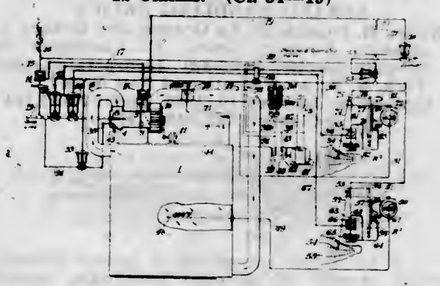
1. In a flat knitting machine, a set of frame needles, a set of jack sinkers, a set of dividing sinkers, thread guides, separators adapted to cooperate with said needles and said sinkers, each separator having a hook on its upper edge and an inclined face extending from said hook to its front end, and means for advancing and retracting said separators with respect to said needles and sinkers.

2,040,327
POSITIVE FEED FOUNTAIN PAINT BRUSH
Nicolai Olesen, Salinas, Calif.
Application March 5, 1934, Serial No. 714,117
1 Claim. (Cl. 15—128)



A brush of the character described, including a head having a peripherally reduced portion, said reduced portion being surrounded by brush fibres and having a cross bore therein with lateral ports forming communication between the cross bore and brush fibres, a tube having externally threaded ends seated in the cross bore and having lateral ports registering with the aforesaid ports with the threaded ends of the tube projecting from the bore into the reduced portion, a nut threaded onto each end of the tube for securing the same in the bore and engaged with the adjacent portions of the brush fibres, a band carried by the head and overlying the reduced portion for retaining the brush fibres to the head and having clearance openings therein for the nuts on the tube ends, a closure plug for one end of the tube and supply means attached to the other end of the tube.

2,040,328
HEAT REGULATING SYSTEM
Raymond E. Olson, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application March 1, 1935, Serial No. 8,945
12 Claims. (Cl. 34—19)

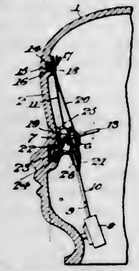


1. In a system of the class described, an oven, a heater therefor, a pipe supplying gas to said heater for heating said oven, a valve controlling the flow of gas through said pipe, means for igniting the gas at said heater, means for withdrawing a stream of air and fumes from said oven, means for measuring a predetermined time interval following the initiation of the flow of said stream of air and fumes, said time measuring means including a reservoir and a source of pressure fluid, means responsive to the flow of said stream of air and fumes for supplying fluid from said source to said reservoir through a restricted orifice, means responsive to a predetermined pressure in said reservoir for opening the valve in said gas line and for operating said igniting means, and thermo-responsive means controlling the flow of gas through said pipe whereby the temperature within the oven is maintained at a predetermined value.

2,040,329
EYE MOUNTING FOR DOLLS
Nunzio Paganello, Brooklyn, N. Y.
Application April 20, 1935, Serial No. 17,421
5 Claims. (Cl. 46—169)

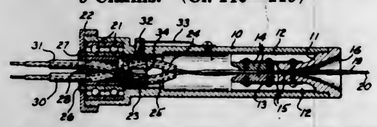
1. In combination with a doll's head having eye sockets therein, a horizontally disposed shaft, semi-spherical eyes secured on said shaft in position to oscillate in said sockets, a resilient element having its upper end fixed in the head and the lower end being provided with an elongated recess adapted to engage the shaft for yieldingly holding the eyes in their sockets and adapted to permit longitudinal adjustment of the shaft and eyes, said lower end of the element below said

recess being curved outwardly from the head, and an independent means for guiding the shaft under the curved end of the element and the eyes into operative position when being assembled,



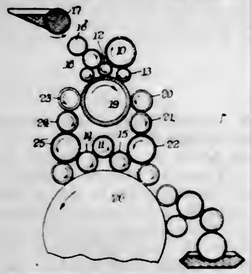
said means being normally spaced from the shaft when in operative position and also adapted to be bent inwardly to prevent the shaft and eyes from becoming unintentionally displaced.

2,040,330
STRAND HANDLING DEVICE
Walter H. Pagenkopf, La Grange, and Rodney L. Hanson, Downers Grove, Ill., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 10, 1935, Serial No. 1,164
9 Claims. (Cl. 140—119)



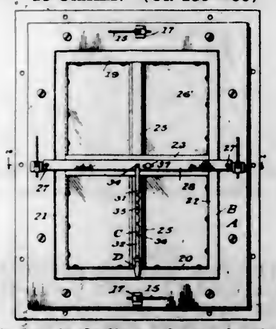
1. A hand tool comprising a handle through which strands of material may pass, strand guides mounted in the handle to be rotatable about the axis thereof and through which the strands may pass and so spaced that the strands may be simultaneously secured to spaced terminals by moving said handle to move said guides in a circuitous path therearound.

2,040,331
VIBRATING MECHANISM
Henri E. Peyrebrune, River Forest, Ill., assignor to The Miehle Printing Press and Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 5, 1934, Serial No. 733,703
25 Claims. (Cl. 101—348)



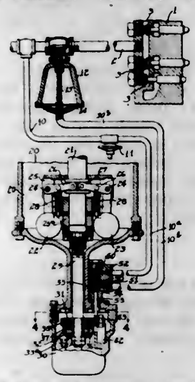
1. In vibrating mechanism for ink distributing rollers or the like, the combination of a stationary shaft, a supported rotary member, and differential gears for imparting a lateral reciprocating motion to said rotary member.

2,040,332
WINDOW
Ollin K. Pomeroy, Sr., Fort Myers, Fla., assignor of forty per cent to James S. Strickland, Fort Myers, Fla.
Application September 14, 1935, Serial No. 40,632
15 Claims. (Cl. 189—66)



1. A window including a frame having an opening, a sash for closing the opening, and means for connecting the sash and frame permitting swinging of the sash, relative to the frame, from all edges of the sash.

2,040,333
MANEUVERING CONTROL FOR REVERSIBLE ENGINES
Edward Rathbun, Toledo, Ohio
Application June 25, 1934, Serial No. 732,218
6 Claims. (Cl. 123—41)

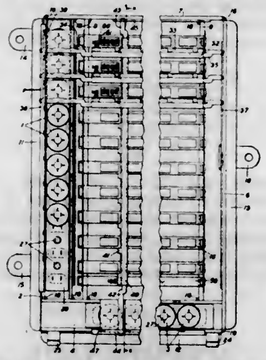


1. A control for an internal combustion engine, comprising a driven shaft, a speed responsive device driven with said shaft, a starter controlling valve, a member engaging the valve, connections between said device and said member moving the member and valve to non-starting position, an abutment upon which said member rests in non-starting position, and frictional connections between said member and shaft moving the member off of said abutment when the rotation of the shaft is reversed.

2,040,334
CROSS BAR SWITCH
John N. Reynolds, Princeton, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application November 4, 1932, Serial No. 641,214
8 Claims. (Cl. 179—27.54)

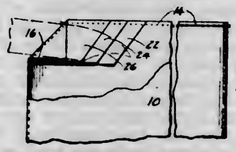
1. In a telephone switch, a frame, the sides of which comprise vertical and horizontal magnet

structures and metal strips with their adjacent ends welded together and with their lengths slightly less than the outside dimensions of the frame and in which each magnet structure in-



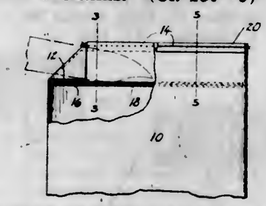
cludes a row of operating magnets and a common pole piece, and switching means controlled by said operating magnets.

2,040,335
VALVE BAG
John A. Rosmait, Manistee, Mich.
Application April 26, 1935, Serial No. 18,311
10 Claims. (Cl. 150—9)



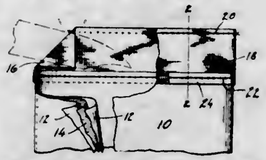
1. A valve bag having its opposite side walls secured together along one end except for a short distance at one corner, said side walls inturned at such corner providing a valve opening, a sheet of material folded upon itself and having its juxtaposed edges secured together between said side walls by the line of securement thereof forming a tube depending within the bag and extending along said end and having one end telescoped over said inturned corner but being free therefrom, said tube being slitted lengthwise along its lower edge spaced from the valve opening to permit the discharge of content material through the valve opening and directly into the interior of the bag.

2,040,336
VALVE BAG
John A. Rosmait, Manistee, Mich.
Application April 26, 1935, Serial No. 18,312
9 Claims. (Cl. 150—9)



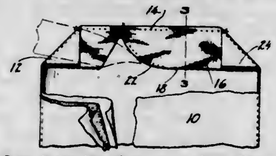
1. A valve bag having opposite side walls secured together at one end by a line of stitching and provided with a valve opening at one corner of said end, a valve tube formed of sheet material arranged within the bag at such end between the bag side walls extending entirely across said end of the bag within the bag forming a tubular extension of the valve opening overlying the end stitching within the bag and provided with an opening for a portion of its length along its lower edge adjacent to but spaced from said valve opening.

2,040,337
MOISTURE RESISTANT VALVE BAG
John A. Rosmait, Manistee, Mich.
Application April 26, 1935, Serial No. 18,313
4 Claims. (Cl. 150—9)



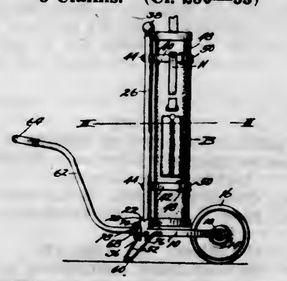
1. A valve bag having its side walls except for a short distance at one end formed of substantially imperforate moisture resistant material, said short end portion being formed of air permeable and moisture resistant material, and said bag having its valve opening arranged within said air permeable moisture resistant wall portion.

2,040,338
VALVE BAG
John A. Rosmait, Manistee, Mich.
Application April 26, 1935, Serial No. 18,314
10 Claims. (Cl. 150—9)



1. A valve bag having a valve filler opening, said bag also provided with an air escape opening, and valve structure associated with said air escape opening formed of a sheet of air permeable foraminous material extending across said air escape opening preventing escape of bag contents adapted to permit the escape of air therethrough while preventing the escape of powdered material outwardly therethrough.

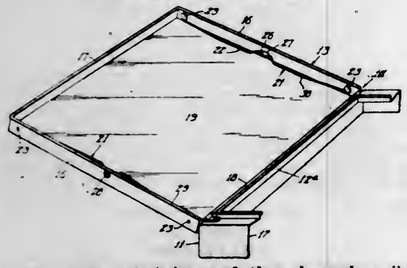
2,040,339
GOLF BAG CART
Justin E. Ross, Kansas City, Mo.
Application March 4, 1935, Serial No. 9,250
5 Claims. (Cl. 280—53)



1. A golf bag cart comprising a frame having a recess provided in one end thereof; carrying

wheels for the rear portion of said frame; an elongated, transversely disposed supporting foot at the front portion of said frame; a detachably mounted bag supporting standard carried by said frame, adapted to support a golf bag intermediate said foot and wheels; a forwardly and upwardly extending tongue removably secured in said recess; and an easily removable pin extending through the frame and end of said tongue extending into said recess.

2,040,340
PANE RETAINER
Jacob I. Russakov, Chicago, Ill.
Original application March 25, 1933, Serial No. 662,665, now Patent No. 1,990,755. Divided and this application June 13, 1934, Serial No. 730,438
3 Claims. (Cl. 220—82)

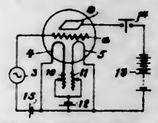


1. In a pane retainer of the class described, the combination with a frame member having a flat portion and substantially parallel sides perpendicular to said flat portion, of a transparent pane parallel with said flat portion but terminating short of the parallel sides, an elongated springy wire member substantially permanently secured at each end on one of said parallel sides, said member being normally entirely outside the perpendicular projection of the pane, and means for releasably retaining the wire flexed intermediate its ends into position within said perpendicular projection of the pane and closely overlying the pane.

2. In a pane retainer of the class described, the combination with a frame having a flat portion and a side substantially perpendicular thereto, of an elongated resilient flexible member permanently secured adjacent each of its ends to the frame, said member normally extending from each end toward an edge of the said side and parallel to said side, said member having a portion intermediate its ends offset from said portions thereof which are parallel to said side, said offset portion overlying the said edge, and a detent on the frame for engaging said offset portion of the flexible member to maintain the flexible member releasably with its portions between its offset portion and its ends out of parallel relation with said side and overlying the flat portion.

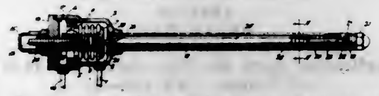
2,040,341
ELECTRONIC TUBE SYSTEM
Johannes Michael Schmierer, Berlin-Lichterfelde, Germany
Application October 3, 1930, Serial No. 486,212. Renewed June 7, 1935. In Germany October 7, 1929
21 Claims. (Cl. 250—27)

1. In an electron tube, comprising an evacuated vessel, at least two thermionic cathodes having different electron emitting characteristics within said vessel, a common control electrode and an anode electrode cooperating with said cathodes, to produce two discharge components of different emission characteristics, means for separately heating said cathodes a common output circuit connected to said cathodes and said anodes and a common input circuit connected to said



cathodes and said control electrode, the output current component supplied from one of said cathodes being modified at a predetermined portion of its operating characteristic by the output current supplied from said other cathode at a different predetermined portion of its operating characteristic.

2,040,342
AUTOMATIC VALVE
Lewis L. Scott, St. Louis, Mo.
Original application March 21, 1930, Serial No. 437,783. Divided and this application September 24, 1932, Serial No. 634,641
3 Claims. (Cl. 137—153)



1. In a valve, the combination with a casing having a liquid inlet, of a yielding member located within the casing, a spring cooperating with the yielding member and opposing the pressure of the liquid admitted to said casing, an elongated tube extending from the casing, said tube having an outlet at its outer end, a valve body provided with ribs on its outer wall and located axially of the elongated tube and having an attenuated end cooperating with the outlet in said tube, a spring cooperatively related to and carried by said valve body normally tending to move the valve body to open the outlet, a bearing member in said tube constituting a support for said valve body and cooperating with the ribs on its outer wall to hold said valve body in alignment with said outlet, an elongated stem within the tube separate from the valve body and bearing against the inner end of the valve body at one end and against the yielding member at its opposite end, and bearings within said tube located near each end of said stem for independently supporting the stem for longitudinal movement.

2,040,343
APPARATUS AND METHOD FOR HEAT-TREATING WIRE
Abraham Simons, New York, N. Y., and Charles D. Johnson, Worcester, Mass.
Application May 17, 1935, Serial No. 21,966
8 Claims. (Cl. 266—3)

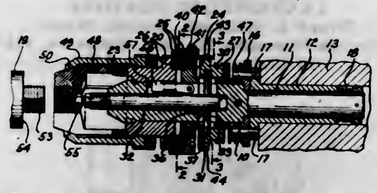


1. A method of heat-treating metal wire which consists in subjecting a wire helix to the action of an alternating electro-magnetic field,

while turning said helix about its own axis so as to wind wire off one end of said helix, and to feed wire to the other end of the helix.

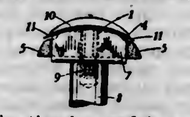
6. A method of heat-treating metal wire which consists in subjecting a wire helix to the action of an alternating electro-magnetic field which is induced by a primary coil, while turning said helix about its own axis so as to wind wire off one end of the helix, and to feed wire to the other end of the helix, and regulating the coupling between said primary coil and the helix, by changing the relative position between said coil and said helix.

2,040,344
THREADING TOOL
John S. Stull, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 25, 1935, Serial No. 18,147
6 Claims. (Cl. 10—89)



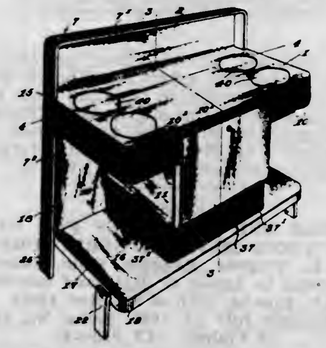
1. In a threading tool, a holder, cooperating longitudinally separable clutch elements thereon, a threading die carried by one of said elements, spring pressed means including the other of said elements and a collar adjustably threaded thereon normally restraining said die and its associated element from rotation relative to said holder, and an abutment member operatively connected to said collar of the restraining means and arranged to stop against a work piece being threaded when a predetermined length of thread has been formed thereon during a relative rotary and longitudinal movement between said die and the work piece, the stopping of said member thereafter in the continued relative advance of the tool and the work piece rendering said restraining means ineffective and thereby causing a separation of said clutch elements at which instant the desired length of thread will have been formed.

2,040,345
SAFETY RAZOR
George Taylor, Penwortham, Preston, England
Application October 17, 1934, Serial No. 748,673
In Great Britain October 30, 1933
3 Claims. (Cl. 30—34)



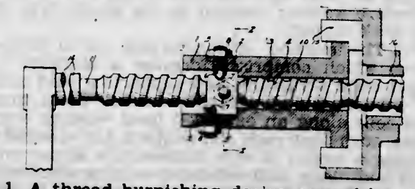
1. The combination in a safety razor of a backing plate having a concave surface, guide pins on said backing plate, a threaded stem proceeding from said backing plate, a double edged blade adjacent said concave surface, a carrier of flexible material, three supporting ridges extending longitudinally of said carrier, two longitudinal ridges at the sides of said carrier, said longitudinal ridges extending adjacent the cutting edges of said blade and when in position forming a recess between them and said cutting edges, said carrier and said blade having holes therein for the reception of said pins and for the passage of said stem, and a handle screwed on said stem, said handle when screwed on said stem serving to cause the three supporting edges to cooperate with the concave surface of the backing plate so as to flex the blade.

2,040,346
STOVE AND RANGE CONSTRUCTION
Jacob Teller, New Rochelle, N. Y., assignor to Teller Stove Designing Corporation, New York, N. Y., a corporation of New York
Application September 22, 1933, Serial No. 690,607
6 Claims. (Cl. 126—39)



1. In a stove assembly comprising a vertical rear frame of inverted U-shaped construction, a sheet metal L-shaped member attached to the lower section of the frame forming a horizontal shelf and a vertical rear wall extending between the legs of said frame, a cooking top extending forward from said frame in vertical spaced relation to the shelf portion of said L-shaped member, and an oven structure removably supported on said shelf and connected to said cooking top, said oven cooking top, L-shaped member and frame being interconnected to form a rigid unit.

2,040,347
MEANS FOR FINISHING HELICAL FORMS
B. Wickliffe Twyman, Milwaukee, Wis., assignor to Lavine Gear Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 29, 1934, Serial No. 746,029
4 Claims. (Cl. 29—90)



1. A thread burnishing device comprising the combination with a sleeve guide for a rough threaded worm cam blank, of a series of ball tools positioned in the path of a worm cam advancing beyond said blank and respectively offset on a pitch corresponding to the rough thread thereof, and means supporting said ball tools at successively decreasing radial distances from the axis upon which said blank moves beyond said guide, whereby said tools will be successively effective in burnishing and enlarging the thread of the blank.

2,040,348
SATURATED ASBESTOS SHEET FOR GASKETS AND PACKING
John H. Victor, Wilmette, Benjamin J. Victor, Oak Park, and William A. Heinze, Chicago, Ill., assignors to Victor Manufacturing & Gasket Company, Chicago, Ill., a corporation of Illinois
Application February 21, 1934, Serial No. 712,378
2 Claims. (Cl. 91—70)



1. An improved saturated sheet for gaskets and packing, comprising asbestos millboard impregnated with a composition resulting from a mixture of drying vegetable oils, namely, China wood oil approximately 50 to 90% and linseed oil approximately 5 to 25% together with turpentine 5 to 30% and metallic resinates 1 to 2%.

2,040,349
METHOD AND APPARATUS FOR FABRICATING METALLIC STRUCTURE
Albert G. Wagner, Reading, Ohio, assignor of one-third to James G. Kyle and one-third to Fred C. Rosche, both of Reading, Ohio
Application July 13, 1935, Serial No. 31,254
26 Claims. (Cl. 219—4)

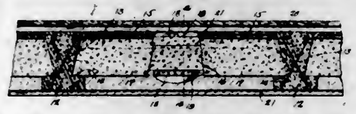


3. An apparatus of the class described, comprising a frame, a work support projecting therefrom, means on said frame to feed a strip of metal to said work support, means on said support to guide the strip as it is fed and to hold same in welding position, comprising an elevated, extended base electrode defining a work receiving and positioning channel, a welding head extending in substantially parallel, spaced relation to the work support, an electrode mounted in said head, for movement along the work support, and means to move said electrode along the head in operative welding relation to the metal strip on the work support.

17. The method of fabricating metal structures, which comprises forming a plurality of metal coils, arranging and supporting said coils in predetermined spaced relation, positioning said coils along an extended fixed welding electrode, such that each coil contacts the electrode, feeding a length of wire transversely across said coils and along said extended welding electrode, and severing and welding a predetermined length of said wire to each of the coils successively and as a continuous operation, thereby securing said hoops in their predetermined spaced relation.

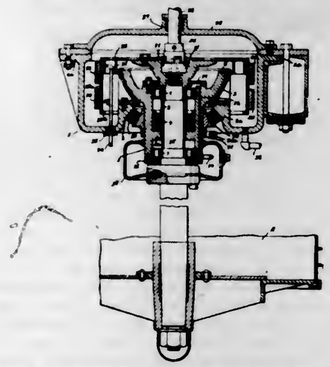
2,040,350
FLOOR CONSTRUCTION
Adolph J. Wernette, San Antonio, Tex.
Application March 19, 1935, Serial No. 11,846
2 Claims. (Cl. 72—68)

1. A concrete floor construction comprising assembled, prefabricated units and including reinforced concrete supports having inset longitudinal shoulders with overhangs, reinforced slabs positioned side by side and having depending side flanges, said slabs abutting endwise and interposed between the supports and bearing against their shoulders and overhangs, and interfitting means at the meeting flanged sides of the slabs



of each pair for holding them against relative movement, the meeting sides of the slabs having channels cooperating to provide dove-tail channels opening at the adjacent exposed surfaces of the slabs for holding dove-tail nailing strips.

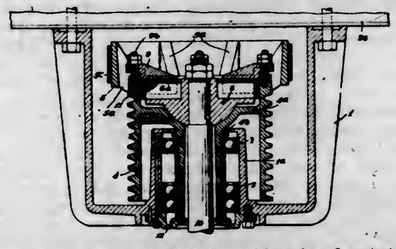
2,040,351
CENTRIFUGAL MACHINE
Frank I. Williams, Boston, Mass.
Application November 23, 1932, Serial No. 644,051
14 Claims. (Cl. 308—143)



1. In a driving mount for a suspended gyratory centrifugal, the combination with a fixed hanger provided with a spherically curved socket member, a gyratory suspension head provided with a similarly curved suspension ball member seated in said socket to permit oscillation of the head against yielding centralizing resistance, an angular conoidal buffer engaging the head below said ball member, a vertical basket shaft revolubly supported centrally of said suspension head by radial and thrust bearings inside said head and below the center of gyration, a drive transmitting member secured to the upper end of the shaft above the upper edges of the bearing ball and socket members at substantially the equatorial plane of the spherically curved surface of said ball and socket members, whereby the driving torque is applied outside and above the ball and socket members and in substantially the plane of the center of oscillation of the centrifugal.

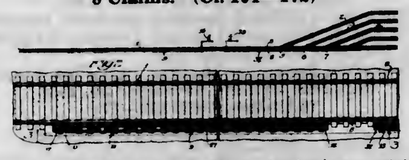
2,040,352
DRIVING MOUNT FOR CENTRIFUGALS
Frank I. Williams, Boston, Mass.
Application March 23, 1933, Serial No. 662,206
10 Claims. (Cl. 308—148)

1. A driving mount for a suspended centrifugal embracing a belt driven pulley revolubly mounted on a fixed overhead hanger to rotate about a fixed axis and provided with a tubular hub, a gyratory centrifugal basket shaft suspended from said pulley through said tubular hub to permit gyration against yielding centralizing resistance



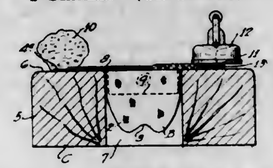
about a center included in said axis of rotation, and means for causing the centrifugal to rotate in unison with the pulley.

2,040,353
RAILROAD CAR HANDLING DEVICE
Arthur R. Wilson, Chicago, Ill.
Application June 11, 1931, Serial No. 543,569
8 Claims. (Cl. 104—172)



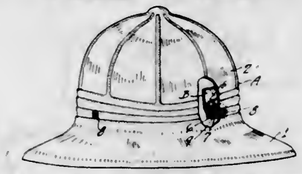
1. A railroad car handling device comprising two separated car moving devices arranged along the track, each having car engaging parts thereon, the second car moving device operating at a higher speed than the first car moving device so that it separates the cars as they pass from the first car moving device to the second car moving device.

2,040,354
HAT BRIM AND METHOD OF CONSTRUCTING THE SAME
Edward Wittcoff, University City, Mo., assignor to Caradine Hat Company, St. Louis, Mo., a corporation of Missouri
Application April 2, 1934, Serial No. 718,553
4 Claims. (Cl. 2—193)



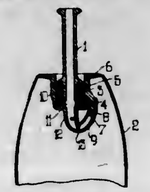
1. Those steps in finishing the brim of a hat constructed from a fabricated paper-strand hat-body, which consist in sizing the brim with a cellulose-gum-lacquer, trimming the brim to a dimension greater than the desired final dimension thereof, applying a solvent of the sizing to the marginal portion of the brim, folding the rim of such marginal portion inwardly upon the brim-proper, heating and pressing the folded marginal portion overlappingly upon, and stitching the same to, the brim-body, trimming said overlapping portion inside the stitching, re-sizing the double brim-margin with a cellulose-gum-lacquer, and then applying to the doubled brim-margin a finish surface coating of a second cellulose-gum-lacquer.

2,040,355
HEADWEAR
Edward Wittcoff, University City, Mo.
Application January 21, 1935, Serial No. 2,630
2 Claims. (Cl. 2—182)



1. A hat including a crown, a split sweat-band extending around within the head-opening of the crown, a correspondingly split flap marginally fixed to the band and disposed intermediate the band and crown, means including circumferentially spaced members having engagement with the flap and crown for securing the band in head-engaging position within the crown, the band and flap having their ends in overlapping relation disposed intermediate a pair of said members, and means carried by and at the ends of the flap for securing the ends of the band adjustably together.

2,040,356
FLUID VALVE
Henry James Butcher, Leyland, near Preston, England, assignor to The Leyland and Birmingham Rubber Company, Limited, Leyland, near Preston, England, a British company
Application September 11, 1934, Serial No. 743,605
In Great Britain January 4, 1934
6 Claims. (Cl. 152—12)

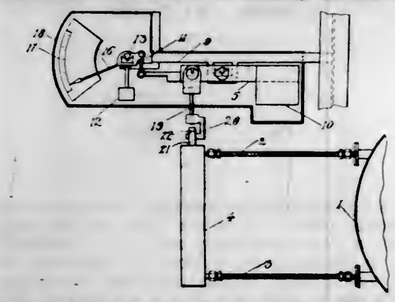


1. A fluid valve for containers, comprising in combination a flange, a flexible rubber tube having its outer wall flexibly connected to said flange for permitting relative movement thereof, said tube having outlet holes and having a variation in its cross section between the open end of said tube and said holes, said variation in cross-section causing the tube to be folded thereat to hermetically seal the tube.

2,040,357
APPARATUS FOR INDICATING THE HEIGHT OF LIQUID IN RECEPTACLES
Leon Sergius Chalatow, Boston, Mass., assignor to Philip A. Jerguson, Medford, Mass.
Application May 1, 1933, Serial No. 668,678
1 Claim. (Cl. 73—54)

In a device of the class described a container having flexible tubular connecting means for placing it in communication with a remote body of liquid to receive from said body a column of liquid, the altitude of which is definitely related to the depth of said body, the container being substantially free to move up and down under gravity by virtue of said connecting means, means for supporting the container comprising a

movable counteracting mass adapted to balance the container in all its conditions of fullness, and means for manifesting the position of said mass, said connecting means extending substantially



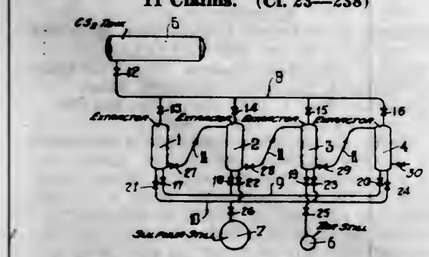
straight and horizontally and being of a length at least about one hundred times the vertical length of the range of movement of the container.

2,040,358
QUICK OPENING TRUCK TANK PLUG
George H. Clay, Kansas City, Mo.
Application April 17, 1935, Serial No. 16,769
3 Claims. (Cl. 220—55)



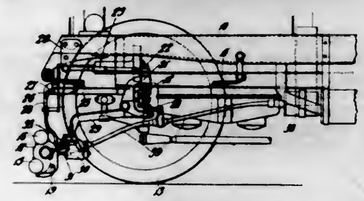
1. In cover mechanism, the combination of a filling neck, a cover member adapted to close the opening therethrough, a locking spider depending from the cover member and rotatable independently thereof, interlocking members respectively carried by the spider and filling neck, a rock lever for rotating the spider in either direction, and means operable from the exterior of the cover member for rocking the rock lever to cause the engagement or disengagement of the interlocking members of the spider and filling neck.

2,040,359
PURIFICATION AND EXTRACTION OF SULPHUR BEARING MATERIAL
Robert Henry Clayton, Herbert Ernest Williams, and Hugh Burton Avery, Manchester, England, assignors to The Manchester Oxide Company, Limited, Manchester, England, a British company
Application July 8, 1932, Serial No. 621,506
In Great Britain July 17, 1931
11 Claims. (Cl. 23—238)



1. Process for the removal of impurities and the extraction of sulphur from material containing extractible free sulphur and impurities of a tarry character, which consists in first causing a saturated solution of sulphur in carbon bisulphide, which contains too much tarry matter to render it suitable for recovery of sulphur therefrom but is still capable of taking up further tarry matter to flow through a body of said material until the greater part of the tarry matter has been removed therefrom, then causing an unsaturated solution of sulphur in carbon bisulphide substantially free from tarry matter to flow through said material from which the greater part of the tarry matter has been removed then causing successively more dilute solutions of sulphur in carbon bisulphide all of which dilute solutions are substantially free from tarry matter to flow through said material from which the greater part of the tarry matter has been removed, and recovering sulphur from some at least of said solutions substantially free from tarry matter after they have flowed through the said material from which the greater part of the tarry matter has been removed.

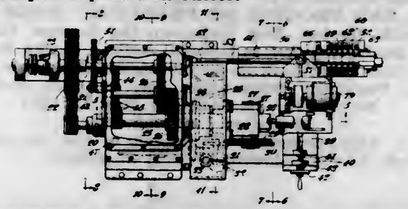
2,040,360
LIFEGUARD FOR VEHICLES
Vernon John Clifford, London, England, assignor to Safety Bumpers Limited, London, England, a company of Great Britain
Application November 30, 1934, Serial No. 755,520
In Great Britain November 30, 1933
16 Claims. (Cl. 293—17)



1. In a vehicle, a lifeguard comprising roller-carrying means mounted at the front of the vehicle, upper and lower rollers carried by said means and shiftable rearwardly out of a normal position, each roller extending normally at right angles to the longitudinal axis of the vehicle and parallel with the other roller, driving means for positively rotating both rollers, and means for rendering the driving means operative when rollers are shifted rearwardly by the lifeguard encountering an obstacle, the rollers being normally carried so that the lower roller is in proximity to the ground and the upper roller is positioned rearwardly of the lower roller.

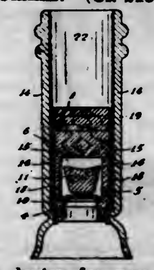
2,040,361
METHOD AND APPARATUS FOR SHAPING STOCK
George B. Coe, Waterbury, Conn., assignor, by mesne assignments, to Tube Reducing Corporation, Wilmington, Del., a corporation of Delaware
Application February 9, 1931, Serial No. 514,368
Renewed October 14, 1933
28 Claims. (Cl. 82—14)

1. The combination in a metal working machine for simultaneously shaping two complemental work pieces, of a cutter, a rotary work holder for revolving said work pieces around said cutter and means for rotating said work pieces upon axes parallel to each other and perpendicular to the axis of said work holder to feed said work pieces past said cutter.



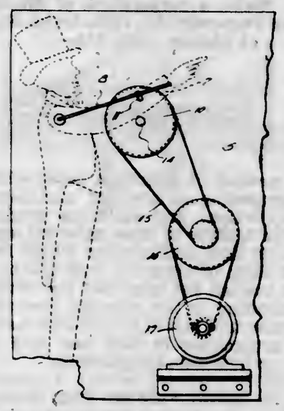
16. The combination in a metal working machine of a cutter, a cutter slide, means for moving said cutter slide during the cutting operation for varying the form of cut including a pattern slide having a laterally inclined groove in its upper face, a plurality of detachable slot-forming inserts, means for securing certain of said inserts in said groove, an intermediate slide mounted on said pattern slide and movable along said groove, said intermediate slide having a longitudinally extending groove in its upper face, means for securing other of said inserts in the longitudinal groove of said intermediate slide and for clamping said slide in abutting relationship to said first named inserts to form a predetermined pattern slot, a cutter slide operating arm operatively associated with said slot, and means for moving said pattern slide to operate said arm.

2,040,362
BOTTLE CLOSURE
José Luis Condé, Buenos Aires, Argentina
Application October 29, 1934, Serial No. 750,562
5 Claims. (Cl. 215—22)



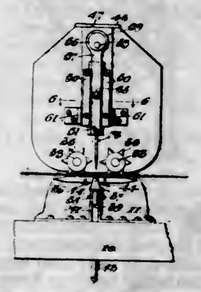
1. A closure device for non-refillable bottles, comprising a body dimensioned to fit in the neck of the bottle and having two independent ducts extending longitudinally therethrough, for the passage of air and the liquid, a valve seat consisting of part of said body and formed across the bottom of the latter and having a transverse partition thereacross defining two separate passages for the passage of air and the liquid, said body having a centrally disposed hollow in its lower part, above said valve seat, a single plate valve disposed loosely in said hollow above said seat, a counterweight in said hollow above said valve, having substantially the shape of a cut inverted pyramid, and having guiding recesses therein cooperating with the first-mentioned recesses, for the exit of the liquid and the entrance of the air, said valve, under the influence of said counterweight, normally covering the interior of said bottle to said ducts, the said counterweight forcing said valve home on its seat before the bottle is restored from a pouring into a horizontal position, the valve and counterweight uncovering the interior of the bottle to both sets of ducts when the bottle is moved to its pouring position, and means for anchoring said closure device in the neck of the bottle.

2,040,363
ADVERTISING APPARATUS
Henry Cecil Crum, Denmark, S. C.
Application March 5, 1935, Serial No. 9,494
1 Claim. (Cl. 40—139)



An advertising device of the class described, comprising a vertically arranged board having advertising matter on its front face and the picture of a man on said face standing to one side of the advertising matter, a substantially L-shaped rod including a long arm and a short arm, the short arm passing through the board and emerging at the shoulder portion of the picture, a member representing the arm of the figure and having one end connected to the front end of the short arm of the rod, the long arm of the rod extending parallel and spaced from the rear face of the board and substantially paralleling the arm of the figure, a pulley supported for rotary movement from the rear face of the board and having an eccentric pin thereon for engaging the long arm of the rod for raising and lowering the same and the arm of the figure, and means for rotating the pulley.

2,040,364
PROCESS OF CUTTING FUR
Oscar M. Dean, Sioux City, Iowa
Application December 18, 1935, Serial No. 55,130
15 Claims. (Cl. 164—50)



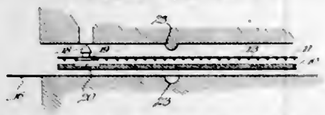
1. The method of cutting a fur bearing hide which comprises repeatedly piercing the hide progressively along the desired line of cut, the individual cuts being relatively narrow, and made between the hairs and each constituting a straight line continuation of another such cut whereby to provide a substantially straight line cut.

2,040,365

UPHOLSTERY INSTALLATION AND METHOD OF MAKING SAME

Lloyd H. Diehl and George T. Balfe, Detroit, Mich., assignors to Detroit Gasket & Mfg. Co., Detroit, Mich., a corporation of Michigan

Application December 23, 1932, Serial No. 648,692
14 Claims. (Cl. 154—2)



9. The method of making a panel which comprises superposing a layer of perforated metal having projections and confining studs or fasteners upon a layer of base material superposed on a layer of trim and between which latter layers is a stratum of adhesive, with the projections extending toward the base and the studs or fasteners extending in the opposite direction, uniting the respective layers by pressure and embedding the projections in said base and clamping the studs or fasteners in position.

2,040,366

TREATMENT OF HYDROCARBON OILS

Gustav Egloff and Jacque C. Morrell, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application January 12, 1934, Serial No. 706,409
2 Claims. (Cl. 196—36)

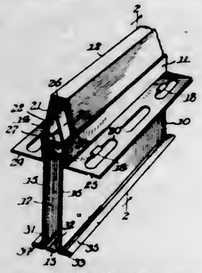
1. A process for refining hydrocarbon oil which comprises subjecting said hydrocarbon oil in vapor form to the action of sulphur trioxide and steam in the presence of zinc sulfate.

2,040,367

EXPANSION JOINT

William H. Eichelman, Des Plaines, and Eric E. Hall, Chicago, Ill.; said Hall assignor to said Eichelman

Application September 7, 1933, Serial No. 688,446
10 Claims. (Cl. 94—18)



1. In a device of the kind described the combination of a flexible seal having means for connecting adjacent ends of monolithic sections and sealing a space located between said sections, and a support for said seal, said seal being comprised of a piece of material bent to form an inverted V-shaped portion having flanges extending laterally from said V-shaped portion, said support having spaced side walls and a connecting wall located at the upper edges of said side walls, said connecting wall being located between the walls of the V-shaped portion and providing both means for preventing flexing of said seal, and means for supporting said seal.

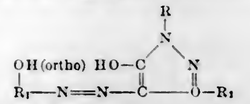
2,040,368

AZO-DYESTUFFS CONTAINING CHROMIUM AND PROCESS OF PREPARING THEM

Erich Fischer, Bad Soden-on-the-Taunus, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application July 16, 1935, Serial No. 31,733. In Germany July 21, 1934
10 Claims. (Cl. 260—12)

6. The chromium compounds of the azo-dyestuffs of the following general formula:



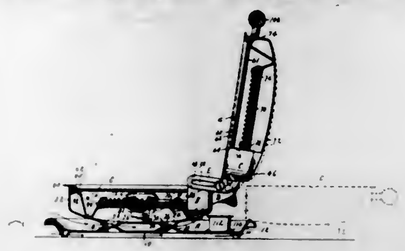
wherein R represents hydrogen or a radical of the benzene or naphthalene series, R_1 and R_2 stand for radicals of the benzene or naphthalene series and wherein the hydroxy group of the radical R_1 standing in ortho-position to the azo-bridge, in combination with this azo-bridge, contains bound chromium, which products form red powders which dye the animal fiber orange to Bordeaux tints of good fastness properties.

2,040,369

ELECTRICAL APPLIANCE

William H. Fischer, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri

Application June 12, 1935, Serial No. 26,188
22 Claims. (Cl. 53—5)



1. In an electrical appliance, a substantially flat, tray-like support having a plurality of spaced apart upstanding, relatively small diameter portions of substantial height projecting from the plane thereof and serving as a support, a two-part casing, the parts thereof being hingedly connected together, electric heating elements contained in each of the two parts of said casing, the bottom part of said casing resting on said upstanding portions of said tray-like support, and being connected at the points where the bottom casing part rests upon said tray-like support for providing a substantial space for atmospheric air circulation between the major part of said bottom and the top of said tray-like support including the space among said spaced apart upstanding portions.

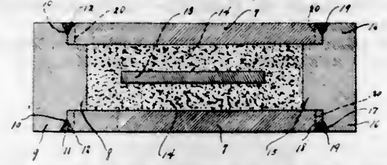
2,040,370

PROCESS OF HARDENING METAL

W. Reuen Fisher, Frankenmuth, Mich.

Application June 26, 1933, Serial No. 677,637
4 Claims. (Cl. 148—14)

1. A process of hardening materials consisting in enclosing the metal to be hardened in a container, surrounding the metal by an air excluding heat conducting material in friable form, and sealing the container against entry or escape of gases, raising the container with the contents thereof to the desired temperature for hardening purposes, and subsequently to the heating and, prior to the removal of the metal, quenching the metal while in the container.

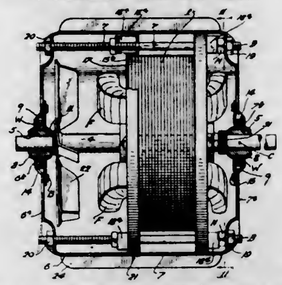


2,040,371

ELECTRIC MOTOR

James J. Gough, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application September 26, 1934, Serial No. 745,548
4 Claims. (Cl. 172—36)



1. In an electric motor, a stator core, two frame members sleeved upon longitudinally spaced parts of the stator core, each frame member including as its radially outer part a tubular portion coaxial with and of larger diameter than the stator core; and two cap-like casing parts having their mouth ends facing each other and having the mouth end portions of both casing portions sleeved upon the tubular portion of one only of the frame members, one of the casing portions having a part thereof sleeved upon the tubular portion of the other frame member; and plural means rigidly spanning the ends of the two cap-like casing parts and clamped to both of the annular members for rigidly spacing the stator core from the said casing ends, each of the said means having a portion thereof extending through the space within the casing radially outward of the stator core.

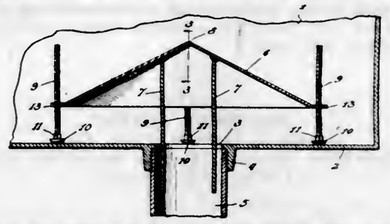
2,040,372

STORAGE TANK

Jack L. Graham, Wichita, Kans., assignor of one-eighth to Charles Simmons and one-eighth to Arthur Lawson, both of Wichita, Kans.

Application August 28, 1935, Serial No. 38,312
5 Claims. (Cl. 210—209)

1. An outlet guard comprising a conical body open at its bottom and having a vent opening at its apex, ears projecting from margins of the body, supporting posts for the body disposed vertically and threaded through the openings of said ears, said posts having heads at their lower ends and enlargements above the heads defining shoulders for engagement by the ears to limit downward movement of the body upon the posts when the posts are rotated to vertically adjust the body, and depending arms disposed vertically under the body with their upper ends fixed to the body, the arms being spaced transversely from each other at opposite sides of the apex and tapered toward their lower ends whereby lower



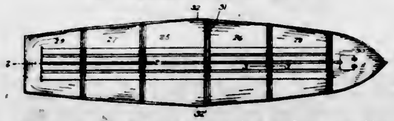
portions of the arms may be engaged in an outlet formed in the bottom of a tank and hold the guard in position over the outlet with the posts resting upon the bottom of the tank.

2,040,373

SECTIONAL BOAT

George P. Green, Portales, N. Mex.

Application April 17, 1935, Serial No. 16,836
2 Claims. (Cl. 9—2)



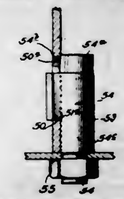
1. A sectional boat comprising a bow section, a stern section and at least one intermediate section, rib like joining members adapted to connect said sections together, said members consisting of flanged male and female parts radially facing and adapted to receive a gasket between said male and female parts to make them watertight, said sections being formed at their complementary edges to interfittingly receive the corresponding flanges of said members for permanent securement thereto and means on one of said members cooperating with a part on another of said members whereby said parts are drawn in a radial direction in cooperating watertight inter-engagement and a smooth unbroken exterior of the boat hull is formed.

2,040,374

FASTENING MEANS

Thaddeus S. Grimes, Columbus, Ga., assignor to Lummus Cotton Gin Company, Columbus, Ga., a corporation of Georgia

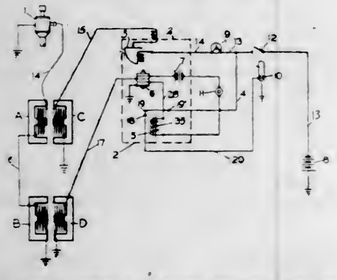
Original application August 29, 1933, Serial No. 687,364. Divided and this application June 29, 1934, Serial No. 733,204
13 Claims. (Cl. 189—36)



13. The combination of a pair of wall members or the like angularly disposed to one another, one said member having a hole therein, a securing element, laterally extending shoulders on said securing element for seating engagement over

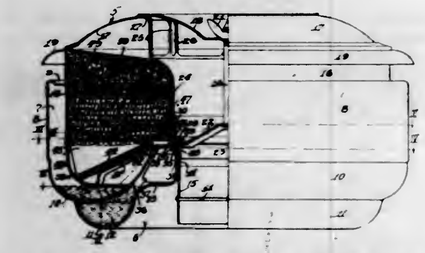
an edge of said hole whereby to limit relative movement in one direction between said securing element and wall members, tie means carried by one portion of said securing element and securing said wall members together at right angles to each other, and said tie means carrying portion of the securing element being insertable through said hole.

2,040,375
PRESSURE ALARM
George G. Guthrie, Tulsa, Okla.
Application January 14, 1935, Serial No. 1,715
4 Claims. (Cl. 177—311)



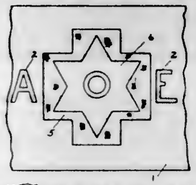
4. A tire pressure alarm system for vehicles comprising at least a pair of coils mounted on a wheel of the vehicle, a tire pressure responsive switch mounted on said wheel, means for connecting said switch and coils in series circuit, at least a pair of opposing coils mounted on a stationary portion of the vehicle adjacent the first mentioned coils, an electro-magnetic interrupter, a source of current, means for connecting said interrupter, current source and one of said opposing coils in series, and means controlled by an impulse of current in the remaining opposing coils for causing prolonged energization of said signal means.

2,040,376
APPARATUS FOR CLEANING AIR
Theodore W. Hallerberg, Chicago, Ill., assignor to United Air Cleaner Co., Chicago, Ill., a corporation of Illinois
Application June 21, 1935, Serial No. 27,676
30 Claims. (Cl. 183—15)



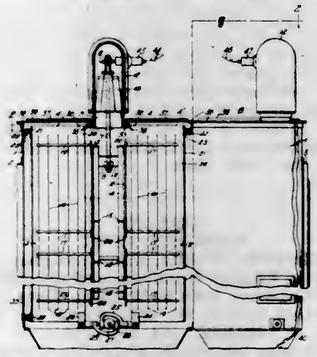
2. In an air cleaner, a casing having spaced inlet and outlet openings and arranged to contain a cleansing liquid for commingleme*t with incoming air, separate filter elements disposed in said casing so as to leave an air gap therebetween, and centrifuging means disposed in said air gap, said centrifuging means being positioned to maintain said air gap by keeping said filter elements separated.

2,040,377
RUBBER DIE
Lee M. Harley, Brooklyn, N. Y., assignor to James H. Matthews & Company, a corporation of Pennsylvania
Application October 15, 1934, Serial No. 748,306
8 Claims. (Cl. 101—379)



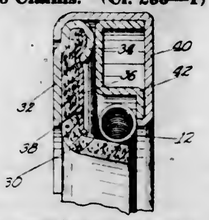
1. The herein described method of producing a flexible composite rubber die which comprises positioning at a character-forming mold cavity a block of rubber flowable under vulcanization of volume adequate to form a molded character and to provide an excess for lateral flow, positioning at an adjacent mold cavity a body of engravable rubber deficient in moldability and having approximately the dimensions of the mold cavity in which it is set, positioning a sheet of rubber flowable under vulcanization over said body of engravable rubber and in edge adjacency with said flowable block, and molding the said assembly under vulcanizing conditions to a flexible backing sheet, said several rubber elements under the forces for forming a molded character from said flowable block and under the temperature conditions of vulcanization being united to produce with each other and with the flexible backing sheet an integral, flexible, composite die having vulcanized union between the several elements thereof.

2,040,378
ELECTRICAL GAS TREATMENT
Carl W. J. Hedberg and Robert B. Hesson, Bound Brook, N. J., assignors to Research Corporation, New York, N. Y., a corporation of New York
Application May 8, 1934, Serial No. 724,557
11 Claims. (Cl. 183—7)



1. In apparatus for the electrical treatment of gases, a chamber, a plurality of vertically disposed parallel electrode members horizontally arranged in parallel banks in said chamber, and complementary electrode elements supported in alternating relation with said first named electrode members solely by supporting means positioned in the space between said banks of electrode members.

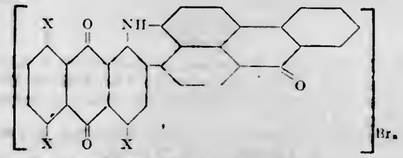
2,040,379
GREASE RETAINER WITH CHANNELED SPACER
William A. Heinze, Chicago, Ill., assignor to Victor Manufacturing & Gasket Company, Chicago, Ill., a corporation of Illinois
Application June 21, 1934, Serial No. 731,696
3 Claims. (Cl. 288—1)



1. A grease retainer, comprising a flexible packing element and a housing for the same, said housing including an outer cup-shaped annular shell, an armor for the packing, said armor forming another wall of the housing and comprising a relatively heavy metal washer with one edge in-turned to grip the packing element, and a relatively thin metal washer against the inner face of the packing with its outer edge under the in-turned edge of the heavier washer and with its inner edge acting against a bend in the packing and means in the shell for positioning the packing element and spacing the same away from the bottom of the shell, said means including a channeled spacer, and additional means acting against the packing for maintaining the same in desired surface relationship with the rotating shaft, said means comprising a garter spring, the packing being L-shaped in cross-section to form an inner flange, and the garter spring acting against the said inner flange of the packing.

2,040,380
BROMINATED VAT DYESTUFFS OF THE BENZANTHRONYLAMINOANTHRAQUINONE SERIES
Ernst Honold and Rudolf Müller, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application October 16, 1934, Serial No. 748,530. In Germany October 25, 1933
2 Claims. (Cl. 260—36)

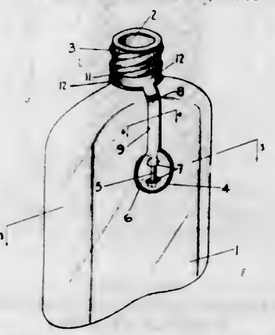
1. Brominated vat dyestuffs of the general formula



wherein one X means an acetylamino- or benzoylamine group and the other X's mean hydrogen, n is approximately the number 2, which dyestuffs dye the fiber bluish green shades of great purity and fastness to chlorine.

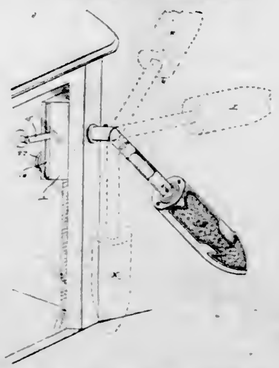
2,040,381
TELLTALE BOTTLE
Dwight D. Hull, Seattle, Wash., assignor of thirty-five per cent to Robert V. Cornell and ten per cent to James M. Ballard, both of Seattle, Wash.
Application January 19, 1935, Serial No. 2,552
8 Claims. (Cl. 215—7)

1. In combination, a container having an outlet, a closure securable upon said outlet by movement relative thereto in a definite path, a frangible element formed on the container, a tab engageable with said frangible element, and terminating in a ribbon of a length, with the tab so engaged, to extend about the outlet, a ratchet member formed on said ribbon, over which the



closure moves, as the latter moves towards secured position, and cooperating ratchet means on the closure, engageable by the ratchet member on the ribbon upon reverse movement of the closure, to prevent such movement except as the frangible element is broken.

2,040,382
MOTOR VEHICLE SIGNAL
Charles W. Huotari, Los Angeles, Calif.
Application April 2, 1934, Serial No. 718,719
2 Claims. (Cl. 116—54)

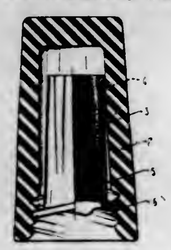


1. In a signal of the class described, a signal casing including a cylindrical portion terminating in a pointed portion, front and rear arrow-shaped windows in said casing having their heads extending into the pointed portion and windows in the pointed part of the casing arranged a quarter turn from the heads of the arrow-shaped windows, and a lamp in the casing.

2,040,383
MEANS FOR JOINING ELECTRIC CURRENT CONDUCTORS
Christiaan Hendrik Jasper, Rotterdam, Netherlands
Application April 27, 1935, Serial No. 18,592
In the Netherlands June 20, 1934
4 Claims. (Cl. 173—263)

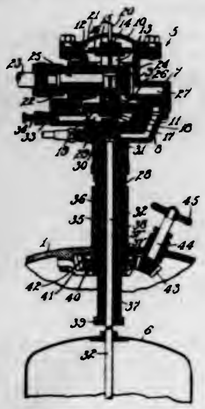
1. Means for joining electric current conductors, comprising a metallic sleeve having a coni-

cal bore with internal thread, the wall of said sleeve being provided, through at least part of its length, with a substantially axial fold or plait



the radial width of which decreases from the narrower to the wider opening of the bore.

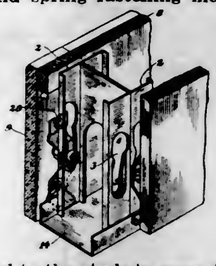
2,040,384
ADJUSTABLE FLOAT MECHANISM FOR BOTTLE FILLERS
James Kantor, Chicago, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application March 25, 1932, Serial No. 601,147
2 Claims. (Cl. 226—118)



1. In a bottle filling mechanism, the combination with a filling tank, of a valve for controlling the admission of pressure to said tank to control the admission of fluid thereto, including a hollow stem member extending through and into said tank, a float within said tank operatively and mechanically connected to said valve, a nut mounted against vertical movement on said tank and engaging a threaded portion of said stem member and means, for rotating said nut to vertically adjust said valve and float.

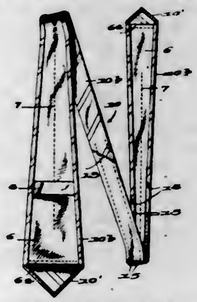
2,040,385
WALL ASSEMBLY
George D. Kellogg, Pelham Manor, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application October 19, 1933, Serial No. 694,249
9 Claims. (Cl. 72—0.5)

1. A wall assembly including upright supports in the form of studs, preformed panels of finishing material disposed and secured over a portion of the said studs, to leave the lower portion of the studs uncovered thereby, a baseboard of plane rear surface disposed over said lower portion of the studs, and spring fastening means securing
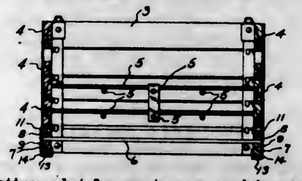


the baseboard to the studs in spaced relationship thereto.

2,040,386
NECKTIE
Olive Day Keiser, Columbus, Ohio
Application November 14, 1934, Serial No. 753,049
9 Claims. (Cl. 2—146)



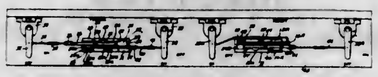
1. A tie comprising inner and outer linings arranged face to face with their opposite longitudinal edges terminating in substantially the same plane, a keeper strip disposed across said outer lining, a facing, said linings being secured together between their opposite longitudinal edges below said keeper strip; and the opposite longitudinal edges of the facing being stitched to the opposite longitudinal edges of said linings and keeper strip; and the facing being folded over the stitches, the ends of said keeper strip, and opposite longitudinal edges of the lining.

2,040,387
CRATE
Fred G. Krueger, Norwood, and Harold S. Lion, Cincinnati, Ohio, assignors to The United Milk Crate Corporation, Cincinnati, Ohio, a corporation of Ohio
Application September 3, 1931, Serial No. 561,022
12 Claims. (Cl. 217—20)



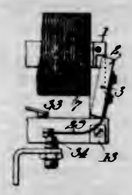
1. A bottom slat for crates comprising a wooden member and a metal plate secured thereto and covering at least the outer face of the slat and the base thereof, and extending also over the top of the slat.

2,040,388
SAFETY DEVICE FOR CABLEWAY SWITCHES
Henry Kruger, Portland, Oreg.
Application February 16, 1935, Serial No. 6,851
2 Claims. (Cl. 74—483)



1. A device of the class described to be used for controlling pair of switches, comprising a lock box having a channelway disposed longitudinally therethrough, locking bars, having notches therein, formed at each side of said lock box, a pair of members slidable, one at a time, within said channelway, and lugs formed within each of said members adapted for insertion within the complementary notches in the respective locking bars, whereby the movement of one of the slidable members locks the other of said slidable members against movement.

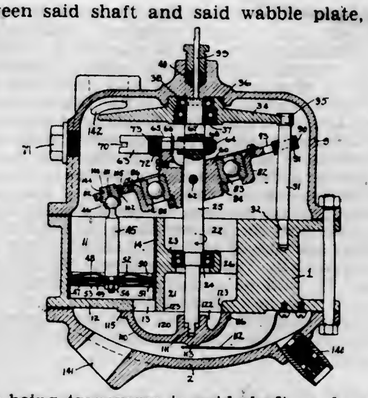
2,040,389
ELECTROMAGNETIC SWITCH
Anthony H. Lamb, Elizabeth, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application November 14, 1931, Serial No. 575,067
7 Claims. (Cl. 200—87)



1. An electromagnetic device of the type including a core having opposed poles, an armature of rectangular bar form between said poles, switch mechanism mounted on said armature and forming therewith a moving system, means pivotally supporting said armature for rocking movement about an axis passing substantially through the center of gravity of said moving system, and an operating winding on said core, characterized by the fact that one of said poles includes a face positioned adjacent and substantially parallel to the path of movement of one end of said armature, and a face extending into the path of movement of said armature.

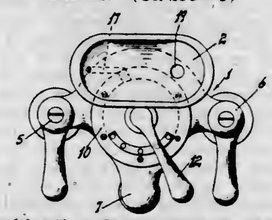
2,040,390
FLUID METER
Ira G. Loe, Cleveland, Ohio, assignor of one-fourth to John C. Brayton, Cleveland, Ohio
Application October 13, 1931, Serial No. 568,561
Renewed March 28, 1936
13 Claims. (Cl. 73—30)

1. In a fluid measuring device a shaft adapted to rotate when the meter is measuring, a plurality of cylinders disposed about said shaft and coaxial therewith, a piston in each of said cylinders, means permitting limited inclination of each piston in its cylinder, an axial stem secured to each piston, a stroke ring connected to all of said pistons by said stems, and a wabble plate fixed to said shaft for rotation therewith within and connected to said stroke ring but rotatable with respect to said stroke ring, adjusting means between said wabble plate and said shaft comprising a pivot between said shaft and said wabble plate, said



pivot being transverse to said shaft, and means for moving said wabble plate upon said pivot.

2,040,391
COMBINATION FAUCET AND DRINKING FOUNTAIN
Charles L. Maguire, Yreka, Calif.
Application April 26, 1935, Serial No. 18,290
2 Claims. (Cl. 299—9)

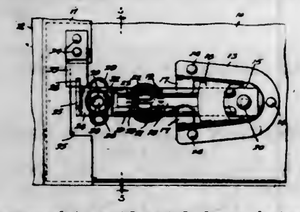


1. A combination faucet and drinking fountain comprising a body, a spout formed on the body, a conical cock rotatably mounted and seated in the body, said cock having a transverse bore extending therethru, said body having water intake passages therein, said bore in the cock being adapted to be brought into registry with the intake passages of the body, said cock having a second bore extending to the first named bore, said second bore being adapted to be brought into registry with the spout whereby water flows from the faucet, a fountain bowl integrally formed on the body, a passage in the body extending into the fountain bowl, an angular duct in the cock, said angular duct being adapted to be brought into registry with an intake in the body and the last named passage in the body whereby water flows into the drinking bowl, and a drain hole extending from the drinking bowl thru the body, said drain hole being independent of the spout, said passage extending to the fountain bowl, entering at one side of the bowl and the drain hole being on the other side of the bowl.

2,040,392
HOOD CATCH
Arthur Claud-Mantle, Trumbull, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application October 1, 1934, Serial No. 746,285
2 Claims. (Cl. 292—228)

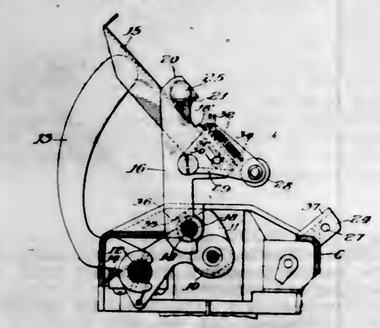
2. Automobile hood fastening means for engaging a keeper disposed upon a fixed part in relation to the end of the hood, the hood in its closed position being limited in its inward move-

ment by engagement of its end portions with a fixed part, comprising a mounting fixture adapted to be mounted upon the interior of the hood at one end in longitudinally spaced relation to the point of engagement of said hood with said fixed part, and said hood being inherently resilient, a catch lever pivotally mounted at one end upon said mounting fixture for rotation about an axis normally perpendicular to the hood surface and having a keeper engaging portion at its other end, said mounting fixture having a movement limiting portion between the pivotal mounting of said lever and the keeper engaging portion disposed at one side of said lever whereby said lever is substantially rigidly supported thereby with respect to said axis, spring means cooperating between said mounting fixture and said catch lever and adapted to press said catch lever upwardly into engagement with said keeper, a



handle secured to said catch lever between said mounting fixture and said keeper engaging portion and extending to the exterior of the hood, said catch means being movable in generally parallel relation to the normal plane of the hood, and said keeper engaging portion being normally transversely outwardly of its keeper engaging position, and being further movable by inward pressure in a transverse direction to the normal plane of the hood to engage said keeper, the engagement of said catch with said keeper adapted through said rigid support of said mounting fixture to warp the hood between its ends, whereby the inherent resiliency of the hood sets up pressure to press its ends inwardly against said fixed part.

2,040,393
HINGED PRESSURE ROLLER AND PAPER GUIDE FOR DUPLICATOR CARRIAGES
Alfred Marchev, La Grange, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application May 11, 1934, Serial No. 725,035
12 Claims. (Cl. 101—133)



1. A carriage for duplicating machines having mounted thereon a platen roller, a pressure roller, and a paper guide, the paper guide being stationary on said carriage in normal operating position and being movable out of normal operating position to provide for ready access to said rollers.

2,040,394
HYDRAULIC PRESS
Louis A. Melin, Chicago, Ill.
Application September 22, 1933, Serial No. 690,524
13 Claims. (Cl. 100—50)



2. An hydraulic press comprising in combination, curb guides, an inner curb, an outer curb spaced from and surrounding the inner curb and slidably mounted on the guides for movement relative to the inner curb, a ram formed as a part of the inner curb and movable to compress the material between the curbs, the outer curb moving with the ram during the initial stage of the compression of the material and the ram having passages for discharging outwardly of the outer curb liquid squeezed through the inner curb, and a member operating as an abutment for the compressing movement of the ram.

2,040,395
TREATMENT OF HYDROCARBON OILS
Jacque C. Morrell and Gustav Egloff, Chicago, Ill., assignors, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 19, 1931, Serial No. 582,156. Renewed April 5, 1934
4 Claims. (Cl. 44—9)

1. In the cracking of hydrocarbon oils by heat and pressure wherein cracked vapors containing gasoline are separated from residuum, the method which comprises adding a halogen and ammonia to the cracked gasoline vapors after their separation from the residuum, interacting the halogen, ammonia and a part of the vapors in a vapor zone of the cracking process where the vapors are at a temperature of from 300 to 600° F. to form amino derivatives, and condensing and collecting the gasoline vapors containing the amino derivatives thus formed.

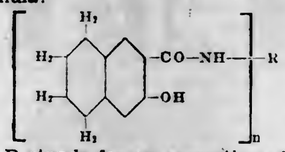
2,040,396
TREATMENT OF HYDROCARBON OILS
Jacque C. Morrell and Gustav Egloff, Chicago, Ill., assignors, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application December 26, 1931, Serial No. 583,400. Renewed April 5, 1934
6 Claims. (Cl. 44—9)

1. In the cracking of hydrocarbon oils by heat and pressure wherein cracked vapors containing gasoline are separated from residuum, the method which comprises introducing a halogenated hydrocarbon and ammonia to the cracked gasoline vapors after their separation from the residuum, reacting the halogenated hydrocarbon and ammonia in a vapor zone of the cracking process where the vapors are at a temperature of from 300 to 600° F. to form an amine, and condensing and collecting the gasoline vapors containing the amine thus formed.

3. In the cracking of hydrocarbon oils by heat and pressure wherein cracked vapors containing gasoline are separated from residuum, the method which comprises introducing a halogenated hydrocarbon and ammonia to the cracked gasoline vapors after their separation from the residuum, reacting the halogenated hydrocarbon and ammonia in the presence of a catalyst having a refining action on the vapors and in a vapor zone of the cracking process where the vapors are at a temperature of from 300 to 600° F. to form an amine, and condensing and collecting the gasoline vapors containing the amine thus formed.

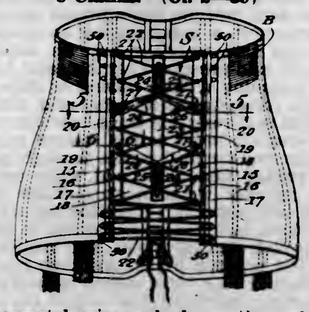
2,040,397
ARYLAMIDES OF 5.6,7,8-TETRAHYDRO-2-HYDROXYNAPHTHALENE-3-CARBOXYLIC ACID
Heinrich Morschel, Cologne-Deutz, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application November 21, 1934, Serial No. 754,181. In Germany December 8, 1933
4 Claims. (Cl. 260—124)

1. Dyestuff intermediate products of the general formula:



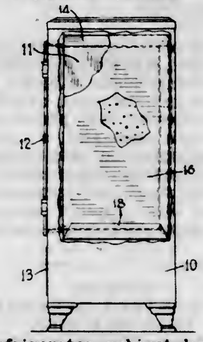
wherein R stands for an aromatic radical having more than one nucleus free from solubilizing groups and *n* stands for one of the numbers one and two, being well crystallizing colorless to yellowish colored substances insoluble in water and soluble in aqueous alkalies.

2,040,398
FOUNDATION GARMENT
Matthew A. Nathanson, Brookline, Mass., assignor to Anna M. Nathanson, Brookline, Mass.
Application February 8, 1934, Serial No. 710,271
8 Claims. (Cl. 2—39)



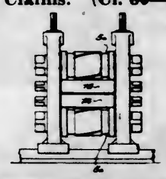
1. A corset having a body portion adapted to partially encircle the body of the wearer and a structure attached to the adjacent edges of said body portion, said structure including, in combination, a panel of fabric, reenforcing strips secured to the side edges of said panel, a lacing whereby said reenforcing strips may be drawn towards each other for adjusting said corset to fit the wearer, a stay secured to said panel lengthwise of the latter and intermediate the side edges thereof, and a plurality of pairs of links connecting said stay with said reenforcing strips, the inner ends of the links of each of said pairs being pivotally connected to each other and slidably connected with said stay, the outer ends of the links of each of said pairs being pivotally connected to said reenforcing strips.

2,040,399
REFRIGERATOR CABINET INSULATION
Carl H. Nauert, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application March 1, 1934, Serial No. 713,441
3 Claims. (Cl. 220—9)



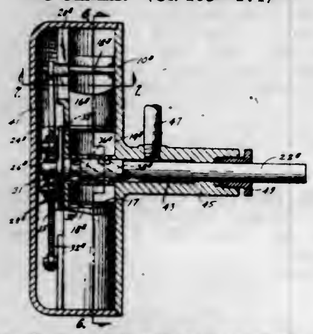
1. In a refrigerator cabinet having an outer casing and a storage compartment formed by a substantially rectangular liner within and spaced from said outer casing, insulation attached directly to the outside of said liner and comprising a plurality of slabs of insulation material hinged together by flexible, thermal insulating material.

2,040,400
BACKING ROLL FOR SHEET OR PACK ROLLING MILLS
Alexander Paterson, Buffalo, N. Y.
Application February 6, 1933, Serial No. 655,417
11 Claims. (Cl. 80—38)



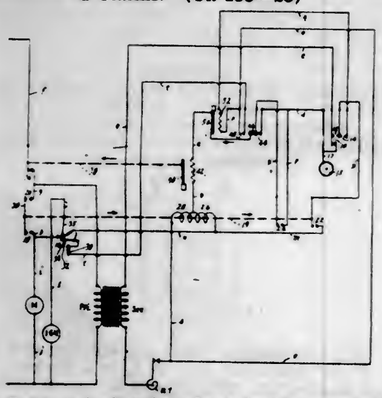
1. The combination with the working roll of a mill of the character described, of a backing roll which is provided with a zone for local contact with the working roll, whereby by suitably heating and cooling the backing roll at said zone the diameter of the backing roll at said zone may be varied to control the deflection of the said working roll, said zone being divided by grooves into a plurality of complementary segments each of which provides an area for contact with the working roll, whereby to facilitate the control of the pass which is provided by the working rolls of the mill.

2,040,401
PUMP OR MOTOR CONSTRUCTION
Lawrence M. Persons, Des Moines, Iowa, assignor to Penn Electric Switch Co., Des Moines, Iowa, a corporation of Iowa
Application October 9, 1933, Serial No. 692,805
3 Claims. (Cl. 103—174)



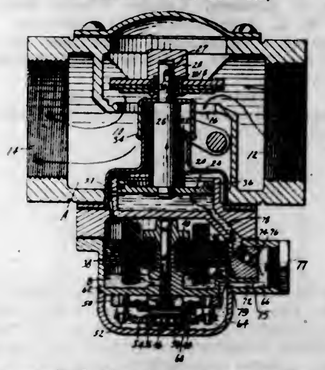
1. In a device of the class described, a casing having an air inlet, a plurality of radiating cylinders therein having heads adjacent each other, a piston in each cylinder, each cylinder having a slot in the side thereof, each piston having a pin extending through each slot, a crank shaft, a hub therefor mounted on said casing and connecting rods connecting said pins with said crank shaft, said crank shaft having ports for controlling the flow of fluid through said inlet to said cylinders and from said cylinders through said hub.

2,040,402
ELECTRIC CONTROL APPARATUS FOR FUEL BURNERS
Lawrence M. Persons, Des Moines, Iowa, assignor to Penn Electric Switch Co., Des Moines, Iowa, a corporation of Iowa
Application November 17, 1933. Serial No. 698,478
4 Claims. (Cl. 158—28)



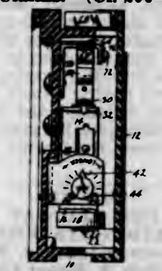
1. In a control system for a fuel burner and its fuel feeding means, a control circuit including an igniter, a motor controlling fuel feed, a multiple contact relay operable when energized to close contacts energizing said motor and igniter and to close primary and secondary holding contacts in series with the coil of said relay, an electrically actuated thermal warp switch having contacts which are closed when the thermal warp element is cold shunting said primary holding contacts to permit a starting circuit to be established while they are open, a combustion switch having first contacts operable to establish a circuit through said secondary holding contacts and having second contacts to energize said warp switch upon combustion occurring, whereupon after a time period the contacts of the warp switch are opened and the relay coil is maintained energized through said secondary holding contacts and said first contacts, said combustion switch upon combustion failure de-energizing said warp switch by opening said second contacts and opens said circuit established by said first contacts and including said secondary holding contacts whereby said relay is de-energized and said warp switch, after providing a purging period while it is cooling down and upon reclosing its contacts will re-establish the circuit around said primary holding contacts to cause re-cycling of said control system.

2,040,403
ELECTRO-HYDRAULIC CONTROL STRUCTURE
Lawrence M. Persons, Des Moines, Iowa, assignor to Penn Electric Switch Co., Des Moines, Iowa, a corporation of Iowa
Application January 31, 1934, Serial No. 709,201
1 Claim. (Cl. 60—52)



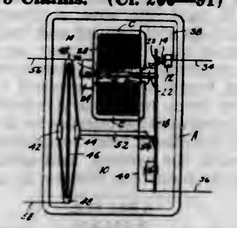
In a control structure, a controlling device movable to opposite positions, means constraining said device to remain in one of said positions and mechanism to move said controlling device to its opposite position against such constraint, said mechanism comprising a pressure chamber, a medium therein, said pressure chamber being in operative connection with said controlling device to move it to such opposite position upon said medium being placed under pressure, a reservoir, a pump having an intake connected with said reservoir and an outlet connected with said pressure chamber, said last connection including a bore having a stop at one end and a valve seat at its other end, communicating with said reservoir and a movable member therein adapted to be moved toward said valve seat by the medium as it passes through said bore and to engage and close said valve seat, said movable member when in an opposite position engaging said stop and permitting return of said medium from said pressure chamber to said reservoir through said valve seat, said member when in said first position preventing such passage of said medium, check valve means in said member for permitting restricted flow only of the medium from the pump to the pressure chamber when said member is in said first position, means for stopping the movement of said controlling device when it assumes its opposite position, and means for operating said pump to place said medium under pressure, said last named means when inoperative allowing the pressure of said medium to reduce and said movable member to thereby be moved by said constraining means away from said valve seat to permit return of said medium.

2,040,404
SWITCH STRUCTURE WITH DIFFERENTIAL ADJUSTMENT
Lawrence M. Persons, Des Moines, Iowa, assignor to Penn Electric Switch Co., Des Moines, Iowa, a corporation of Iowa
Application September 15, 1934, Serial No. 744,156
16 Claims. (Cl. 200—122)



11. In a switch structure, a switch arm, a contact carried thereby, a second contact for coaction with the contact on said switch arm, a carrier element for said second contact, a leaf spring, said second contact being mounted thereon, said leaf spring being arranged to cause said second contact to normally engage said carrier element, said second contact being movable from engagement therewith only under constraint of said leaf spring and means for actuating said switch arm comprising a bimetal element anchored at one end and operatively connected with said arm at its other end and doubled in zigzag formation between its ends.

2,040,405
SWITCH STRUCTURE WITH MEANS TO PREVENT ARCING UPON CIRCUIT CLOSURE
Lawrence M. Persons, Des Moines, Iowa, assignor to Penn Electric Switch Co., Des Moines, Iowa, a corporation of Iowa
Application April 29, 1935, Serial No. 18,742
8 Claims. (Cl. 200—91)



1. In a switch structure, a pair of contacts for controlling an alternating current circuit, means for separating and engaging said contacts, and means in addition to said first means for exerting a separating force thereon, said last means being operable while said contacts are separated and inoperable while they are engaged, said last said means being electro-magnetic and one of said contacts being responsive thereto, movable thereby and responsive to the pulsations thereof.

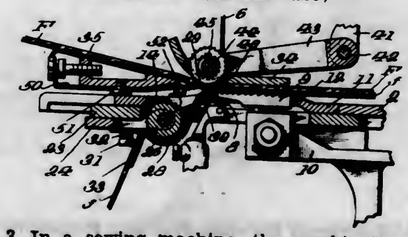
2,040,406
CHEMICAL HEATING COMPOSITION AND METHOD OF CHEMICALLY PRODUCING HEAT
Raymond E. Reed, Chicago, Ill., assignor to The Kendall Company, Chicago, Ill., a corporation of Massachusetts
No Drawing. Application November 7, 1932.
Serial No. 641,615
15 Claims. (Cl. 44—3)

11. A chemical heating composition for a heat pad adapted to produce heat by chemical action with water, comprising a mixture of iron in finely divided condition, a substance selected from the group consisting of those metals and compounds of metals which are electrolytically replaceable by iron, said substance being highly insoluble in water and non-reactive when mixed with iron in the dry state, an acid-forming electrolyte of the class which is stable when mixed with iron in the dry state, and a salt of the class which contains a metallic ion non-replaceable by iron and which is stable when mixed with iron in the dry state but which will react in a water solution of said electrolyte to increase the hydrogen ion concentration sufficiently to effect solution of said replaceable substance, whereby to render the metallic ions of the latter available for the replacement reaction.

2,040,407
CHEMICAL HEATING COMPOSITION
Raymond E. Reed, Oak Park, Ill., assignor to The Kendall Company, Chicago, Ill., a corporation of Massachusetts
No Drawing. Application June 17, 1933,
Serial No. 676,406
18 Claims. (Cl. 44—3)

1. A composition for producing heat by chemical action, comprising a finely divided mixture of a metal selected from the group consisting of the stable metals positioned above iron in the electromotive series of metals, and a substance capable of supplying a metallic ion upon addition of an ionizing medium in the liquid state, the metallic ion supplied by said substance being electrolytically replaceable by said metal, said metal being present in relation to said substance in proportion greater than chemically equivalent quantities and not more than approximately 130 mols of metal to 1 mol. of said substance.

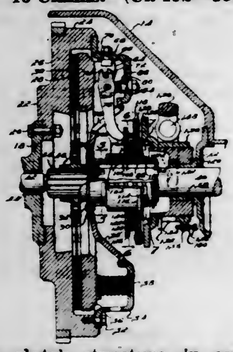
2,040,408
SEWING MACHINE
Albert S. Riviere, Arlington Heights, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application November 20, 1934, Serial No. 753,956
23 Claims. (Cl. 112—208)



3. In a sewing machine, the combination of a work support, stitching mechanism, feeding mechanism, means for directing superposed fabric sections to said stitching mechanism, a feed roller contacting with said under fabric section

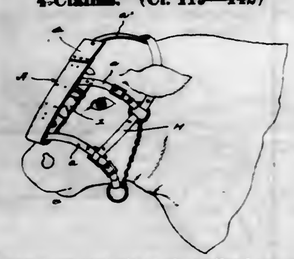
and rotated thereby, a plurality of feed disks contacting with the upper fabric section, intermeshing gears connecting said feed roller with said feed disks, said gears being dimensioned so as to rotate said feed disks faster than the feed roller.

2,040,409
SERVO MECHANISM
Robert C. Russell, Detroit, Mich.
Application December 1, 1933, Serial No. 700,423
15 Claims. (Cl. 192—36)



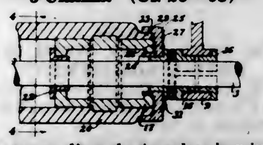
15. In a clutch structure, in combination, a rotatable driving part, a driven part constantly urged toward frictional engagement therewith, means movable axially of said clutch for releasing said frictional engagement and means for moving the first mentioned means including, a pair of relatively rotatable members so constructed and arranged as to effect axial movement of one thereof with respect to the other thereof upon relative rotation between them, frictional means tending to maintain the normal position of one of said members but yieldable under abnormal forces present therein to permit shifting of said one of said members, and means under the manual control of the operator of said clutch for utilizing rotation of said driving member to effect relative rotation between said members.

2,040,410
ANTIBUTTING DEVICE
Frank Sacker, Monroe, Wis., assignor of three-fourths to Adam Marty and one-fourth to Harold J. Lambeley, both of Monroe, Wis.
Application February 6, 1935, Serial No. 5,274
Renewed March 30, 1936
4 Claims. (Cl. 119—142)



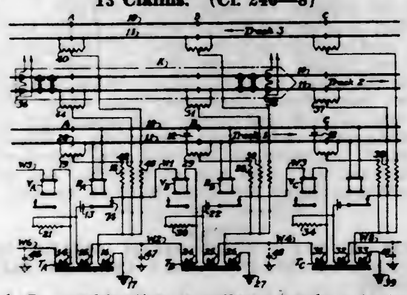
1. A device of the class described comprising a substantially V-shaped resilient member, and channel-shaped members connected with the rear face of the front limb and having their limbs pointed at their free ends, said limbs straddling the rear limb.

2,040,411
BOWED EXPANDER ROLL
Charles W. Shute, Hyde Park, Boston, Mass., assignor to Frederick T. Walsh, doing business as Thomas Leyland Machinery Company, Boston, Mass.
Application May 8, 1935, Serial No. 20,359
5 Claims. (Cl. 26—63)



1. Cloth expanding devices having in combination bowed shafts, expander bobbins rotatably mounted on such shafts, a non-rotating central support for the shafts, a rubber sleeve surrounding a plurality of these bobbons at one side of the central support, a ferrule overlying the extremity of the rubber sleeve having a bush driven into the end of the bobbin adjacent the center support, and a bushing interposed between the bush and the shaft and between the ferrule and the center support.

2,040,412
APPARATUS FOR RAILWAY COMMUNICATION SYSTEMS
Andrew J. Sorensen, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application September 20, 1934, Serial No. 744,814
13 Claims. (Cl. 246—8)



1. In combination, a railway track, a train to travel on said track, means located on the train for inducing a communication current in the traffic rails of said track, a line wire extending along the track, a transformer including a first winding interposed in said line wire, a circuit connected between the rails and ground and including a second winding of said transformer, said circuit operative in response to the communication current flowing from rails to ground to induce an electromotive force in said first winding for causing such communication current to flow in the line wire in both directions from said transformer and return through the ground, and signaling means governed by such current flowing in said line wire.

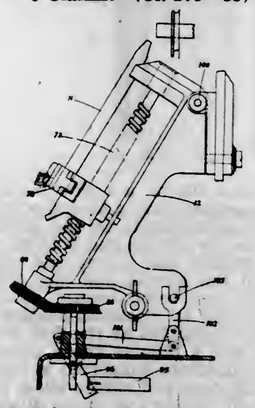
2,040,413
BAILER
Wilson Tarkington, Houston, Tex., assignor of one-half to Sam J. Lucia, Emmanuel M. Lucia, and John Matranga, all of Houston, Tex.
Application March 5, 1934, Serial No. 713,995
1 Claim. (Cl. 166—19)

In a bailer for bailing oil wells having fluid head pressure, the combination of a casing closed at its upper end by means of a top provided with a bail for attaching a cable as means of lowering into and withdrawing from an oil well, said top being provided with a relief valve adjusted to hold sufficient bottom well pressure in the casing to effect unloading at the surface, the casing provided with a foot valve attached to its lowermost end, said foot valve comprising cylindrical telescopic body elements with limited longitudinal movement for the operation of two inner concentric cylindrical slide valve members, the outer element having a partition therein intermediate its ends and the inner element having a bottom wall, the inner slide valve members



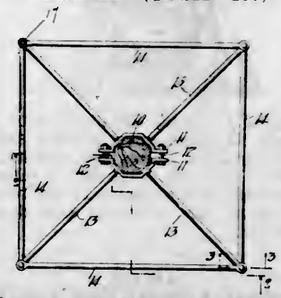
comprising one inside member open at both ends and secured at its lower end in an opening in said partition, and one outside member closed at its upper end and secured at its lower end in an opening in said bottom wall, ports in each member adapted to register when the cylindrical body elements are telescoped, the foot valve ports opening when said bailer strikes sand, shale or other material of a solid nature within the well bore bottom, to allow ingress of well fluid and other matter to be bailed, and closing when the elevator is elevated to trap the contents within the bailer casing.

2,040,414
ELECTRIC ARC LAMP
Harold Leslie Thomas, London, England, assignor to Sperry Gyroscope Company Inc., Brooklyn, N. Y., a company of New York
Application January 3, 1935, Serial No. 195
In Great Britain January 4, 1934
8 Claims. (Cl. 176—55)



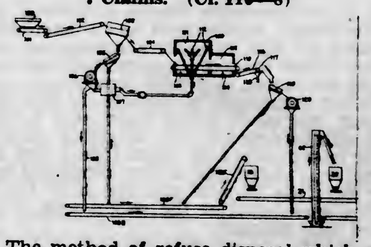
1. An electric arc lamp comprising positive and negative electrodes, a voltage coil, and feed means controlled thereby for automatically feeding the negative electrode, in combination with lever means for giving temporarily an accelerated advance movement to the negative electrode when the current is switched an and before the arc is struck, said lever means becoming inoperative immediately after the arc has been struck.

2,040,415
HANGER
John E. Trottier, New York, N. Y., assignor of one-half to Jeremiah Healy, Riverdale, N. Y.
Application January 22, 1935, Serial No. 2,865
4 Claims. (Cl. 211—107)



1. A hanger comprising a collar adapted to enclose and grip a vertical support, arms connected to said collar and having short vertical portions adapted to engage the support and long horizontal portions extending radially, and rods connecting the free ends of said arms to define triangular frames.

2,040,416
METHOD OF TREATING REFUSE AND MAKING BUILDING MATERIALS THEREFROM
Maxwell M. Upson, Englewood, N. J.
Original application August 19, 1930, Serial No. 476,322. Divided and this application May 1, 1933, Serial No. 668,786
7 Claims. (Cl. 110—8)

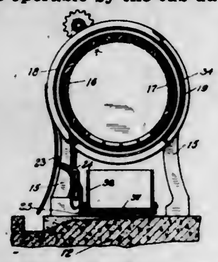


1. The method of refuse disposal which comprises first separating the ash content of the refuse from bulky rubbish, then recovering combustible from the ash refuse by crushing and classifying operations, then utilising at least a part of such combustible to provide combustible for a pulverized fuel flame and in utilizing said flame to incinerate the bulky rubbish materials.

2,040,417
APPARATUS FOR LAUNDERING CLOTHES
James N. White, Denver, Colo.
Application December 26, 1930, Serial No. 504,840
2 Claims. (Cl. 68—18)

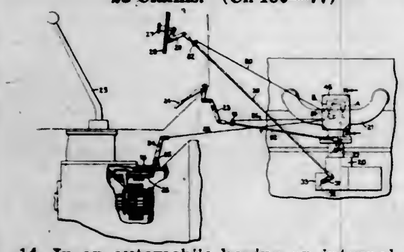
1. In apparatus for treating fabrics, a rotatable tub having a cover spaced therefrom to provide a

longitudinally extending opening along the back upper edge of the tub, means for rotating said tub to bring said opening to the under side of said tub whereby to dump fluid from the tub through the opening, a fluid diverter swingingly mounted at the rear of the tub and normally upright, means operable by the tub during such ro-



tation adapted to swing the diverter to inclined position with its upper edge beneath said opening as such rotation brings the opening toward the bottom of the tub, whereby to divert fluid, dumped through said opening, to the rear of the tub, and means for returning said diverter to normal position.

2,040,418
INTERNAL COMBUSTION ENGINE
Ralph C. Williams, Brooklyn, N. Y.
Application March 20, 1931, Serial No. 524,029
23 Claims. (Cl. 180—77)



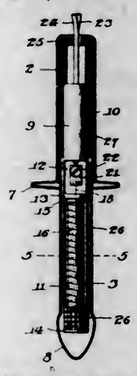
14. In an automobile having an internal combustion engine, a carburetor and a manifold; an auxiliary air inlet valve for admitting air to the current drawn through the carburetor and manifold by the engine, said valve comprising a member which is movable to regulate the flow of air through the valve, means comprising a weight rigid with said member for operating the member by movements of the automobile, a gear shift, a throttle, a choke, and devices connected to the gear shift, the throttle and the choke for controlling movements of the weight and its connected valve member.

2,040,419
INDICATING DEVICE
Thomas Wirth, Munich, Germany
Application February 7, 1933, Serial No. 655,639
In Germany February 17, 1932
1 Claim. (Cl. 35—40)



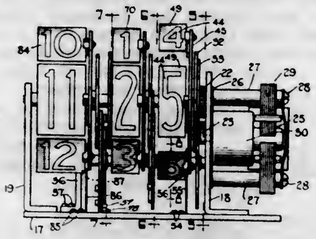
An indicating device including a main member of rectangular envelope form, the outer surface of one face graphically representing the entire data for which the device is designed and formed with data-indicating openings at predetermined points of such data, and an auxiliary member wholly free of connection with the main member and of a size and shape to slide freely in and lengthwise the main member in guided relation thereto, the auxiliary member being provided with dot-like markings serving, when visible through one or more of the openings in the main member, to visibly emphasize such particular opening or openings, the auxiliary member being further provided on a line adjacent one edge thereof with a successive series of respectively distinguished indicators, the main member being formed with an opening through which any selected indicator may be made visible to indicate a predetermined relation between the dot-like markings on the auxiliary member and the openings in the main member, certain of the openings in the main member being in longitudinal alignment in the direction of movement of the auxiliary member to thereby permit a dot-like marking of the auxiliary member to emphasize each of the aligned openings of the main member in different relative positions of the auxiliary member and to the exclusion of other openings of the main member in the same longitudinal alignment, the dot-like markings on the auxiliary member being so relatively disposed that in any one position of the auxiliary member relative to the main member, all dot-like markings of the auxiliary member other than those utilized to emphasize particularly openings in the main member are concealed by the main member.

2,040,420
RECTAL DILATOR
Charles H. Wolff and Hermann Weder, Sr., Philadelphia, Pa.
Application March 15, 1933, Serial No. 660,800
2 Claims. (Cl. 128—303.12)



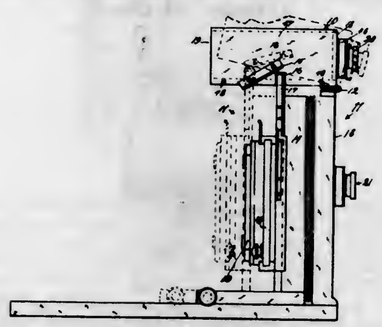
1. In a rectal dilator, a hollow handle, a hollow dilating member having an end portion thereof removably connected to an end portion of the handle, a core having an end portion supported within the handle and a free end portion extending from the handle and into the dilating member, said core being formed wholly of insulating material, an electrical heating coil surrounding and supported by the free end portion of the core, and a tubular guard provided with numerous perforations supported by the free end portion of the core and surrounding the coil in spaced relation thereto and to the dilating member.

2,040,421
NUMERAL CLOCK
Frank G. Almquist, Mount Vernon, N. Y.
Application January 29, 1935, Serial No. 3,932
4 Claims. (Cl. 58—125)



1. In a numeral clock, the combination with a driving mechanism, a plurality of members arranged side-by-side associated with the driving mechanism, and interconnected to be intermittently and rotatably driven at predetermined times to measure time in minutes, tens of minutes and hours, a plurality of bearings arranged on each of said plurality of members adjacent to the circumferential edge thereof, shafts rotatably mounted in each of said bearings, number of plates secured to said shafts, numbers on said plates occupying the larger portion of the superficial areas of each face of said plates, and means including said driving mechanism for rotating the said shafts to successively bring the numbers on opposite faces of the plates into viewing position.

2,040,422
FOCUSING AND FINDING ATTACHMENT FOR CAMERAS
Clyde Bird Austin, Los Angeles, Calif.
Application November 5, 1934, Serial No. 751,613
8 Claims. (Cl. 95—37)



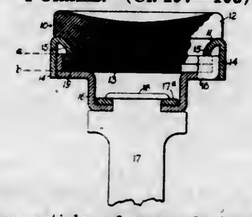
1. An attachment for a camera having a lens, a ground glass and film movable toward and from said lens, a base plate pivotally connected to said camera, an auxiliary lens supported at one end of said plate that is in focus with the lens of said camera, an auxiliary ground glass supported adjacent the other end of said plate, and automatic means for moving said base plate in an arc when the ground glass of said camera is moved toward or from its lens to maintain a constant focus between said lenses and also to automatically move the ground glass of said attachment toward or from said auxiliary lens.

2,040,423
FLASHLIGHT
George H. Barber, New Rochelle, N. Y., and Goodrich B. Pratt, Grantwood, N. J., assignors to Bond Electric Corporation, Jersey City, N. J., a corporation of Delaware
Original application June 25, 1930, Serial No. 463,642. Divided and this application June 29, 1932, Serial No. 619,850
5 Claims. (Cl. 240—10.66)



1. In a flashlight having a battery and a bottom cap provided inwardly with a substantially diametrically disposed raised portion having sides, a battery positioning element having arcuate ends to yieldingly engage the inner periphery of the bottom cap at its bottom, reversely bent portions connected with the ends, respectively, and yieldingly engaging the sides of the raised portion of the bottom cap, angularly disposed portions connected with the bent portions, respectively, and a substantially U-shaped portion connected with the last named portions to engage the battery and offset from the ends.

2,040,424
TYPEWRITING MACHINE
Russell E. Benner, Buffalo, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a corporation of New York
Application January 17, 1934, Serial No. 706,995
4 Claims. (Cl. 197—103)

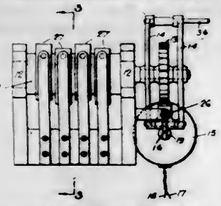


4. As an article of manufacture, a rubber cushion key comprising an upper relatively thick and soft rubber section, and an integral relatively thin and hard rubber section located below said soft section, said upper section having a circumferential groove therein which divides said key into an upper finger striking portion and a lower attaching portion, the location of said groove being such that said attaching portion has a lower hard layer which provides the required rigidity and an upper soft layer which provides a soft gripping surface for the usual key ring.

2,040,425
CONTROL MECHANISM
John L. Biach, New Haven, Conn., assignor to The Engineering and Research Corporation, a corporation of Connecticut
Application July 31, 1931, Serial No. 554,223
9 Claims. (Cl. 175—294)

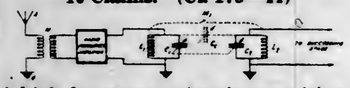
2. A control mechanism for association with circuit breakers, said mechanism including a switch which when closed causes a closing of the circuit breaker, a motor, a second switch actuated by an initial opening of the circuit breaker

with which said mechanism is associated and connected to said motor to initiate the operation thereof, an electromagnet connected to said first named switch to control the actuation thereof, a flash tube in series with said electromagnet, a condenser in shunt with said tube and electro-



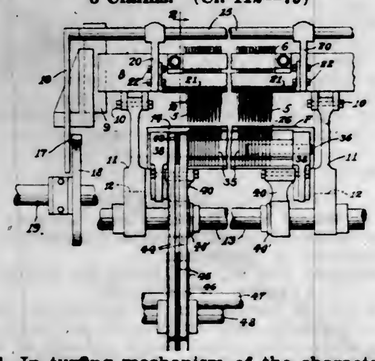
magnet, a plurality of resistances connected to said condenser, and means operated by said motor to sequentially connect said resistances to a source of electrical current supply whereby during such motor operation said electromagnet will be periodically energized to actuate said first named switch a predetermined number of times.

2,040,426
CONSTANT BAND WIDTH RECEIVER
Joseph L. Bonanno, Forest Hills, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application August 20, 1929, Serial No. 387,148
10 Claims. (Cl. 178—44)



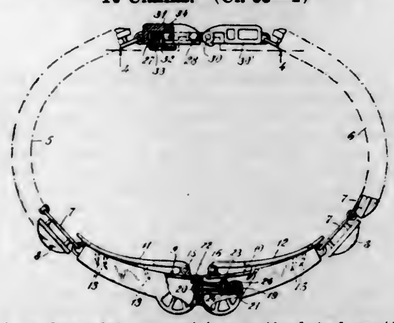
1. A high frequency network comprising a pair of resonant oscillation circuits having fixed inductors with substantially zero mutual inductances between them, variable tuning condensers connected to said inductors having a mutual capacitance between stator elements thereof, said capacitance providing electrostatic coupling between said circuits, a single means for simultaneously adjusting said tuning condensers, and means controlled by said single adjusting means for varying said electrostatic coupling between the resonant circuits.

2,040,427
MULTIPLE NEEDLE SEWING MACHINE
Erskine E. Boyce, Gastonia, N. C., assignor to The Boysell Company, Gastonia, N. C., a corporation of North Carolina
Application February 27, 1935, Serial No. 8,545
8 Claims. (Cl. 112—79)



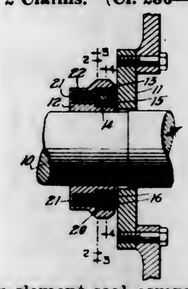
1. In turfing mechanism of the character described, a plurality of needles, means to collectively reciprocate said needles and cause them to pierce a fabric and form loops on one side thereof, a plurality of loop receiving fingers, means to reciprocate said fingers transversely to the path of movement of the needles to receive said loops, a plurality of loop cutting elements, a common support for said elements, and means to move said support and elements thereon toward and away from said fingers in synchronism with the movements of the needles to sever the loops.

2,040,428
JEWELRY
Gaston Candas, New York, N. Y.
Application December 13, 1935, Serial No. 54,174
10 Claims. (Cl. 63—1)



1. A bracelet comprising articulated sections, means at the ends of the sections permitting detachment from the ends of contiguous sections, and fastening means on the sections for attaching them to fabric and the like.

2,040,429
ROTARY ELEMENT SEAL
Ruloff D. Corke, Yonkers, N. Y.
Application October 25, 1933, Serial No. 695,068
2 Claims. (Cl. 286—7)



1. A rotary element seal comprising in combination with a shaft and casing between which a seal is desired, a collar secured to the shaft adjacent a face of the casing, said collar having means at its periphery for releasing the same from the shaft and permitting the collar to be backed away from the casing, the adjacent faces of the casing and collar being parallel and normal to the axis of the shaft, a packing ring circularly laminated with the laminations disposed normal to said adjacent faces of the casing and collar, said packing ring being disposed between said casing and collar and each lamination split upon radial planes normal to the said adjacent faces of the casing and collar into a plurality of segments with the splits of one lamination staggered with

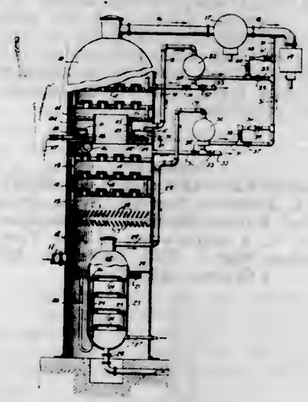
CARNEGIE LIBRARY OF ATLANTA

respect to the splits of the next adjacent lamination, and means for urging the packing ring against one of said faces for rotative sealing engagement therewith, said packing being rigid and replaceable in segments by backing the collar away without direct access to the end of the shaft or collar.

2,040,430
ART OF STABILIZING SOAP
Ernest C. Crocker, Belmont, and Lloyd F. Henderson, Reading, Mass., assignors to Arthur D. Little, Incorporated, Cambridge, Mass., a corporation of Massachusetts
No Drawing. Application December 11, 1928, Serial No. 325,381
7 Claims. (Cl. 87—16)

1. The art of stabilizing soap containing an ionized metal which acts catalytically to promote oxidation of ingredients of the soap, which comprises adding to the soap mass zinc sulfide.

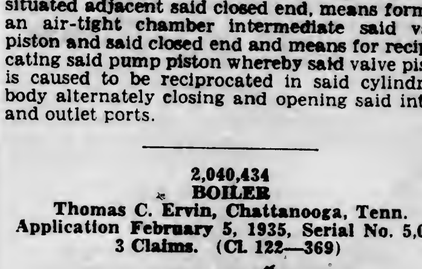
2,040,431
FRACTIONATING APPARATUS
Dion K. Dean, Rahway, and Everett Norman Sieder, Elizabeth, N. J., assignors to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application April 23, 1930, Serial No. 446,443
33 Claims. (Cl. 196—114)



16. Fractionating apparatus comprising a fractionating section and a plurality of stripping sections, means for supplying steam to one of the stripping sections and means for conducting steam from said stripping section to another stripping section.

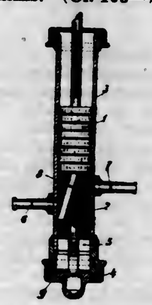
2,040,432
TABLE
Roy A. Dieman, Okmulgee, Okla.
Application July 15, 1935, Serial No. 31,480
2 Claims. (Cl. 311—4)

1. As a new article of mannufacture, a table having its top formed of a front part and a rear part, each part being of substantially rectangular shape in plan, the inner rear corner of the front part merging into and being connected with the inner front corner of the rear part, with the inner end portion of the front part being in alignment with the inner end portion of the rear part and the rear side portion of the front part be-



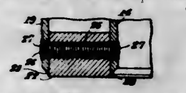
ing in alignment with the front side portion of the rear part.

2,040,433
SUCTION AND FORCE PUMP
Suzanne Alice Duffaud, Paris, France
Application October 24, 1934, Serial No. 749,721
In France November 10, 1933
7 Claims. (Cl. 103—227)



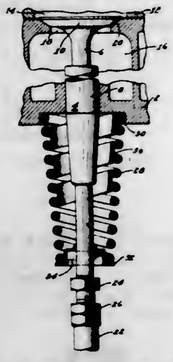
1. A suction and compression pump comprising a cylindrical body closed at one end and having an intake port and an outlet port, a pump piston and a valve piston reciprocably mounted in said cylindrical body, said valve piston being situated adjacent said closed end, means forming an air-tight chamber intermediate said valve piston and said closed end and means for reciprocating said pump piston whereby said valve piston is caused to be reciprocated in said cylindrical body alternately closing and opening said intake and outlet ports.

2,040,434
BOILER
Thomas C. Ervin, Chattanooga, Tenn.
Application February 5, 1935, Serial No. 5,013
3 Claims. (Cl. 122—369)



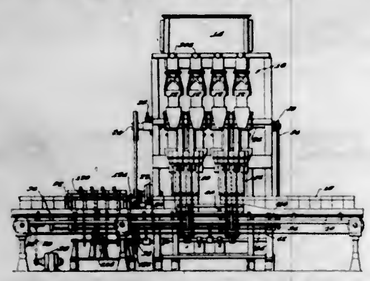
1. A mud ring structure, comprising outer and inner boiler sheets, a mud ring between said sheets, said sheets and intermediate mud ring having aligned tapped openings therethrough, staybolts screwed in said tapped openings through said outer and inner boiler sheets and mud ring, the ends of said staybolts being upset and expanded into the screw threads in said boiler sheets and mud ring, thereby entirely plugging the same and being compressed longitudinally to bind the boiler sheets against the sides of the mud ring.

2,040,435
VALVE SPRING
Walter R. Griswold, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application March 5, 1934, Serial No. 714,007
2 Claims. (Cl. 267—1)



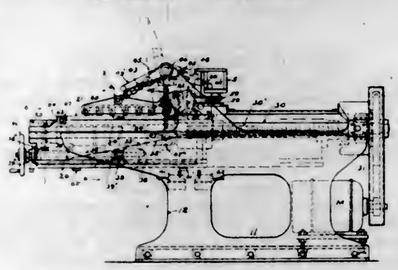
1. In a valve mechanism for internal combustion engines, the combination of a valve, a spring for closing said valve comprising coils diminishing progressively in diameter from one end of the spring toward the other, and a damping means for said spring comprising a second coiled spring telescoped within the larger end of the valve spring, said damping spring being formed with its coils reverse to the coils of the valve spring and with its contact surface throughout conforming substantially to the sloping surface of a geometric right cone, thereby assisting in maintaining the shape of the valve spring as the latter is compressed in operation.

2,040,436
PACKAGING MACHINE
Stanley R. Howard, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application April 13, 1934, Serial No. 720,399
10 Claims. (Cl. 226—95)



1. In a package filling machine, in combination, a filling device arranged to simultaneously fill a plurality of packages forming a group, a discharge conveyor for discharging the filled packages from the machine, a plurality of detectors for operating on a group of filled packages to detect incompletely filled packages, and means for separating said group of packages from a line of packages being discharged in the event that any detector detects an incompletely filled package.

2,040,437
PRINTING PLATE SHAVING MACHINE
William F. Huck, Richmond Hill, N. Y., assignor, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application November 25, 1933, Serial No. 699,732
14 Claims. (Cl. 90—25)



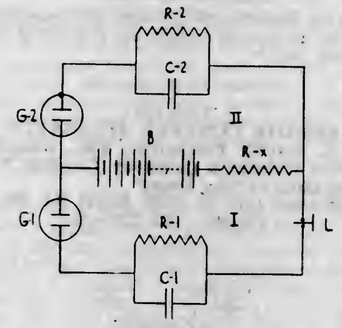
10. In a device of the character described, the combination of a fixed frame, a plate supporting table slidably mounted on said frame, said table being composed of a pair of sections, one of said sections being movable relatively to the other, manually operable means having a mechanical connection to one of the said sections for moving same relatively to the other of the sections in order to raise and lower the said last mentioned section, plate hold-down means pivotally mounted on said fixed frame, resilient means for maintaining a follow-up pressure on the hold-down means while same are optionally in horizontal operative plate hold-down position or in inoperative vertical position, and cutting means engageable with said plate, said cutting means being electrically controlled.

2,040,438
ARMORED BARE GROUND WIRE
Gustave A. Johnson, Newark, N. J., assignor to Electrical Patent Holding Corporation, New York, N. Y., a corporation of New York
Application May 2, 1933, Serial No. 668,909
1 Claim. (Cl. 173—13)



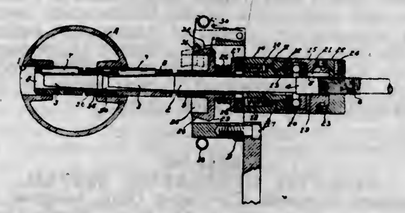
A ground wire for grounding a part of an electrical wiring circuit upon a grounded member comprising, a bare electrical conducting wire and a metallic armor strip of approximately S-shaped cross section wrapped helically and tightly upon said conducting wire to form a flexible protective metallic armor for said conducting wire, said armor consisting of successive convolutions of said armor strip, each of which convolutions has an outwardly projecting portion and an inwardly projecting portion, the outwardly projecting portion of one convolution being disposed to partly overlie the inwardly projecting portion of an adjoining convolution in interlocking relation, said inwardly projecting portions of said successive convolutions providing a continuous helical bead for firmly gripping said conducting wire along a helical line, thereby forming a substantially unitary structure of relatively great strength and resistance to injury.

2,040,439
AUTOMATIC TREMOLO FOR ELECTRICAL MUSICAL INSTRUMENTS
Nicholas Langer, New York, N. Y., assignor of sixty-six and two-thirds to John Halmagyi, Budapest, Hungary
Original application July 30, 1932, Serial No. 626,456. Divided and this application March 4, 1935, Serial No. 9,204. In Hungary and Canada September 24, 1932
5 Claims. (Cl. 84—1)



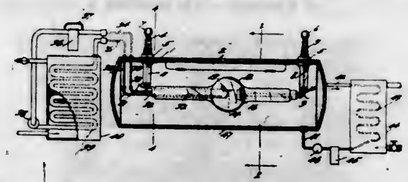
1. An electrical musical instrument comprising a glow-discharge lamp adapted to produce electrical oscillations, a sound producing means operatively associated with said glow-discharge lamp, a second glow-discharge lamp adapted to produce electrical oscillations of considerably lower frequency, and a source of current with a series resistance in common for both glow-discharge lamps, said resistance being large enough to cause a substantial voltage drop whereby the varying voltage drop in said series resistance as caused by the current drawn periodically by the second, slower oscillator will vary working voltage and thereby the frequency of the oscillations produced by the first oscillator.

2,040,440
MULTIPLE ROLLING TOOL
Graves R. Maupin, Moberly, Mo., assignor to The J. Faessler Mfg. Co., Moberly, Mo., a partnership composed of Christiana Faessler, Elizabeth Faessler, Louis E. Faessler, and Graves R. Maupin
Application July 5, 1934, Serial No. 733,732
8 Claims. (Cl. 29—90)



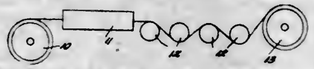
1. In a device of the kind described and in combination, a tapered mandrel; work-engaging means on said mandrel radially expansible to roll a bored surface; and means to initially move said last-mentioned means relatively to said mandrel to radially expand the work-engaging means into work-engagement, and allow more rapidly retracting the same at the completion of said work.

2,040,441
X-RAY APPARATUS
Harry B. McEuen, Jacksonville, Fla.
Application February 15, 1930, Serial No. 428,798
14 Claims. (Cl. 250—34)



1. An X-ray apparatus including a casing, an X-ray tube therein, conductor posts secured in the casing and supporting the tube, one end of the tube being formed with a cylindrical hollow extension, an element carried by the post to receive the extension, means carried by the element for fixing the extension with respect to the element, said hollow extension forming a conduit for the conducting wires, the opposite end of the tube having a rectangular extension, a conducting element carried by the remaining post, said element being formed with an opening to receive the rectangular extension of the X-ray tube, and ball elements for guiding the extension and providing electrical continuity.

2,040,442
METHOD OF TREATING SHEET METAL
Henry W. Nieman, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application November 30, 1932, Serial No. 644,972
12 Claims. (Cl. 153—54)



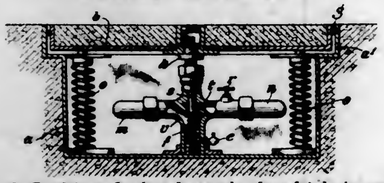
1. The method of producing a mild steel sheet with tinned surfaces and good drawing properties, substantially free from tendency to flute or stretcher strain, which comprises cold rolling the sheet to gauge, annealing the same, treating the sheet to lessen its tendency to flute or stretcher strain, passing the same through a tin pot, immediately thereafter, while still at an elevated temperature, submitting the same to deformation and then cooling the same with sufficient promptness to avoid substantial reversion to a fluting or stretcher straining condition.

2,040,443
PAPER CLIP
Harry G. Pasholan, Worcester, Mass.
Application July 13, 1935, Serial No. 31,216
4 Claims. (Cl. 24—261)



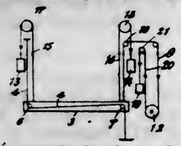
1. A paper clip consisting of a spirally wound resilient wire all parts of which are located substantially within a common plane and provided with free end portions located inwardly and outwardly of the spiral convolutions respectively, the outer of said end portions being bent inwardly out of the curve of the spiral into close engagement with the adjacent portion of the outer convolution.

2,040,444
FLUSHING DEVICE
Hinrich Bancke, Crans-Neuenfelde, Germany
Application April 8, 1935, Serial No. 15,244
In Germany April 25, 1934
5 Claims. (Cl. 4—108)



1. A flushing device for urinals which is operated owing to the weight of the user, comprising a platform supported by springs, a spring-actuated flushing valve, a rod arranged on the valve and a collar which supports the platform arranged on the rod.

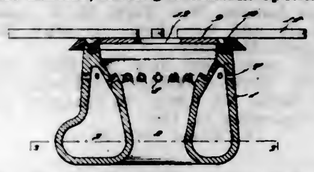
2,040,445
VERTICAL LIFT BRIDGE
Taneyoshi Sakamoto, Tokyo, Japan
Application November 11, 1933, Serial No. 697,604
4 Claims. (Cl. 14—42)



1. In a vertical lift bridge of the character described wherein the bridge is provided with a pair of spaced towers, a movable span disposed between said towers and having a roller at each end, a cable fixed at one end to the upper portion of one tower and passing beneath the roller on the movable span adjacent to said tower and over the roller at the other end of the span and having the other end fixed adjacent to the lower portion of the second tower at said other end of said span, and at least one counterbalancing cable secured to said other end of the span and passed over a sheave upon said second tower, the feature of having a counterbalancing weight upon said counterbalancing cable which is insufficient to counterbalance the dead weight of said span, a hoisting drum, a hoisting cable also secured to said other end of the span and passed over a sheave upon said second tower and about said hoisting drum, and a sub-counterweight designed to complement said first counterweight in completely counterbalancing said span and suspended upon the end of said hoisting cable which extends from said hoisting drum.

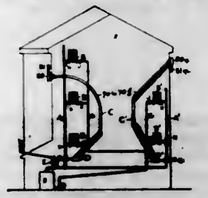
2,040,446
GAS BURNER
Frank H. Schneider, Spring City, Pa., assignor to The Floyd-Wells Company, Royersford, Pa., a corporation of Pennsylvania
Application May 31, 1934, Serial No. 728,198
2 Claims. (Cl. 158—116)

1. In a gas burner, a body portion having an annular chamber with a tangential fuel inlet and a central unobstructed opening through it, the outer wall of said chamber having circumferentially spaced, laterally extending ports, the inner wall of said chamber diverging upwardly and having circumferentially spaced upwardly inclined ports opening into said central opening, said ports being below the top of the burner, a spill-over disc secured in spaced relation with the top of the burner, having a central opening, and



having an imperforate portion overhanging said ports and an utensil supporting grid fixed to said spill-over disc.

2,040,447
REMOTE CONTROL APPARATUS
John A. Serrell, Passagrille, Fla., assignor to Warren Webster & Company, Camden, N. J., a corporation of New Jersey
Application July 31, 1929, Serial No. 382,547
4 Claims. (Cl. 236—91)

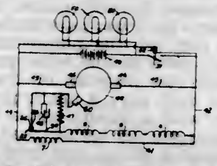


1. In an apparatus of the character stated, a building to be heated, radiators therefor, steam mains for supplying steam to said radiators, a main valve for controlling the supply of steam to the mains, and an electrically actuated power means for actuating the main valve, combined with a source of electric energy, thermostatically controlled means for supplying electricity from the source for intermittently putting the electrically actuated power means into intermittent action a given number of times during a predetermined range of temperature change, circuits and switch mechanism for supplying and controlling electric current to the power means with each change of expansion and contraction of the thermostatic member of the thermostatically controlled means and for shutting off the supply of electric current with each movement of the electrically actuated power means, and manually controlled means for changing the times of the intermittent operation of the electrically actuated power means with respect to the times of expansion and contraction of the thermostatic member, whereby the number of intermittent actions of the power means may be changed as compared to the given number of thermostatic changes covering the predetermined normal range of the thermostatically controlled means.

2,040,448
ELECTRIC GENERATING SYSTEM
Leonard S. Speth, Cleveland, Ohio, assignor, by mesne assignments, to The Leece-Neville Company, Cleveland, Ohio, a corporation of Ohio
Application June 20, 1933, Serial No. 676,632
18 Claims. (Cl. 171—223)

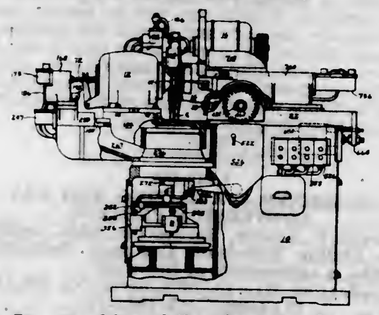
14. In combination, a generator having a field comprising a shunt field winding of normal polarity and a shunt winding of opposite polarity, and a voltage regulator adapted to vary the ampere turns of one of said windings and actuated by a

portion of the magnetic flux of the generator field.



17. In an electric generating system and apparatus, a variable speed current regulating multi-polar electric generator, having main and third brushes and adapted to supply current up to a maximum value only, said generator having a plurality of main field windings of normal polarity and also having an auxiliary field winding connected across said main brushes, a third brush field circuit for energizing the main field windings of the generator, a magnetically operable voltage regulator for controlling energization of the main field circuit arranged to be operated by a portion of the field flux produced by said auxiliary field winding to effect a reduction of the field energization whenever the generated voltage rises to a predetermined value and to effect a regulation of the voltage to a substantially constant value in a working speed range, the said auxiliary field winding being of polarity reversed with respect to a normal polarity therefor.

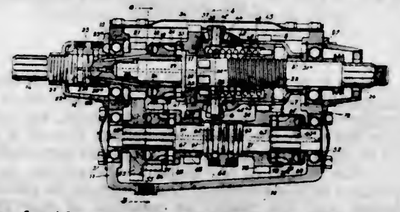
2,040,449
GRINDING MACHINE
Clarence C. Stevens, Forestville, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 10, 1931, Serial No. 543,412
Renewed December 1, 1933
93 Claims. (Cl. 51—97)



1. In a machine of the character described, a work head, a tool head, feed mechanism, means for operating the feed mechanism in one direction to produce a relative feeding movement of approach between the heads, mechanism independent of the feed mechanism and comprising a cylinder and piston unit directly connected to one of the heads for separating the heads in the line of feed, and mechanism for operating the feed mechanism in the opposite direction; substantially as described.

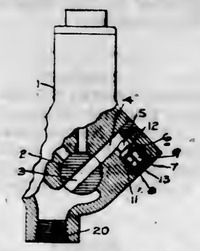
2,040,450
AUTOMATIC TRANSMISSION
Swan George Swanson, Chicago, Ill.
Application August 6, 1934, Serial No. 738,625
21 Claims. (Cl. 74—364)

21. In a transmission, a drive shaft, a driven shaft, a differential mechanism including longitudinally spaced gears on the driven shaft, a member fixed to the driven shaft between said gears, a pinion mounted on said member and meshing with both gears, one of said gears and said member being formed to provide a hydraulic fluid chamber, a nut having a splined connection with



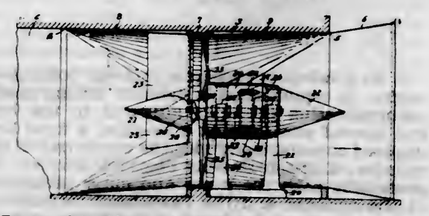
one of said gears and capable of travelling on said driven shaft within said chamber and cooperating with said fluid in forming a cushion connection between said shafts, and means for driving one of said gears in one direction or the other of said gears in either direction from the drive shaft.

2,040,451
FLUID PRESSURE BRAKE DEVICE
Clyde A. Taylor, Chicago, Ill., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 1, 1934, Serial No. 713,492
17 Claims. (Cl. 302—1)



1. In a fluid pressure brake, a valve device having a fluid pressure outlet passage, a fitting wholly secured within said passage and having a central chamber, and a plurality of openings establishing communication between said chamber and said passage.

2,040,452
FAN CONSTRUCTION
Theodor Troller, Akron, Ohio
Application March 23, 1934, Serial No. 717,000
1 Claim. (Cl. 230—120)



In combination, a rotary propeller for moving fluid in a direction generally axially of the propeller and means cooperating with said propeller to control the fluid flow, said means being mounted substantially in axial alignment with the propeller and comprising a series of circumferentially

arranged vanes, said propeller and vanes being designed, with usual engineering variations, in accordance with the following formulae:

(1) $$L=\frac{1}{2}\,t_m\,\frac{1}{\tan a_m}\,\frac{z_p}{z_v}$$

(2) $$r\tan p_r=\text{Const.}$$

(3) $$b_r=\frac{1}{2}\,L\tan p_r,$$

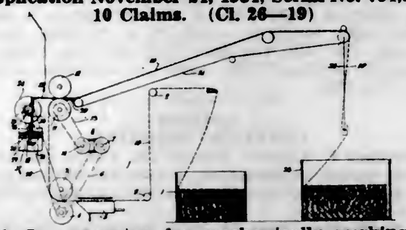
in which L is the length of each vane in a direction parallel to the axis of the propeller; t_m is the average width of each propeller blade; a_m is the angle between the thickness center line of a section of each propeller blade in a plane perpendicular to the length of the blade at the center, in the direction of the length of the blade, of its effective portion and the plane of rotation of any point on the blade; z_p is the number of propeller blades; z_v is the number of vanes; p_r is the angle between a tangent at the edge of each vane nearer the propeller to the thickness center line of a section of the vane which lies in a first plane perpendicular to a second plane containing the axis of the propeller and the edge of the vane remote from the propeller, which edge extends substantially perpendicular to the axis of the propeller, which first plane is at a radial distance r from the axis of the propeller, and a line through the point of tangency parallel to the axis of the propeller; and b_r is the width of each vane at a radial distance r from the axis of the propeller in a plane perpendicular to the axis of the propeller in a direction perpendicular to the edge of the vane remote from the propeller.

2,040,453
INTERNAL COMBUSTION ENGINE
Jacobus Ludwich Wilhelm Weber, Leens, Netherlands
Application July 9, 1932, Serial No. 621,555
In the Netherlands July 10, 1931
9 Claims. (Cl. 123—50)



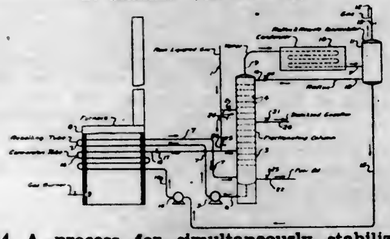
1. In a valveless two-cycle internal combustion engine, in combination, a cylinder having spaced communicating openings adjacent to the head end thereof and forming a by-pass, a fixed head disposed concentrically with the crank end of said cylinder, a piston slidably disposed between and contacting with the inner and outer peripheries of the cylinder and the fixed head respectively, a space between the head of the piston and the head of the cylinder, and a space between the head of the piston and the fixed head, said spaces forming a pump chamber and a combustion chamber respectively, the head of the piston being inclined to the longitudinal axis of the system, the wall of the piston extending beyond said piston head and into the pump chamber, an inlet port arranged in said piston extension immediately above the lower part of the piston head, a fuel inlet port for the pump chamber in the cylinder wall, said piston inlet port communicating on the full instroke of the piston with said cylinder inlet port, a spark plug opening in said cylinder wall, a second piston inlet port immediately beneath the higher part of the piston head, said second piston inlet port communicating on the full outstroke of the piston with the pump chamber through the by-pass and on the full instroke of the piston with said spark plug opening, an exhaust port in said cylinder, an exhaust port in the piston arranged to align with said exhaust port in the cylinder on the full outstroke of the piston, and sealing means on said piston between said first and second piston inlet ports, said sealing means located partially on both sides of the head of the piston.

2,040,454
APPARATUS FOR PRESHRINKING CLOTH
Henry A. Woodhead, Graniteville, S. C.
Application November 24, 1934, Serial No. 754,577
10 Claims. (Cl. 26—19)



1. In apparatus for mechanically working a fabric web to impose a pre-shrunk condition thereon; a plurality of spaced, reciprocable fingers adapted to grip the web at points spaced transversely thereof; and means for reciprocating said fingers for causing them to grip the web and exert loosening, pulling and shoving actions on the component yarns thereof for readjusting their positions within the body of the web to effect a warp-wise compression thereof.

2,040,455
COMBINED STABILIZING AND GAS CONVERSION PROCESS
Malcolm P. Youker, Bartlesville, Okla., assignor to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
Application May 10, 1932, Serial No. 610,513
17 Claims. (Cl. 196—10)



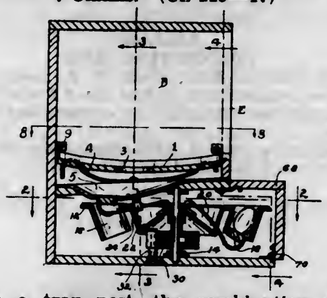
14. A process for simultaneously stabilizing and converting a mixture of very volatile hydrocarbon gases and liquids which comprises first separating the said mixture into stabilized and unstabilized portions, then subjecting a part of the said unstabilized portion to conversion conditions, returning the resulting converted material to the said mixture, fractionating said material into additional stabilized and unstabilized portions simultaneously with the said mixture, and withdrawing the said stabilized portions together as a product of the process.

2,040,456
HEADWEAR
Percy Adamson, Rye, N. Y., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application October 1, 1932, Serial No. 635,723
3 Claims. (Cl. 2—193)



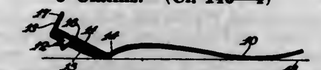
1. An article of headwear composed at least in part of flat braid comprising inelastic threads and elastic threads composed of a rubber core covered with textile material, said braid being sewed together at least partly with elastic thread into the desired shape.

2,040,457
SANITARY NEST
Otto Anderson, Paulsbo, Wash.
Application February 17, 1932, Serial No. 593,640
7 Claims. (Cl. 119—47)



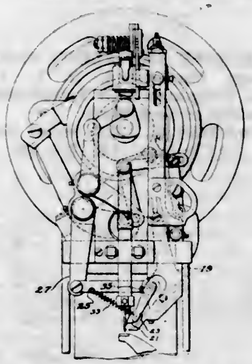
1. In a trap nest, the combination with a spring-lifted, depressible floor, of closure means including a gate post having an angular rock-arm actuated by depression of the floor, a gate pivoted on the post and adapted to rock therewith, and a weight on the gate adapted to swing the gate to open and closed positions with the rocking movement of said arm.

2,040,458
CULINARY IMPLEMENT
Charls B. Bacon, Bridgeport, Conn.
Application September 11, 1934, Serial No. 743,607
5 Claims. (Cl. 146—4)



5. A culinary implement comprising a plate having convex and concave surfaces, a series of prongs projecting from said concave surface, said plate terminating at one end in a handle and at the opposite end in an angularly disposed flange extending from said convex surface and presenting a concave edge.

2,040,459
METHOD AND MACHINE FOR SEWING SAHARA SANDALS
Charles Martin Bagshaw, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 31, 1934, Serial No. 759,899
In Great Britain January 6, 1934
5 Claims. (Cl. 112—34)



1. The method of securing the flanged sole to the heel and forepart of the upper of a Sahara sandal which comprises forming a series of lacing holes in adjacent edges of the sole and upper parts, placing the sole and an upper part in proper relative position and presenting them with their edges abutting to a chain stitch McKay sewing machine with a perforation in the needle path, and moving the work after each reciprocation of the needle to bring the perforations in the upper part and sole alternately into the needle path to form an ornamental seam connecting the parts and sole consisting of a series of chain stitches, the enchained loops of which extend across the abutting edges on the outside of the sandal.

2,040,460
PROCESS FOR THE MANUFACTURE OF RUBBER CONVERSION PRODUCTS
Wilhelm Becker, Cologne-Mulheim, Ludwig Orthner, Leverkusen-I. G. Werk, and Alfred Blömer, Imbach, near Opladen, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application February 23, 1933, Serial No. 658,269. In Germany February 25, 1932
7 Claims. (Cl. 260—1)

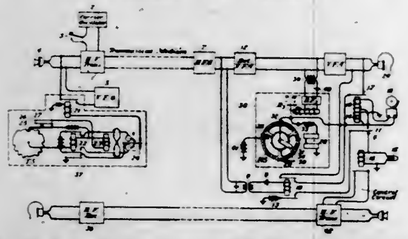
1. In a process of preparing rubber conversion products the step which comprises intimately contacting free oxygen with a liquid mixture containing pieces of unmasticated, unoxidized and undissolved rubber and a rubber solvent in the presence of a metallic oxidizing catalyst until the rubber has dissolved.

2,040,461
DRYING OIL COMPOSITION
Robert D. Bonney, Glen Ridge, and Walter S. Egge, West Orange, N. J., assignors to Congoleum-Nairn Inc., a corporation of New York
No Drawing. Application June 30, 1934, Serial No. 732,306
22 Claims. (Cl. 87—12)

1. The process which comprises the steps of subjecting a substance comprising a drying or

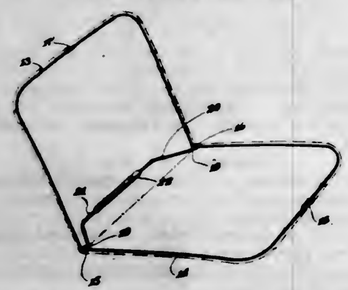
semi-drying oil to oxidizing treatment limited substantially to the formation of uncoagulated products of oxidation, effecting interaction of a fatty acid characterized by 14 to 22 carbon atoms, in an amount in excess of the amount normally present in the oil, with oxidized glyceride constituents of the products of oxidation, and separating and removing unoxidized oil constituents and non-hardening oil constituents.

2,040,462
SELECTIVE SIGNALING SYSTEM
Ralph Bown, Maplewood, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application May 26, 1934, Serial No. 727,801
13 Claims. (Cl. 179—84)



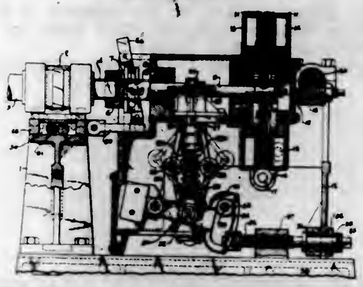
1. In a carrier current electric wave signaling system a transmitter, means for controlling the carrier current signals sent out from said transmitter, said means including a source of selective code signals, a transmission medium, a receiver having in association therewith means responsive to carrier current from the transmitter to disable the message output of said receiver, and means responsive to selective code signals superposed on said carrier current to re-enable said output.

2,040,463
SEAT COVERING DEVICE
John Brueckl, Union City, N. J.
Application April 2, 1935, Serial No. 14,204
10 Claims. (Cl. 155—182)



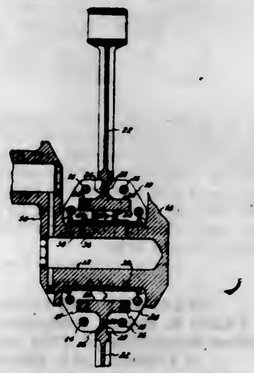
1. In a seat covering device, a pair of opposed U-shaped frames joined at their ends to form hingedly associated back and seat sections arranged at an obtuse angle to each other, an anchoring rod parallel to the hinge axis and having integral means engaging the frames at the hinge axis for anchoring the device into the crevice between the seat and back cushions of the seat to be covered, and yieldable spring means operatively interposed between said frames at their joined ends for resisting movement of the frames into lesser angularity.

2,040,464
SPEED CONTROLLING AND BRAKING MEANS
James A. Cameron, Brooklyn, N. Y., and Robert McC. Johnstone, Short Hills, N. J., assignors to Cameron Machine Company, Brooklyn, N. Y., a corporation of New York
Application August 11, 1932, Serial No. 628,352
2 Claims. (Cl. 188—180)



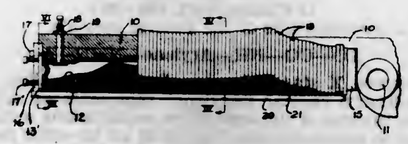
1. In a braking device: two non-rotating brake members; a pivotal support for one of said members; a rotating shaft extending through the other of said members; a third brake member carried by the shaft intermediate the non-rotating brake members; a pressure-exerting member to engage the pivotally supported member at a point substantially in line with the axis of the shaft; a rockshaft carrying the pressure-exerting member; and means controlled by the speed of the rotating shaft to actuate the rockshaft.

2,040,465
CONNECTING ROD
Roland Chilton, Ridgewood, N. J., assignor, by mesne assignments, to The Reed Propeller Co., Inc., Garden City, N. Y., a corporation of New York
Application June 1, 1934, Serial No. 728,481
8 Claims. (Cl. 74—580)



7. A rod system for a radial engine each rod including main and auxiliary slipper portions having outer and inner bearing surfaces, the outer surfaces of both said main and auxiliary portions having the same radius, and the inner surfaces of both said main and auxiliary portions having the same radius, the auxiliary portions extending in circumferential symmetry from the main portion on one side only of the plane of rotation, and each guide slipper overlapping the main slipper of a next adjacent rod.

2,040,466
UNIVERSAL CLAMP
William O. Christy, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application September 29, 1933, Serial No. 691,500
11 Claims. (Cl. 154—9)

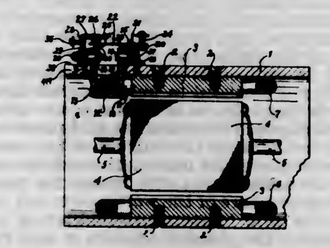


1. In combination with a base, a clamping arm, a plurality of article-engaging members movable on said arm toward and from an article on said base, and fluid pressure means flexibly opposing movement of said members.

2,040,467
METHOD OF PREPARING FORMALDEHYDE DERIVATIVES OF 1-MERCAPTOTHIAZOLES
Albert M. Clifford, Stow, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 21, 1935, Serial No. 7,556
14 Claims. (Cl. 260—44)

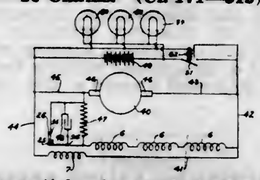
14. The process of preparing a hydroxy methyl thiazyl 1-sulphide which comprises interacting formaldehyde and an alkaline solution of a 1-mercaptothiazole, and acidulating the mixture with a mineral acid.

2,040,468
ELECTRIC GENERATING SYSTEM
Dale S. Cole, Cleveland Heights, Ohio, assignor, by mesne assignments, to The Leece-Neville Company, Cleveland, Ohio, a corporation of Ohio
Application April 8, 1932, Serial No. 604,035
21 Claims. (Cl. 171—223)



3. In an electric generating system and apparatus, an electric generator adapted to be driven at variable speed, the generator having a plurality of field energizing shunt windings, a switch in the circuit of one of the shunt windings adapted to reduce the energization thereof upon operation of its contacts, a magnetically tractable switch operating element disposed in the path of a portion of the flux generated by another of the shunt windings and adapted to operate the contacts whenever the generated voltage rises to a predetermined value, said other winding being energized commensurably with generated voltage.

2,040,469
ELECTRIC GENERATING SYSTEM
Dale S. Cole, Cleveland Heights, and Leonard S. Speth, Cleveland, Ohio, assignors, by mesne assignments, to The Leece-Neville Company, Cleveland, Ohio, a corporation of Ohio
Application June 3, 1932, Serial No. 615,170
16 Claims. (Cl. 171—313)

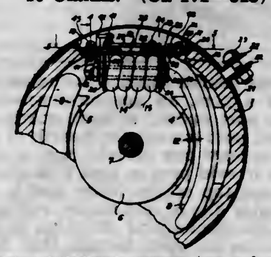


1. As an article of manufacture adapted to be applied to a commercial electric generator, an electro-magnetic switch construction and a winding, the winding having a loop portion formed to embrace a pole of the generator to oppose the normal pole winding, and having a portion formed to energize the switch magnetic circuit.

2. As an article of manufacture adapted to be applied to a commercial electric generator, an electro-magnetic switch construction and a winding, the winding having a loop portion formed to embrace a pole of the generator to oppose the normal pole winding, and having a portion formed to energize the switch magnetic circuit, and the switch construction comprising a support adapted to be secured to the generator frame.

10. In an electric generator construction, a generator frame comprising a walled compartment having an aperture in the compartment wall, a generator armature disposed within said walled compartment, a field pole having a winding whereby it may be energized with magnetic flux of a normal polarity by current generated in the armature, a winding of opposite polarity on the pole and a circuit whereby it may be energized commensurably with voltage generated in the armature, a switch base disposed in the aperture and secured upon the compartment wall, an electro-magnetic switch supported on the base and comprising a magnetic circuit including a ferrous core element, a vibratory armature and switch contacts controlled by movement of the armature, and the winding of opposite polarity having a portion thereof looped around the ferrous core element.

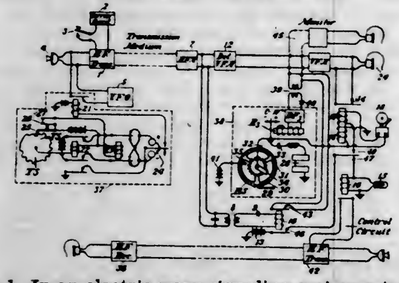
2,040,470
ELECTRIC GENERATING SYSTEM AND APPARATUS
Dale S. Cole, Cleveland Heights, and Leonard S. Speth, Cleveland, Ohio, assignors, by mesne assignments, to The Leece-Neville Company, Cleveland, Ohio, a corporation of Ohio
Application October 29, 1932, Serial No. 640,264
19 Claims. (Cl. 171—313)



1. In an accessory apparatus adapted to be applied to a variable speed variable voltage gen-

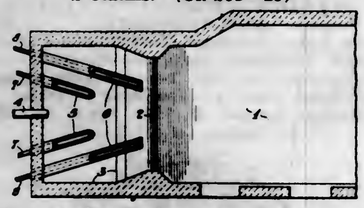
erator of the type having an aperture in the generator frame wall, to convert the generator into a substantially constant voltage generator, a base adapted to be disposed in the aperture, switch contacts and a magnetically tractable switch operating armature on one side of the base, an energizing ferrous magnetic circuit for the armature on the other side of the base comprising a core element and magnetizable elements extending through the base into proximity with the switch operating armature, a winding on the core element and a loop of the winding formed and disposed to be looped around a field pole of the generator.

2,040,471
SELECTIVE SIGNALING SYSTEM
Harry Burrows Coxhead, Plainfield, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application May 26, 1934, Serial No. 727,796
11 Claims. (Cl. 179—84)



1. In an electric wave signaling system a transmitter, means for controlling the signals sent out from said transmitter, said means including a source of selective code signals, a transmission medium, a receiver, means normally disabling the output of said receiver, means responsive to selective code signals to reenable said output, and means controlled from said transmitter for restoring said responsive means to normal at will.

2,040,472
OPEN-HEARTH FURNACE
Louis C. Edgar, Swissvale, Pa.
Application September 27, 1934, Serial No. 745,825
2 Claims. (Cl. 263—15)



1. An open-hearth furnace including the combination of a port, an up-and-down-take from which said port opens, a fuel nozzle pointing through said port toward the hearth of said furnace, and at least one upright conical arch that is arranged in said port so that it is spaced from the walls and top of the latter and is centered over the center line of said nozzle, said arch converging in the discharging direction of said nozzle and having an open bottom that faces said up-and-down-take and is at least mainly in line therewith.

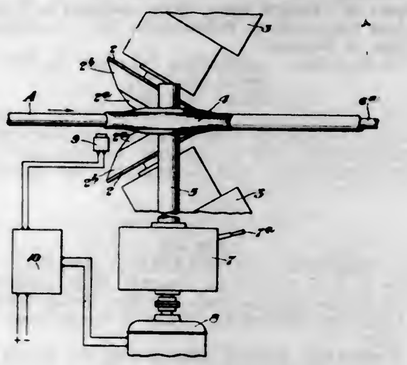
2,040,473
AZO DYESTUFFS AND PROCESS OF PREPARING THE SAME
Robert E. Etzelmiller, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 18, 1934, Serial No. 735,821
13 Claims. (Cl. 260—95)

1. Azo dyestuffs of the general formula

XO—CO—NH—Arylene—N=N—A

wherein X stands for an alkyl, aryl, aralkyl or hydroaryl radical, "Arylene" represents an arylene nucleus of the benzene or naphthalene series; and A represents the nucleus of an ice-color coupling component of the ortho-hydroxy-arylcarboxylic-acid-arylamide series; and in which X, Arylene and A contain no carboxylic or sulfonic acid groups.

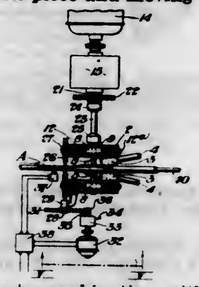
2,040,474
APPARATUS FOR PROCESSING METAL WORKPIECES
Robert U. Geib, Jr., Edgewood, Pa.
Application October 9, 1933, Serial No. 692,875
7 Claims. (Cl. 80—13)



6. Apparatus for manufacturing pipes and tubes comprising a plurality of power-actuated metal-working rolls, said metal-working rolls being constructed and arranged to move the work-piece longitudinally and work the material of which it is composed; whereby portions of the work-piece are caused to bulge intermediate the metal-working rolls, at least one power-actuated guide roll disposed intermediate said metal-working rolls for limiting the bulging of the material of the work-piece and moving it longitudinally of its axis, in combination with means for registering the temperature of the work-piece, and means operated by said temperature-registering means for governing the speed of rotation of said power-actuated guide roll.

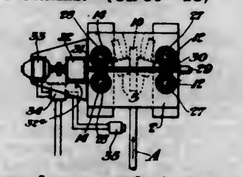
2,040,475
APPARATUS FOR PROCESSING TUBULAR METAL WORKPIECES
Robert U. Geib, Jr., Edgewood, Pa.
Application October 9, 1933, Serial No. 692,876
4 Claims. (Cl. 80—13)

3. Apparatus for manufacturing pipes and tubes comprising a plurality of power-actuated metal-working rolls, said metal-working rolls being constructed and arranged to move the work-piece longitudinally and work the material of which it is composed, whereby portions of the work-piece are caused to bulge intermediate the metal-working rolls, at least one power-actuated guide roll disposed intermediate said metal-working rolls for limiting the bulging of the material of the work-piece and moving it longitudi-



nally of its axis, in combination with means for registering the temperature of the work-piece, and means operated by said temperature-registering means for moving said power-actuated guide roll axially with respect to the direction of longitudinal movement of the work-piece.

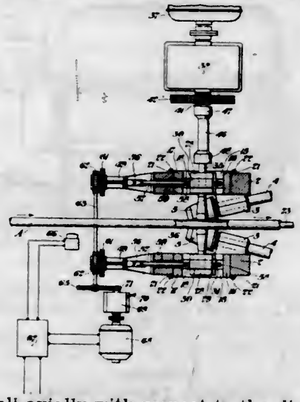
2,040,476
APPARATUS FOR PROCESSING METAL WORKPIECES
Robert U. Geib, Jr., Edgewood, Pa.
Application October 9, 1933, Serial No. 692,877
6 Claims. (Cl. 80—13)



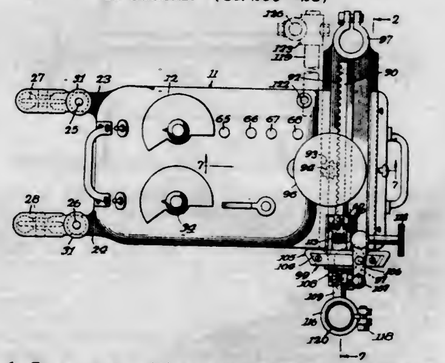
5. Apparatus for manufacturing pipes and tubes comprising a plurality of power-actuated metal-working rolls, said metal-working rolls being constructed and arranged to move the work-piece longitudinally and work the material of which it is composed, whereby portions of the work-piece are caused to bulge intermediate the metal-working rolls, at least one power-actuated guide roll disposed intermediate said metal-working rolls for limiting the bulging of the material of the work-piece and moving it longitudinally of its axis, in combination with means for registering the temperature of the work-piece, and means operated by said temperature-registering means for moving said power-actuated guide roll toward and away from the work-piece.

2,040,477
APPARATUS FOR PROCESSING TUBULAR METAL WORKPIECES
Robert U. Geib, Jr., Edgewood, Pa.
Application October 9, 1933, Serial No. 692,878
9 Claims. (Cl. 80—13)

8. Apparatus for manufacturing pipes and tubes comprising a plurality of power-actuated metal-working rolls, said metal-working rolls being constructed and arranged to move the work-piece longitudinally and work the material of which it is composed, whereby portions of the work-piece are caused to bulge intermediate the metal-working rolls, at least one power-actuated guide roll disposed intermediate said metal-working rolls for limiting the bulging of the material of the work-piece and moving it longitudinally of its axis, in combination with means for registering the temperature of the work-piece, and means operated by said temperature-registering means for moving said power-actuated guide roll axially with respect to the direction of longitudinal movement of the work-piece, said last named means being constructed and arranged to move said guide roll toward and away from the axis of said work-piece.



2,040,478
GAS CUTTING MACHINE
John C. Glaum, Jr., and Fred Stoneberg, Chicago, Ill.
Application December 12, 1934, Serial No. 757,237
10 Claims. (Cl. 266—23)

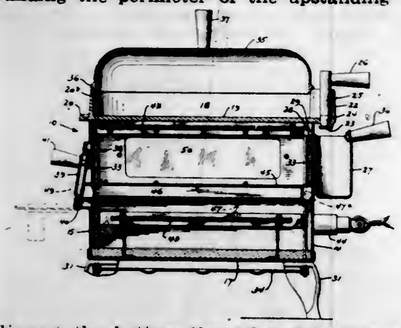


1. In a gas cutting apparatus, a carriage, a torch support, a torch slidable through said support, means for clamping said torch in position on said support, said support comprising a base plate movable transversely to said carriage, an upright standard mounted on said plate to rotate about a vertical axis, and a supporting arm, slidably and rotatably mounted on said standard.

2,040,479
ELECTRIC TABLE STOVE
Harry V. Glore, Oakland, Calif.
Application March 28, 1933, Serial No. 663,126
8 Claims. (Cl. 219—35)

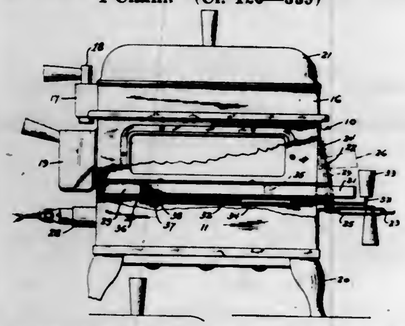
5. A cooking device including an oven, a skillet forming a top for said oven, heating elements

in the oven for providing heat both for the oven and the skillet, said skillet having an upstanding wall at its perimeter, a horizontal flange surrounding the perimeter of the upstanding wall



adjacent the bottom thereof and having a depression in its upper surface to trap liquids discharging over the top of the wall.

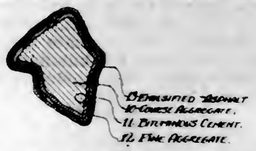
2,040,480
ELECTRIC TABLE STOVE
Harry V. Glore, Oakland, Calif.
Original application March 28, 1933, Serial No. 663,126. Divided and this application January 30, 1934, Serial No. 708,973
1 Claim. (Cl. 126—339)



In combination with an oven having a door opening and a tray slidable through said opening, means for sliding the tray outwardly comprising a rod disposed parallel to the tray in the oven and mounted for sliding and turning movement and having an end extending through the oven wall provided with a handle, and means engageable with the tray to withdraw it from the oven, a ferrule connected with said withdrawing means and mounted on said rod, there being a connection between said rod and ferrule to permit rotation to prevent longitudinal movement of said rod with respect to said ferrule, said handle being positioned to engage the forward end of the tray upon turning movement of the rod to push the tray into the oven.

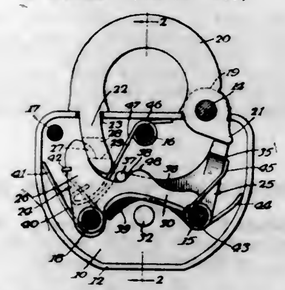
2,040,481
BITUMINOUS PAVING COMPOSITION AND PROCESS OF MAKING THE SAME
Richard M. Grower, Arlington, Mass., assignor to Samuel J. Tomasello, Boston, Mass.
Application September 4, 1935, Serial No. 39,114
3 Claims. (Cl. 106—31)

1. A bituminous paving composition comprising a base of coarse aggregate particles, and coated successively with a layer of bituminous



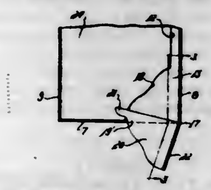
cementing material, a layer of fine aggregate particles, and a surface layer of asphalt emulsion.

2,040,482
PADLOCK
Andrew T. Hagerty, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Application March 11, 1935, Serial No. 10,354
6 Claims. (Cl. 70—105)



1. In a padlock, a casing, a shackle hinged to the casing, and having a heel and a nose, a bent lever within the casing having a load arm bearing a hook for engagement with the nose of the shackle to lock it, and a power arm, a second bent lever having a load arm for engagement with the heel of the shackle to lock it, and a power arm, and cooperating means on the power arms of the levers to prevent the second lever from locking the shackle until the first lever has locked the shackle.

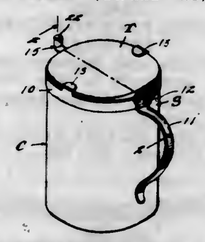
2,040,483
CONTAINER
Samuel D. Harris, Detroit, Mich.
Application August 25, 1934, Serial No. 741,416
1 Claim. (Cl. 229—17)



A container having a pair of side walls extending angularly to each other and a cover portion extending angularly to one of said side walls; a portion cut from one of said side walls and swingable outwardly on the line of folding between said side wall and an adjacent wall; a portion severed from said cover and carried by said cut-away portion to provide therewith, when swung outwardly, a trough-shaped spout, said severed portion swinging outwardly through the opening formed at the original location of the cut-away portion; and a tongue extending inwardly from said severed portion at one edge

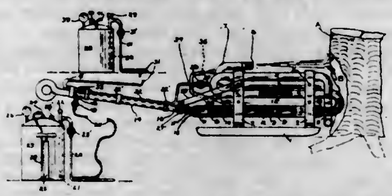
thereof and projecting beyond the edge of the opening upon outward swinging of said portions to provide a stop for limiting the outward swinging of said portions, one edge of said cover being cut-away for providing a space into which said tongue may snap upon the swinging of said portions inwardly to closing position.

2,040,484
CAN OPENER AND DISPENSING MEANS
Claude W. Hathaway, Wilmington, N. Y.
Application June 27, 1935, Serial No. 28,724
1 Claim. (Cl. 221—23)



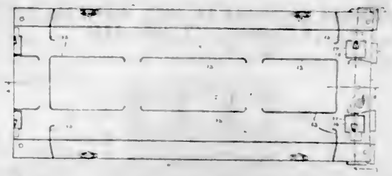
A device as set forth comprising a looped band having free ends, a pouring spout secured to the band opposite from the free ends, a hollow can piercing member integral with the spout, a reinforcing strip secured to the band and extending on opposite sides of the can piercing member, a gasket about the can piercing member and engaging against the inner side of the reinforcing member, an operating lever, a pair of spaced apart pivotal members secured to the lever and secured one to each end of the band and a pair of lugs carried by the band and engageable over the top of the can to hold the band against longitudinal movement in one direction with respect to the can.

2,040,485
APPARATUS FOR HEATING VAPOR, AND PROCESS OF BURNING STUMPS THEREBY
Jacob Jones, Woodinville, Wash., assignor of sixteen and one-third per cent to Harold P. Peterson, sixteen and one-third per cent to Kenneth Irving, and sixteen and one-third per cent to Jack H. Utt
Application January 23, 1935, Serial No. 2,998
6 Claims. (Cl. 110—21)



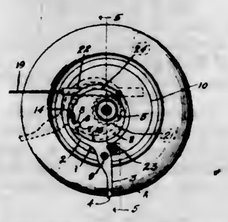
1. Apparatus for burning stumps and the like, means for generating superheated steam, means for igniting a portion of the stump to be burned and for initially heating said steam generating means, means for directing a blast of superheated steam onto the ignited portion of the stump and to aspirate air therewith to cause combustion of the stump, the steam generating means being so constructed that it may be positioned adjacent the burning portion of the stump so that the heat of said burning portion will serve as a source of heat for said generating means.

2,040,486
SHOCK REDUCING CAR STRUCTURE
William Platts Kellett, New York, N. Y.
Application March 29, 1935, Serial No. 13,615
7 Claims. (Cl. 105—392.5)



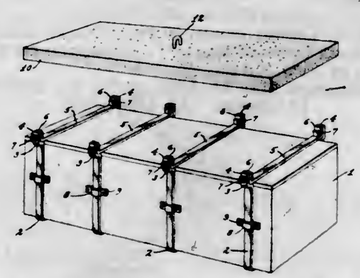
1. A car having a flat sectional deck the respective sections of which are disposed in transverse succession across the deck and relatively displaceable in opposition to frictional braking resistance under shock influence.

2,040,487
SAFETY DEVICE FOR VEHICLES
Otto W. Klawuhn, Rocky River, Ohio
Application February 7, 1935, Serial No. 5,504
9 Claims. (Cl. 188—5)



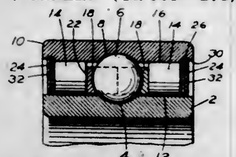
1. A safety device for automotive vehicles comprising ground-engaging members mounted for movement to and from a ground-engaging position, and rotatable cam means for moving said members from the ground-engaging position.

2,040,488
REENFORCING MEANS FOR CASKET BOXES
John A. Kruly, Los Angeles, Calif., assignor to Felicitas Kruly, Los Angeles, Calif.
Application October 14, 1935, Serial No. 44,891
5 Claims. (Cl. 72—7)



1. In combination with a casket box, a series of fabricated bands transversely surrounding said casket box, earth supporting means placed on top of said fabricated bands, means on said bands for transversely retaining said earth supporting means.

2,040,489
ANTIFRICTION BEARING
Samuel Robert Large, Bristol, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 14, 1933, Serial No. 702,272
7 Claims. (Cl. 308—174)



1. In an antifriction bearing, an inner race ring, an outer race ring, mating grooves in the rings, a row of balls engaging the grooves, co-operating raceways at each side of the row of balls, rows of rollers engaging said co-operating raceways, a separator having pockets for the balls and lateral guide surfaces for the rollers, and end rings carried by one of the race rings to engage the outer ends of the rollers; substantially as described.

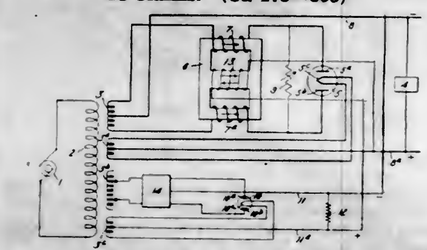
2,040,490
AGE RETARDER
Werner M. Lauter, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 18, 1931, Serial No. 563,663
6 Claims. (Cl. 18—50)

5. A method of preserving rubber which comprises incorporating therein a compound from the group consisting of the mono primary amino fluorenones and the di-primary amino fluorenones.

2,040,491
RUBBER COMPOSITION AND METHOD OF PRESERVING RUBBER
Werner M. Lauter, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 13, 1933, Serial No. 680,257
8 Claims. (Cl. 18—50)

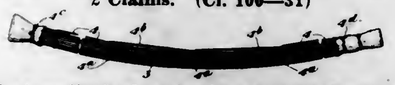
2. A method of preserving rubber which comprises subjecting it to vulcanization in the presence of a tertiary N-alkyl aryl naphthylamine.

2,040,492
RECTIFIER REGULATOR
Frank G. Logan, Mount Vernon, N. Y., assignor to Ward Leonard Electric Company, a corporation of New York
Application May 31, 1933, Serial No. 673,683
14 Claims. (Cl. 175—363)



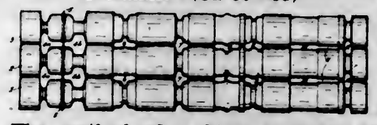
7. The combination of an alternating current supply circuit, a consumption circuit, a rectifier connected between said circuits, a reactive device having windings connected in series between the supply circuit and the rectifier circuit, said windings producing a uni-directional flux in a portion of said device, a controlling winding on said portion of the device for affecting said flux, and means affected by change in voltage of the consumption circuit for causing the flux due to said controlling winding to be in a cumulative direction with the flux due to said windings or in an opposing direction according to change of voltage of said consumption circuit.

2,040,493
METHOD FOR PACKAGING STRAIGHT ARTICLES
Samuel Mardigian and Michele Rizzolla, Cleveland, Ohio, assignors to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application May 21, 1934, Serial No. 726,828
2 Claims. (Cl. 100—31)



1. A method of packaging straight flexible articles, including arranging such articles in a curved group, applying a tie wire to this curved group in a series of half-hitches with interconnecting portions extending straight from one half-hitch to another on the inner curved side of the group, and then straightening the group so that the interconnecting portions of the tie wire tauten and pull the half-hitches tightly around the group.

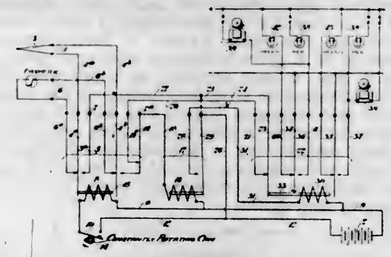
2,040,494
METHOD OF REWORKING RAILS
Carl Johnston Miller, Elyria, Ohio, assignor to Steel & Tubes, Inc., Cleveland, Ohio, a corporation of Ohio
Application July 12, 1934, Serial No. 734,793
4 Claims. (Cl. 80—65)



1. The method of making compact articles from steel railway rails which includes the steps of slitting a heated T rail lengthwise of the web between head and base and simultaneously narrowing and thickening the flange portion of the base section without substantially decreasing the height of the web portion attached thereto, passing the thus formed head and base sections in succession thru the same roll passes, and rolling the said sections into compact articles of substantially the same cross-sectional shape and size and substantially free from defects such as cold laps, by steps including the formation of a groove opposite the web portion thereof and coincident decrease in height of the web portion and increase in the radii of curvature between the surfaces thereof and the adjacent metal.

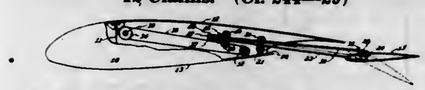
2,040,495
THERMOCOUPLE TESTING APPARATUS
John T. Nichols, Pittsburgh, Pa.
Application July 1, 1931, Serial No. 548,238
5 Claims. (Cl. 177—311)

3. The combination of a thermocouple, a pyrometer, a circuit for interconnecting said thermocouple and said pyrometer, a relay including an operating coil, a source of electric energy, a circuit for connecting said thermocouple and said coil in series with said source, a circuit for connecting said coil in series with said source, circuit



making-and-breaking contacts for each of said circuits, and means for operating said contacts so that the first and second named circuits are respectively broken and made and so that the third named circuit is subsequently broken.

2,040,496
CONTROL MECHANISM FOR AUXILIARY WING FLAPS
Robert R. Osborn, Kenmore, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc., a corporation of New York
Application June 29, 1934, Serial No. 733,008
12 Claims. (Cl. 244—29)



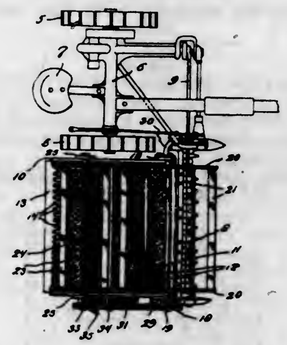
1. In an aircraft wing having a recess in the lower rearward part thereof, a rod guided for rearward and downward movement relative to said wing and passing through the surface of said recess, an auxiliary airfoil pivotally connected to said rod for varying angles of incidence relative to the wing chord, and unitary means progressively operable to move said airfoil from said recess to a rearward position and then to tilt said airfoil to an increased angle of incidence relative to said wing after said airfoil has reached its extreme rearward position.

2,040,497
CONSTRUCTION OF SHOWCASES AND THE LIKE
George W. Porter, Ventura, Calif.
Application November 21, 1933, Serial No. 699,075
1 Claim. (Cl. 312—140)



A securing means, for the glass panels of a show case or the like wherein a top horizontal panel is supported at its margin on the upper edges of front and side vertical panels, comprising a metallic strip folded upon itself longitudinally and intermediate its longitudinal edges, the portion of said strip adjacent its fold being directed downwardly to form a vertical flange of double thickness adapted to engage behind the upper edge portions of the vertical panels, one free longitudinal edge portion of the strip being directed downwardly to form another vertical flange adapted to engage the outer face of the upper edge portions of the vertical panels, the other free longitudinal edge portion of the strip being directed upwardly to form still another vertical flange adapted to engage the side and front edges of said horizontal panel, and the portion of said strip between the first-named flange and the two last-mentioned flanges being horizontal and adapted to flatly engage the upper edges of the vertical panels and to have the horizontal panel rest thereon.

2,040,498
SEED GATHERING DEVICE
Walter B. Putnam, Cherryville, N. C.
Application November 27, 1934, Serial No. 755,052
6 Claims. (Cl. 56—207)

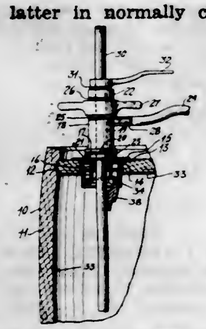


1. A seed gathering attachment for mowing machines comprising a seed collecting pan, a concave screen covering the top of said pan at its forward portion and arranged to receive the cut grain and permit the seed shed therefrom to pass therethrough into said pan, a rotary beating reel carried by said pan and arranged above said concave screen for beating the cut grain backward over the surface of said concave screen, a further rearwardly inclined screen covering the top of the seed collecting pan at its rear portion, a second smaller beating reel carried by the pan and arranged above the last-named screen for receiving the cut grain from the first-named reel and beating the same rearwardly across the surface of the second-named screen and then discharging the stover onto the ground at the rear of the seed collecting pan, said second-named screen being removable from the seed collecting pan and the first named screen and having openings to permit seed to pass therethrough into the seed collecting pan as it is detached by the second-named reel, and means for driving said reels upon forward travel of the device with the mowing machine.

2,040,499
BUSH
Charles Greif Raible, Shaker Heights, Ohio, assignor to The Fanner Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application May 7, 1934, Serial No. 724,342
5 Claims. (Cl. 27—99)

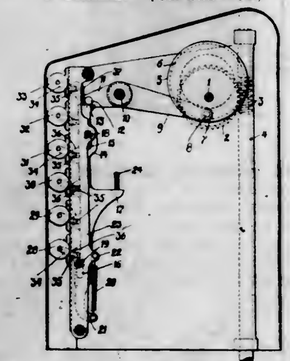
1. A tap or bung bush comprising a body portion adapted for insertion in a barrel or keg and having an opening therethrough, a movable valve member mounted on said body portion and adapted to close said opening, means operatively connected to said movable valve member for main-

taining the latter in normally closed position,



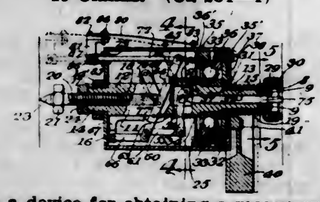
and means for enclosing said last mentioned means.

2,040,500
OPERATING MEANS FOR COUNTERS
Herman F. Sadgebury and William M. Carroll, Dayton, Ohio, assignors, by mesne assignments, to Central United National Bank, Cleveland, Ohio, as trustee
Application April 14, 1932, Serial No. 605,205
9 Claims. (Cl. 235—91)



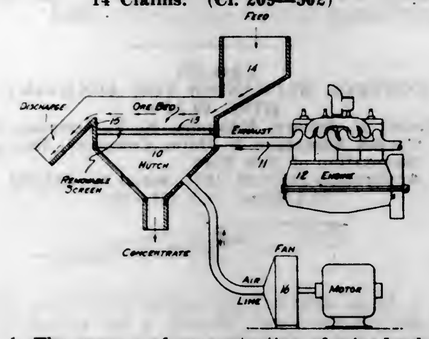
1. In a counting mechanism, a plurality of counters, a plurality of keys differing the one from the other and corresponding in number to the number of counters, a plurality of slides, there being one slide for each counter, means connecting each slide to its corresponding counter, and means carried by said keys to prevent the actuation of all of said slides except the slide corresponding to the key inserted.

2,040,501
MOVEMENT MEASURING RECORDER
Frank Sawford, Vancouver, British Columbia, Canada
Application May 5, 1934, Serial No. 724,190
19 Claims. (Cl. 234—1)



6. In a device for obtaining a measurement of the movement toward and away from one another of two normally relatively fixed supports, in combination, a body adapted to be held in fixed relation to one of said supports, an arm, a plunger carried by said body and adapted to engage the other of said supports, mechanism operatively associated with said body, plunger and arm so that a given movement of said plunger relative to said body causes a predetermined movement of a given point on said arm along a straight line, means adapted to cooperate with said arm to provide a representation of the movement of said supports toward and away from one another including a drum rotatably carried by said body and having a face positioned adjacent said arm, and means preventing rotation of said drum about its axis while said body is rotated relative to said drum.

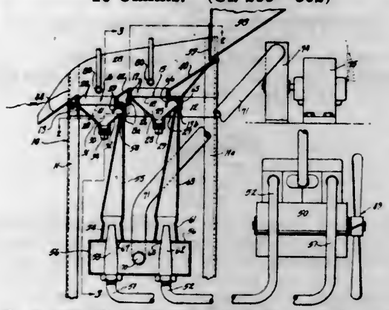
2,040,502
MATERIAL SEPARATION
Walter E. Saxe, Altadena, Calif.
Application January 11, 1934, Serial No. 706,163
14 Claims. (Cl. 209—502)



1. The process of concentration of mixed substances that includes subjecting the mixture to impacts from successive charges of heated gas under pressure, and to alternating relative suctions produced by rapid cooling of the gaseous charges

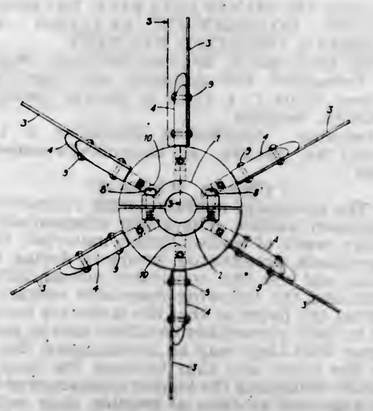
---

2,040,503
MATERIAL SEPARATOR
Walter E. Saxe, Altadena, Calif.
Application January 27, 1934, Serial No. 708,611
16 Claims. (Cl. 209—502)



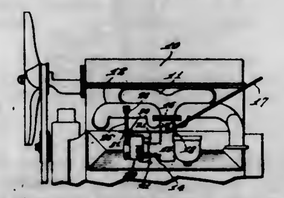
1. A mixed material separator comprising an enclosure one side of which is formed by a screen adapted to receive and carry the material on its outer face, an internal combustion engine, and a conduit conveying the successive pulsations of hot exhaust gas from a cylinder of the engine into the enclosure.

2,040,504
FAN ATTACHMENT
Samee Siegel, Lynchburg, Va., assignor of one-third to Jack Feldman and one-third to Frank Feldman, Lynchburg, Va.
Application September 9, 1935, Serial No. 39,741
4 Claims. (Cl. 230—261)



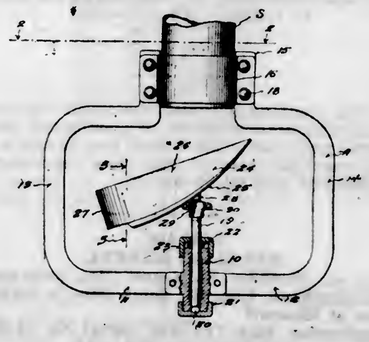
1. A fan having a collar comprising a plurality of sections adapted to fit around a drive shaft, and a plurality of fan blades for said collar, means for connecting said sections together and securely to said drive shaft, a holder for each blade having a pin adapted to fit into an aperture in said collar, said pins each having a substantially continuous recessed portion, and a set screw for securing each of said pins at said recessed portion to said collar.

2,040,505
AUTOMATIC CHOKE
Glen R. Sisson, Pendleton, Ind.
Application January 20, 1930, Serial No. 422,014
18 Claims. (Cl. 123—179)



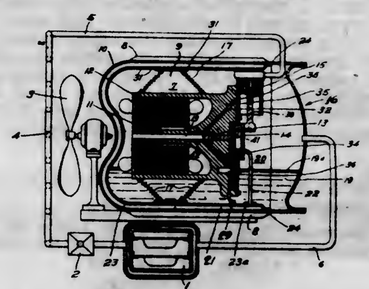
1. An attachment for the carburetor of an internal combustion engine, comprising a body adapted to be mounted at the air inlet opening of the carburetor, said body being provided with two air passages both of which communicate with the carburetor air inlet opening when the attachment is in place, a valve in each of said passages, a thermostat supported from said body in position to be responsive to engine temperature when the attachment is in place, said thermostat being operatively connected to one of said valves to control its position in accordance with engine temperature, the other of said valves being biased toward open position, electro-magnetic means for moving said last named valve toward closed position, and a second thermostat for limiting opening movement of said last named valve.

2,040,506
ENSILAGE DISTRIBUTOR
Henry A. Teisberg, Cottage Grove, Wis.
Application February 6, 1935, Serial No. 5,212
2 Claims. (Cl. 302—60)



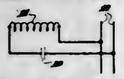
1. The combination with the discharge end of an elevator pipe, including a bracket secured to and depending from said pipe, a rotatable shaft carried by the bracket and axially disposed relative to the pipe, a rotatable member connected with the shaft and located below the pipe including an arcuate lower wall and a pitched blade, and means for changing the inclination of the rotatable member on the shaft.

2,040,507
PUMP FOR REFRIGERATION APPARATUS
Matson C. Terry, Detroit, Mich., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application May 2, 1931, Serial No. 534,536
Renewed May 9, 1935
12 Claims. (Cl. 230—206)



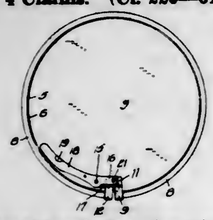
1. In a mechanical refrigerating system, means providing a refrigerant circuit including a motor-compressor unit disposed in a hermetically sealed casing, means providing a circulatory lubricating system for the moving parts of the unit including means affording contact of lubricant and the unit for cooling the latter, and means for cooling the lubricant including a chamber provided by inner and outer walls between which lubricant is circulated in contact with said walls by said circulatory system, said outer wall constituting a portion of said casing and said inner wall constituting a stationary member located within the casing and spaced from said casing for a substantial portion of its extent, whereby heat is transmitted from lubricant in the chamber through the outer wall thereof.

2,040,508
METHOD OF OPERATING SMALL OUTPUT ALTERNATING CURRENT MOTORS AND CIRCUIT ARRANGEMENTS THEREFOR
Milton E. Thompson, Ridgway, Pa.
Application November 15, 1933, Serial No. 698,042
11 Claims. (Cl. 172—233)



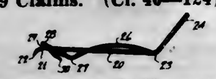
3. The combination with the single input circuit of a synchronous motor, of a condenser placed in series with said input circuit and having a capacity reactance greater than twice the inductive reactance of said input circuit.

2,040,509
METALLIC BARREL
Henry G. Woehler, St. Louis, Mo., assignor to Niedringhaus, Inc., St. Louis, Mo., a corporation of Missouri
Application May 13, 1935, Serial No. 21,203
4 Claims. (Cl. 220—61)



1. In a barrel head clamping ring, a split ring member, semi-circular in cross-section, a lever, a cam formed at one corner of the lever, members projecting inwardly from the ends of the split ring and provided with offset inner sections, said lever being pivoted to the offset section of one of said members, and a link pivotally connected to the offset section of the other of said members and to said lever so that when the lever is in closed position the offset section to which the link is pivoted will overlie the other offset section behind its respective inwardly projecting member to draw the free end of the split ring to which the link is connected into circumferential alignment with the other end of the ring.

2,040,510
FASTENING DEVICE
Raymond E. Beegle, East St. Louis, Ill.
Application November 24, 1934, Serial No. 754,573
9 Claims. (Cl. 40—124)

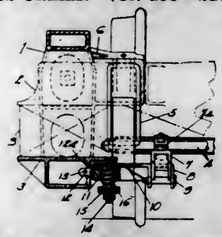


1. A fastening device of bifurcate construction and consisting of a single length of wire shaped into an elongate loop, one of the legs of which constitutes a substantially rectilinear body element or shank, a piercing arm provided with a piercing point and projecting at one end of the device, the shank being angulately bent upwardly from the plane of the body portion to the bight of the loop to form a gripping portion disposed substantially in a plane transverse to the legs of the device, the opposite leg being angulately connected to the gripping portion but bowed upwardly of the plane of the shank, thence downwardly to a point below the shank, to constitute an angulate fulcrum near the piercing end of the fastener, the last said leg being thence bent upwardly and into a plane guard portion transversely overlying the piercing arm at an acute angle, and terminating in a rearwardly presented, pointed end.

2,040,511
PROCESS OF MANUFACTURING RECONSTITUTED COMPRESSED LEATHER AND PRODUCT OBTAINED THEREBY
Charles Bleyenheuft, Brussels, Belgium, assignor to Compagnie Internationale des Cuirs Comprimes Attila C. I. C. C. A. Societe Anonyme, Brussels, Belgium
No Drawing. Application December 3, 1934, Serial No. 755,849. In Belgium December 6, 1933
7 Claims. (Cl. 92—3)

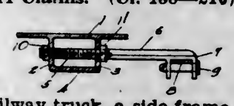
1. The process of manufacturing reconstituted compressed leather, comprising substantially in mixture, waste of leather, textile materials, binding products, preservation products, dyeing substances and the like, consisting substantially in performing the following successive operations: crushing the fibres so that the latter are brought back to their elementary condition and in such a manner that they may be intermingled the one with the other and thus increase the final resistance; detanning the leather substances so that they approach as close as possible their natural condition; addition of ingredients and of binding substances so as to constitute the required compound; addition to the mass of one or more preservation products; drying, pressing and wetting out; colouring and finishing.

2,040,512
BRAKE BEAM SUPPORT
Edwin G. Busse, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application July 13, 1932, Serial No. 622,184
12 Claims. (Cl. 188—210)



1. In a railway truck, a side frame element, a brake beam guard, guide or support member spaced laterally a substantial distance from said element, and means yieldingly supporting said member on said element.

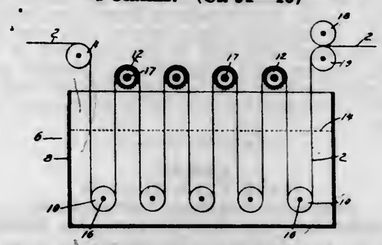
2,040,513
BRAKE BEAM SUPPORT
Edwin G. Busse, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application July 13, 1932, Serial No. 622,185
11 Claims. (Cl. 188—210)



5. In a railway truck, a side frame including a hollow lower member with a pair of walls having

spaced apertures, and a brake beam guard, guide or support device projecting sidewardly from said lower member and through said apertures and having a portion extending into the interior of said member and secured thereto.

2,040,514
SATURATING KETTLE
Joseph Francis Dillon, Philadelphia, Pa., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application August 26, 1933. Serial No. 686,950
4 Claims. (Cl. 91—46)



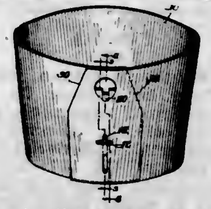
4. In apparatus for saturating absorbent sheet material, the combination comprising a tank containing liquid saturant, means within the tank below the surface of the saturating material for guiding the sheet material therethrough and a roll provided with spaced raised portions on the surface thereof, said roll being positioned so that sheet material to be saturated passes first over said roll and then into said saturant and under the guiding means positioned below the surface of the saturant, said roll preventing weaving and sideslipping of the sheet material as it passes into and through the saturant.

2,040,515
TREATMENT OF STEEL
Morris G. Fowler and Lyle M. Barker, Clarkdale, Ariz., assignors, by mesne assignments, to Phelps Dodge Corporation, New York, N. Y., a corporation of New York
No Drawing. Application October 6, 1932. Serial No. 636,577
15 Claims. (Cl. 148—12)

8. The method of treating copper steel which comprises heating the steel to a temperature not higher than about 1100° C. and not lower than about 1050° C., and subjecting the resulting heated product to a mechanical shaping operation, thereby to form a copper steel shape substantially free from surface checks.

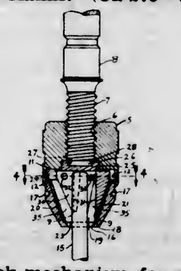
2,040,516
LINER
George H. Graham, Chicago, and Louis Robertson, Evanston, Ill., assignors to Carpenter-Hiatt Sales Co., Chicago, Ill., a corporation of Colorado
Application April 11, 1934, Serial No. 720,024
4 Claims. (Cl. 217—3)

1. A liner for baskets or the like adapted to hold fruit or vegetables on a facing form before the basket is placed thereon comprising a strip blank connected at its ends to form an endless band by a joinder on one vertical half of the liner and a joinder on the other vertical half of the liner, one of said joinders being stronger than the other in resistance to expansion of the liner, said liner having sufficient strength to dependably hold itself together when furnishing the sole lateral support for a column of fruit or vegetables, and being of sufficiently weak stock to yield to the point of rupturing or tearing upon normal



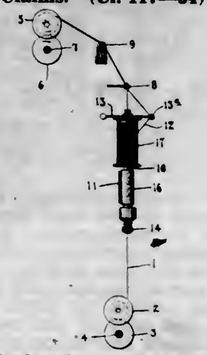
jolting down in the basket during packing if necessary to conform to the basket.

2,040,517
CHUCK MECHANISM
Herbert E. Kopsch, Detroit, Mich., assignor to Brown-McLaren Manufacturing Company, Detroit, Mich., a corporation
Application October 22, 1934, Serial No. 749,332
13 Claims. (Cl. 279—58)



3. In a chuck mechanism for gripping a tool, the combination of a guide member provided with a plurality of inclined wall portions connected together to form corners, means for supporting said guide member on the outside surfaces of said corner portions, jaw members slidably mounted adjacent the inside surfaces of the corner portions of said guide member, and means for actuating said jaw members.

2,040,518
YARN AND METHOD OF MAKING THE SAME
Nathan Lewis, Brooklyn, and Herman Feldman, New York, N. Y.
Application April 18, 1934, Serial No. 721,140
9 Claims. (Cl. 117—34)



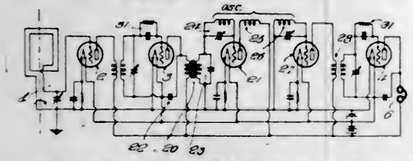
1. A method of making a yarn which consists in winding a loosely twisted yarn around a highly

twisted yarn in a continuous helical winding so as to completely encase the same and then degumming the combined yarns.

2,040,519
YARN
James Louis Lohrke, Westtown, and Henry H. Perry, Bryn Mawr, Pa.
No Drawing. Original application February 18, 1930, Serial No. 429,238. Divided and this application October 17, 1932, Serial No. 638,174
4 Claims. (Cl. 117—52)

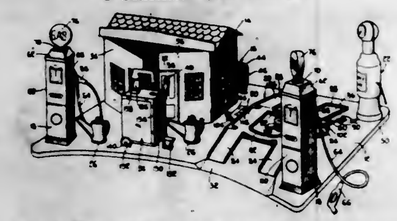
1. A yarn consisting solely of a multiplicity of relatively short or staple length artificial fibers all attenuated throughout their length substantially to their breaking point and spun together.

2,040,520
RADIO DIRECTION FINDER
Percival D. Lowell, Chevy Chase, Md., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application June 10, 1933, Serial No. 675,320
7 Claims. (Cl. 250—11)



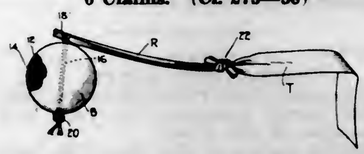
1. In a directional receiving system, a coil antenna rotatable about a vertical axis for intercepting signal energy transmitted from different directions, a signal receiving circuit connected with said coil antenna, a signal observing circuit and a plurality of non-linear characteristic rectifier circuits, each tuned to the frequency of the signal energy, interposed between said signal receiving circuit and said signal observing circuit for distorting the received signaling energy and sharpening the maximum signal energy for enabling observations of directions to be taken upon the maximum received signal energy.

2,040,521
ELECTRICALLY LIGHTED GASOLINE STATION TOY
Louis Marx, New York, N. Y.
Application January 23, 1934, Serial No. 707,901
8 Claims. (Cl. 46—39)



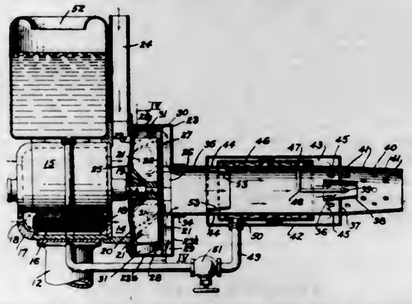
1. In a toy gasoline station, a pump comprising an upright hollow body member made of sheet metal, a flexible rubber hose simulating member leading therefrom, a simulated nozzle at the end of the hose member, and a keyhole type slot in one of the side walls of the body for receiving and holding the nozzle member when not in use, said keyhole slot being so dimensioned as to freely receive the nozzle at the enlarged part of the slot, but to hold the nozzle at the narrow part of the slot.

2,040,522
TOY
Louis Marx, New York, N. Y.
Application April 19, 1934, Serial No. 721,282
6 Claims. (Cl. 273—58)



1. A toy comprising a soft sponge rubber ball, a short elastic strand secured thereto, and a short length of inelastic tape having one end free and its other end tied to the free end of the elastic strand, said strand being adapted when tensioned between the ball and the tape and released to propel the toy for a substantial distance.

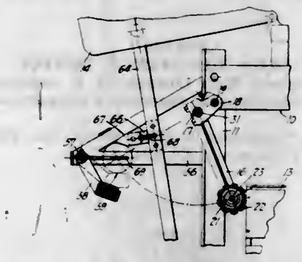
2,040,523
FLUID FUEL BURNER
Edward A. Morrison, Fairfax, Calif.
Application June 25, 1934, Serial No. 732,220
7 Claims. (Cl. 158—76)



1. A burner for liquid fuel including a tubular member for passage of air therethrough and having an air inlet at one end and an air outlet at the opposite end, a reservoir for liquid fuel closely disposed circumferentially of said tubular member, said reservoir being elongated in cross-section along the axis of the tubular member, a casing enclosing and spaced from the reservoir providing an air conduit for passage of air about said fuel reservoir, the wall of said tubular member having longitudinally spaced openings into said conduit, adjacent respective end portions of said conduit, providing an air intake opening and an air outlet opening between the conduit and the interior of the tubular member, a discharge nozzle, and a fuel feed conduit connecting the nozzle with the reservoir, said nozzle being disposed adjacent said outlet end of the tubular member and forwardly relative to the said openings from the tubular member into the said air conduit.

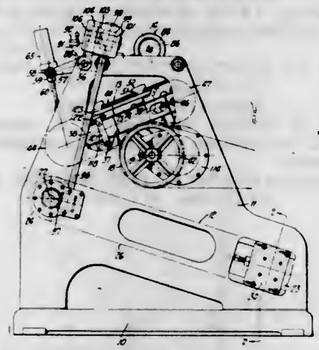
2,040,524
BOX MARKING APPLIANCE
Harold J. Mumma, Glendale, and Zenas Leonard, Los Angeles, Calif., assignors to Ahlburg Company, Los Angeles, Calif., a corporation of California
Application November 12, 1934, Serial No. 752,628
4 Claims. (Cl. 101—35)

1. In a box marking appliance, for use with a lidding machine having members reciprocating cyclically for each lidding operation, an arm pivotally carried by the machine, a marking stamp carried by the free end of the arm, spring means for biasing the arm in a direction to cause the same to swing towards an out-of-the-way position with respect to a box being operated upon by the machine, an inking pad, arms to which the pad is secured, means serving to support said last mentioned arms for pivotal movement about an axis parallel to the axis of pivotal movement of said first mentioned arm, means actuated during



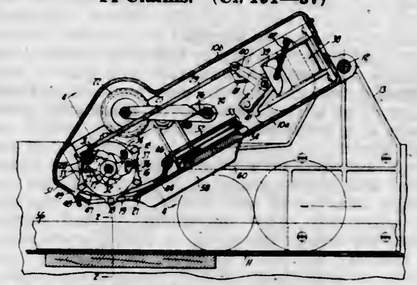
the initial part of the cycle of operation of the machine for actuating said last mentioned arms to swing the inking pad into inking contact with said marking stamp, and means operated during a subsequent part of the cycle of operation of the machine for swinging said first mentioned arm to impact the stamp against the box.

2,040,525
FRUIT MARKING MACHINE
Harold J. Mumma, Glendale, and Frank Ahlburg, Los Angeles, Calif., assignors to Ahlburg Company, Los Angeles, Calif., a corporation of California
Application July 26, 1935, Serial No. 33,232
14 Claims. (Cl. 101—37)



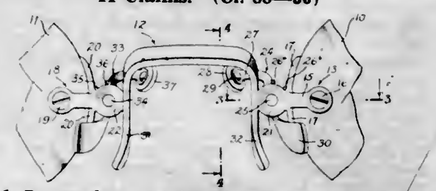
1. In a fruit marking machine, an endless conveyor having its upper run adapted to carry articles of fruit in spaced relationship one after the other and being inclined upwardly from a position at which the fruit is delivered to a position at which the fruit is marked, fruit marking means overlying the conveyor, and means for simultaneously driving the conveyor and the fruit marking means, said fruit marking means including an endless chain carrying spaced marking dies, spaced sprockets over which the chain engages, a frame pivoted for vertical movement relative to the conveyor to which the sprockets are journaled, and means forming travelling fruit engaging surfaces extending alongside said chain and moving at the same rate of speed as the chain.

2,040,526
FRUIT MARKING APPLIANCE
Harold J. Mumma, Glendale, Calif.
Application September 3, 1935, Serial No. 38,987
14 Claims. (Cl. 101—37)



1. In a fruit marking appliance, a fruit conveyor, a casing movably supported over the conveyor whereby fruit moved by the conveyor is caused to roll under the casing to contact its lower wall and thereby elevate the same, fruit marking means carried by said casing, said fruit marking means including a rotatable member carrying a plurality of marking dies, actuating means for moving said dies successively into marking position with respect to fruit passed beneath the casing, and trip means carried by the casing and adapted to be engaged by fruit passing beneath the casing, for initiating operation of said actuating means.

2,040,527
EYEGLASS CONSTRUCTION
George E. Nerney, Attleboro, Mass., assignor to Bay State Optical Company, Attleboro, Mass., a corporation of Maine
Application March 20, 1933, Serial No. 661,718
11 Claims. (Cl. 88—50)

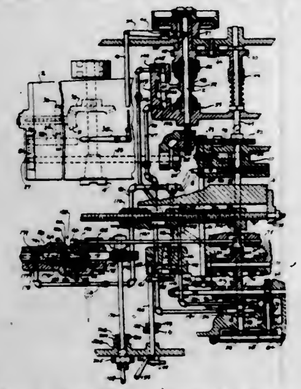


1. In eyeglass construction, in combination, a bridge having a pair of depending end portions extending downwardly to engage the nose of the wearer, a pair of lens-securing parts connected to said bridge, said depending portions being substantially in the plane of the lenses held in said securing parts, a pair of lever elements pivotally connected to said parts and having one end extending forwardly from the plane of said lenses and the other end extending upwardly, inwardly, and rearwardly to a point spaced above the ends of said depending portions, the pivotal axes of said elements being substantially at right angles to the plane of said lenses, and a pair of nose engaging members connected to said last-mentioned ends of said elements.

2,040,528
MILLING MACHINE ORGANIZATION
Fred A. Parsons, Milwaukee, Wis., assignor to Kearney & Trecker Corporation, West Allis, Wis.
Application January 19, 1931, Serial No. 509,700
15 Claims. (Cl. 90—21)

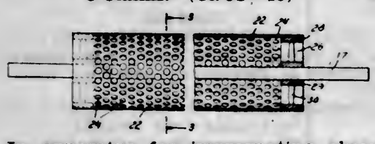
9. In a milling machine, the combination of a base, a work support movably supported from

said base, a tool spindle disposed at a level above said work support and axially transverse to the path of movement thereof, means for supporting said spindle including a member uprising from said base adjacent a longitudinal edge of said work support, and a spindle carrier adjustably supported from said member and adapted to support said spindle, a power train for rotating said spindle including a power source and a main clutch, a transmission for movement of said work support at a feed rate driven from said power train at a point between said power source and said clutch, a transmission for movement of said work support at a rapid traverse rate driven from said power train at a point between said power source and said clutch, a device shiftable to selectively cause movement of said support from the one or the other of said transmissions, a reverser shiftable to cause actuation of said work support from one of said transmissions



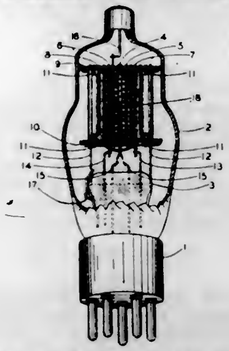
selectively in one or the other direction, primary control means situated adjacent the other longitudinal edge of said work support for dependently operating said device and said main clutch, primary control means also situated adjacent such edge of said work support for controlling said reverser separate from the above mentioned control means, secondary control means including fluid operated shifters responsive to said primary control means and adapted to actuate said main clutch, said device, and said reverser means, a pump driven from said power train at a point between said power source and said main clutch and adapted to supply fluid to said secondary control means, and means adapted to automatically operate said primary control means in response to movements of said work support.

2,040,529
APPARATUS FOR SATURATING ABSORBENT SHEET MATERIAL
John Wesley Pearl, Yeadon, Pa., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application August 26, 1933, Serial No. 686,947
3 Claims. (Cl. 91—46)



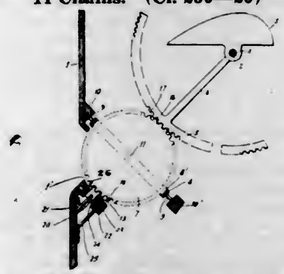
3. In apparatus for impregnating absorbent sheet material with saturant, the combination comprising a tank for holding the saturant, guiding means in the tank positioned below the surface of the saturant for guiding the sheet material in its passage through the saturant, a roll positioned with respect to said tank and the guiding means therein so that said sheet material passes successively over said roll and under said guiding means, said roll having an interrupted surface to prevent weaving and sideslipping of the sheet as it passes into and through the saturant.

2,040,530
ELECTRON DISCHARGE DEVICE
Arnold L. Pipper, West Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 4, 1933, Serial No. 696,606
6 Claims. (Cl. 250—27.5)



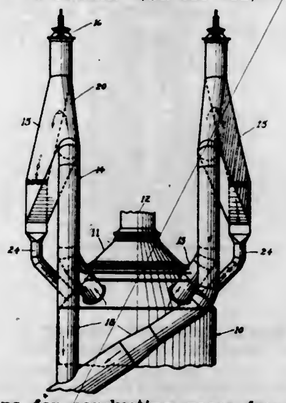
6. An electron discharge device comprising an evacuated envelope enclosing an oxide coated thermionic cathode, an anode, and a grid electrode interposed between said cathode and anode and having a core of a metal of the iron class with a surface containing tin.

2,040,531
RECEIVER CONTROL
Morris A. Rabkin, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 17, 1930, Serial No. 489,274
11 Claims. (Cl. 250—20)



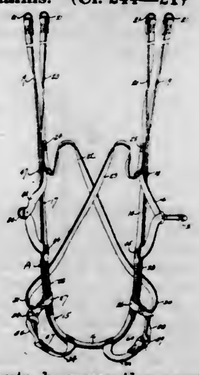
9. In combination in an electrical control means, a tuning device, an amplifier control means, an adjusting means mounted for rotation about either one of a pair of normal axes which intersect at a point within the adjusting means, and means including speed reducing gearing in constant engagement with said adjusting means serving to mechanically connect it with said tuning device and amplifier control means simultaneously.

2,040,532
BLAST FURNACE CONSTRUCTION
Owen R. Rice, Chicago, Ill., assignor to Freyn Engineering Company, Chicago, Ill., a corporation of Maine
Application November 3, 1934, Serial No. 751,275
8 Claims. (Cl. 266—31)



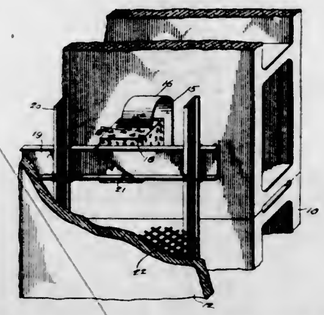
1. Means for conducting gases from a blast furnace including an uptake extending vertically from the top of the furnace and communicating with the interior thereof, a downtake connecting therewith and receiving the gases from the uptake, and a deflecting wall located above said connection and extending over the uptake for contacting solid material projected from the uptake to divert the same out of the influence of the gas stream entering the downtake.

2,040,533
PARACHUTE HARNESS
Harold G. Rogers, Buffalo, N. Y., assignor to Irving Air Chute Company, Inc., Buffalo, N. Y., a corporation
Application February 20, 1932, Serial No. 594,305
18 Claims. (Cl. 244—21)



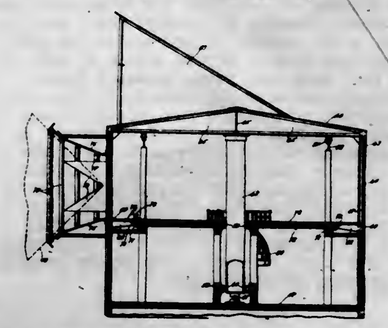
1. In a parachute harness the combination of a U-shaped sling in which a rider sits as in a swing during descent, means on the lower portion of the sling to engage the lower part of the body of a wearer during descent in a releasable manner, back straps connected at their upper ends in fixed manner upon the riser portions of the sling, breast straps connected upon the riser portions of the sling, means to releasably connect the breast straps together at the front of the wearer, and adapters slidable longitudinally along the riser portions and breast and back straps for simultaneous adjustment of the effective lengths of the back and breast straps respectively associated therewith.

2,040,534
SOUNDPROOF CONSTRUCTION
Gabriel B. Roth, Philadelphia, Pa.
Application October 20, 1932, Serial No. 638,804
Renewed October 11, 1935
8 Claims. (Cl. 72—16)



1. In a sound-proof wall construction, the combination of outer and inner wall elements and a plurality of spaced vibration dampening devices supporting the inner from the outer wall, each vibration dampening device including a plurality of resilient members arranged in series, said resilient members having different vibration moments and including a non-metallic member engaging said inner wall.

2,040,535
DIRIGIBLE PASSENGER STATION
Henri Rusch, St. Louis, Mo.
Application August 19, 1935, Serial No. 36,835
6 Claims. (Cl. 244—2)



1. In a mooring station for dirigible airships of the lighter-than-air type, a rigid building super-structure having a rigid floor, a rigid platform extending outwardly from and spaced below said floor, a mooring turret rotatively supported by said platform, an annular floor member supported by said turret and surrounding said rigid floor, an enclosing wall supported by said turret and cooperating with said floor and said floor member to form a room, a rigid roof for said room, means for holding the nose of an airship of the lighter-than-air type in fixed relation to said turret, and means forming a passageway from

said turret to said airship for the movement of passengers leaving the turret to board the airship, and vice versa.

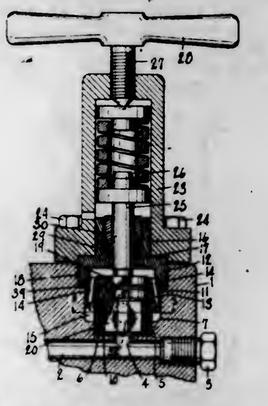
2,040,536
CASTRATION CLAMP
Noah E. Schoonover, Fort Rice, N. Dak., assignor of forty-five per cent to Fred Westerman, Fort Rice, N. Dak.
Application October 5, 1934, Serial No. 747,051
1 Claim. (Cl. 128—306)



A clamp of the class described comprising a stationary jaw, a shank supporting the stationary jaw, plates carried by the stationary jaw and extending laterally thereof, a movable jaw having a shank slidably mounted between said plates, lever means engaging said movable jaw for moving said movable jaw in one direction longitudinally of the plates, spring means for automatically drawing the movable jaw to an open position when pressure is released from said lever means, a pin carried by said plates, an inclined guiding slot formed in said shank of said movable jaw, said slot being inclined toward the inner face of the shank from its bottom toward the top thereof whereby said shank of said adjustable jaw will be inclined outwardly at its bottom when said shank is in its lower position, and whereby said shank of said adjustable jaw will extend substantially parallel to the shank of the stationary jaw when the stationary jaw is in a closed position, a longitudinally extending arc-shaped slot formed in the shank of the adjustable jaw, and a pin carried by the plates extending through said arc-shaped slot.

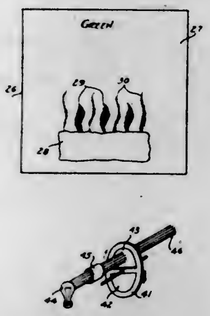
2,040,537
VISCOLIZER VALVE
Karl D. Smith, Battle Creek, Mich., assignor to Union Steam Pump Company, Battle Creek, Mich.
Application July 1, 1935, Serial No. 29,271
16 Claims. (Cl. 99—265)

16. In a viscolizer valve, the combination of a valve casing, an annular valve seat member seated therein and having an inwardly beveled valve seat and an upwardly facing annular shoulder, an annular breaker ring having an annular groove facing the valve seat, and a valve coacting with said valve seat and fitting within said breaker



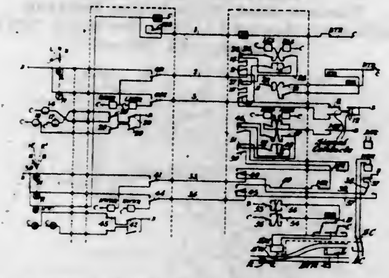
ring to permit restricted passage of fluid between the valve and the breaker ring.

2,040,538
ANIMATED SIGN AND METHOD OF OPERATING IT
Nelson Perry Smith, Toronto, Ontario, Canada, assignor, by direct and mesne assignments, of three-fourths to John Gordon Best and one-fourth to Paul Whiteside Matthews, both of Toronto, Ontario, Canada
Application October 25, 1935, Serial No. 46,820
3 Claims. (Cl. 40—130)



1. In an animated sign, a sign having a pictorial representation and a background thereon, said pictorial representation comprising a primary part, which may be of a pictorially animate or inanimate character, and a secondary animated part, which may also be of a pictorially animate or inanimate character, said secondary part of said pictorial representation and said background being colored in two contrasting hues and which are deficient in the distinguishing hues of each other, and said primary part being colored in a non-animating color, and means for throwing light of differently colored hues alternately upon said sign so as to convey the sensation of animation of the sign to the eyes of an observer, said means being operable to cause said primary parts to be constantly visible and to cause said background and said secondary parts to be alternately visible, said means having a frequency of from one to twenty cycles per second.

2,040,539
APPARATUS FOR THE REMOTE CONTROL OF RAILWAY POINTS, SIGNALS, AND THE LIKE
John Woodforde, King's Cross, London, England, assignor, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 3, 1932, Serial No. 635,882
In Great Britain November 9, 1931
8 Claims. (Cl. 246—3)



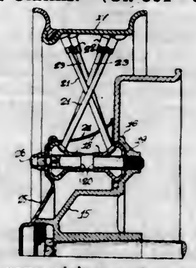
4. In combination with an office and a station at which is located apparatus controlled from said office, a starting circuit connecting said office with said station, a combined control and indication circuit connecting said office with said station, said combined circuit normally serving to provide a continuous indication of the condition of said apparatus at the station; two relays, one at said office and the other at said station for transferring said indication circuit into a control circuit for controlling said apparatus, said station relay being controlled by said starting circuit; and means for at times operating said office relay to thereby render said starting circuit effective to control said station relay.

2,040,540
SHAFT FOR GOLF CLUBS
Leonard A. Young, Detroit, Mich.
Original application October 30, 1931, Serial No. 572,111. Divided and this application February 3, 1933, Serial No. 654,972
4 Claims. (Cl. 273—80)



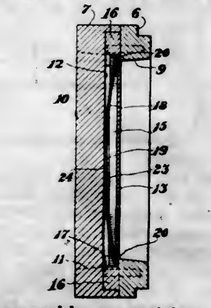
1. A shaft for golf clubs and the like in the form of a metal tube of circular cross section tapered from an intermediate portion toward each end to approximately the same diameter, the taper toward the head end extending approximately three-fourths of the length of the shaft.

2,040,541
SKELETON VEHICLE WHEEL
Charles S. Ash, Royal Oak, Mich., assignor, by mesne assignments, to The Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware
Application May 8, 1929, Serial No. 361,317
4 Claims. (Cl. 301—55)



1. A wheel comprising a rim, a plurality of tubular mounting members extending substantially parallel with the wheel axis, each mounting member comprising a pair of tubular parts in axial alignment, spokes connecting said rim and mounting members, and bolts extending through said mounting members for securing the same to a hub member, said bolts being provided with shoulders intermediate their ends to engage the inner ends of said tubular parts of each mounting member.

2,040,542
VALVE ASSEMBLY
Charles S. Baker, Corning, N. Y., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application July 20, 1933, Serial No. 681,269
6 Claims. (Cl. 251—144)

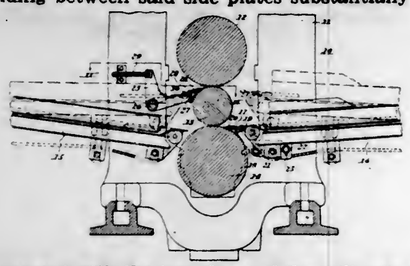


1. A valve assembly comprising a valve seat having a port, a valve to control the port and having a cushioning chamber, a stop member for the valve, and a spring in the form of a bowed plate in the chamber to press the valve against the valve seat and having a portion extending alternately out of and into the cushioning chamber respectively as the valve is in the closed and open positions, said portion cooperating with certain of the surfaces defining the cushioning chamber to control the flow of cushioning fluid into and from the cushioning chamber.

2,040,543
ROLLING MILL
Floyd A. Beatty, Pittsburgh, Pa., assignor to Lewis Foundry & Machine Company, Groveton, Pa., a corporation of Pennsylvania
Application November 20, 1933, Serial No. 698,757
1 Claim. (Cl. 80—47)

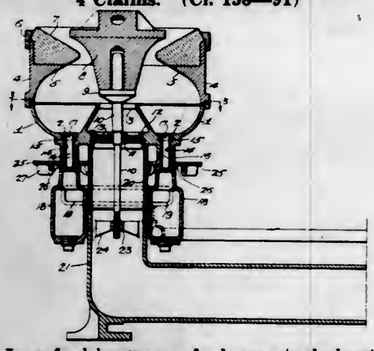
The combination with a rolling mill and feeding and catching tables for handling material to-

ward and from the mill, of a stripper carried on the mill comprising side plates pivotally attached to the mill housings providing an unobstructed space therebetween adapted to receive the mill end of one of said tables, and a narrow stripper plate extending between said side plates substantially in



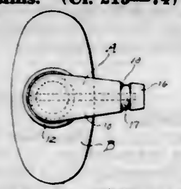
alinement with the top of one of the mill rolls for deflecting material moving thereover on to the table positioned to receive it, the dimension of the plate measured along the path of material traversing the mill being less than the radius of the roll it engages.

2,040,544
OIL BURNER
John Edward Brandt, Ridley Park, Pa.
Application August 23, 1932, Serial No. 630,103
4 Claims. (Cl. 158—91)



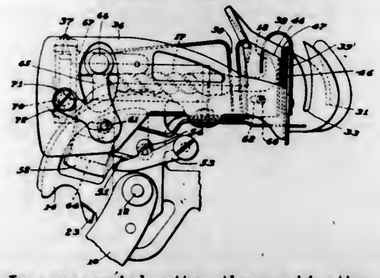
1. In a fuel burner, a fuel receptacle having a flat surface to receive a thin film of fuel for a high flame, the said surface having a plurality of fuel inlet ports opening thereto and provided with larger countersinks at the surface, and tubular studs threaded in said ports, the said studs having heads of less height than the depth of the countersinks and providing shallow recesses in the receptacle surface of greater diameter than the bore of the studs to provide low flame fuel wells.

2,040,545
DISPENSER CAP FOR CONTAINERS
Edwin Harold Byers, Jefferson, Pa.
Application September 24, 1934, Serial No. 745,334
9 Claims. (Cl. 215—74)



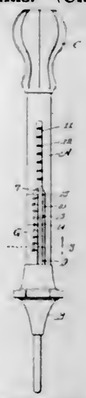
1. A dispenser cap comprising a hollow substantially rigid body portion having an attaching portion at one end, and a yieldable head at the opposite end of the body portion embodying a pair of flat, normally contacting lips, and a narrow stiffening rib extending along the inner portion of each lip and having their ends tapering off into finger gripping recesses at diametrically opposite points on the head.

2,040,546
WEAVER'S KNOTTER
Norman Cook, Manchester, England
Application August 11, 1934, Serial No. 739,437
7 Claims. (Cl. 289—3)



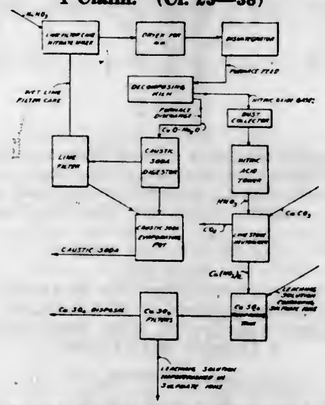
1. In a weaver's knotter, the combination with knotting instrumentalities including members for clamping the thread at one side of the knotter, of mechanism for relatively moving said members to grip the thread at substantially a predetermined point in the cycle of operations of the knotter, said members being relatively adjustable to accommodate different sizes of thread, and means for securing said parts in their different positions of relative adjustment.

2,040,547
THERMOHYDROMETER
Harold W. Eden, Chicago, Ill., assignor to Triple-A-Specialty Company, a corporation of Illinois
Application December 5, 1935, Serial No. 53,040
6 Claims. (Cl. 265—46)



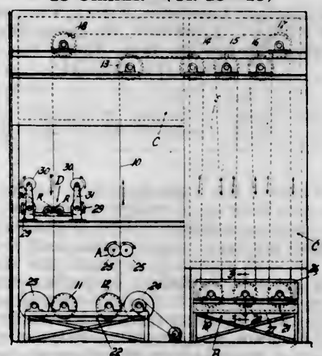
1. In a syringe hydrometer having a transparent barrel: a thermometer tube adapted to fit closely against the inside wall of said barrel; a perforate plug in the lower portion of the barrel for holding said tube in position; and a specific gravity float loosely confined in said barrel having a pair of outwardly extending fingers adapted to straddle said tube and prevent rotation of the float with respect to the tube.

2,040,548
TREATMENT OF NITRATE-BEARING MATERIAL
Edgar Stanley Freed, Norfolk, Va., assignor to Compania Salitrera Anglo Chilena (Anglo Chilean Nitrate Corporation), a corporation of Chile
Application December 29, 1933, Serial No. 704,409
1 Claim. (Cl. 23—38)



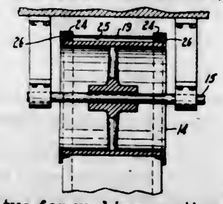
In a process for treating sodium nitrate-bearing material containing sulphate of potassium or sulphate of magnesium or both in the form of a double salt involving leaching of the material with an aqueous liquor to form a sodium nitrate solution, separation of dissolved sodium nitrate from the solution, and re-use of the mother liquor, after separation of sodium nitrate, in the leaching operation, the improvement which comprises treating the mother liquor with calcium nitrate to effect the precipitation of sulphate ions contained therein in the form of calcium sulphate, thereby to increase the capacity of the mother liquor for dissolving sulphates during the leaching operation and to provide for the recovery of potassium or magnesium or both in the form of nitrate.

2,040,549
METHOD AND APPARATUS FOR MAKING SHEET RUBBER
John R. Gammeter, Akron, Ohio, assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application April 12, 1933, Serial No. 665,761
13 Claims. (Cl. 18—15)



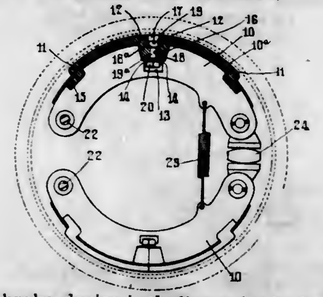
1. That method for making sheet rubber which comprises continuously passing a web through a body of rubber in liquid form one or more times, drying the rubber deposited on the web after each submersion of the web, severing the rubber film at the edges of the web, and continuously removing and reeling the sheets of rubber on the opposite faces of the web.

2,040,550
APPARATUS FOR MAKING CONTINUOUS STRIP MATERIAL
John R. Gammeter, Akron, Ohio, assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application May 7, 1934, Serial No. 724,339
7 Claims. (Cl. 18—15)



1. Apparatus for making continuous strip material, said apparatus comprising a flexible conveyor belt having local, relatively thick regions at the lateral margins thereof.

2,040,551
BRAKE SHOE
Floyd Milton Green, Columbus, Ohio
Application November 13, 1934, Serial No. 752,838
4 Claims. (Cl. 188—234)

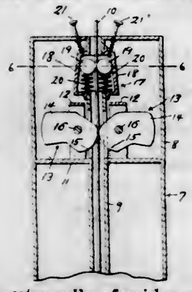


1. A brake device including a brake head having a web and a crown portion having an arcuate liner-receiving face, said crown and an adjacent web portion centrally recessed, and two liner members applied to said receiving face, each of said liner members having at one of its ends a bent portion integral with the liner, extended therefrom in the direction of the length of the liner to engage the crown at one end thereof, and each of said liner members having at its other end a thickened portion provided with a recess to match the recess of the other member to form a shouldered opening to receive and support means for holding said members in position.

2,040,552
DEPTH GAUGE
Samuel Gulick, Grand Coulee, Wash.
Application January 14, 1935, Serial No. 1,738
3 Claims. (Cl. 73—120)

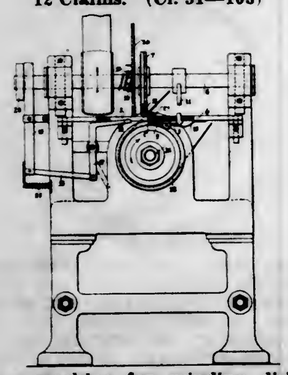
1. A liquid depth gauge of the class described, comprising a hollow metal cylinder substantially closed at its opposite ends by flat closing disks having central measuring tape openings formed therein, a centralized tubular tape guide mounted

in said cylinder and having its ends extending into alignment or registration with the openings in said disks, opposed walls of said tubular tape guide being formed with oppositely arranged apertures, a pair of rigid companion brackets mounted in the float and disposed diametrically



opposite and outwardly of said apertures, and pivoted cam elements carried by said brackets and having their inner cam ends projecting through said apertures into the tape passage for releasing clutch cooperation with a complemental tape, the outer ends of said cam elements being fashioned with counter-weights.

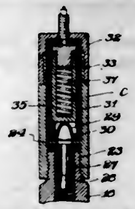
2,040,553
PRODUCTION OF DRAWING-PINS, WIRE-TACKS, AND THE LIKE
Jūliūs Hockelmann, Neheim-on-the-Ruhr, Germany, assignor to the firm Gust. Raffienbeul G. m. b. H., Schwelm, Germany
Application April 23, 1932, Serial No. 607,188
In Germany April 29, 1931
12 Claims. (Cl. 51—103)



12. In a machine for grinding disk headed drafting pins, a grinding wheel, means to hold the unsharpened drawing pin having a disk-like head in freely revoluble position with the point portion of the pin in contact with the side face of the grinding wheel, and a revolubly driven element engaging the top face of the head of the pin laterally of its center when in grinding position for rotating the pin as it is ground.

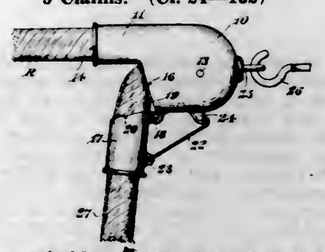
2,040,554
AUTOMATIC TIRE PRESSURE OPERATED SWITCH
Sydney V. Holmes, St. Paul, Minn., assignor of one-half to Edward J. Radlein, St. Paul, Minn.
Application May 11, 1932, Serial No. 610,621
4 Claims. (Cl. 200—58)

1. A pressure operated switch including, a casing, an insulating sleeve within said casing, a plunger within said sleeve, a ring-like washer contact at one end of said sleeve, means for urging said plunger toward said contact, an air tight expansible pressure operated member in said casing expansible through said washer to hold



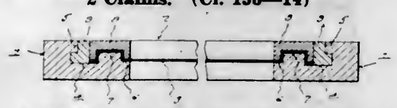
said plunger normally spaced from said contact, said plunger closing said switch when pressure against said flexible member drops below normal and an electric conductor leading from said plunger.

2,040,555
ROPE ADJUSTER AND HOLDER
William C. Holtzmann, New York, N. Y.
Application January 24, 1935, Serial No. 3,326
5 Claims. (Cl. 24—132)



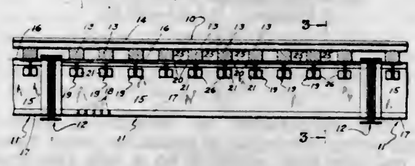
1. A rope holder of the class described comprising a body adapted to receive a rope, a hinged sleeve carried by the body through which a strand of rope is adapted to be trained, clamping means carried by the hinged sleeve and adapted to engage the rope trained through the sleeve for clamping the rope against movement through the body when said sleeve is swung at an angle to the body, and means engaging said hinged sleeve for locking the sleeve in a position substantially at right angles to said body.

2,040,556
FRAME
Charles Harrison Lawrence, Ysleta, Tex., assignor to Henry C. Lawrence, St. Louis, Mo.
Application March 26, 1935, Serial No. 13,160
2 Claims. (Cl. 156—14)



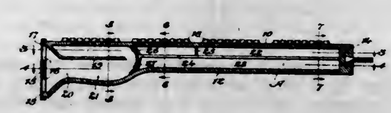
1. A frame of the class described for sheet material comprising a plurality of members, said members having communicating channels therein and further having communicating rabbets therein, ribs on said members between the channels and the rabbets, a flange extending over the channels, substantially channel-shaped anchoring strips engageable on the ribs for clamping the material thereon, and retaining strips of angular cross section mounted in the channels and engaged with the anchoring strips, said retaining strips engaged beneath the flanges.

2,040,557
METHOD OF REPAIRING STRINGERS
Arthur G. Leake, Bridgeport, Conn.
Application July 15, 1932, Serial No. 622,596
4 Claims. (Cl. 189—37)



3. A re-enforced stringer of a railroad bridge including an upright web and a laterally extending top chord connected therewith, a top strengthening and bearing plate welded to the under side of the chord, a rear bearing plate welded to a face of the web below the chord, and an upright web plate welded at its upper edge to the under surface of the top plate substantially mid-way the ends thereof and at its rear edge to the outer surface of the rear plate substantially midway the ends thereof to transfer the load from the chord to the web.

2,040,558
GASEOUS FUEL BURNER
William F. Lukemeier, Louisville, Ky., assignor to Peerless Manufacturing Corporation, Louisville, Ky., a corporation of Kentucky
Application September 5, 1935, Serial No. 39,352
8 Claims. (Cl. 158—114)



1. A gaseous fuel burner comprising an elongated hollow body having burner tips distributed along the top thereof, means for the supply of combustible fluid into said body at one end thereof, said body being divided into upper and lower chambers, means whereby inflowing combustible fluid is delivered initially in major part into the lower of said chambers and in minor part into the upper of said chambers, said chambers being in communication with each other throughout a major portion of the length of the body through an opening which is of uniform width throughout its length, the lower chamber being of progressively decreasing cross sectional area toward the end thereof remote from the combustible fluid inlet end thereof so that fluid is delivered from the lower chamber into the upper chamber in progressively decreasing amount toward the last mentioned end of said chamber.

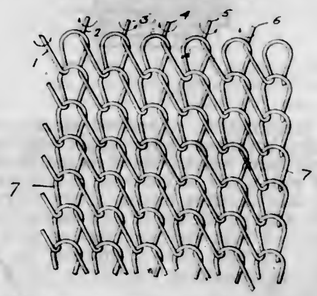
2,040,559
LAUNDRY BAG
Charles E. Luttrell, Greenville, S. C.
Application December 5, 1934, Serial No. 756,153
3 Claims. (Cl. 150—1)

1. A laundry bag including a front, back, and side strip for forming sides and a bottom, the front having an opening formed therein and extending longitudinally thereof, the side strip tapering toward its upper ends and secured to the front and back and being foldable longitudinally, a sliding fastener for closing the opening, means for forming a hem at the upper end of the



bag, a rod held within the hem, and means to support the rod.

2,040,560
WARP FABRIC
Ernst Richard Meinig, Wyomissing, Pa.
Application January 9, 1933, Serial No. 650,753
1 Claim. (Cl. 66—195)



A warp knitted fabric made entirely from highly twisted threads forming loops diagonally across the fabric, having every other thread highly twisted in one direction and the intermediate threads highly twisted in the other direction, whereby to form alternating loops in each course and each wale from threads highly twisted in opposite directions thus preventing interlooping of the threads during knitting and providing a finished fabric capable of maintaining its shape and form.

2,040,561
UNDERGARMENT
Ernst Richard Meinig, Reading, Pa.
Application June 14, 1934, Serial No. 730,557
1 Claim. (Cl. 2—78)

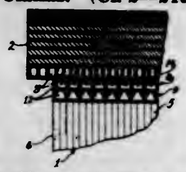
An under-garment comprising an upper section including a brassière and body portion, and a lower section consisting of a pair of panties said sections being connected together as a unit and knitted from interposed plain yarn and elastic yarn, the elastic yarn acting to impart an increased transversal tautness to the entire garment to make the same close form-fitting; an elastic strip extending continuously around the upper edge of the brassière and adapted to snugly engage the body of the wearer above the breasts to anchor the garment; and a second elastic strip disposed at the connection between the body portion and the brassière and extending only around

the front of the garment to tighten the latter at



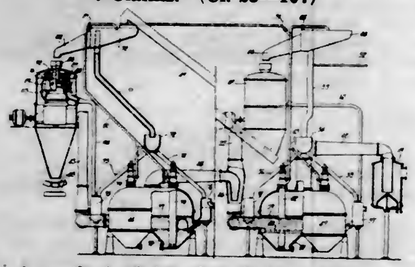
that point located immediately below the breasts and thus provide a fullness in the brassière.

2,040,562
KNEE LENGTH STOCKING
Ernst Richard Meinig, Reading, Pa.
Application December 24, 1934, Serial No. 758,926
3 Claims. (Cl. 2—240)



1. In combination, a knitted stocking and a garter band attached to the upper edge thereof, said garter band having one of its marginal edges provided with a row of enlarged attaching openings and said stocking having a row of enlarged openings adjacent the upper edge thereof adapted to be aligned with the openings in said garter band, and stitching passed through the aligned openings for attaching the garter band to the stocking.

2,040,563
PROCESS FOR MAKING AMMONIUM PHOSPHATES
John J. Phillips, Fairfield, Ala.
Application October 24, 1933, Serial No. 695,018
7 Claims. (Cl. 23—107)



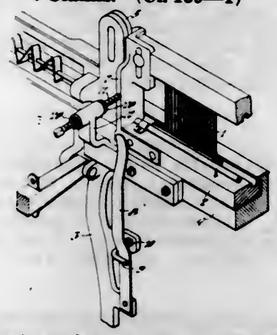
4. A method of forming di-ammonium phosphate which comprises saturating a solution of mono-ammonium phosphate with ammonia to form crystals of di-ammonium phosphate, circulating the resulting solution and crystals through a mass of crystals of mono-ammonium phosphate to dissolve the latter and deposit the di-ammonium phosphate crystals and returning the resulting solution to be saturated with ammonia out of contact with said mass of mono-ammonium phosphate crystals.

2,040,564
PRINTED WAXED PAPER
Frederic Ardern Rapley, Golders Green, London, England
Application June 7, 1933, Serial No. 674,769
In Great Britain June 11, 1932
5 Claims. (Cl. 91—67.9)



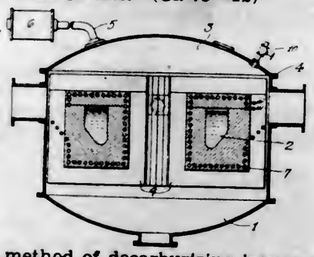
1. The preparation of translucent printed paper sheets consisting in preparing paper waxed on one side only, printing on a side free from wax and subsequently completing penetration of the wax through the paper.

2,040,565
SET-MARK PREVENTER FOR LOOMS
Arthur S. Robinson, Astoria, N. Y.
Application October 2, 1934, Serial No. 746,537
7 Claims. (Cl. 139—1)



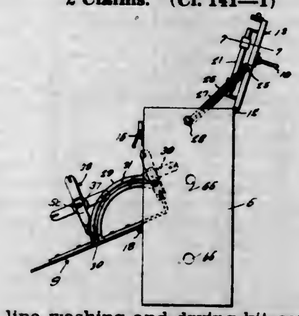
1. In a set mark preventing device, the combination in a loom with its reciprocating lay, its reed mounted on the lay and having movement additional to the motion thereof, reaction means carried with the lay for holding the reed to the cloth in beating up the filling while permitting elastic recession of the reed upon encountering the cloth, of an electrical circuit, a signal operative from said circuit, and means actuated by said reed at the end of its movement of recession in beating up the filling to control the circuit to operate the signal.

2,040,566
VACUUM METHOD OF MANUFACTURING STEEL
Wilhelm Rohn, Hanau-on-the-Main, Germany, assignor to Heraeus-Vacuumschmelze A. G., Hanau-on-the-Main, Germany, a German company
Application November 20, 1933, Serial No. 698,923
11 Claims. (Cl. 75—12)



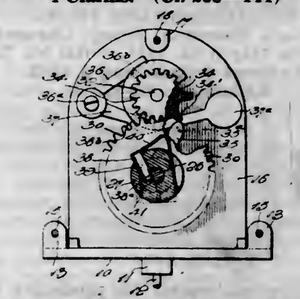
1. The method of decarburizing iron and steel alloys containing at least one of the strong carbide-forming elements, chromium, titanium, uranium and the like which comprises heating the said steel to temperatures above the melting point, adding thereto a carbon-reducible oxidizing material, enclosing the molten steel bath from the atmosphere, circulating atmospheric gases over the surface of the bath and continuing the heating of the bath under gradually reducing pressures of said atmospheric gases until the carbon content of the bath has been lowered to the desired minimum.

2,040,567
FISHING LINE WASHER AND DRIER
Marion G. Rowe, Daytona Beach, Fla.
Application July 17, 1935, Serial No. 31,918
2 Claims. (Cl. 141—1)



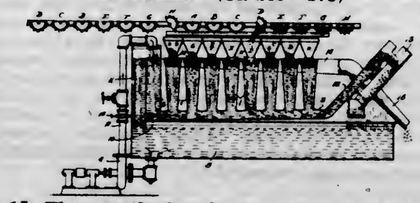
1. A line washing and drying kit comprising a casing having the upper portion of one side wall open, a closure hingedly connected to the casing at the lower end of the said opening, the portion of the casing below the said opening constituting a water compartment, the closure being provided with an extension beyond its hinged end, a line washing reel mounted upon the said extension, a drying reel mounted on the closure at an intermediate point, and means for operating the washing reel when the closure is in closed position and the washing reel depending into the water containing compartment.

2,040,568
RESETTABLE REGISTER
Armas J. Saarinen, San Francisco, Calif., and William H. Curtis, Dayton, Ohio; said Saarinen assignor to Granberg Meter Corporation, San Francisco, Calif., a corporation of California, and said Curtis assignor to National Pumps Corporation, Dayton, Ohio, a corporation of Ohio
Application January 8, 1931, Serial No. 507,480
4 Claims. (Cl. 235—144)



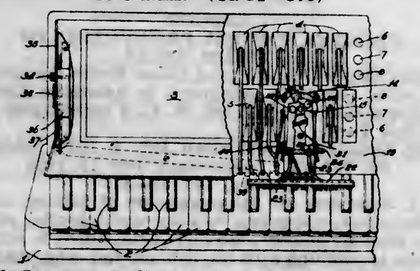
1. In a register, two pointers, a gear train connecting said pointers for movement in predetermined ratio, said gear train comprising continuously meshed gearing, and intermittent gearing having periods of complete disengagement, means for driving said gear train to operate said pointers in said predetermined ratio for registering, and reset means for driving said gear train and rotating said pointers at a different ratio during a period of complete disengagement of said intermittent gearing to reset the register after both pointers have registered, the gears of said train being pitched to cause interfering engagement of said intermittent gearing at the end of the resetting operation to provide a reset stop.

2,040,569
FRUIT AND VEGETABLE GRADING MACHINE
John Schmidt, Buffalo, N. Y., and Edward C. Eberts, Jeffersonville, Ind.; said Schmidt assignor to Food Machinery Corporation
Application June 22, 1931, Serial No. 546,125
16 Claims. (Cl. 209—173)



15. The method of separating individual charges of mixed solids into groups of like characteristics consisting in flowing a stream of separating solution through a horizontal path, shunting a portion of said stream through a vertical path to form an isolated continuously flowing and overflowing vertical column of separating solution, successively and periodically placing measured charges of mixed solids into the upper areal zone of said vertically flowing column of solution where the solids of like characteristics will sink in said solution and collect in said horizontal flowing stream of solution to be carried away thereby, the portion of said mixed charges that does not sink being floated away by the overflow of the constantly rising column of solution, separation of said mixed charges taking place before depositing another charge in said solution.

2,040,570
ACCORDION SHIFT MECHANISM
Otto Schmidt, De Kalb, Ill., assignor to Wurlitzer Grand Piano Company, De Kalb, Ill., a corporation of Illinois
Application May 31, 1935, Serial No. 24,304
18 Claims. (Cl. 84—376)

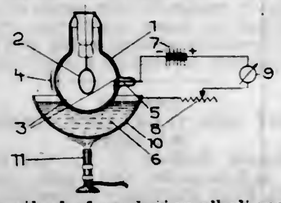


1. In an accordion, a piano-type keyboard and reeds controlled thereby, a slide valve for supplemental control of certain reeds, and means for shifting said slide valve at will including an actuator disposed directly over the keyboard.

2,040,571
DISCHARGE VESSEL AND METHOD OF MAKING SAME

Paul Selényi, Budapest, Hungary, assignor to Egyesult Izzolampa es Villamossagi rt., Ujpest, Hungary, a corporation of Hungary

Application August 20, 1930, Serial No. 476,621
In Hungary and Austria August 28, 1929
13 Claims. (Cl. 250—27.5)

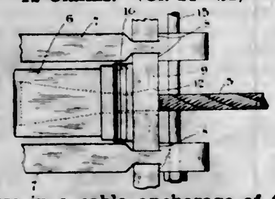


1. The method of producing alkali metal cathodes in closed glass vessels comprising depositing a thin metal coating on the inner wall of the vessel, connecting said coating as cathode in an electrolytical circuit, decomposing the glass by heating it in contact with a fused alkali metal salt and by the electrolytic action of said circuit to transport into said vessel part of the alkali metal forming part of the glass, and reversing the current in said circuit, whereby oxygen formed in the decomposition of the glass is transported into said vessel also.

2,040,572
CABLE ANCHOR

Frederick P. Shearwood, Montreal, Quebec, Canada, assignor to Dominion Bridge Company, Limited, Montreal, Quebec, Canada

Application November 1, 1933, Serial No. 696,122
12 Claims. (Cl. 14—21)



1. For use in a cable anchorage of the character described, an anchor plate shaped to provide integral abutment formations at opposite sides thereof, said abutment formations presenting rearwardly facing surfaces located intermediate the front and rear edges of the plate.

2,040,573
PROCESS FOR THE PRODUCTION OF LITHIUM SALTS

Hans Siegens, Goslar, and Oskar Roder, Langelsheim, Germany, assignors to American Lurgi Corporation, New York, N. Y., a corporation of New York

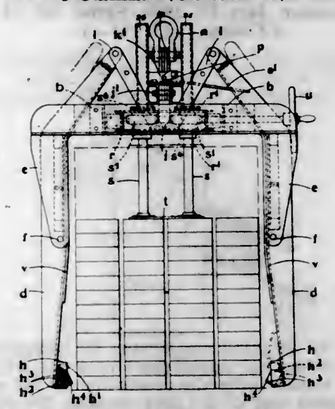
No Drawing. Application July 6, 1934, Serial No. 734,027. In Germany July 13, 1933
6 Claims. (Cl. 23—27)

1. A process for the production of lithium sulfate which comprises heating amblygonite with an amount of free sulphuric acid which is sufficient to combine with the lithium and other alkali and alkaline earth metals present, but at most only slightly exceeds said amount, the heating being conducted first at a temperature at which the aluminum and iron present are transformed into their sulphates and then at a temperature at which the sulphates of aluminum and iron are converted into phosphates and oxides but at which no appreciable decomposition of the lithium sulphate takes place and then separating said lithium sulphate by leaching with an aqueous liquid.

2,040,574
APPARATUS FOR LOADING OR PILING BRICKS OR THE LIKE

Edgar Rouse Sutcliffe, Lowton, Newton-Le-Willows, England

Application July 21, 1933, Serial No. 681,433
In Great Britain January 27, 1933
9 Claims. (Cl. 294—63)

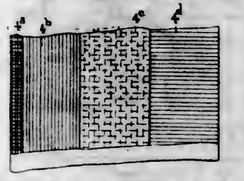


1. Apparatus for loading bricks or the like comprising a rigid frame of an inverted substantially U-shape adapted to be applied in position over a pile of bricks or the like, gripping levers pivotally mounted at opposite sides at the lower ends of the downwardly extending parts of the said rigid frame, the said gripping levers having their upper ends extending above the horizontal part of the said rigid frame, transversely disposed contact bars carried at the lower ends of the gripping levers at positions beneath the downwardly extending parts of the said rigid frame, means by which the contact bars are adapted to engage with elastic pressure the bricks or the like of two parallel outer rows in the lowermost layer, and means for the suspension of the said rigid frame comprising toggle links connected at their outer ends to the upper ends of the gripping levers.

2,040,575
METHOD FOR THE PRODUCTION OF COLOR CINEMATOGRAPH FILMS

John Edward Thornton, Jersey, Channel Isles

Application March 31, 1934, Serial No. 718,440
In Great Britain April 5, 1933
3 Claims. (Cl. 95—2)

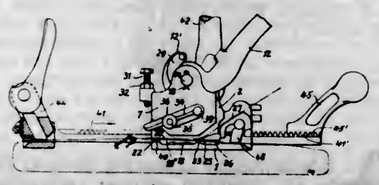


1. An improved process for producing a combined color picture and sound record cinematograph film having the picture records formed in relief in colloid of one color and the sound record in relief in colloid of another color, the two records in relief colloid being formed simultaneously from a film in which both records have first been formed by exposure and development as primary images of metallic silver embedded in a layer of hardened gelatine, the said process comprising the following steps in combination:—(*a*) applying in optical contact on to the aforesaid silver images a tape carrying parallel stripes of differently colored colloid mounted on a porous paper support applied to the film simultaneously, the stripe covering the picture areas being of one color and the stripe covering the sound record being of a different color; (*b*) passing the film and the colloid tape adhered thereto into a bleaching and hardening bath by the reaction of which the silver images are bleached and the colloid stripes are rendered insoluble whenever in contact with the silver of the images and in direct ratio to the quantity of silver in the images; (*c*) dissolving and removing all unwanted colloid and removing the porous paper support that has not become insolublized and amalgamated with the underlying silver image, thus producing relief images of insoluble colloid; (*d*) dissolving and removing by a fixing bath the unwanted silver salts thus producing a clear transparent imageless layer of gelatine upon which the aforesaid colloid relief images are superimposed; and finally washing and drying the film; thus producing a positive cinematograph film strip having a layer of imageless transparent gelatine firmly attached to its transparent cellulose support, and another layer comprising sound and picture records of colloid reliefs in parallel formation superimposed upon and firmly attached to the aforesaid imageless layer of hardened gelatine, the picture records being in colored colloid reliefs and the sound record being in a differently colored colloid relief, these colloid relief images, being the only images left on the film.

2,040,576
TOOL FOR JOINING THE ENDS OF IRON BANDS

Erich Timmerbeil, Schwelm in Westphalia, Germany

Application October 16, 1933, Serial No. 693,842
In Germany January 6, 1933
9 Claims. (Cl. 81—9.1)

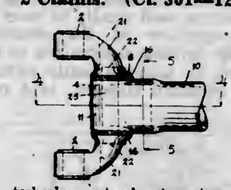


1. A tool for fastening superposed band ends by producing in the superposed band ends pairs of zig-zag slits, comprising in combination: a casing having a base adapted to be slid under the superposed band; die means for producing zig-zag slits comprising dies mounted upon said base to underlie the superposed bands; counter dies movably mounted for co-operation with said stationary dies; means for moving said movable dies vertically up and down; and means for locking the superposed band ends in the required position relatively to said dies, said means comprising a bolt adapted to be moved in front of and to act upon the front edges of the inserted band ends.

2,040,577
TUBULAR AXLE

Bertis H. Urschel, Bowling Green, Ohio

Application March 12, 1935, Serial No. 10,661
2 Claims. (Cl. 301—124)

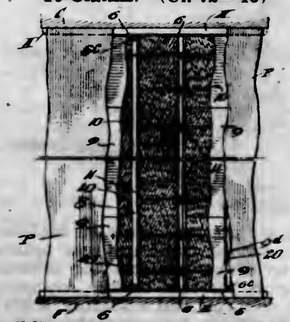


1. In a tubular steel structure, steel yoke-shaped members having arms extending curvedly from central parts of the said members, the central parts having curved surfaces, a tubular steel member having slots formed in opposite sides of the end parts of the tubular member, the said central parts substantially fitting in the slots and the portions of the end parts between the slots, the end parts of the said portions bent around and substantially fitting and enclosing the said central parts and welded to the yoke members along the edges of the said portions, the yoke members having openings extending through the said central parts and in a direction crosswise the tubular member for admission of chilling fluid within the said central parts upon heat treatment of the connected yoke members and the tubular member for producing intimate contact and fitting between the surfaces of the end portions of the tubular member and the central parts of the yoke members.

2,040,578
BUILDING CONSTRUCTION

Frederick M. Venzie, Philadelphia, Pa., assignor to Veco Corporation, a corporation of Pennsylvania

Application December 19, 1933, Serial No. 703,046
10 Claims. (Cl. 72—46)



1. A building construction comprising a ceiling and floor, a multiplicity of positioning members connected to said ceiling and floor, a multiplicity of surfacing units having tongues and grooves on at least two edges, the tongue of one unit and the groove of an adjacent unit being in abutting relationship and said members being positioned therebetween.

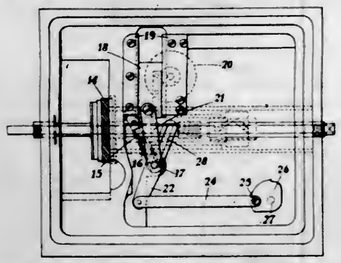
2,040,579
FADE-OUT SHUTTER MECHANISM FOR CINEMATOGRAPH CAMERAS

William Charles Vinten, London, England

Application April 6, 1934, Serial No. 719,387
In Great Britain October 9, 1933
7 Claims. (Cl. 88—19.3)

1. In a cinema camera, a main intermittent shutter and an apertured fade shutter in juxta-

position, a tubular shaft carrying one of said shutters, a second shaft within the tubular shaft carrying the other shutter, means for rotating one of said shafts, means drivingly associating said two shafts together, manually operated means for angularly adjusting said shafts to vary the effective working aperture of the shutters without affecting the driving association of the shafts, and mechanism for automatically adjusting said shafts during rotation thereof, said mechanism



including a driving shaft rotated by the camera drive mechanism, said mechanism including a variable throw crank device whereby the speed ratio of shaft adjustment to camera drive may be adjusted, and said manually operated means for varying the working aperture of the shutters being operatively associated with said mechanism to vary the throw of said crank device.

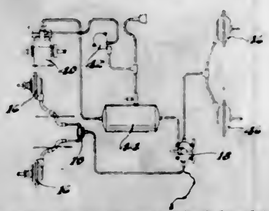
2,040,580

VALVE

Stephen Vorech, Pittsburgh, Pa., assignor to Bendix-Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware

Application July 31, 1931, Serial No. 554,167

8 Claims. (Cl. 188—152)



8. In an air pressure operated braking system for vehicles having front and rear brakes, a reservoir of air under pressure, air pressure operated actuators for said brakes, connections between said reservoir and actuators, a brake valve in said connections for simultaneously applying air under pressure from said reservoir to said actuators, and valvular means in said front brake actuator connections between said front brake actuators and said brake valve for controlling the flow of air under pressure to said front brake actuators, said means having a pressure responsive element subject to the pressure of the air supplied said front brake actuators and being spring loaded to close off the flow of air to said last named actuators when the pressure in the latter is less than the pressure admitted by said brake valve by a predetermined differential whereby the pressure admitted to the front brake actuators will be less than but proportional to the pressure admitted to said rear brake actuators throughout the range of pressures admitted by said brake valve.

2,040,581

MINE BLASTING AND SIMILAR OPERATIONS

Walter Voortmann, Dortmund, Germany

Application May 23, 1935, Serial No. 23,105

In Germany February 16, 1934

3 Claims. (Cl. 102—5)



1. In blasting operations, the method of laying a blasting charge in a bore hole in which an incombustible plug having a diameter slightly less than that of the bore hole and a flexible holding member attached thereto is utilized, which comprises the steps of inserting the blasting charge into the bore hole, inserting said plug into the bore hole, tamping stemming material tightly against said plug while the latter is firmly held by said flexible holding means against movement toward the charge, and then pulling the said plug outwardly by said holding means in order to insure the compactness of the inner portion of the stemming material.

2,040,582

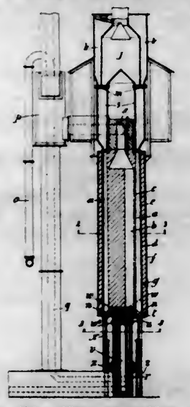
VERTICAL RETORT FOR THE CARBONIZATION OF COAL AND THE LIKE

Frederick Joseph West and Ernest West, Miles Platting, Manchester, England, assignors to West's Gas Improvement Company Limited, Miles Platting, Manchester, England, a company of Great Britain

Application December 6, 1933, Serial No. 701,198

In Great Britain December 8, 1932

2 Claims. (Cl. 202—220)



1. An intermittently operating vertical retort comprising an unbroken annular carbonization chamber diverging from top to bottom, means adapted to insert material to be carbonized directly into the top of said annular chamber, means to withdraw material from the base of said chamber, means to remove gas from the top of said chamber, and a plurality of vertical combustion chambers located within and bounded by said annular carbonization chamber adapted to heat the contents of said carbonization chamber, together with means for the supply of combustible to the base of said combustion chambers and for withdrawing the products of combustion from the upper ends thereof centrally above the carbonization chamber, said combustion chambers being arranged in the form of a unitary structure, in horizontal cross-section whereof said chambers are arranged in the form of the spaces between the spokes of a wheel having a central hub and whereof the rim is formed by the inner wall of the annular carbonization space aforesaid.

2,040,583

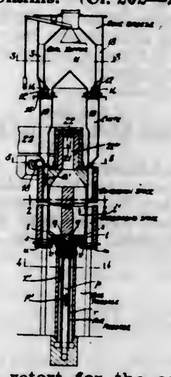
VERTICAL RETORT FOR THE CARBONIZATION OF COAL AND LIKE CARBONACEOUS MATERIALS

Frederick Joseph West and Ernest West, Miles Platting, Manchester, England, assignors to West's Gas Improvement Company Limited, Miles Platting, Manchester, England, a company of Great Britain

Application November 30, 1934, Serial No. 755,502

In Great Britain December 2, 1933

2 Claims. (Cl. 202—220)



1. A vertical retort for the carbonization of coal or the like comprising a vertical combustion chamber, an annular carbonization chamber forming a complete peripheral enclosure for the said combustion chamber and bounded on its outer side by the outer wall of the retort, the said outer wall being free from external heating means, and a series of radial partitions extending from a central hub within the said combustion chamber to the outer wall of the retort and dividing said combustion chamber and annular carbonization chamber into sections, together with means to supply combustible and secondary air to each of said sections of said combustion chamber and to remove flue dust at the base thereof and to withdraw products of combustion therefrom centrally above the top of said annular carbonization chamber, separate but co-related means to supply material to be carbonized or alternatively protective material such as coke breeze to each of said sections of said annular carbonization chamber, means to withdraw carbonized material from the bottom of each carbonization chamber and to withdraw gaseous products of carbonization from the top thereof, each of said carbonization chamber sections having continuous, unbroken walls which diverge radially apart from top to bottom of the section.

2,040,584

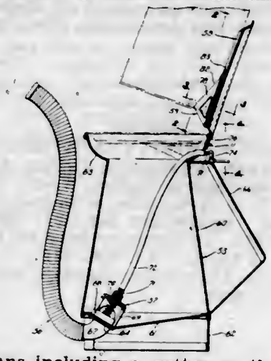
DEVICE FOR HANDLING CANNED FLUIDS

Ozro N. Wiswell, Los Angeles, Calif., assignor to Swingspout Measure Company, Los Angeles, Calif., a corporation of California

Application January 9, 1934, Serial No. 705,889

15 Claims. (Cl. 221—23)

1. A device for handling fluids, including, an open-topped portable body, a discharge spout on the body, a shiftable cover for the upper end of the body, and means on the cover operatable to cut an opening in a can forced against it when the cover is in an open position and thereafter support the can in position to drain into the body,



said means including a cutter on the cover for penetrating a wall of the can, and a part on the cover which together with the cutter is operable to support the opened can.

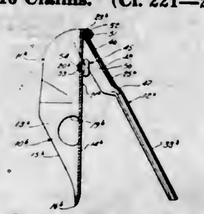
2,040,585

OPENING AND POURING DEVICE FOR CANS

Ozro N. Wiswell, Los Angeles, Calif.

Application January 9, 1934, Serial No. 705,891

16 Claims. (Cl. 221—23)



1. A device for opening containers including, a cutter adapted to cut an opening in a container, a guide of substantially arc shaped transverse cross section for cooperating with the container to guide the cutter, the arc defined by the guide being substantially less than 180° of a circle defined by the same radius of curvature, and means connecting the guide and cutter in a manner so that their adjacent parts may be moved apart to be accessible for cleaning.

2,040,586

CAN OPENER

Ozro N. Wiswell, Los Angeles, Calif.

Application July 14, 1934, Serial No. 735,259

18 Claims. (Cl. 221—23)



15. A can opener including a body having a tubular portion operable as a spout and having a

guide portion operable to engage a side wall of a can, there being a recess in the guide portion to face said side wall, a principal cutter on the body adapted to be forced through an end wall of the can to form an opening through which the contents of the can may be drained out through said tubular portion, and a mutilating cutter arranged in the recess to turn about its axis and cut into said side wall when the principal cutter is removed from the first mentioned opening.

2,040,587

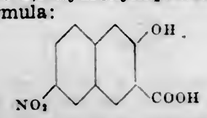
6-NITRO-2,3-HYDROXYNAPHTHOIC ACID

Arthur Zitscher, Cronberg in Taunus, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application June 21, 1935, Serial No. 27,817. In Germany June 26, 1934

1 Claim. (Cl. 260—110)

The 6-nitro-2,3-hydroxynaphthoic acid of the following formula:



crystallizing from ortho-dichlorobenzene in the form of compact yellow needles of the decomposition point 268° C. and dissolving in caustic alkalies to a blood-red solution, in concentrated sulfuric acid to an orange-yellow solution.

2,040,588

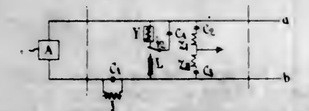
APPARATUS FOR THE REGISTRATION OF SIGNALS IN AUTOMATIC TELEPHONE INSTALLATIONS

Egon Zoller, Zurich, Switzerland

Application January 14, 1935, Serial No. 1,762

In Switzerland January 19, 1934

18 Claims. (Cl. 179—7.1)



1. In an automatic telephone installation having conductor lines, a calling station, an exchange feeding circuit for interconnecting said calling station to the lines, a signal registering apparatus at the calling station, said registering apparatus comprising a supply circuit independent from said exchange feeding circuit, an impulse relay interconnected to said lines, a slow release relay allotted to said impulse relay and for being controlled by it, said slow release relay being adapted to maintain said supply circuit closed as long as the receiver is taken off its hook, at least during the time in which impulses are transmitted.

2,040,589

VEHICLE WHEEL

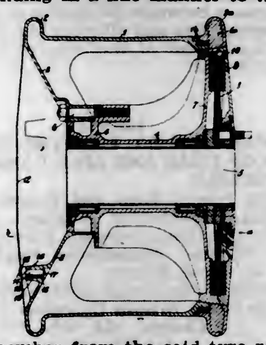
William Leicester Avery, Thorley, Bishop's Stortford, England

Application May 14, 1934, Serial No. 725,643

In Great Britain May 19, 1933

4 Claims. (Cl. 301—6)

1. A vehicle wheel for carrying a pneumatic tyre comprising a rim having tyre retaining flanges around the peripheral edges thereof, an annular flange extending from one such tyre retaining flange to a hub to which the said annular flange is secured, an annular member extending vertically and without change of direction from immediately below said other tyre retaining flange to the said hub and a still further annular member extending in a like manner to the last-



mentioned member from the said tyre retaining flange to the hub and spaced from its companion member, so as to form a brake housing between the two such members.

2,040,590

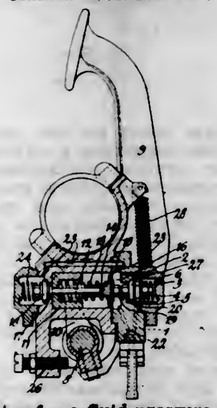
REGULATOR FOR FLUID PRESSURE SYSTEMS

William Leicester Avery, Thorley, Bishop's Stortford, England

Application July 24, 1934, Serial No. 736,795

In Great Britain July 26, 1933

4 Claims. (Cl. 303—54)



1. A regulator for a fluid pressure system, such as for the control of the brakes on a vehicle, comprising in combination a casing having therein an inlet valve and an exhaust valve independent of the inlet valve, a control member for opening the inlet valve and means for simultaneously closing the exhaust valve upon opening of the inlet valve, means adapted to counterbalance the inlet valve both against variations in the pressure in the supply fluid and against variations of pressure in the system, said counterbalancing means being always operative irrespective of the position of the inlet valve.

2,040,591

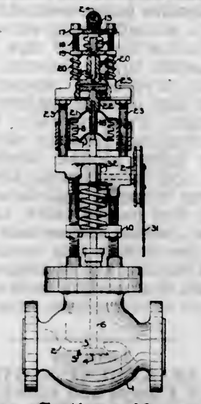
VALVE

Joseph M. Barrett, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware

Application February 16, 1931, Serial No. 516,085

9 Claims. (Cl. 137—139)

8. A regulating valve for controlling fluid flow adapted to be positioned responsive to variations in a controlling fluid pressure, means actuated by a second fluid pressure for forcing and holding said valve in an extreme position of its travel, and means sensitive to said controlling fluid pres-



sure for making effective said second fluid pressure at a predetermined value of the controlling fluid pressure.

2,040,592

SINTERED HARD METAL ALLOY FOR TOOLS AND SIMILAR ARTICLES

Karl Becker, Berlin-Lichterfelde-Ost, Germany, assignor to Wolfram & Molybdaen A.-G., Zurich, Switzerland

No Drawing. Application November 6, 1933, Serial No. 696,919. In Switzerland November 18, 1932

2 Claims. (Cl. 75—136)

1. Sintered hard metal alloy for tools and similar articles, consisting of at least 50% tungsten carbide, up to 25% of an additional metal alloy of a metal of the iron group with boron, and 2 to 30% of a hard mixed crystal of carbides of an element of the 4th group with an element of the 5th group of the periodic system.

2,040,593

EXTENSION TABLE

Nicholas Bekius, Grand Rapids, Mich., assignor to Robert W. Irwin Company, Grand Rapids, Mich., a corporation of Michigan

Application April 16, 1934, Serial No. 720,713

16 Claims. (Cl. 311—55)



13. In an extension table, a main top, an under supporting frame for the top to which the top is secured there being an open space at the end of the table between the main top and the supporting frame, an extension top section adapted to be located in said open space when not in use, bars attached to said section slidably mounted on and passing through an end member of the supporting frame, whereby the top section may be moved outwardly beyond the end of the table and elevated and moved back in the plane of the table top with its edge in abutting engagement with the edge of the top, means for supporting said extension top section in the plane of the table top comprising a pair of members at each bar, one of said members supported by the table frame and the other on the bar, said members having interengaging surfaces one having a slanting cam portion to engage the other to raise by cam action the free ends of the bars to contact with the under side of said table when said extension top section has been drawn outwardly and is elevated and moved back to bring the edge in abutting engagement with the end of the main top.

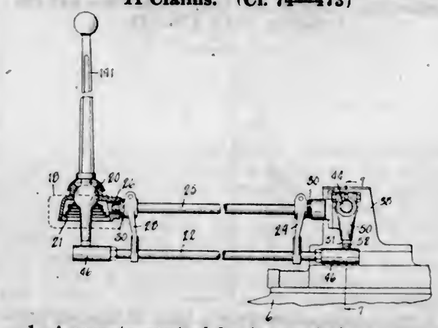
2,040,594

REMOTE CONTROL FOR TRANSMISSIONS

Leo A. Bixby, Kalamazoo, Mich., assignor to Fuller Manufacturing Company, Kalamazoo, Mich.

Application February 24, 1934, Serial No. 712,784

11 Claims. (Cl. 74—473)



1. A remote control for transmissions comprising a shaft housing, an actuated selecting and shifting shaft mounted in said housing for axial and rotary movement, a depending gear shifting member at the inner end of said shaft, a depending arm on the outer end of said shaft, a control lever housing, a gear shift control lever mounted in said control lever housing, a connecting rod having ball and socket joint connections to said control lever and to said arm on said shaft, a selecting rockshaft arranged in spaced parallel relation to said connecting rod and connected at its ends to said housings by ball and socket bearings, and forks fixed to said rockshaft and engaging said connecting rod adjacent the ends thereof.

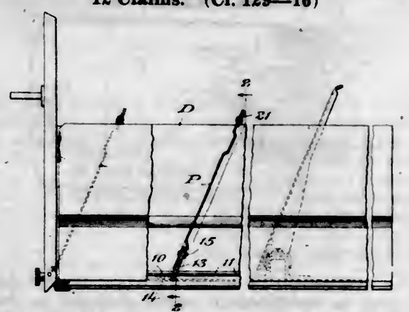
2,040,595

DRAWER AND SPACER PLATE COMBINATION

George C. Brainard, Youngstown, Ohio, assignor to The General Fireproofing Company, Youngstown, Ohio, a corporation of Ohio

Application August 1, 1935, Serial No. 34,271

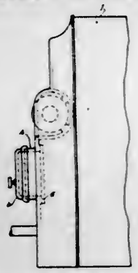
12 Claims. (Cl. 129—16)



7. In combination, a drawer having a bottom provided with an opening, an insertable and removable spacer plate for the drawer, means car-

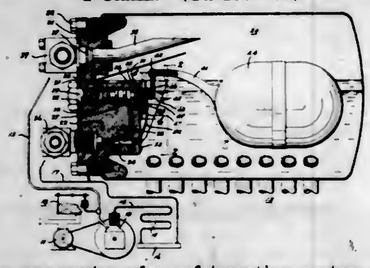
ried by the plate for passing through said opening and engaging the under side of the drawer bottom to secure the plate to said drawer bottom for forward and rearward rocking movement, and spring means also carried by the plate and rendered effective by downward movement thereof to a position in which it is secured to the drawer bottom to render said first named means effective and also to rock the spacer plate rearwardly.

2,040,596
ARC REGULATOR
Karl Brenkert, Detroit, Mich., assignor to The Brenkert Light Projection Company, Detroit, Mich., a corporation of Michigan
Application August 18, 1933, Serial No. 685,691
3 Claims. (Cl. 176—73)



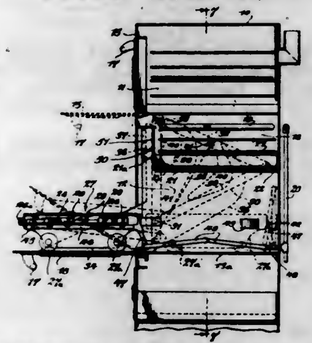
1. In combination with a pair of spaced electrodes, a pair of field magnets disposed oppositely to each other and permanently in circuit with said electrodes, an armature rotatably mounted between said magnets, so that the magnetic pull thereon is substantially equal in opposite directions perpendicularly from its axis of rotation, a motor for feeding at least one of said electrodes, a liquid type switch carried by said armature and movable thereby to open and closed positions, said switch governing the circuit of said motor, and quick-acting biasing means tending to move said armature in opposition to the action of said magnets thereon, whereby said motor circuit is made and opened promptly at critical current values in said electrodes and unaffected by cyclic vibration of said armature, said switch being silent during such vibration.

2,040,597
REFRIGERATING APPARATUS
Theodore L. Chisholm, Pleasant Ridge, Mich., assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application September 29, 1930, Serial No. 485,176
1 Claim. (Cl. 137—68)



An evaporator of a refrigerating system comprising in combination, walls defining a closed chamber providing a reservoir for liquid refrigerant, one wall of said chamber having a passage formed therein for the ingress of liquid refrigerant to the reservoir, a valve within the confines of said chamber walls and positioned in the passage in said one chamber wall, means for normally maintaining said valve closed, a float within said chamber responsive to the level of liquid refrigerant therein for actuating said valve from its normal closed position to permit flow of refrigerant from said passage to the interior of said closed chamber, said valve being removable from said chamber and said passage without removing its actuating means, a second valve for controlling the flow of refrigerant through said passage, said second valve being located between said first named valve and its actuating means, said second valve being normally maintained in open position by said first named valve, and mechanism for at all times biasing said second valve to closed position and for closing said second valve automatically during the act of removing said first valve from said chamber and said passage to prevent the escape of refrigerant from said chamber or reservoir.

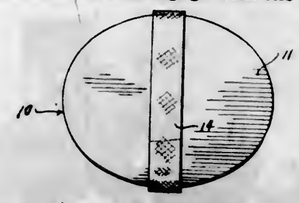
2,040,598
APARTMENT STOVE
Vincent J. Cronyn and Henry Peruzzini, Buffalo, N. Y.
Application March 26, 1934, Serial No. 717,316
4 Claims. (Cl. 126—37)



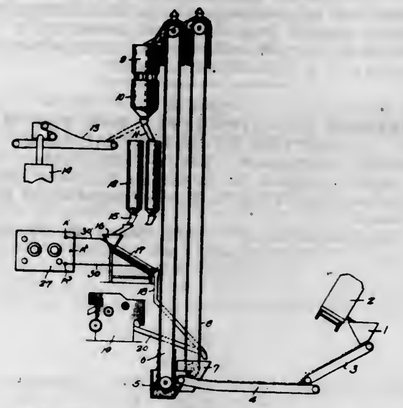
1. Mechanism for moving a heating unit into and out of a compartment of a stove having a door which is movable to one position in which it closes said compartment and which is movable to an open position in which it is supported in a substantially horizontal plane, said mechanism including a carriage for said unit, a pair of connected links at each side of said carriage, one of each of said pairs of links being connected at the front of said compartment to a stationary part of said stove and the other of each of said pairs of links being connected to the front end of the adjacent side of said carriage, a lateral projection carried by one of the links of each of said pairs of links, arms carried by said door, said arms engaging said projections as said door approaches its open position to move said carriage out of said compartment upon the back of said door and a conduit for connecting said unit to a source of fuel when said carriage is moved to such position, said conduit being collapsible to permit said carriage to be moved back into said compartment when said door is moved to its closed position.

2,040,599
SUPERFLUOUS HAIR REMOVER
James O. Davies, St. Louis, Mo.
Application December 23, 1929, Serial No. 415,974
9 Claims. (Cl. 51—186)

1. An article of manufacture, comprising a hair remover for personal use, including a flexible carrier adapted to be rubbed over the hairy surface and having on its face an abrasive substance adapted to engage and break down the hair structure, said material being of a fineness and character to interengage with the hair structure but in normal use incapable of scratching or impairing the skin, and said flexible carrier being adapted to be held by the hand and conform under pressure of the latter to the hairy surface over which it is moved.



2,040,600
METHOD OF AND APPARATUS FOR TREATING GRAIN FOR EXTERMINATION OF INSECT LIFE THEREIN
Jesse H. Davis, Baltimore, Md.
Application April 29, 1932, Serial No. 608,312
40 Claims. (Cl. 175—311)

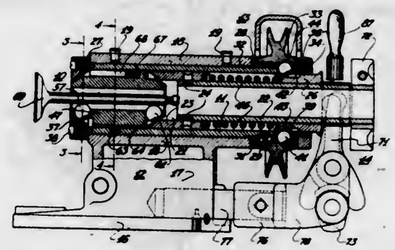


1. The method of dehumidifying and disinfecting grain which consists in subjecting the grain to the physical drying action of heat to evaporate the moisture therein, and simultaneously subjecting the grain to the action of high frequency electrical oscillations of a frequency rapidly destructive to insect life in the presence of moisture.

10. A high frequency electrical exterminator for destroying insect life in grain comprising a casing, curved electrodes in said casing forming a correspondingly shaped channel and high frequency electric field gap, and a generator of high frequency electrical oscillations connected to said electrodes.

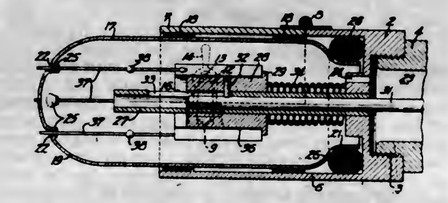
36. In combination, a standing wave vacuum tube generator of high frequency oscillations, a treatment device embodying a pair of parallel conductors forming between them a field space for reception of the material treated, means for admitting grain to and discharging the grain from the field space, and an output connection between the standing wave generator and treatment device for impressing the generated high frequency oscillations on said conductors.

2,040,601
CHUCK
Allen I. Dunn, Cedar Rapids, Iowa, assignor to Cedar Rapids Engineering Company, Cedar Rapids, Iowa, a corporation of Iowa
Application February 1, 1935, Serial No. 4,514
12 Claims. (Cl. 82—28)



1. In a chuck, a pedestal, a spindle rotatably mounted in the pedestal, a wedge on the end of the spindle, a floating wedge within the spindle, chuck balls adapted to be moved radially by the wedges for engaging the work, a control shaft within the spindle engaged to the wedge within the spindle, a clutch collar mounted on the control shaft, a drive pulley rotatably mounted on the spindle, clutch balls in the spindle beneath the drive pulley and the clutch collar having a wedge portion adapted to force the clutch balls outwardly to engage the drive pulley, a spring adapted to urge the floating wedge and clutch collar apart to cause the chuck balls to engage the work and the clutch balls to engage the pulley, and the control shaft being attached to the floating wedge and slidable within the clutch collar for withdrawing the floating wedge.

2,040,602
GLASS WORKING APPARATUS
William W. Eitel, San Bruno, Calif., assignor to Heintz & Kaufman, Ltd., San Francisco, Calif., a corporation of Nevada
Application April 17, 1934, Serial No. 720,939
1 Claim. (Cl. 49—2)



In glass working apparatus, a rotatable chuck comprising a plurality of relatively movable members adapted to frictionally engage and encircle a cylindrical glass blank having a single open end, means for securing said members against relative movement, means within said chuck for hermetically sealing the sides of said open end to said chuck, a mandrel axially mounted in said chuck for rotation therewith and adapted to support and position an element to be sealed to the closed end of said blank, said chuck being apertured to admit air under pressure to the interior of said blank through said open end, said mandrel being movable from without to facilitate the element seal without substantial loss of air pressure.

2,040,603
HAMMER FOR PERCUSSION MUSICAL INSTRUMENTS
William D. Gladstone, New York, N. Y.
Application May 25, 1935, Serial No. 23,422
3 Claims. (Cl. 84—422)



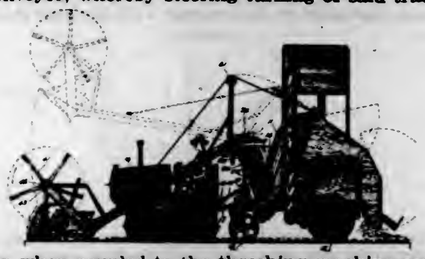
1. In a hammer adapted for use with percussion musical instruments in combination, a hollow resilient and flexible plastic composition handle and a hammer head carried by one end thereof.

2,040,604
METHOD OF MANUFACTURING LOW CARBON IRON AND STEEL ALLOYS
Herbert Gruber and Wilhelm Rohn, Hanau-on-the-Main, Germany, assignors to Heraeus-Vacuumschmelze, A. G., Hanau-on-the-Main, Germany, a company of Germany
No Drawing. Application September 7, 1934, Serial No. 743,157. In Germany October 9, 1931
10 Claims. (Cl. 75—12)

1. The method of decarburizing and deoxidizing iron alloys containing at least one of the stronger carbide forming elements which comprises melting said alloy, adding a metal oxide thereto in an amount in excess of that empirically necessary to react with the carbon content of the bath, heating the bath to elevated temperatures approximating 1800° C., turbulently stirring the bath, enclosing the surface of the bath from the atmosphere and circulating a hydrogen-containing reducing gas over the heated and turbulently stirred surface of the bath, said gas being substantially free from oxidizing gases and vapors, for a time interval adapted to effect the removal of the major part of the carbon from said alloy and thereafter heating the bath to a higher temperature approximating 2000° C. in an atmosphere of substantially pure dry hydrogen for a time interval adapted to effect a removal of the desired proportion of the remaining carbon and substantially all of the said oxygen content of said alloy.

2,040,605
THRESHING MACHINE
Arthur J. Harder, Chicago, Ill.
Application May 9, 1935, Serial No. 20,539
5 Claims. (Cl. 56—21)

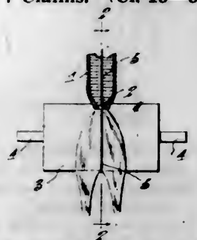
1. In an appliance of the character described, the combination of a threshing-machine, a combined substantially-horizontal grain-cutter and an upwardly rearwardly inclined endless-conveyor mounted at its upper rear end on the front portion of said threshing-machine for lateral turning and swinging of said cutter-conveyor with relation to said threshing-machine, means to connect a tractor, adapted to be coupled to the front of said threshing-machine, to said cutter-conveyor, whereby steering turning of said tractor when coupled to the threshing-machine correspondingly turns said cutter-conveyor, and means to operate said conveyor and cutter.



2,040,606
MANUFACTURE OF ARTIFICIAL SILK
Gustav Hardt, Elizabethton, Tenn., assignor to American Bemberg Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application October 4, 1932, Serial No. 636,180
4 Claims. (Cl. 106—40)

1. A cellulosic spinning solution for the manufacture of soft-lustre products comprising a substance selected from the group consisting of viscose and cuprammonium cellulose together with casein and a nitrocellulose lacquer.

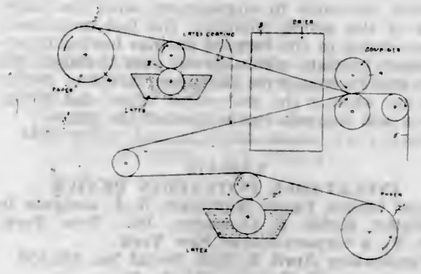
2,040,607
METHOD AND APPARATUS FOR THE MANUFACTURE OF ARTIFICIAL SILK
August Hartmann, Berlin-Lichterfelde, Germany, assignor to American Bemberg Corporation, New York, N. Y., a corporation of Delaware
Application April 7, 1934, Serial No. 719,555
In Germany April 13, 1933
7 Claims. (Cl. 18—8)



1. In a device of the character described, in combination, a spinning funnel wherein filaments pass downwardly through a flowing coagulating liquid, a guide plate positioned below the exit orifice of said funnel and adapted to extend into and at an angle of less than 90° to the path of flow of the coagulating fluid whereby the fluid is spread in a broad film and separation of the fluid from the threads takes place.

2,040,608
METHOD OF PRODUCING MOISTUREPROOF AND AIRTIGHT MATERIALS
Wilhelm J. H. Hinrichs, Hamburg, Germany
Application July 21, 1933, Serial No. 681,662
In Germany March 15, 1933
1 Claim. (Cl. 154—40)

A method of manufacturing a moisture-proof composite laminated material comprising at least two layers of sheet material, which comprises applying a coating of latex, which latex has been concentrated by centrifuging and purified by washing with ammonia water, to at least one

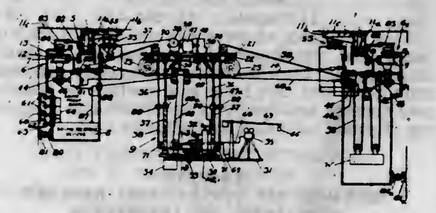


surface of each of said layers of sheet material, drying said coated surfaces and combining said layers so that a coated surface contacts some other coated surface.

2,040,609
BRIQUETTED FUEL AND PROCESS OF MAKING
Frank Holz, Lillian, Ala., assignor of one-half to Cosmo Vacca, Bristol, Conn.
No Drawing. Application March 13, 1930, Serial No. 435,644
10 Claims. (Cl. 44—15)

1. The process of briquetting comminuted coal or other carbonaceous material, which comprises mixing the comminuted carbonaceous material with a dilute aqueous solution of a sirup-forming organic material, cooking the mixture with agitation under conditions adapted to remove substantially all water from the solution and to leave a thin, sticky coating of the sirup-forming organic material over the particles of carbonaceous material, compacting the dehydrated mixture, and subjecting it to a heat treatment sufficient to carbonize the sirup-forming organic material.

2,040,610
CARRIER MOUNTING AND OPERATING MEANS
Julian Huddleston, Los Angeles, Calif.
Application July 3, 1934, Serial No. 733,549
4 Claims. (Cl. 104—98)



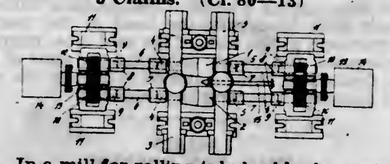
1. In an apparatus of the kind described, the combination, with a travelling overhead supporting means; of a carrier suspended from said means, telescopic connections between said means and carrier comprising rods and cylinders, cables to suspend said carrier from said means, and fair-leads through which said cables pass, said fair-leads being mounted upon said cylinders.

2,040,611
IMITATION GRASS MAT
George J. Kaderbeck, Hamburg, N. Y., assignor, by direct and mesne assignments, of one-half to Hamburg Floral Mfg. Co., Inc., Hamburg, N. Y., a corporation of New York, and one-half to The Joseph M. Stern Company, Cleveland, Ohio, a corporation of Ohio
Application September 19, 1933, Serial No. 690,119
22 Claims. (Cl. 112—9)



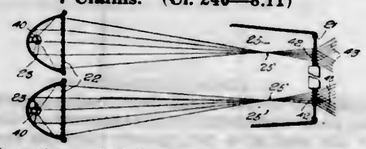
1. An imitation grass mat, comprising a flexible foundation, a layer of imitation grass material on said foundation to substantially cover the same, said imitation grass material having upwardly-directed free end portions, and a second layer of like material applied over said first layer and formed of rows of short lengths of material arranged to have the end portions of each row extending upwardly to simulate blades of grass and to have the end portions of adjoining rows in contact with each other to normally expose only the material of said second layer.

2,040,612
ROLLING MILL WITH INCLINED ROLLS
Fritz Kocks, Dusseldorf, Germany
Application August 5, 1933, Serial No. 683,871
In Germany February 2, 1933
3 Claims. (Cl. 80—13)



1. In a mill for rolling tubular blanks, a plurality of cross-rolls, means for supporting and means for driving said rolls arranged at both ends thereof, shafts connected with said rolls, gears mounted on said shafts at both ends thereof and gears mounted on said driving means adapted to mesh with and to drive said first gears.

2,040,613
LIGHT PROJECTOR
George Kuhn, Takoma Park, Md.
Application March 3, 1934, Serial No. 713,915
7 Claims. (Cl. 240—8.11)



1. A system of light distribution control comprising a beam generating unit including a reflector having the surface of a body of revolution of a conic section and having an optical axis and a focal point, an electric light bulb having a filament at said focal point, and a lens closure for

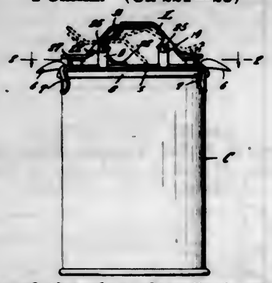
said reflector provided with prismatic formations, said reflector and lens closure being complementary to project a beam whose rays are laterally converged at an acute angle and crossed to form a locus in the plane of said optical axis in front of and at a distance from said lens closure; a light distributing unit disposed in the path of said beam and in the proximity of said locus, said distributing unit comprising a glass plate having sections of different optical characteristics, said bulb having a plurality of other filaments so spaced and so controllable that the beam is movable to shift the locus thereof whereby to pass the beam through different portions of said glass plate, the character of the beam beyond said glass plate being thereby modified.

2,040,614
MINER'S EYESHIELD
Joseph Lakovich, Louisville, Colo.
Application June 17, 1935, Serial No. 27,082
2 Claims. (Cl. 2—10)



1. In an eye shield of the character described comprising a substantially W-shaped frame provided with a mesh filler, a wire supporting member for the frame extending beyond each end of the said frame, a cross member disposed across the open side of the frame, said cross member being provided with a longitudinally extending flange one edge engaging the said mesh filler, the other edge having a longitudinal cephalic curve to permit snug fit against the head of the wearer, lug members at the ends of the said cross member overlapping and snugly engaging the ends of the said frame and being notched to permit the said wire members to extend therethrough.

2,040,615
MILK CAN OPENER
James Lyon, Lillooet, British Columbia, Canada
Application January 22, 1936, Serial No. 60,310
1 Claim. (Cl. 221—23)



A device of the class described comprising a plate, snap fasteners for engagement of the plate over the end of a can, prong conduits mounted in the plate adapted to pierce openings in the can, valve levers, ears rising from the plate, said valve levers in their intermediate portions being provided with ears, pins rockably mounting the ears of the levers on the ears of the plate, said levers, each being of a Z-shaped formation to provide intermediate portions from which said ears project and end portions, one end of each engaging over the prong conduits and the other ends being in overlapping position, and spring means associated with the valve levers normally holding the ends in engagement with the outer ends of the prong conduits, the last-mentioned means being in the form of springs having intermediate portions about pivot pins through the ears and having arms the upper arms of which impinge against the undermost upper end of the levers and the other arm against the plate.

2,040,616
INFLATABLE FLOTATION DEVICE
Daniel Mapes, Upper Montclair, N. J., assignor to Walter Kidde & Company, Inc., New York, N. Y., a corporation of New York
Application April 8, 1933, Serial No. 665,090
10 Claims. (Cl. 9—2)



6. A collapsible life-boat comprising an inflatable tubular rim member, a bottom forming member, means dividing the tubular rim member into a plurality of inflatable compartments, a source of inflating medium, a discharge chamber mounted on the wall of the tubular rim member so as to lie within the boat when inflated, means to release the inflating medium from said source into said discharge chamber, fluid conducting passages connecting said compartments to said discharge chamber, automatically operable means associated with each fluid conducting passage to prevent flow of the inflating medium from the compartments to the discharge chamber, a port in each said passage connecting each said passage with the atmosphere at a point between its respective compartment and associated automatically operable means, means associated with each said port normally preventing flow of the inflating medium to the atmosphere, and means operable from within the boat to render the last named means inoperative.

2,040,617
METHOD OF PRODUCING BRIGHT SURFACES ON ALUMINUM
Ralph B. Mason, New Kensington, and Martin Tosterud, Arnold, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application February 10, 1934, Serial No. 710,722
11 Claims. (Cl. 204—1)

1. A method of brightening aluminum surfaces and simultaneously producing thereon a transparent, colorless film, comprising removing impurities and dirt from said surface by treating said surface anodically in an electrolyte containing chromic acid and hydrofluoric acid.

2,040,618
METHOD OF PRODUCING BRIGHT SURFACES ON ALUMINUM
Ralph B. Mason, New Kensington, and Martin Tosterud, Arnold, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application February 10, 1934. Serial No. 710,723
16 Claims. (Cl. 204—1)

1. A method of brightening aluminum surfaces and simultaneously producing thereon a clear, transparent film, comprising removing dirt and impurities from said surface by subjecting said surface to an electrolytic treatment in a solution containing 1 to 60 per cent sulfuric acid by weight and hydrofluoric acid.

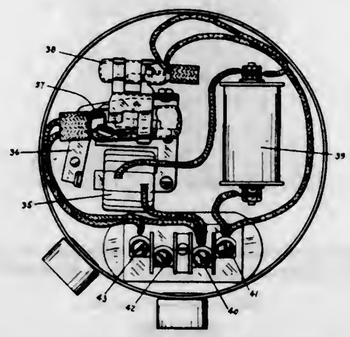
2,040,619
METHOD AND APPARATUS FOR OBTAINING FLUID SAMPLES FROM DRILLED WELLS
George A. Macready, Los Angeles, Calif.
Application July 30, 1934, Serial No. 737,607
8 Claims. (Cl. 166—1)



1. A method for obtaining samples from drilled wells with a single string of pipe which consists of lowering said pipe into a well, said pipe being closed against entry of fluid from the well during lowering, temporarily sealing the lower end of said pipe to the wall of the well above that portion of the well to be sampled so as to exclude fluid in the well above the seal from entering said pipe, opening the lower end of said pipe to admit a sample of fluid from below said seal into said pipe, there being a check valve in the lower end of said pipe closing said pipe against escape of said sample and trapping said sample inside said pipe, positioning an identifiable marker in said pipe adjacent the upper portion of said sample to identify the top of said sample, placing an obstruction in said pipe above the liquid portion of said sample to obstruct upward flow within said pipe, breaking the temporary seal, and pulling the string of pipe from the well with said sample entrapped therein to deliver said sample at the top of said well for inspection.

2,040,620
ELECTRICAL IGNITION DEVICE
Ira E. McCabe, Chicago, Ill.
Application June 15, 1931, Serial No. 544,516
2 Claims. (Cl. 175—115)

1. An electrical incandescent resistance igniter for fluid fuels, the resistance of which decreases as its temperature increases to produce a temperature therein far in excess of that required for ignition purposes under any constant external temperature, in combination in an electric circuit with means introducing additional resistance in the circuit to prevent short circuiting or destruction of the circuit, said means actuated by the increase in current flow as the resistance in the igniter decreases for automatically regulating and limiting the passage of current through the igniter to that sufficient to bring the igniter to operative condition and to maintain it operative irrespective of external temperature changes, said means including a resistance element, a normally closed switch in said circuit for shunting said element, and an electro-magnet in said circuit for opening said switch energized by the increase of current flow when the igniter becomes operative.



2,040,621
METHOD OF AND APPARATUS FOR APPLYING INSERTS
William J. McCallum, Islington, Ontario, Canada
Application January 4, 1934, Serial No. 705,257
In Canada January 2, 1934
6 Claims. (Cl. 78—82)

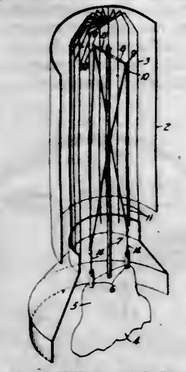


1. Apparatus for applying an insert in the bore of a piece of work comprising a housing adapted to receive the work so that molten insert material of extraordinary resistance to wear may be applied to the bore; means for securing the work in the housing; a reciprocable tool holder having a rearwardly extending rod; a guide for the rod; an open frame including two spaced apart members for securing the guide to the housing, the frame members having guide-ways formed therein; rollers carried by the holder and running in the guide-ways; and a tool carried by the holder for passage through the bore.

2,040,622
FILAMENT MOUNTING
Jack McCullough, San Bruno, Calif., assignor to Heintz & Kaufman, Ltd., San Francisco, Calif., a corporation of Nevada
Application June 27, 1934, Serial No. 732,642
3 Claims. (Cl. 250—27.5)

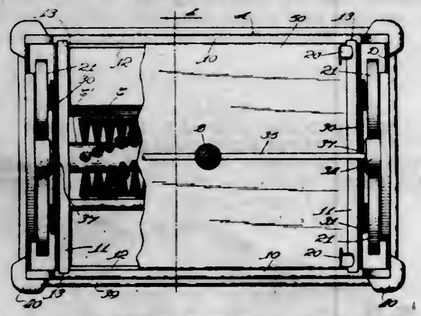
1. A thermionic tube having an envelope containing a V-shaped filament heatable to produce electrons, a current supply lead sealed through said envelope and a connecting link between said

lead and the apex of said V, said link being heated



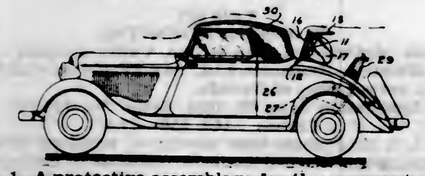
by the current energizing said filament to a temperature approaching that of said filament.

2,040,623
CARPET SWEEPER
Marcella U. Morgan, Streator, Ill.
Application December 17, 1934, Serial No. 757,948
3 Claims. (Cl. 15—41)



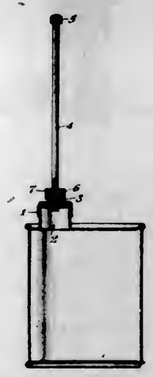
1. A transmission unit for a carpet sweeper, comprising: spaced plates with two pairs of oppositely arranged upwardly and inwardly inclined slots; a short shaft with its ends slidably mounted in each pair of said slots; a pair of floor wheels between said plates and journaled on said shafts; a brush driving disc between said wheels and in frictional engagement therewith, said frictional engagement adapted to be increased by upward movement of said shafts in said slots due to said upward and inward inclination of said slots; and spring means yieldingly urging said shafts downwardly.

2,040,624
VEHICLE WIND DEFLECTOR
Willard L. Morrison, Lake Forest, Ill.
Application April 19, 1934, Serial No. 721,337
16 Claims. (Cl. 296—85)



1. A protective assemblage for the occupants of an open vehicle seat, comprising, a pair of laterally spaced side wings swingable independently of each other about upwardly extending pivots disposed forwardly of the seat, said wings and their pivots being simultaneously downwardly movable, and front and top shields independently swingable in the space between the wing pivots about a common horizontal axis disposed near the upper forward ends of the wings when elevated for controlling the rear and down draft at the seat.

2,040,625
CONTAINER FOR LUBRICATING OIL
Wayne Vernon Myers, London, England
Application July 2, 1935, Serial No. 29,464
In Great Britain July 12, 1934
3 Claims. (Cl. 221—27)



1. In combination, a container for oil or the like having a threaded outlet, a closure member for such outlet having threads adapted to engage with the threads of the outlet, a hollow nipple forming part of such closure member having an externally threaded portion extending outwardly, a discharge tube slidably mounted in said nipple, a cap nut engaging the external threads of said nipple and also surrounding said discharge tube, and a packing between the outer end of the nipple and the cap nut such that by tightening the cap nut the discharge tube may be held substantially leak-proof in any desired position.

2,040,626
AMINOBUTANE-DISULPHONIC ACIDS AND ALKYL-SUBSTITUTION PRODUCTS THEREOF AND A PROCESS OF PREPARING THEM
Otto Nicodemus and Walter Schmidt, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application September 15, 1934, Serial No. 744,262. In Germany September 20, 1933
7 Claims. (Cl. 260—127)

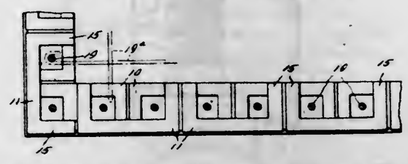
1. The process which comprises heating in an autoclave a compound of the group consisting of alkali metal salts of butene-disulphonic acids and alkyl substitution products thereof together with a compound of the general formula:



wherein Y and Y_1 stand for hydrogen or alkyl

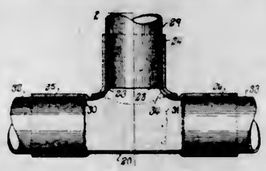
radicals at a temperature between about 100° C. and about 300° C. and under a pressure of about 10 to about 50 atmospheres.

2,040,627
BRICK VENEER
Eugene H. Pettler, Beaver Falls, Pa.
Application March 20, 1933, Serial No. 661,847
4 Claims. (Cl. 72—39)



1. A wall structure comprising superimposed courses of bricks, each alternate course consisting wholly of brick having substantially rectangular bodies provided with spaced openings therethrough, and each intermediate course consisting wholly of a plurality of bricks each of which is of substantially U-shape, with the brick of the intermediate courses arranged to break joint with the bricks of the first named courses, whereby the spaced openings of the bricks of superimposed alternate courses are in alignment and in communication, and re-inforcing material extending vertically through the openings in the alternate courses.

2,040,628
BRANCH-FITTING AND METHOD OF MAKING
Adolph C. Recker, Watertown, Conn., assignor to The Chase Companies, Incorporated, Waterbury, Conn., a corporation
Application August 3, 1934, Serial No. 738,244
8 Claims. (Cl. 29—157)

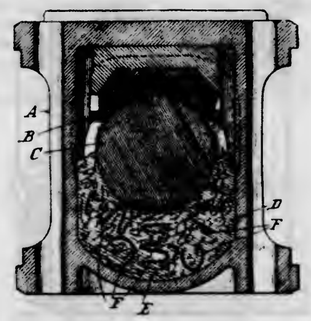


1. A non-ferrous metal branch-fitting having tube-engaging, line and branch portions and produced in unfinished form from a number of parts joined together by the aid of heat, said tube-engaging portions being finish-formed by cold working for the purpose of hardening the same.

5. The method of making a non-ferrous metal branch-fitting having tube-engaging, line and branch portions, comprising: producing said branch-fitting in unfinished form by joining a number of parts together by the aid of heat, and then finish-forming said tube-engaging portions by cold working.

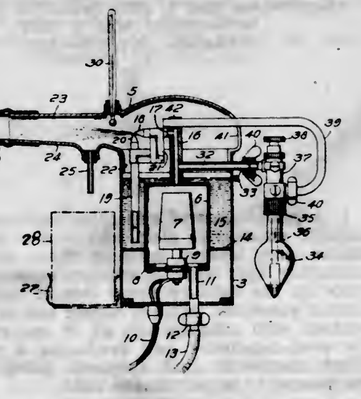
2,040,629
SPRING PACKING FOR JOURNAL BOXES
Charles T. Ripley, Wilmette, Ill.
Application December 21, 1934, Serial No. 758,539
4 Claims. (Cl. 308—243)

1. A packing material for journal boxes or the like, comprising a mass of lubricant-absorbing material, and a plurality of metallic springs interwoven therewith, each spring being in the form of a continuous length of spring wire coiled alter-



nately in opposite directions about a central longitudinal axis.

2,040,630
VAPORIZATION APPARATUS
Ernst Silten, Berlin, Germany
Application September 1, 1934, Serial No. 742,432
8 Claims. (Cl. 128—173)

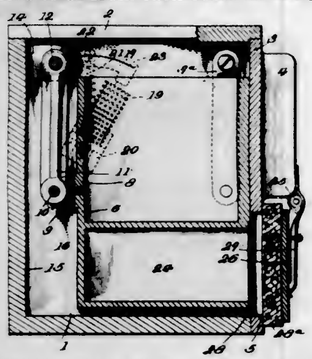


1. Atomizing apparatus comprising a container for liquid, a shell constituting an internal wall of said container, said shell being below the liquid level in said container, an electric heater within said shell, an inlet and an outlet for air in said shell so positioned as to cause air to directly contact with said heater, an atomizing nozzle communicating with said outlet and an exit tube for atomized liquid surrounding said nozzle.

2,040,631
MEANS FOR CONTROLLING SOLID CO_2 FOR REFRIGERATION PURPOSES
Walten B. Robe, Towson, Md., assignor, by mesne assignments, to William Burnet Wright, Baltimore, Md.
Application February 3, 1933, Serial No. 655,134
21 Claims. (Cl. 62—91.5)

1. An apparatus of the character described, comprising an outer container, an inner container adapted to hold solid carbon dioxide and having a space between the containers for receiving the carbon dioxide vapor, means for causing two of the opposed walls of the inner and outer contain-

ers to move to or from each other for varying the



space between the walls for causing the transfer of heat from the outer to the inner container.

2,040,632

PHOTOELECTRIC GENERATOR

Walter Schottky, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany

Application May 1, 1929, Serial No. 359,704
In Germany May 2, 1928
3 Claims. (Cl. 136—89)



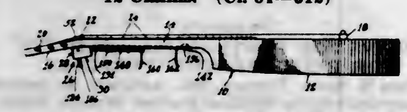
1. A photo-electric generator comprising two metallic conductive electrodes and a semi-conductor layer located between them, said semi-conductor layer being of cuprous oxide, the electrode on the light receiving side of said photo-electric generator being of copper and in intimate contact with substantially all of one surface of the semi-conductor and producing a rectifying effect therewith, said electrode being of such thinness as to be pervious to light.

2,040,633

ATTACHMENT FOR MUSICAL INSTRUMENTS

E. Fred Schulz, Forest Park, Ill., assignor to Arthur R. Harmon, La Grange, Ill., and Kenneth H. Clark, Villa Park, Ill.

Application June 10, 1933, Serial No. 675,194
Renewed October 5, 1935
12 Claims. (Cl. 84—312)



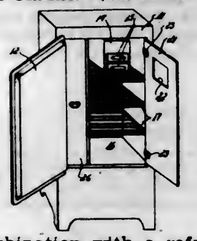
1. A device adapted to be attached to a guitar for varying the tone of a string thereof comprising a support adapted to be secured to the lower side of the neck of the guitar, a reciprocatory member carried by said support and adapted to extend through the neck into contact with said string, and leg operable means for actuating said member vertically for varying the tension of said string during the playing of the guitar.

2,040,634

REFRIGERATING APPARATUS

Charles Joseph Sekyra, Troy, Ohio, assignor of one-half to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan

Application September 10, 1934, Serial No. 743,336
8 Claims. (Cl. 62—89)



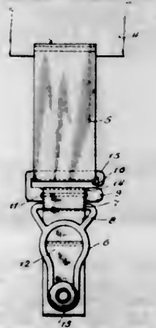
1. The combination with a refrigerator comprising a heat insulating cabinet open at one side, a heat insulating door for closing the open side of said cabinet, a cooling unit mounted in the storage compartment enclosed by said cabinet to cool said compartment and a freezing chamber associated therewith adjacent said door, of a removable shield disposed in the open side of said cabinet adjacent said door to close the open area around said freezing chamber whereby the cold air is retained in the storage compartment when the door is opened to enter the freezing chamber.

2,040,635

GARTER

Adolph J. Sobel, Brooklyn, N. Y.

Original application July 22, 1935, Serial No. 32,501. Divided and this application November 8, 1935, Serial No. 48,824
2 Claims. (Cl. 24—245)



1. In a garter, a stocking-attaching means including a loop member and a looped button-carrying tab, a connecting element having a slot with an open end for receiving one end of a strip adapted for attachment to a garment and for also receiving one of the ends of said looped tab, said connecting element further having a second slot, and a link engaging in said second slot and connected to said loop member.

2,040,636

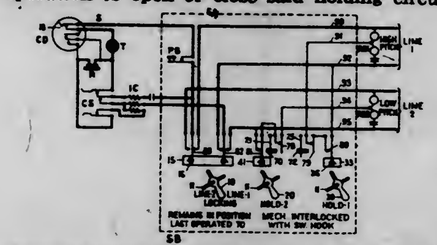
TELEPHONE SYSTEM

John H. Voss, Downers Grove, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application November 19, 1934, Serial No. 753,603
5 Claims. (Cl. 179—39)

1. In a telephone system, a substation, a first and a second line terminating in said substation, a holding circuit for each of said lines in said

substation, holding means individual to each line for closing and opening said holding circuits, a supporting member in said substation, a receiver in said substation adapted to rest on said supporting member when not in use, means for rendering said holding means effective for manual operation to open or close said holding circuits



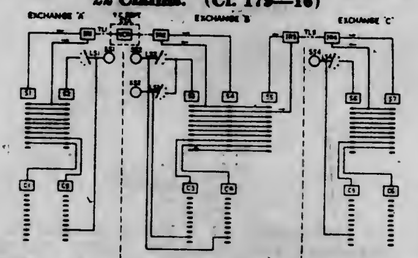
responsive to the receiver being removed from the supporting member, said last means restoring any operated holding means to open the corresponding holding circuit and for disabling said holding means against manual operation responsive to the receiver being replaced on said supporting member.

2,040,637

TELEPHONE SYSTEM

John Wicks, Oak Park, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Application November 7, 1934, Serial No. 751,805
22 Claims. (Cl. 179—16)



1. In a multi-exchange telephone system, a trunk line interconnecting two exchanges and having two normally disconnected braches in one exchange, one branch leading to an automatic switch operable to extend connections from the trunk line, the other branch extending to the trunk line from automatic switching apparatus operable to extend the connection to the trunk line, means associated with the trunk line and operable when the trunk line is seized in the distant exchange for connecting the first-named branch to the trunk line and for preventing seizure of the second branch of the trunk line, and means effective when the second branch of the trunk line is taken for use pursuant to completing a connection therethrough to the trunk line for connecting such branch to the trunk line and for preventing subsequent operation of the means for connecting the first-named branch to the trunk line.

2,040,638

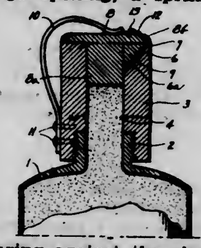
CLOSURE CAP FOR DISPENSING TUBES AND THE LIKE

Broussais C. Beck, Seattle, Wash.

Application December 24, 1934, Serial No. 759,054
5 Claims. (Cl. 221—60)

1. The combination with a collapsable container having a discharge neck, of a cap applied

to said neck and having a slot therein across its outer face and having a discharge opening from the neck leading to said slot and having a lateral discharge channel from said discharge opening extending along the slot to one end thereof, a closure member disposed in the said slot and having a plug portion extended therefrom into said discharge opening, a spring fixed to the



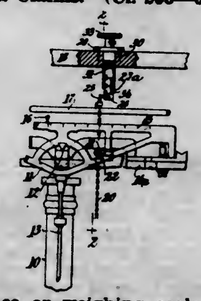
cap and bearing against the closure to hold it yieldingly in closed position and permitting outward movement thereof, incident to compression of the contents to a position at which said plug uncovers the entrance to the lateral discharge channel.

2,040,639

BALANCE OR WEIGHING SCALE

Christopher A. Becker, Nutley, N. J., assignor to The Torsion Balance Company, New York, N. Y., a corporation of New York

Application January 4, 1935, Serial No. 346
2 Claims. (Cl. 265—60)



1. A balance or weighing scale comprising a stand, a graduated balance beam mounted on said stand, a rider movable along said beam, an enclosing case, a rider rod extending through said case for adjusting the rider on the beam, a movable member within the case and supported thereby, and a chain supported at one end by the beam and at its other end by the movable member for adjusting the equilibrium of the balances before commencing weighing operations, said movable member having means extending through and operable from the exterior of the case for moving the movable member for varying the amount of chain supported by the beam.

2,040,640

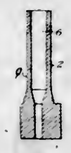
HOLLOW TURBINE BLADE

Frederick Gordon Hay Bedford and Claude Dixon Gibb, Newcastle-on-Tyne, England, assignors to C. A. Parsons and Company, Limited, Newcastle-on-Tyne, England

Original application October 27, 1932, Serial No. 639,756. Divided and this application February 25, 1935, Serial No. 8,016. In Great Britain March 24, 1932
1 Claim. (Cl. 253—77)

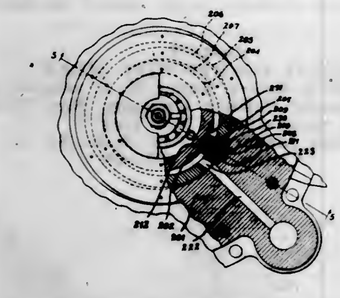
A hollow seamless turbine blade having an integral root-block in which the hollow is partly

in the blade proper and partly in the root-block



and changes its cross-section abruptly at the point of transition.

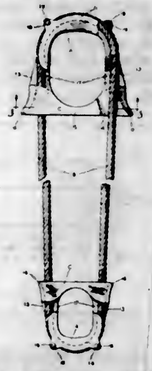
2,040,641
REFRIGERATION
John D. Bingham, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application December 23, 1932, Serial No. 648,695
8 Claims. (Cl. 230—147)



1. A compressor comprising an outer stationary cylinder having an internal working face and a vertical axis, an inner stationary cylinder having an external working face coaxial with said internal working face, end plates joining said cylinders, an annular piston having external and internal cylindrical working faces cooperating with the working faces of said cylinders, means for imparting a circular motion to the axis of said piston about the common axis of said cylinders, a radially disposed slot in said piston, a divider block in said slot, a fixed pin about which said divider block oscillates, said cylinders and divider block having cooperating sealing arcuate surfaces coaxial with said fixed pin, a sealed casing enclosing the foregoing elements and containing a body of lubricant, and means for maintaining a portion of said body of lubricant over said cylinders.

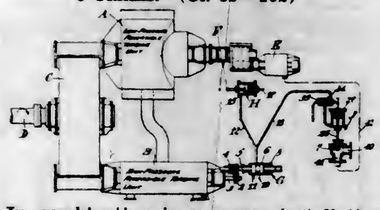
2,040,642
ROPE THIMBLE
George Thomas Browne, Trenton, N. J., assignor to John A. Roebling's Sons Company, New York, N. Y., a corporation of New York
Application September 21, 1934, Serial No. 744,938
4 Claims. (Cl. 114—115)

1. A wire rope thimble having a suspension ring open at its lower end, a continuous loop-enclosing rope-retaining ring below the suspension ring, and supporting means on one side of said suspension ring connected to the rope-retaining ring and supporting the latter, the upper edge of said retaining ring being spaced from the suspension ring on the side opposite the support to permit



the lateral passage of a rope loop passed through the rope-retaining ring.

2,040,643
POWER INSTALLATION
Stanley Smith Cook and Louis Mortimer Douglas, Turbinia Works, Wallsend-on-Tyne, England, assignors to The Parsons Marine Steam Turbine Company, Limited, Wallsend-on-Tyne, England
Application April 28, 1934, Serial No. 722,982
In Great Britain April 29, 1933
8 Claims. (Cl. 60—102)

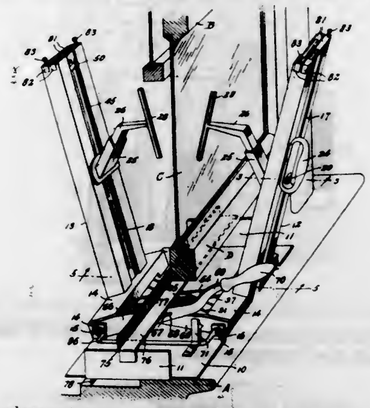


1. In combination in a power installation, a driven element and means for driving said element, said driving means including a reversible power unit and a non-reversible supplementary power unit, said units having independent supplies of working medium, and including also a mechanical one-way-drive clutch associated with said supplementary unit, together with automatic means responsive to the starting movement of said reversible unit in the reverse direction for disengaging said clutch.

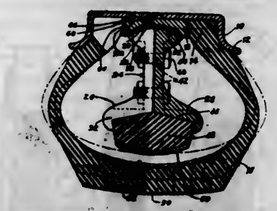
2,040,644
WINDOW CLEANING DEVICE
Augusto Conty, Fairview, N. J.
Application May 3, 1934, Serial No. 723,625
7 Claims. (Cl. 15—252)

1. A window cleaning device including a base adapted to be supported by a window sill, a pair of spaced standards movably carried by the base and adapted to be disposed respectively on opposite sides of the window sash, means for locking said standards in a vertical position against movement with reference to the base when the device is in active use, a pair of cleaning elements, one for the inner surface and the other for the outer surface of the window pane, a support for each cleaning element respectively mounted on the standards for guided linear and rotatory movements on axes perpendicular to and with reference

to the standards, a manipulating handle connected to the support for the inner cleaning element, and means of connection between the cleaning element supports for causing the same to be moved in unison by and upon manipulation of the handle.



2,040,645
NONCOLLAPSIBLE TIRE
Fredrick S. Dickinson, New York, N. Y.
Application July 27, 1934, Serial No. 737,195
13 Claims. (Cl. 152—10)



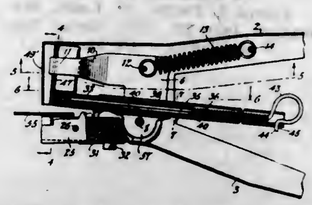
1. The combination with a rim and a pneumatic tire therefor, of a bearing ring on said rim, said ring having a bearing surface thereon, an annular rib revolvably supported with respect to said ring, said rib having a bearing surface thereon in contact with said first mentioned bearing surface, said rib extending into said tire toward the outer periphery thereof.

2,040,646
INDICATING DEVICE
Charles J. Erickson, Lake Zurich, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application April 11, 1934, Serial No. 720,030
12 Claims. (Cl. 179—90)



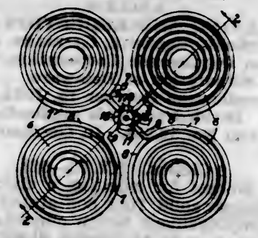
1. In an indicating mechanism, an assembly of disks, a shaft on which said disks are arranged to rotate, a spring for rotating said disks on said shaft, means normally holding said disks in light frictional engagement with each other, means for rotating said shaft and assembly as a unit, means for preventing the rotation of one of said disks during such rotation and for holding a different one during each subsequent rotation until all have had their positions on said shaft modified to indicate the respective distances of movement of said shaft, and means for removing the influence of said first means from said disks to enable their restoration by said spring.

2,040,647
STAPLING MACHINE
George J. Fodor, South Norwalk, Conn.
Application April 27, 1935, Serial No. 18,620
6 Claims. (Cl. 1—49)



1. A stapling machine of the character described, comprising a casing provided with a handle, a second handle pivotally mounted on said casing and cooperating with the first-mentioned handle, said second-mentioned handle having an extension acting as a power lever, a staple carrier mounted to swing on the pivotal mounting of said second-mentioned lever, said carrier being provided with a head having a slot, means mounted in the carrier for forcing a staple from the carrier into the space opposite said slot, a sliding plunger carried by said head, said plunger coacting with said power lever whereby when the power lever is moved by said second-mentioned handle in one direction the plunger will move a staple through said slot, means carried by said casing presenting a pair of inclined anvils against which the prongs of said staple are adapted to be pressed, and a clinching lever actuated by said staple carrier for clinching the prongs of said staple after they have been deflected by said anvils.

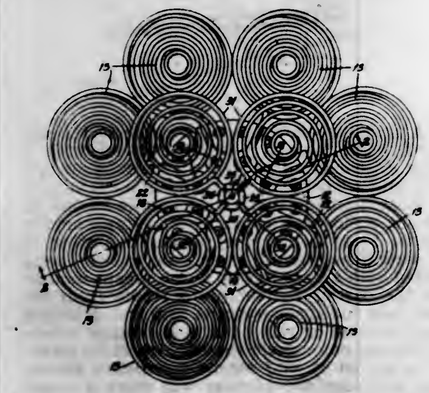
2,040,648
EGG HOLDER
James A. Fortes, St. Louis, Mo.
Application May 24, 1935, Serial No. 23,149
11 Claims. (Cl. 53—1)



11. An egg holder for use in boiling eggs comprising a central tubular support provided with equidistant slots in its upper end, a washer fixed on the inside of the same and snugly engaging the wall of the support, a plug fitted snugly within said support, mounted on said washer and provided around its periphery with a series of

vertical grooves coinciding with the slots of said support, a handle member fixedly secured in said plug and projecting a considerable distance above the same, a series of coiled wire baskets each of which has the wire of its upper coil extended to provide a radial arm fitted in one of said slots and provided with a downward extension fitted in a groove of said plug, the sections of the tubular support between said slots being turned inward to firmly engage about and over said radial arms and to force said plug downward into firm fixed relation with said washer, and a cover plate secured on said handle member in engagement with said radial arms.

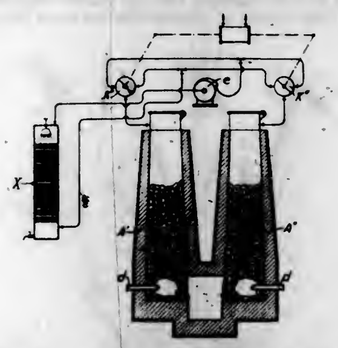
2,040,649
EGG HOLDER
James A. Fortes, St. Louis, Mo.
Application July 20, 1935, Serial No. 32,334
10 Claims. (Cl. 53—1)



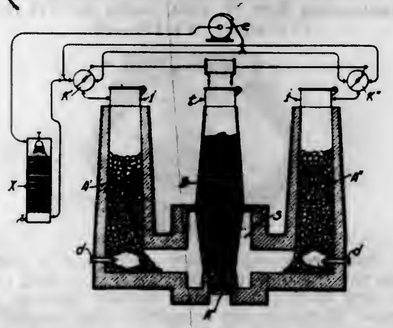
6. An egg holder comprising upper and lower central securing members, two superposed series of circular wire baskets fixedly secured, respectively, to said securing members in stationary relation to each other, the vertical centers of the lower series of baskets extending beyond the confines to the upper series, and a handle member secured to the central securing means and projecting above the uppermost series of baskets.

2,040,650
ORE SMELTING AND REDUCTION PROCESS
Mathias Fränkl, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y., a corporation of Delaware
Original application October 14, 1931, Serial No. 568,710. Divided and this application July 19, 1935, Serial No. 32,354. In Germany February 4, 1931
2 Claims. (Cl. 75—92)

1. In a process for smelting a charge of material utilizing solid fuel containing regenerators, the improvement which consists in charging the materials to be treated directly into the regenerators whereby the use of a separate furnace charged with material is obviated, and smelting by means of heat generated by combustion of contained fuel in one regenerator, the gas so produced being then conducted through a second regenerator in which charged material is smelted and contained fuel preheated, and alternately and periodically reversing the flow of gases through the regenerators.



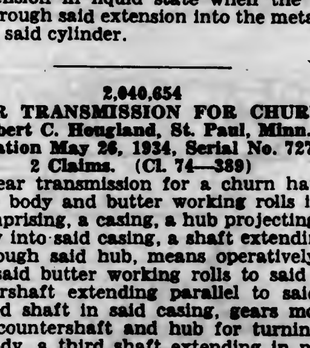
2,040,651
ORE SMELTING AND REDUCTION PROCESS
Mathias Fränkl, Augsburg, Germany, assignor to American Oxythermic Corporation, New York, N. Y., a corporation of Delaware
Application July 19, 1935, Serial No. 32,355
In Germany February 4, 1931
19 Claims. (Cl. 75—92)



1. A process for the operation of shaft smelting furnaces containing a charge of material which comprises introducing a reducing heating gas into the smelting zone, and effecting a sintering of the charged material above the smelting zone by introducing thereinto a less highly heated gas whereby a self-supporting cohesive charge is formed.

2,040,652
VARIABLE COMPRESSION SYSTEM FOR INTERNAL COMBUSTION ENGINES
John P. Gaty, New York, N. Y.
Application March 1, 1933, Serial No. 659,058
16 Claims. (Cl. 123—48)

4. A variable compression system for multicylinder internal combustion engines, comprising in combination with the cylinders of a multicylinder internal combustion engine, liquid actuated displacement devices for the individual cylinders of the engine, an integrating clearance volume determining device and connections between the latter and the individual displacement devices including means enabling self-adjustment of the cylinder displacement devices independently of each other, but subject to the general control of the integrating clearance volume adjusting device.



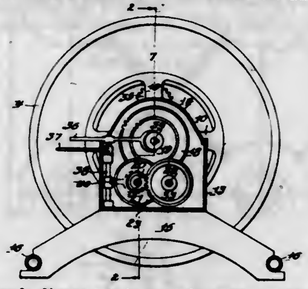
2,040,653
UPRIGHT EXTRUDING PRESS
Ferdinand Hanff, Berlin-Charlottenburg, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Application June 20, 1932, Serial No. 618,212
In Germany June 27, 1931
8 Claims. (Cl. 207—9)



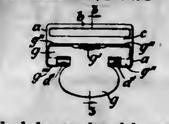
1. An extruding press for producing tubular sheaths or the like of lead or similar plastic materials, having an upright cylinder to be filled with liquid lead to be extruded and a piston tightly fitted into said cylinder for expelling the metal at the lower end thereof, said cylinder having an extension traversed by the piston on its extrusion stroke, and being located at the upper cylinder end and tapering toward said cylinder and forming a container for holding an excess amount of metal to be supplied when filling the cylinder, so as to permit the contents in said extension to form a lost head for the cylinder metal, containing the dross and being displaceable from said extension in liquid state when the piston passes through said extension into the metal contained in said cylinder.

2,040,654
GEAR TRANSMISSION FOR CHURNS
Albert C. Hougland, St. Paul, Minn.
Application May 26, 1934, Serial No. 727,743
2 Claims. (Cl. 74—389)

1. A gear transmission for a churn having a revoluble body and butter working rolls in said body comprising, a casing, a hub projecting from said body into said casing, a shaft extending axially through said hub, means operatively connecting said butter working rolls to said shaft, a countershaft extending parallel to said first mentioned shaft in said casing, gears mounted on said countershaft and hub for turning said churn body, a third shaft extending in parallel relation to said countershaft in said casing, means operatively connecting said third shaft to said gears on said countershaft, a pinion and gear revoluble independently of said first mentioned gears on said countershaft and connected together for rotation in unison, a gear slidable longitudinally on said third shaft and arranged to mesh with said pinion, a power shaft projecting from said casing in axial alignment with said third shaft, a second pinion fixed on said power shaft and disposed in mesh with said gear on said countershaft, means for directly connecting said power shaft to said third shaft and means in said casing for driving said first shaft counter to said third shaft.



2,040,655
LEVER BUCKLE OR SLIDE
Roland Thomas Jackson, Market Harborough, England, assignor to R. & W. H. Symington & Company Limited, Market Harborough, England, a company of England
Application September 8, 1934, Serial No. 743,168
In Great Britain September 19, 1933
4 Claims. (Cl. 24—184)

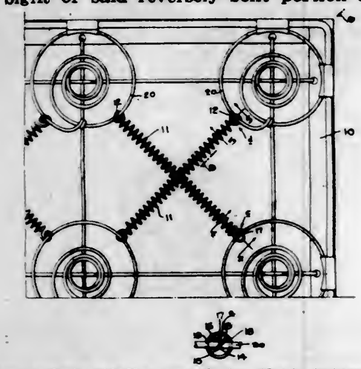


1. A concealed lever buckle comprising an integrally formed three-bar frame structure and a lever device angularly movable on the bottom bar of the frame and having the effective edge formed with a central portion having an inwardly curved edge in co-operative relation with the bottom edge of the middle bar of the frame structure, elastic webbing attached to the top bar of the frame structure and extended downward therefrom behind the frame and angularly movable lever device into loop formation and connection with the desired appendage, whence the said elastic webbing is passed upward in front of the said lever device, then between the said effective edge of the lever device including the inwardly curved central portion thereof and the co-operating lower edge of the middle bar of the frame structure, behind the said middle bar and thence upwardly in front of the top bar of the frame structure and of the end of the webbing attached to the said top bar.

2,040,656
SPRING CONSTRUCTION
Jacob Kirstein, Philadelphia, Pa., assignor to Bunting Glider Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 6, 1934, Serial No. 751,681
5 Claims. (Cl. 5—269)

1. A coil spring of the character described wherein the endmost convolution is deformed from its normal shape to provide a reversely bent portion terminating in an open loop lying in a plane inclined with respect to the coil axis, the

free terminal end of said loop being spaced from the bight of said reversely bent portion a dis-



tance substantially equal to that intervening between the bight of said open loop and the endmost normal convolution of the coil spring.

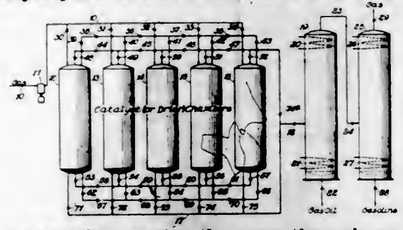
2,040,657
CORSET AND THE LIKE
Waldemar Kops and Stanley D. Kops, New York, N. Y., assignors to Kops Brothers, Inc., New York, N. Y., a corporation of New York
Application April 3, 1933, Serial No. 664,053
5 Claims. (Cl. 139—421)



1. A garment of the class described formed of a seamless tubular member having elastic warps and a continuous elastic weft, said garment being capable of stretching simultaneously to a substantial extent both longitudinally and transversely, a section of said garment adjacent the waist line of the wearer having elastic threads extending both longitudinally and transversely of the garment but being stretchable in one direction only, inelastic threads extending in the other direction in said section and being extensible to full length without tensioning the elastic threads in the same direction.

2,040,658
CATALYTIC PROCESS
Ward E. Kuentzel, Whiting, Ind., and Theodore A. Geissman, Minneapolis, Minn., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application November 8, 1934, Serial No. 752,066
4 Claims. (Cl. 196—10)

4. In a process for the polymerization of unsaturated olefin containing gases to liquid products in the presence of a catalyst comprising a metallic halide capable of absorbing moisture and subject to deterioration thereby, the steps of passing said unsaturated gases through a body of said catalyst which has lost substantially all of its catalytic power to remove moisture from said gases



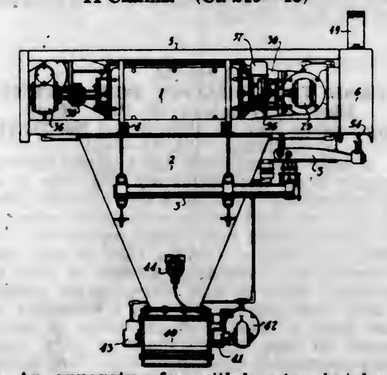
and thereafter passing the gases through an active body of catalyst to effect polymerization thereof.

2,040,659
DUST BOUNCER FOR MOPS AND THE LIKE
George S. Leiner, New Rochelle, and Charles A. Bernstein, New York, N. Y.
Application May 24, 1934, Serial No. 727,214
1 Claim. (Cl. 15—246)



A device of the class described adapted to be mounted on the handle of a mop or the like and adapted to serve as a resilient "bouncer" when the handle of the mop is struck against a rigid support to shake the dust therefrom, comprising a solid rubber ball having a central axial channel passing therethrough, the ends of said channel being rounded to provide mouths thereon, the diameter of said channel being slightly less than that of said handle, said ball being mounted on said handle by passing the latter through said channel, the resilience of said ball causing said mass to be snugly and releasably mounted on said handle.

2,040,660
FEEDING AND BATCHING APPARATUS
Herbert S. Lenhart, Allentown, Pa., assignor to Fuller Company, Catasauqua, Pa., a corporation of Delaware
Application May 14, 1935, Serial No. 21,335
11 Claims. (Cl. 249—45)

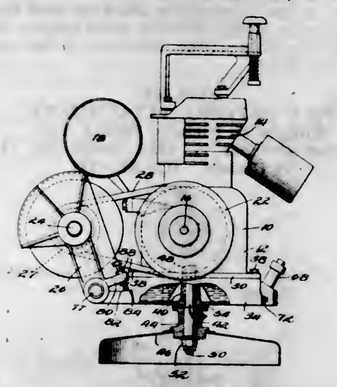


1. An apparatus for withdrawing batches of pre-determined weight of bulk materials from a storage bin comprising the combination of a scale, a batch hopper supported by elements thereof, the hopper being provided with a discharge gate, means for withdrawing materials at a uniform rate and depositing them in the hopper including a casing having inlet and discharge ports, a mechanical feeder within the casing, a motor for driving the feeder, electrically actuated gate members closing the inlet and discharge ports of the casing, electrically actuated means for driving said members, control circuits for the motor and said electrically actuated means including switch means movable to closed position by an element of the hopper discharge gate when the latter closes to energize the motor and gate actuating means to drive the feeder and open the gate members.

2,040,661
METHOD OF IMPROVING AND AGING DISTILLED ALCOHOLIC BEVERAGES
Alfred J. Liebmann, New York, N. Y.
No Drawing. Application February 19, 1934, Serial No. 711,991
2 Claims. (Cl. 202—78)

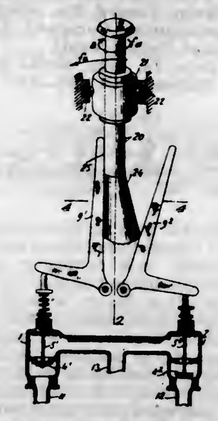
1. A method of improving and aging a distilled alcoholic beverage which contains ethyl alcohol and an additional ingredient which is more readily oxidized than the ethyl alcohol, which comprises causing hydrogen peroxide to decompose in said beverage so as to produce nascent oxygen, and subjecting the beverage to the action of said nascent oxygen so as to oxidize said ingredient and without substantially oxidizing the ethyl alcohol, said beverage being subjected to a pressure of at least substantially two atmospheres above normal atmospheric pressure throughout said oxidation.

2,040,662
MOTOR BASE
Arthur William Mall, Chicago, Ill.
Application April 25, 1935, Serial No. 18,270
7 Claims. (Cl. 248—23)



1. Apparatus of the class described comprising a portable gasoline engine having an open-ended crank-case, an open-ended motor base adapted to be fastened under said crank-case, said motor base having an oil reservoir therein, a vertical journal mounted in the bottom wall of said motor base, a stationary support base and means connecting said motor base and said support base whereby said motor base may be rotated thereon, said means including a swivel member connecting said support base and said motor base and extended through said vertical journal.

2,040,663
INSTALLATION FOR MIXING TWO FLUIDS
Charles Mallet and Henri Charles Couetoux, Paris, France, assignors to Etablissements Jacob Delafon Compagnie Ceramique de Pouilly-sur-Saone et Belvoye, Paris, France, a company of France
Application September 25, 1934, Serial No. 745,385
In France October 11, 1933
1 Claim. (Cl. 277—18)



In an installation for mixing two fluids, a first obturator controlling the outflow of a first fluid, a second obturator controlling the outflow of the second fluid, a control lever mounted to rotate about its axis and about a perpendicular axis, a cam carried directly by this lever and means engaging said cam for controlling the two obturators.

2,040,664
PORTABLE COLD BEER DISPENSER
Charles O. Marx, Baldwin, N. Y.
Application February 13, 1935, Serial No. 6,295
7 Claims. (Cl. 225—16)



1. In a portable cold beer and beverage dispenser, a vertical pipe for extending into the beer of a beer barrel for the discharge of the beer, a cooling and dispensing device on top of said vertical pipe and connected therewith, an air pump attached on said cooling and dispensing device and extending through the bottom thereof and connected with a stationary hollow bracket beneath the said cooling and dispensing device

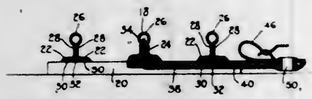
formed with an air outlet, a hollow plug for engaging into the bung hole of the top of a beer barrel and adjustably fixed coaxially on said pipe and having an air inlet near the top and a discharge at the bottom around said pipe into said barrel, and a hose connecting said air outlet and air inlet.

2,040,665

CONNECTER FOR TOY RAILROAD TRACKS

Edward E. McKeige, Girard, Pa., assignor to The Girard Manufacturing Company, Girard, Pa., a corporation of Pennsylvania

Application June 24, 1935, Serial No. 28,083
10 Claims. (Cl. 238—10)



1. A connecter for making detachable electrical connection to a conventional sheet metal rail in a toy railroad track, said connecter including a short, thin, upright blade adapted to be inserted upwardly in the slit or fissure between the downwardly bent sheet metal sides of the rail and be resiliently gripped thereby, an extension on said strip bent sidewardly to underlie the track, means affording electrical connection to the end of said strip outside the track, and insulation means for insulating the sideward extension from other rails of the track.

2,040,666

APPLIANCE FOR AND METHOD OF MAKING CONCRETE STRUCTURES

Joseph Edwin Miller, Fort Wayne, Ind.

Application November 5, 1934, Serial No. 751,479
8 Claims. (Cl. 25—1)



5. The method of treating freshly-mixed concrete in a form, which method consists of inserting into the concrete while plastic and contained in said form a spirally formed rod, and simultaneously rotating said rod upon its axis and manually moving said rod throughout the various portions of the concrete mass.

8. An agitator for treating freshly-mixed concrete poured into a form, said agitator consisting of a thin rod and an activator connected with one end of said rod adapted to axially rotate said rod, said activator having a handle for manually maneuvering the agitator laterally while said rod is rotated in the concrete.

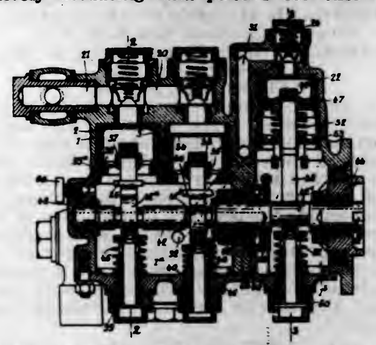
2,040,667

PUMP

Jean Louis Léon Alexandre Albert Moulet, Boulogne-sur-Seine, France, assignor to Martin Moulet & Cie, Oullins (Rhone), France

Application April 13, 1934, Serial No. 720,382
In France April 13, 1933
10 Claims. (Cl. 103—44)

1. A pump for feeding combustion fluid to a motor comprising a casing containing a lubricating liquid under pressure, means for always maintaining said pressure at an amount which is substantially equal to the pressure of the combustion fluid feeding the motor, at least two cylinders situated in said casing, delivery and suction valve means provided in said cylinders and adapted to operate upon the combustion fluid feeding the motor, pistons slidably located in said cylinders, and operative means for positively and successively actuating said pistons for their suc-



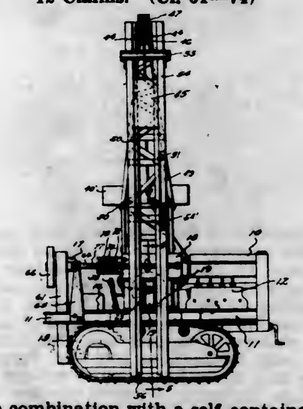
tion stroke which causes the filling of the corresponding cylinder with the combustion fluid, whereas, for their delivery stroke, said pistons are freed from the action of said operative means, this latter stroke being effected under the sole action upon the back side of said pistons of the pressure of the lubricating fluid in said casing, as the opening of the delivery valve means, which occurs during this stroke, produces a flow of the combustion fluid.

2,040,668

PILE DRIVING ATTACHMENT

William H. Nichols, Dallas, Tex.

Application October 11, 1934, Serial No. 747,905
12 Claims. (Cl. 61—74)



1. The combination with a self contained tractor having traction means including a differential

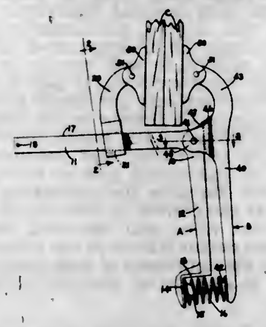
at one end of the tractor, a power take-off connected to the differential and driven thereby and the usual tractor controls, of a pile driving mechanism for attachment thereto including, leads mounted on the tractor and arranged to be swung laterally, a hammer slidable vertically in the leads, means for transmitting motion from the power take-off of said tractor to operate the hammer, and means for transmitting motion from the power take-off to swing the leads.

2,040,669

CABINET CLAMP

August E. Odmark, Spring Lake, Mich.

Application April 8, 1935, Serial No. 15,153
2 Claims. (Cl. 144—303)



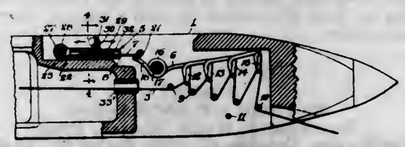
1. A cabinet clamp of the kind described, comprising, an L-shaped two armed lever having one of its arms laterally offset at its end to form a spring receiving recess, a sliding member adjustably located on the other arm, a jaw attached to the end of the sliding member, a lever pivoted to the first lever at the juncture between the two arms thereof, said lever extending substantially in parallelism to the first mentioned arm of the L-shaped member, said parallel members being of sufficient length to form a handle portion thereon, spring means located in the said spring receiving recess between the first mentioned arm of the L-shaped first lever and the second lever, the other end of the second lever being opposed to the jaw on the sliding member, and a second jaw pivoted onto the end of the second lever in facing relationship to the first jaw.

2,040,670

SHUTTLE

Luigi Pavia, Allentown, Pa.

Application October 9, 1935, Serial No. 44,276
6 Claims. (Cl. 139—214)



1. A tension device for shuttles comprising a pivotally mounted tension arm, a flat spring having one end pressing against one end of said arm, a casing supporting part of said spring, and a sliding member reacting on said casing for pinching said spring at different points along the length thereof so as to vary its effective length in regard to said arm.

2,040,671

PRESSURE MOLDABLE INSULATING COMPOSITIONS AND METHOD OF MAKING

Linwood T. Richardson, Milwaukee, Wis., assignor to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

No Drawing. Application November 9, 1933, Serial No. 697,250
11 Claims. (Cl. 106—15)

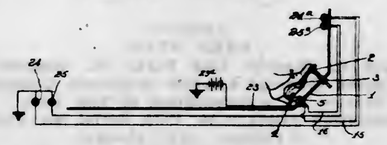
1. A cold-moldable and heat-induratable insulating composition comprising a mixture of substantially equal parts by weight of asphaltum and oleic acid, said composition being substantially free from any tendency to adhere to the molding dies.

2,040,672

CONTROL PEDAL

Ernest W. Richter, Chicago, Ill.

Application December 16, 1931, Serial No. 581,407
6 Claims. (Cl. 200—59)



1. A control pedal including a lower part fulcrumed horizontally at the rear end for rocking in a fore-and-aft vertical plane and an upper part formed to support the foot of the operator and pivoted to the lower part for bodily turning movement thereon independently of said rocking movement about an axis approximately perpendicular to the general plane of its foot-supporting area and closely proximate to the rear end fulcrum of the lower part; said upper part including a saddle portion adjacent said rear end fulcrum shaped to fit under the arch of the operator's shoe and having laterally upstanding flanges whereby the operator's foot is engaged with said pivoted upper pedal part for effecting the turning movement about its pivot.

2,040,673

PREPARATION OF EMULSIFYING SOAPS

Jack Robinson, Wood River, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

No Drawing. Application January 25, 1933, Serial No. 653,477
6 Claims. (Cl. 87—5)

1. The method of making a soluble oil from mahogany soap, which comprises washing impure mahogany soap with a 3% to 10% aqueous solution of sodium hydroxide, removing the aqueous washing solution and impurities from the slightly alkaline mahogany soap, neutralizing the alkalinity of the washed mahogany soap with a soap-forming acid, and admixing said neutral soap with a light mineral oil.

2,040,674

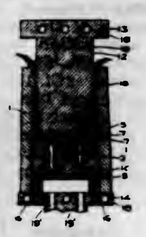
CONTACT PIN FOR VACUUM TUBES AND METHOD OF MOLDING

Spencer W. Severance and Joseph W. Kessler, Pittsfield, Mass., assignors to General Electric Company, a corporation of New York

Application September 11, 1929, Serial No. 391,960
7 Claims. (Cl. 29—155.55)

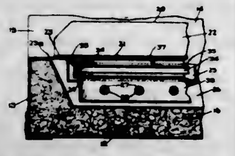
2. In the method of producing in a multi-section mold, a molded base provided with contact pins, the steps of providing each pin with a di-

mension larger than the dimension of the finished pin, compressing the pin to the proper finished dimension and simultaneously forcing a portion of each pin into one of the mold sections,



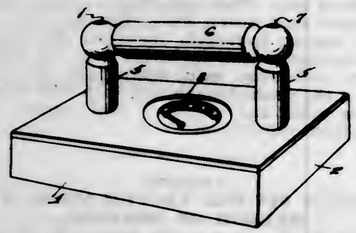
molding the base about the pins and removing the base from the mold by withdrawing the section into which the pins are forced.

2,040,675
BAKE OVEN
Jacob L. Shroyer, Oak Park, Ill., assignor to Edison General Electric Appliance Company, Chicago, Ill., a corporation of New York
Application January 10, 1934, Serial No. 706,083
6 Claims. (Cl. 219—35)



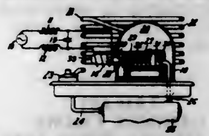
5. An oven comprising walls defining a heating chamber having an opening therein, a metallic framework in said chamber provided with upright walls at the sides and rear thereof and a lip at the front projecting through said opening and a liquid-impervious composition baking deck supported by said framework within said walls so that its upper surface is substantially flush with said lip and is materially below the top of said walls.

2,040,676
COOKING UTENSIL
William W. Stevens and Cay P. Buhl, Dallas, Tex.
Application June 17, 1935, Serial No. 26,988
2 Claims. (Cl. 53—10)



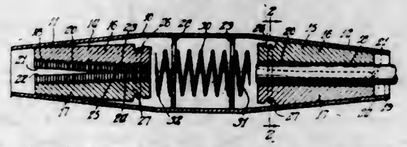
1. A top cooking device comprising a shell, projections rising from the base of the shell, a sleeve rising from said base and disposed between the projections, a cover for the shell, a handle assembly secured to the projections, heat retaining material surrounding the projections and sleeve, and a heat indicating device confined in the sleeve.

2,040,677
PULSATION APPARATUS
Chauncey G. Suits, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 12, 1933, Serial No. 689,150
8 Claims. (Cl. 172—240)



1. In combination, an electric circuit including a resistance element, a saturable inductance element and a capacitance element connected in series relation, said elements respectively having such values that when a substantially constant alternating voltage of predetermined value and frequency is applied to said circuit an abrupt change in the effective current in said circuit between relatively high and low values is obtained for a relatively small change in the impedance of one of said elements, and means controlled by the current in said circuit and operating when the current in said circuit rises to its high current value for changing the impedance of said circuit so that the current in said circuit falls to its low current value and operating when the current in said circuit falls to its low current value for changing the impedance of said circuit so that the current in said circuit rises to its high current value.

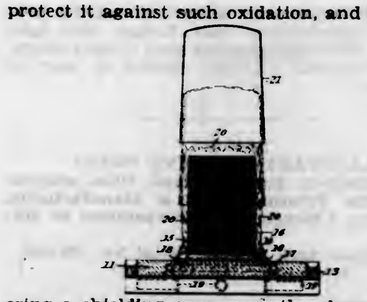
2,040,678
LINE SPLICE
James Van Buskirk, Evanston, Ill.
Application September 4, 1934, Serial No. 742,544
16 Claims. (Cl. 24—126)



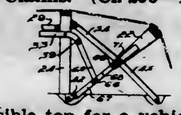
1. A gripping device comprised of a plurality of gripping elements each having a longitudinal groove formed therein, the groove of one element cooperating with the groove of another element to provide a longitudinal passage for the reception of a wire, the longitudinal edges forming the termination of the walls defining said groove having surfaces extending lengthwise of said elements arranged at an angle to each other the vertex of said angles providing a pivot for said elements and the surface extending in one direction from said vertex providing an element of a stop to limit movement of said elements toward each other.

2,040,679
METHOD OF ANNEALING
Raymond J. Wean, Warren, Ohio
Application October 15, 1935, Serial No. 45,083
2 Claims. (Cl. 266—5)

1. In a method of annealing, the steps including disposing a charge of material to be annealed on a support, lowering a heating cover thereover to heat the material, removing the cover while the material is at a temperature such as to cause atmospheric oxidation thereof, discharging non-oxidizing gas adjacent the base of the charge to protect it against such oxidation, and then lowering a shielding cover over the charge to protect it from oxidation while cooling.

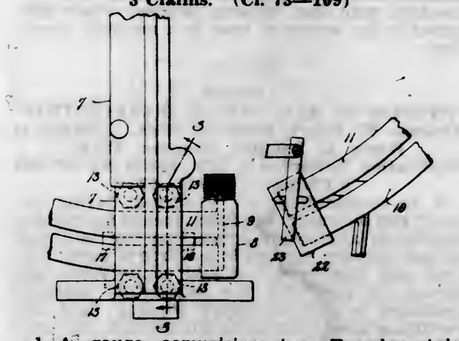


2,040,680
VEHICLE BODY
Fred J. Westrope, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application March 17, 1933, Serial No. 661,241
2 Claims. (Cl. 296—107)



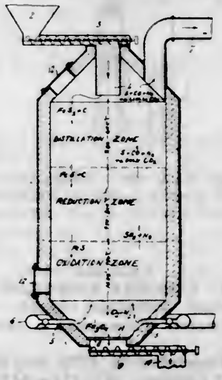
1. A collapsible top for a vehicle body including; in combination, a main bow, a secondary bow, pivoted links connected to the body and main bow and supporting said secondary bow, a second pair of links connecting said secondary bow to said body, a header, a third pair of pivoted links connecting said header forwardly of said main bow, a link interconnecting one of said third pairs of links to the main bow, additional links interconnecting the other link of said third pair to said second pair of pivotal links supporting the secondary bow, all of said links and elements being so related to each other as to retain the header and the main and secondary bows at all times in predetermined changing relation to each other when the top is being raised and lowered and for retaining all of the elements in fixed position when the top is raised.

2,040,681
GAUGE
Harry S. Baker, Arlington, Mass., assignor to The Ashton Valve Company, Cambridge, Mass., a corporation of Massachusetts
Application August 12, 1931, Serial No. 556,549
3 Claims. (Cl. 73—109)



1. A gauge comprising two Bourdon tube springs; a pressure inlet leading to said springs; a pressure tight joint connecting said inlet and springs; a support for said springs; and a member separate from said joint and having fixed connection with said springs at a distance from the ends of the springs, this connection including a wedge between, and engaging, the springs; and means to hold said member to said support.

2,040,682
RECOVERY OF SULPHUR
Raymond F. Bacon, Bronxville, N. Y., and Wilber Judson, Newgulf, Tex.
Application December 7, 1931, Serial No. 579,510
1 Claim. (Cl. 23—226)



The method of recovering sulphur from finely divided metal-sulphide bearing material in which part of the sulphur of the metal-sulphide is readily-volatile, which comprises passing said finely-divided material together with finely-divided coke each in suspension through a countercurrently flowing gaseous product containing sulphur vapor at a temperature not substantially lower than its temperature of production as hereinafter described and thereby liberating the readily-volatile sulphur of the metal-sulphide and producing a final gaseous product containing a substantial percentage of recoverable sulphur vapor, passing the residual material and accompanying coke each in suspension through a countercurrently flowing gaseous product containing sulphur dioxide at a temperature exceeding 800° C. and not substantially lower than its temperature of production as hereinafter described whereby said sulphur dioxide is substantially completely reduced by said coke and the aforesaid gaseous product containing sulphur vapor is produced, and then passing the residual material in suspension through a countercurrently flowing oxidizing gas at a temperature exceeding 950° C. whereby the remaining metal-sulphide is substantially completely converted to metal-oxide and the aforesaid gaseous product containing sulphur dioxide is produced.

2,040,683
ELECTRIC SAFETY RAZOR
Georg Biniek, Berlin-Charlottenburg, Germany, assignor to Telephon-Apparat-Fabrik E. Zwietusch & Co. G. m. b. H., Berlin-Charlottenburg, Germany
Application August 31, 1933, Serial No. 687,680
In Germany March 6, 1933
5 Claims. (Cl. 30—45)

1. In an electric safety razor, the combination of a hollow handle, a reciprocable blade mounted

on said handle, a motor for imparting reciprocating movements to said blade, and an electric power source for actuating said motor, said handle consisting of substantially two sections detach-



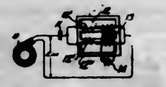
ably connected with each other, one of said sections containing said motor and the other section containing said electric power source.

2,040,684

ELECTRIC CIRCUIT CONTROL MEANS

Aram Boyajian, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application December 23, 1932, Serial No. 648,642
22 Claims. (Cl. 171—119)



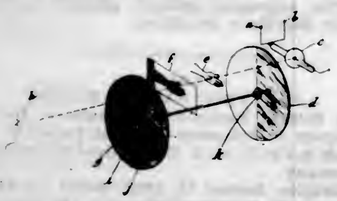
1. In combination, an alternating current circuit including a reactive current device comprising a capacitance element connected in circuit with an inductance element having a magnetic core, said elements being so correlated in accordance with the respective volt-ampere characteristics thereof as to exhibit a total non-linear volt-ampere characteristic, and means for controlling the magnetic density of said core, the magnetic density of said core being of a value substantially to reduce wave distortion in said alternating current circuit.

2,040,685

METHOD AND MEANS FOR X-RAY DIFFERENTIATION BETWEEN SUBSTANCES IN POLY-COLOR

Karl D. Chambers, Montgomery, Ala.

Application October 18, 1928, Serial No. 313,339
23 Claims. (Cl. 250—34)



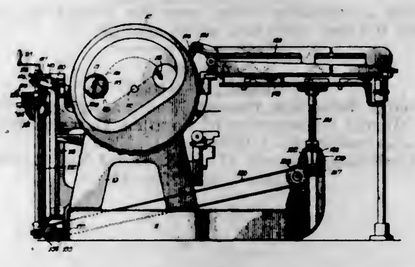
1. A method of making visible optical differentiation between the chemical constituents of a body, by exposing said body to bands of X-rays which said constituents absorb, in varying proportions transforming said X-rays into light rays, of a different color for each of said bands, and super-imposing images formed by each of said bands.

2,040,686

PLANETARY PRINTING PRESS

Edward Cheshire, East Cleveland, Ohio, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application April 8, 1931, Serial No. 528,500
37 Claims. (Cl. 101—270)



1. In a printing press, the combination of a plurality of printing cylinders traveling through a planetary path and being cooperatively associated with a printing member, means to feed sheet material to said cylinders, and means on said cylinders adapted to register the sheet in relation thereto during the feeding operation.

2,040,687

RESINOUS COMPOSITION

Stanley Ernest Chubb, Greet, Birmingham, England, assignor to Bakelite Limited, London, England, a British corporation

No Drawing. Application November 17, 1932, Serial No. 643,124. In Great Britain November 18, 1931
1 Claim. (Cl. 106—22)

Process for preparing a composition moldable under the action of heat and pressure into an infusible article characterized by flexibility which comprises heating a phenol-acetaldehyde condensation product with a fatty oil until the viscous liquid first formed becomes clear and brittle on cooling, and mixing the resinous product so formed with a filler and a hardening agent for reacting with the resinous product when subjected to the action of heat in a molding operation.

2,040,688

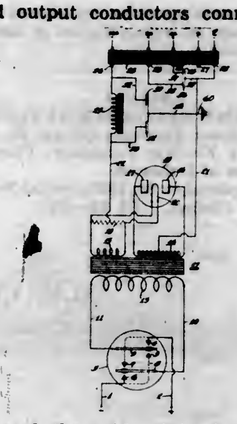
SYSTEM OF ELECTRICAL DISTRIBUTION

Thomas W. Drury, Bronson, Mich., assignor to Harry A. Douglas, Bronson, Mich.

Application November 5, 1931, Serial No. 573,148
6 Claims. (Cl. 171—97)

6. In combination: a transformer having primary and secondary windings; means for in rapid succession alternately connecting the terminals of said primary winding to a source of direct current and then reversing said connections; and means for rectifying the alternating potential produced in said secondary winding; and said rectifying means including an electron discharge device having anodes connected respectively to the terminals of said secondary winding, a cath-

ode, and output conductors connected to said



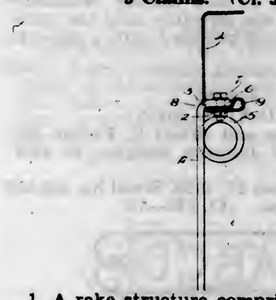
cathode and the mid-point of said secondary winding.

2,040,689

RAKE BAR AND TOOTH MOUNTING

Ernest Duhain, Croix, France, assignor to International Harvester Company, a corporation of New Jersey

Application February 11, 1935, Serial No. 5,973
In France May 14, 1934
5 Claims. (Cl. 56—400)



1. A rake structure comprising a tooth carrying bar presenting angularly related sides, one of which is horizontally disposed with a slot formed in the bar at the angle, a rake tooth having an angularly related securing loop formed at one end, said loop being passed through the slot to overlie the horizontal side of the bar, and a bolt passed through the loop and horizontal side of the bar to secure the tooth to the bar.

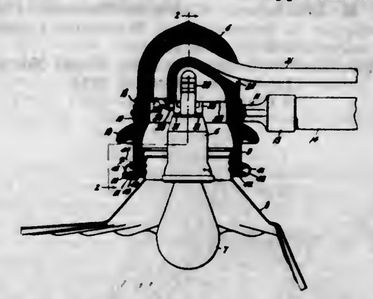
2,040,690

STREET LIGHTING UNIT

Cromwell A. B. Halvorson, Lynn, Mass., assignor to General Electric Company, a corporation of New York

Application January 19, 1934, Serial No. 707,246
Renewed December 11, 1935
10 Claims. (Cl. 240—25)

1. In a street lighting unit, the combination of a body of insulating material provided with a terminal chamber, means for supporting said body comprising a collar surrounding said body intermediate its ends, a cable conduit in said body extending from above said support on one side of said body into said terminal chamber on the opposite side of said body, cable terminals attached to the walls of said chamber above said supporting means, a lamp socket attached to said terminals, and an adjustable reflector support mounted



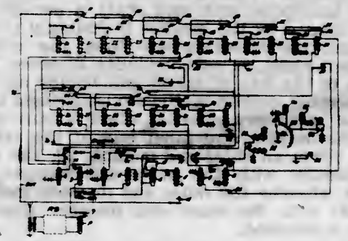
on the edge of said body below said supporting means.

2,040,691

SELECTIVE CODE RECEIVER

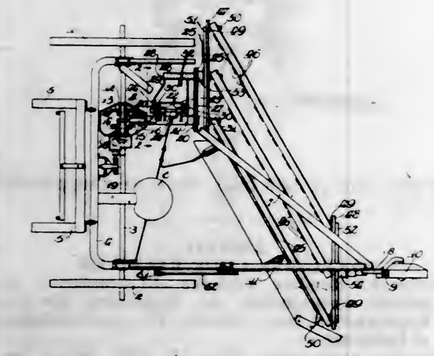
Harry E. Hershey, Chicago, Ill., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware

Original application May 17, 1929, Serial No. 363,875, now Patent No. 1,968,978, dated July 31, 1934. Divided and this application February 23, 1934, Serial No. 712,551
4 Claims. (Cl. 177—353)



3. In combination, an incoming circuit over which dot and dash signals are received, an outgoing dot conductor and an outgoing dash conductor, a slow operating dash relay, a dot relay, a first relay connected in multiple with said dash relay to said incoming circuit, a second relay, said dash relay fully responsive to dash signals and not to dot signals, means responsive to the reception of a dot signal over said incoming circuit to energize said dash relay and to operate said first relay, a set of contacts on said dash relay for closing the circuit to said dash conductor, a second set of contacts on said dash relay, both of said sets of contacts operated only when said dash relay is fully operated, contacts on said first relay operated thereby to close the circuit of said second relay via the second set of dash relay contacts, contacts operated by said second relay to prepare the circuit to said dot relay in series with said second relay, said dot relay being shunted by the first relay contacts, said first relay deenergizing at the end of the dot signal to open its contacts and remove the shunt circuit from the dot relay and operate the dot relay in series with said second relay and the second contact set of said dash relay, contacts on said dot relay operated thereby to close the circuit of said dot conductor, and a second set of contacts operated by said dot relay to shunt said second relay and deenergize the same and at its contacts open the circuit of the dot relay.

2,040,692
SIDE DELIVERY HAY RAKE
Rex B. Hitchcock, Marcq-en-Baroeul, France, assignor to International Harvester Company, a corporation of New Jersey
Application February 11, 1935, Serial No. 5,972
In France May 14, 1934
9 Claims. (Cl. 56—377)



1. In a side delivery rake, a wheel carried main frame and axle, gearing driven by the axle including a longitudinal drive shaft having a primary sprocket wheel fast thereon, a bracket pivotally associated with said shaft, a parallel stub shaft carried by the bracket including a secondary sprocket wheel driven from the primary sprocket wheel, a rake cylinder disposed diagonally of the line of travel and having an inner end member carried by the stub shaft and driven by said secondary sprocket wheel, means to adjust the bracket and inner end of the cylinder up or down, an outer end member for the cylinder parallel with the inner end member, and means whereby the outer end member moves in parallel with the inner end member when the latter is adjusted.

2,040,693
SOUND RECORD
Eugène Alexandre Huguenard, Paris, France, assignor to Carl W. Fenninger, Philadelphia, Pa., as trustee
Application January 9, 1930, Serial No. 419,643
In France January 14, 1929
24 Claims. (Cl. 274—46)

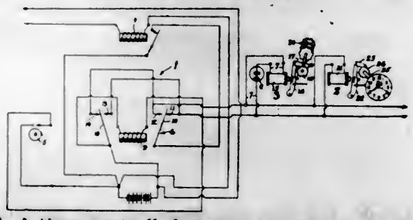


12. The method of making a sound record which comprises mechanically altering the light controlling capacity of a moving medium by removing a portion thereof to a degree which varies in accordance with the sound waves to be recorded.

15. A sound record comprising a transparent base having a translucent coating and a sound track on said record of the variable density type, said sound track being formed by a variation in the depth of the translucent coating in the track, which variation is in accordance with the recorded sound.

20. A sound record blank adapted to receive a sound track capable of optical reproduction comprising a flexible strip of homogeneous material, the translucency of which varies in accordance with its thickness.

2,040,694
JOB TIME RECORDER SYSTEM
Edward B. Jackson, Downers Grove, Ill., assignor to Stromberg Electric Company, Chicago, Ill., a corporation of Delaware
Application September 24, 1932, Serial No. 634,685
3 Claims. (Cl. 58—24)



2. A time-controlled system comprising master electrical impulse sending apparatus and secondary impulse receiving apparatuses, said master apparatus comprising time-controlled means for periodically reversing the direction of the impulses sent, and said secondary apparatuses comprising apparatus including an electromagnet and mechanism advanced step by step thereby responsive to both direct and reverse impulses and other apparatus including an electromagnet and mechanism advanced step by step thereby responsive only to impulses in one direction, said last mentioned apparatus being provided with a one-way electrical valve.

2,040,695
ILLUMINATED SIGN
Harold M. Johnson and Albert C. Perbal, St. Louis, Mo.; said Johnson assignor to said Perbal
Application September 27, 1929, Serial No. 395,530
15 Claims. (Cl. 176—14)

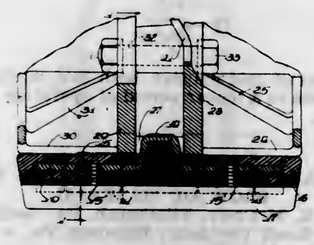


1. An illuminated display element, comprising, a translucent envelope providing a gas container, a plurality of structures within said envelope each formed to provide in cooperation with and between it and the walls of said envelope a gas duct providing a narrow current path arranged to form a display figure, said structures being formed at their adjacent portions for mutual engagement with their current paths joined to form a continuous path in communication at its end with the interior of said envelope so as to contain therewith a continuous body of gas, means obstructing flow of electric current from one part of said envelope to another except by said path, a conducting gas in said envelope and said duct and means for passing a current along said path.

2,040,696
TRACK FOR TRACK TYPE TRACTORS
Edward A. Johnston, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application August 11, 1934, Serial No. 739,444
4 Claims. (Cl. 305—10)

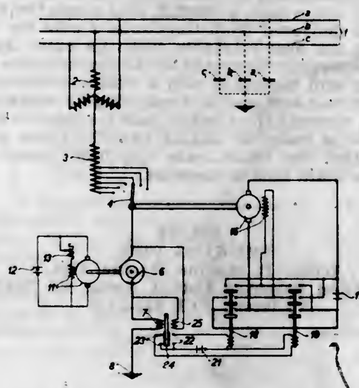
1. A track for track type tractors comprising an endless series of substantially flat sheet metal

links having adjoining edges formed with interfitting tongues and spaces, the tongues on each link being curled to provide aligned transverse bores, a continuous pivot pin inserted from one side of the links through the bores thus formed articulately to connect adjacent links together, said structure being completely embedded in a rubber sheathing, driver lugs on the links mid-



way between their edges and projecting part way through the sheathing on the side of the track opposite to its traction side, the traction side of the sheathing having formed thereon alternate transverse grooves and cleats, the links on opposite sides of said lugs carrying means for anchoring traction grousers thereto, said means being in vertical line with the grooves in the rubber sheathing when the track lies flatly on the ground.

2,040,697
GROUNDING COIL TUNING SYSTEM
Jakob Kopeliowitsch, Baden, Switzerland, assignor to Aktiengesellschaft Brown Boveri & Cie., Baden, Switzerland, a joint-stock company of Switzerland
Application January 17, 1931, Serial No. 509,371
In Germany January 18, 1930
17 Claims. (Cl. 172—237)

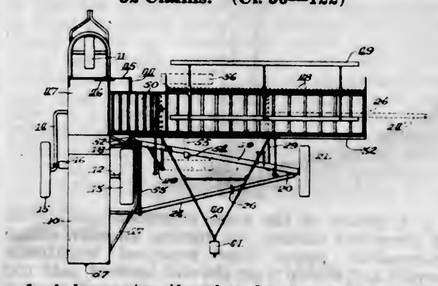


17. The combination with an electrical system having capacitance to ground and comprising an alternating-current apparatus having a neutral point connection, and an inductor connected between said neutral point and ground, of means operable responsive to changes in current in said inductor resulting from changes in said capacitance for varying the degree of tuning of said inductor with respect to the system capacitance to ground.

2,040,698
METHOD OF VULCANIZING RUBBER AND NEW AND IMPROVED VULCANIZED RUBBER
Robert R. Lewis, Baldwin, and Albert J. Weiss, Mineola, N. Y., assignors to Vulcan Proofing Company, New York, N. Y., a corporation of New York
No Drawing. Application November 24, 1933, Serial No. 699,502
2 Claims. (Cl. 18—53)

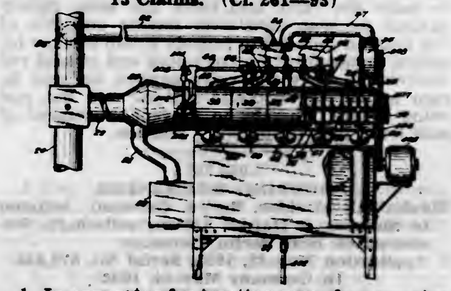
1. A method of making a vulcanized rubber product which consists in heating to ordinary vulcanization temperatures a rubber mix containing "Thiokol" and a small quantity of a thiuram sulfide accelerator, said "Thiokol" being the sole vulcanizing agent and decomposing in the presence of the accelerator at the vulcanizing temperature to furnish all of the sulfur necessary for the vulcanization of the rubber, said "Thiokol" also being present in said rubber mix in amounts no greater than one part of "Thiokol" to two parts of rubber.

2,040,699
HARVESTER THRESHER
Alexus C. Lindgren, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application March 15, 1935, Serial No. 11,312
32 Claims. (Cl. 56—122)



1. A harvester thresher having a longitudinal thresher part, an A-frame harvester support hingedly associated with the thresher part, one leg of the A-frame comprising a torque tube and the other leg constituting a brace, a harvester platform supported on the tube, and a torque arm connected between the tube and brace.

2,040,700
SMOKE AND DUST ABSORBING APPARATUS
Silvio Magaton, New York, N. Y.
Application October 12, 1934, Serial No. 748,065
13 Claims. (Cl. 261—93)



1. In apparatus for treating gases for removing solid matter therefrom the combination, with means for directing a current of said gases

through the apparatus, of a tank for containing liquid, a plurality of passages for said gases extending and discharging within said tank, normally sealed removable cover means through the wall of said tank in proximity of the discharging end of said passages, normally sealed removable closing means at the other end of said passages, permitting, when removed, access thereto, filtering material within said passages, and means for successively directing said gases first through one and then through each of the others of said passages, and for cutting off the passages which are to remain temporarily inactive, so as to transform the continuous flow of said gases into a sequence of intermittent flows through said passages.

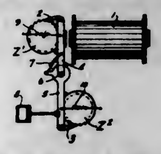
2,040,701
ULLAGE ROD
William H. Marsden, Chicago, Ill.
Application June 26, 1933, Serial No. 677,550
2 Claims. (Cl. 73—120)



1. A device of the class described comprising an elongated tubular rod having an open ended transparent gauge tube mounted lengthwise therein and visible from the side thereof, said rod having a liquid inlet in the lower end thereof communicating with the lower end of said tube, a valve movable upwardly toward a seat in the lower end of said rod to close the liquid inlet, a stem extending upwardly from the valve lengthwise through the rod and projecting from the upper end thereof, said valve tending normally to move downwardly away from its seat, and a flat ended hand lever pivoted on a horizontal axis on the upper end of said stem and movable from a transverse position relative to the stem to a vertical dead-center position in alignment with the stem and resting with its flat end on top of said rod to raise the valve and force the same tightly against its seat, said lever having one side of the flat end rounded to provide a cam surface for sliding engagement on the upper end of said rod whereby to force the valve against its seat by cam action, the opposite side of said flat end being square, whereby to prevent movement of said lever past dead-center position.

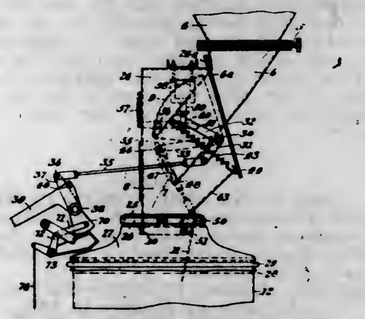
2,040,702
COUNTING MECHANISM
Maximilian Mathias, Berlin, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany
Application May 22, 1933, Serial No. 672,336
In Germany May 24, 1932
7 Claims. (Cl. 235—92)

7. An electromagnetic counting device including a first and a second counting mechanism, a common operating magnet having short and long periods of operation, and mechanical means controlled by said magnet for operating only one of said mechanisms responsive to a short period of



operation of said magnet, both said mechanisms responsive to a longer period of operation of said magnet.

2,040,703
APPARATUS FOR CONTROLLING THE FLOW OF MATERIAL
Harold E. McCrery, Pittsburgh, Pa., assignor to Blaw-Knox Company, Blawnox, Pa., a corporation of New Jersey
Application November 6, 1935, Serial No. 48,543
2 Claims. (Cl. 221—144)



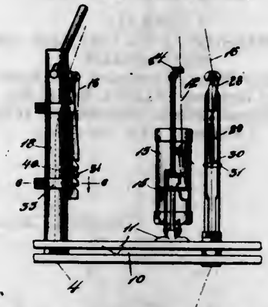
1. Apparatus for controlling the flow of material, comprising a chute having a discharge opening and a gate, a conduit into which the material is delivered from the chute, a gate for the conduit, an arm rotatable with the chute gate, means operably connected to the conduit gate for opening and closing it, and a sliding connection between said arm and said conduit gate operating means, whereby the conduit gate is closed to stop the flow of material leaking past the chute gate only after the chute gate has been closed to stop the main flow of material.

2,040,704
SMOKING PIPE
Arthur B. Medine, Racine, Wis.
Application February 1, 1934, Serial No. 709,282
3 Claims. (Cl. 131—12)



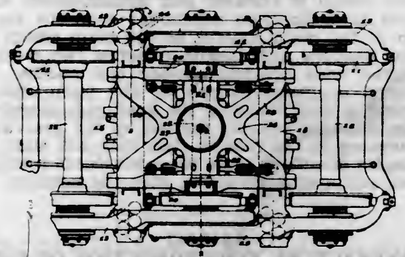
1. A tobacco pipe comprising a bowl, a stem therefor consisting of inner and outer shells contacting with each other and provided with intersecting corrugations disposed to provide communicating passage-ways through the stem from end to end, and means on said inner shell for facilitating the removal thereof from said outer shell.

2,040,705
TENSION DEVICE
Robert V. Olson, Attleboro, Mass., and Arthur M. Radlauer, Pawtucket, R. I., assignors to Mossberg Pressed Steel Corporation, a corporation of Massachusetts
Application April 19, 1934, Serial No. 721,324
11 Claims. (Cl. 96—15)



1. A tension device comprising a standard provided with a guide at its upper end having a surface over and in contact with which the work passes, a pressure member having a portion thereof positioned in said guide, and means for causing said portion to be urged towards said surface to friction the work passing therealong.

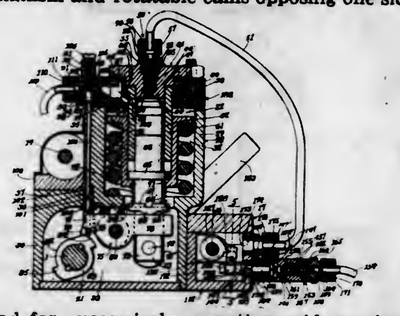
2,040,706
CENTER BOLSTER FOR SIX-WHEEL TRUCKS
Claude L. Orr, Bexley, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio
Application October 27, 1933, Serial No. 695,518
15 Claims. (Cl. 105—196)



1. A bolster for railway car trucks, comprising longitudinal side members, a transverse member rigidly uniting the medial portions of said side members, and substantially V-shaped braces rigidly uniting the medial portion of the transverse member to the end portions of the side members, the ends of each brace being spaced from one another and the space between the ends of each brace being unobstructed.

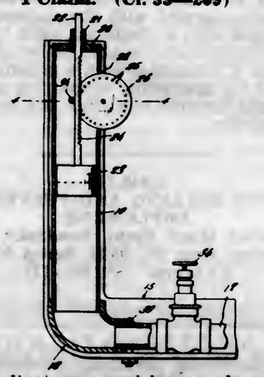
2,040,707
LIQUID FUEL DISTRIBUTING APPARATUS
Harry Palmer, deceased, late of Malden, Mass., by Bessie L. Palmer, administratrix, Allston, Mass., assignor to Palmer Inventions, Inc., a corporation of Massachusetts
Application November 1, 1934, Serial No. 751,103
Renewed March 23, 1936
15 Claims. (Cl. 103—2)

1. In an apparatus for distributing liquid fuel charges to the cylinders of a bank of internal combustion engines, a liquid fuel intake and expelling mechanism including a combined fuel suction and expelling element and means for imparting an expelling stroke to said element, a valve controlled fuel supply mechanism communicating with the other of said mechanisms in proximity to its outer end and including a normally closed valve, a liquid fuel outlet structure opening into said intake and expelling mechanism at its outer end, a distributor mechanism for liquid fuel charges including a plurality of outlet valve mechanisms, internally arranged shifting members for opening the outlet valve mechanism and rotatable cams opposing one side



of and for successively operating said members to open the outlet valve mechanisms, a normally closed means for conducting liquid fuel charges from said outlet structure to said distributing mechanism, a shiftable device for imparting a suction stroke to said element, a rotatable cam common to said device and said valve for intermittently operating said device and intermittently opening said valve, and valve controlled means communicating with said outlet valve mechanisms for feeding fuel charges to the cylinders of the engines.

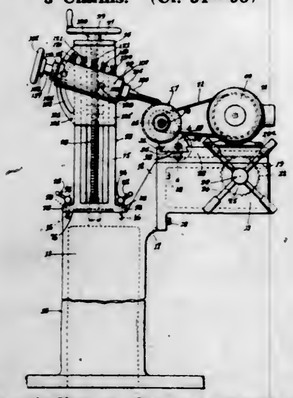
2,040,708
ROAD GRADER LEVEL
Linus Persson, Braddock, N. Dak.
Application May 16, 1935, Serial No. 21,853
1 Claim. (Cl. 33—209)



A level indicator comprising an elongated substantially horizontally disposed conduit, a fluid in the conduit, upstanding tubular extensions at the ends of the conduit, a float in each of the extensions, a rack bar extending upwardly from each of the floats, a guide in one end of each of the extensions for slidably receiving the rack bar, one side portion of each of the extensions being provided with an opening, a gear mounted in each

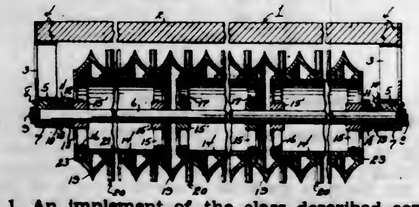
opening for mesh with the adjacent rack, each of the said gears being provided with an external shaft, a gauge plate stationarily secured to the outside of each of the extensions and through which the corresponding shaft extends, graduations on the gauge plate and a pointer secured to the corresponding shaft at the front of the said gauge plate.

2,040,709
GRINDING MACHINE
Harvey E. Pruitt, Flint, Mich.
Application December 1, 1934, Serial No. 755,624
3 Claims. (Cl. 51—98)



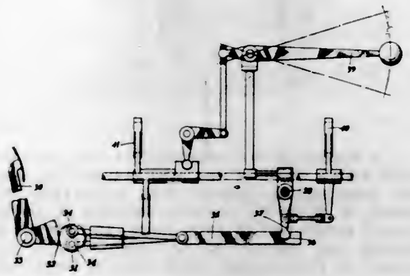
1. In a grinding machine, a support, a suspension structure mounted thereon and formed with spaced parallel slots at its bottom, a gear interposed between said support and said structure, a pinion meshing with said gear and positioned at the bottom of said structure, a shaft for the gear revolubly mounted in said support and fixed to said structure, means for revolving the pinion to provide for the angularly adjusting of said structure relative to said support, releasable means extending through said slots and engaging in the support for locking the structure in its adjusted position, a structure vertically movable relative to and bodily carried with the suspension structure provided with a combined work holding and indexing mechanism capable of being angularly adjusted on a horizontal axis, a grinding element, and means for operating, supporting and moving said element towards and from the work held by said mechanism.

2,040,710
GROUND ROLLING AND PULVERIZING IMPLEMENT
Frederick Hugh Riehl, Sandusky, Mich.
Application June 28, 1935, Serial No. 28,949
2 Claims. (Cl. 55—77)



1. An implement of the class described comprising a frame, a shaft rotatably mounted thereon, a series of cylindrical drums mounted concentrically on said shaft in spaced apart relation, and a plurality of ring-like ground working members mounted on said drums in side by side engaging relation, some of said members bridging the spaces between said drums, and the end drums of the series being freely rotatable on said shaft.

2,040,711
TRANSMISSION AND CHANGE SPEED MECHANISM
Percy Riley, Coventry, England
Application October 12, 1934, Serial No. 748,121
In Great Britain October 12, 1933
3 Claims. (Cl. 74—334)



1. Transmission mechanism comprising a main friction clutch, two portions of a change-speed mechanism in series therewith, a main control for the two portions, the portion remote from the clutch having a double-acting slidable clutching member, and means connecting the latter with the main clutch whereby it will be automatically slid into neutral each time the main clutch is released and automatically engaged, in a direction dependent upon the position of the main control, as the main clutch is being engaged, said means including two similar notched rods arranged beside one another, a toothed quadrant carried by the main clutch control, a gear engaging the quadrant, eccentrically disposed pitmans carried by the gear and connected to the rods so that they will slide in opposite directions when the main clutch is actuated, and a stem co-acting with the notches.

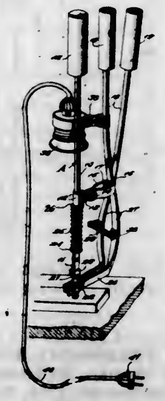
2,040,712
MANUFACTURE AND PRODUCTION OF COLORED ARTIFICIAL FILAMENTS, THREADS, BANDS, AND THE LIKE
Stewart Robertson, Coventry, England, assignor to Courtaulds Limited, London, England, a British company
No Drawing. Application February 5, 1935, Serial No. 5,150. In Great Britain February 8, 1934
3 Claims. (Cl. 18—54)

1. The production of colored artificial filaments, threads, bands and the like by spinning a viscose containing leuco vat coloring matter and a glycol ether.

2,040,713
CONVERTIBLE TOOL
Aaron Shaffer, Saginaw, Mich.
Application July 10, 1935, Serial No. 30,668
1 Claim. (Cl. 145—52)

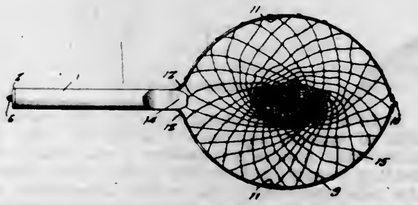
A tool for the purpose set forth, comprising a pair of crossed levers having handle ends and parallel jaw ends which are arranged at right

angles to the levers, a bracket extending parallel to the direction of the jaw ends and pivoted to the levers at the point of crossing of said levers, a sleeve pivoted to the bracket, a tool shank revolvably in and longitudinally movable through



said sleeve, spring means urging the shank in a direction towards the jaw-ends and spring means connected to the levers for influencing the jaw ends thereof toward each other.

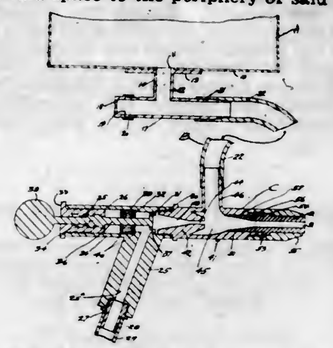
2,040,714
FISHERMAN'S LANDING NET
Boyd H. Smith, Berwick, Pa.
Application March 12, 1935, Serial No. 10,739
1 Claim. (Cl. 43—12)



A fisherman's landing net comprising a hollow handle having an open end, a rim consisting of hingedly connected sections, two of the sections having reversely curved end portions extending into and riding across the end of the handle, a ring engaged through said end portions, a retractile spring anchored at one end in the handle and having its opposite end attached to said ring, and a netted body hung on the rim.

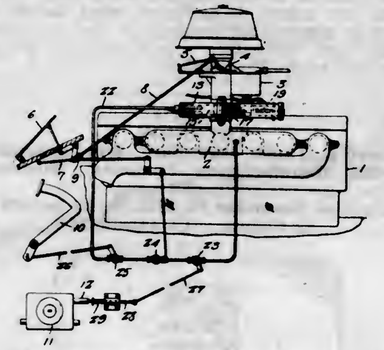
2,040,715
LIQUID BLASTING
Elmo V. Smith, Evanston, Ill.
Application June 10, 1935, Serial No. 25,888
9 Claims. (Cl. 51—11)

1. A method of the character set forth for blast-treating a surface, comprising: passing a non-expansive liquid in a confined stream discharged under pressures in excess of 600 pounds per square inch through the central portion of a tubular member thereby maintaining a space between said stream and member, and supplying within said space to the periphery of said stream



within said tubular member a coating of granular abrasive.

2,040,716
MOTOR VEHICLE ENGINE CONTROL
Lee Albert Summers, Washington, D. C.
Application June 7, 1935, Serial No. 25,525
9 Claims. (Cl. 192—.01)

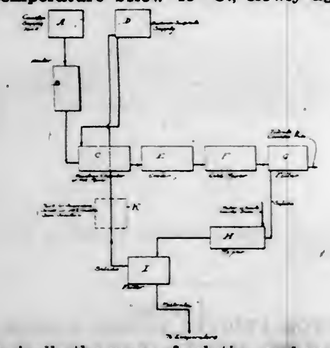


1. The combination of a control for location in a feed of a carbureter to an internal combustion engine of a motor vehicle for normally opening said feed to the engine and adapted to establish communication of the atmosphere with said feed when the latter is shut off by said control, means automatically operating said control for actuating the same from normal feeding position, and means operated by an accelerator, clutch and a medium of a transmission for regulating said first means.

2,040,717
PROCESS OF PURIFYING CONCENTRATED CAUSTIC SODA SOLUTIONS
Earl Sweetland, Grosse Isle, and Raymon E. Vander Cook, Inkster, Mich., assignors to Pennsylvania Salt Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 17, 1934, Serial No. 711,783
6 Claims. (Cl. 23—184)

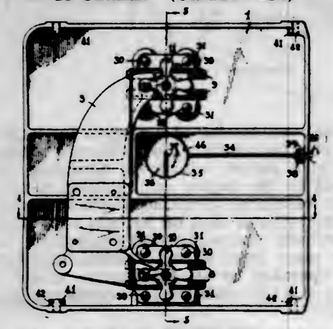
1. The process of purifying concentrated caustic soda solutions to remove sodium chloride therefrom, which comprises heating the solution to a temperature of at least 60° C., adding very finely divided sodium sulphate to the solution at said temperature to form relatively large crystals of an insoluble salt containing sodium sulphate and

at least a portion of the sodium chloride impurity, mechanically mixing the solution and sodium sulphate slowly without appreciable breakage of the formed crystals and at said temperature until the reaction involving the formation of an insoluble complex salt is substantially complete, cooling the solution and suspended solids to a temperature below 45° C., slowly agitating



mechanically the mass of solution and suspended solids at said temperature until the supersaturated solution is substantially completely broken down, the degree of agitation being insufficient to cause appreciable breakage of the crystallized solids, and thereafter separating the solution from the crystallized solids.

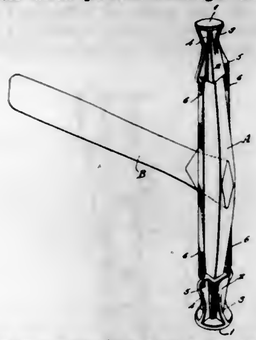
2,040,718
TRUNNION
Herbert E. Tauts, Milwaukee, Wis., assignor to Delta Manufacturing Company, Milwaukee, Wis.
Application November 20, 1933, Serial No. 698,902
15 Claims. (Cl. 143—132)



1. A machine table having two trunnions near the front and rear ends thereof respectively, said table having a tool-inserting opening leading to a side edge of the table and located between said trunnions, the axis of the trunnions being substantially in the cutting plane of the tool.

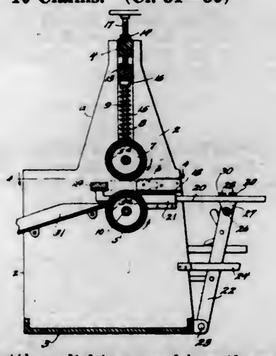
2,040,719
TOOL SHIELD
Louis Walch, Monongahela, Pa.
Application April 29, 1935, Serial No. 18,969
3 Claims. (Cl. 125—43)

3. A shield for a tool having sharpened working end portions and comprising a pair of shield members each including socket means shaped to receive the end portions, strips extending laterally from opposite sides of the socket means and having openings therein, and a pair of coil springs having their ends passed through the openings



for connection with the strips for securing the shield members on the working end portions.

2,040,720
GLASS POLISHING MACHINE
John J. Wanko, Baltimore, Md.
Application December 28, 1934, Serial No. 759,563
10 Claims. (Cl. 51—80)

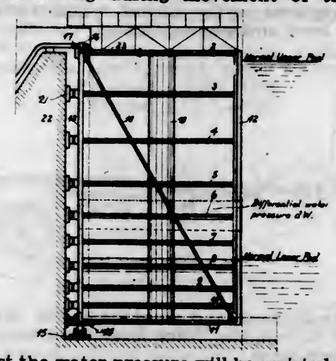


1. In a bottle polishing machine, the combination of spaced, superposed polishing rolls, and supporting means comprising a stationary supporting element at one side of the space between the rolls upon which the bottles are slidable, and a movable abutment element at the opposite side of the space between the rolls adapted to be engaged by the ends of the bottles, said movable element being adjustable with relation to the stationary element to provide a variable work gap therebetween and being movable by the traction of the rolls applied to the bottles in the direction away from the stationary supporting element.

2,040,721
LOCK GATE
Hans Zimmermann, Dortmund, Germany, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Duesseldorf, Germany
Application July 26, 1932, Serial No. 624,679½
In Germany August 14, 1931
7 Claims. (Cl. 61—24)

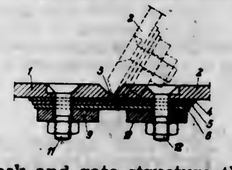
1. A lock gate for sluices or the like, comprising a pivoting post, a closing jamb, horizontal cross bars secured to the post and the jamb, a wall connected with the cross bars at the high water side thereof, and a torsion resistant body extending vertically through said cross bars and rigidly connected therewith, whereby torsional

stresses arising during movement of the gate



against the water pressure will be resisted by said torsion resistant body.

2,040,722
LOCK AND GATE STRUCTURE
Hans Zimmermann, Dortmund, Germany, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Duesseldorf, Germany
Application August 5, 1932, Serial No. 627,671
In Germany July 2, 1931
7 Claims. (Cl. 61—22)



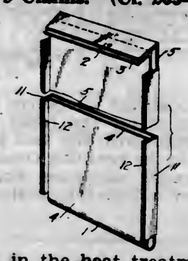
1. In a lock and gate structure the combination of a lock wall, a gate wall pivotally associated with the lock wall, and an extensible pile of independent packing strips bridging the adjacent longitudinal edges of the lock wall and gate wall and secured in intimate unconnected contact with each other and in intimate contact with the lock and gate wall.

2,040,723
SCREW DRIVER
Edward Albert Adison, Chicago, Ill.
Application November 12, 1934, Serial No. 752,783
7 Claims. (Cl. 145—52)



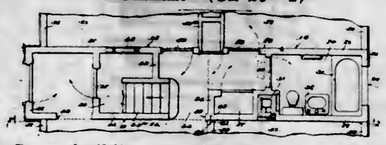
5. A screw driver comprising a shank having a bladed end, a pair of grip elements normally extending across opposite sides of the bladed end substantially at right angles to the longitudinal axis of the shank, said grip elements being movably connected with the shank for rotation about axes paralleling the longitudinal axis of the shank, and means associated with the shank and operatively connected with the grip elements for shifting the same to a position beyond the end of the bladed end and rotating the same about their axes.

2,040,724
MEANS FOR THE HEAT TREATMENT OF METAL SHEETS
James Stanley Atkinson, London, England
Application August 10, 1933, Serial No. 684,587
In Great Britain August 16, 1932
9 Claims. (Cl. 263—8)



1. For use in the heat treatment of a metal sheet, a sheet-metal envelope for the sheet having means to suspend it in a furnace constituted by a bent-over portion of one at least of the front and back top edges of said sheet metal envelope.

2,040,725
BUILDING CONSTRUCTION
Herman T. Backhus, Glen Gardner, N. J.
Application January 2, 1934, Serial No. 704,973
Renewed January 16, 1936
6 Claims. (Cl. 20—1)

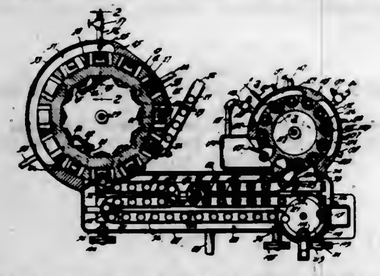


1. In a building construction, a foundation, rooms complete as units with floor, walls and ceiling removably mounted on an intermediate portion of the foundation and acting as a stabilizer for the application of additional walls to form other rooms, walls and ceiling removably connected to each other and to the units, a plurality of co-operating means on the walls and ceilings and the units for removably connecting the walls and the ceiling to each other and to the units, and means for simultaneously operating certain of the means for causing said means to be interlocked with the other means.

2,040,726
METHOD AND APPARATUS FOR CANNING
Charles O. Ball, River Forest, and Paul C. Wilbur, Oak Park, Ill., assignors to American Can Company, New York, N. Y., a corporation of New Jersey
Application August 16, 1932, Serial No. 629,044
11 Claims. (Cl. 99—186)

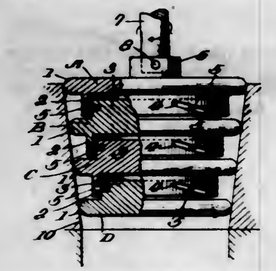
3. The method of canning, which comprises passing open top cans, containing a product con-

sisting of separate particles without free liquid, through a sealed enclosed sterilizing chamber while subjecting them to steam of high temperature and pressure to impart a sterilizing temperature to the particles of said product, inverting said cans while still in said sterilizing chamber and simultaneously holding and maintaining the product within the inverted can to permit passage



of the steam through the interstices of the product and to insure direct and rapid unrestricted contact of the steam with the said product particles, and to drain the resulting condensate from the cans, and sealing said cans while still subjected to the steam of high temperature and pressure.

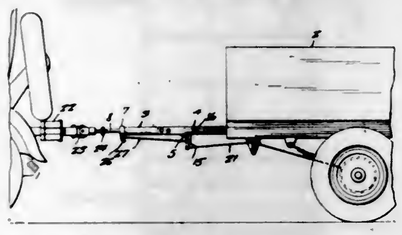
2,040,727
VALVE
Arthur Ayling Blue, Sewickley, Pa.
Application August 18, 1931, Serial No. 557,921
20 Claims. (Cl. 251—159)



1. An improved valve of the plug type, combining a tapered valve seat with a tapered plug composed of a plurality of solid seat engaging members in the form of discs arranged in superposed relationship, a rotatable stem connected to one of said discs, cam means interconnecting said discs in series and providing a driving connection between them whereby all of said discs can be simultaneously rotated by said stem, and said cam connecting means permitting independent rotation of each disc by rotation of the stem, for the purpose described.

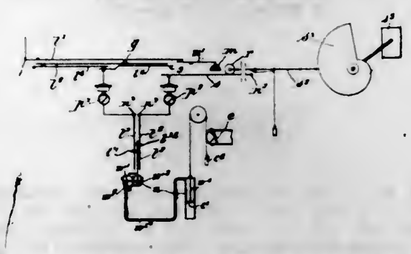
2,040,728
TRAILER BRAKE
Ernest R. Bulmer, Great Falls, Mont.
Application March 5, 1935, Serial No. 9,523
4 Claims. (Cl. 188—112)

2. A brake mechanism comprising a push rod, means for coupling the rod to a towing vehicle, a support in which the rod is relatively slidable, means for securing the support to a trailer, a brake lever fulcrumed on the support and provided with slots in its upper and lower end portions, the push rod passing through the upper slot, a trip lever on the support, a link pivoted to the trip lever and passing through the lower slot



in the brake lever, and an abutment on the link adapted to rock the brake lever upon actuation of the trip lever.

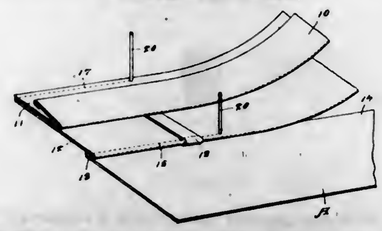
2,040,729
APPARATUS FOR DRYING WOOD AND THE LIKE
Pierre de Cissey, Vesoul, France
Application January 5, 1933, Serial No. 650,329
In Belgium January 18, 1932
11 Claims. (Cl. 34—19)



2. An apparatus for controlling the rate of drying of a mass of material placed in a drying kiln, which comprises in combination, a movable member, means for transmitting to said member a force proportional to the weight of said mass, a movable weight adapted to act on said member in a direction opposite to that of said force, means for moving said weight in accordance with a predetermined rate of displacement as a function of time so as to vary the action of said weight on said member, and means controlled by movement of said member for varying the conditions of drying in said kiln so as to tend constantly to balance the opposed forces acting on said member.

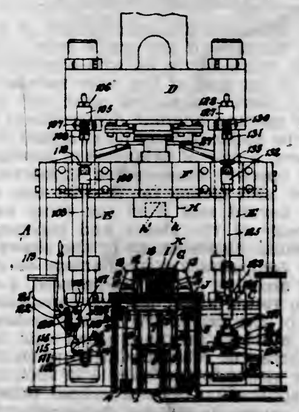
9. An apparatus for controlling the rate of drying of a mass of material placed in a drying kiln, which comprises in combination, an oscillating lever, means for transmitting to said lever a force proportional to the weight of said mass, a weight slidable along said lever acting thereon in a direction opposite to that of said force, a cylinder substantially parallel to said lever provided with a groove winding around its periphery according to a predetermined curve, means for rotating said cylinder around its axis at a predetermined rate, a projection carried by said weight engaging said groove, means for controlling the conditions of drying in said kiln, and means controlled by movement of said lever for actuating said last named means to tend constantly to balance the opposed forces acting on said lever.

2,040,730
METHOD OF MAKING APPAREL WAIST BANDS
Roy F. Engman and Scelt E. Tayler, Dallas, Tex.
Application July 23, 1934, Serial No. 736,587
Renewed April 3, 1935
2 Claims. (Cl. 2—236)



1. The method of assembling and sewing waistbands and belt loops together and to the upper edge of garments, which consists in superimposing a lining strip upon the outer side of an outer band, interposing a belt loop between the lining strip and said band, then folding one longer edge of the band and the belt loop upon themselves, then superimposing the folded edges upon the upper edge of a garment, then folding the lining strip upon itself, then stitching simultaneously the folded edges of the band and loop with the upper edge of the garment and the outer edges of the lining strip and band together, then turning the lining strip to overlie the inner side of the band, and finally stitching the lining strip to the upper edge of the garment when at the inner side of the band.

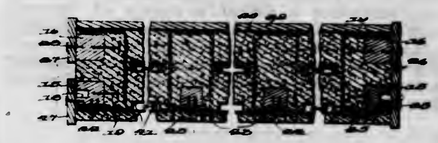
2,040,731
HYDRAULIC METAL DRAWING PRESS AND METHOD FOR SHAPING METAL ARTICLES
Walter Ernst, Mount Gilead, Ohio, assignor, by mesne assignments, to The Hydraulic Press Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application January 2, 1929, Serial No. 329,765
22 Claims. (Cl. 113—45)



1. In a drawing press including a movable die and a movable blank holder; the combination with hydraulic actuating means for moving said die towards said holder; of a source of fluid pressure connected to said means; hydraulic cushioning means associated with said blank holder for yieldably urging said blank holder towards said die; and hydraulic connections between said actuating means and said cushioning means for maintaining at a constant ratio the hydraulic pressures therein.

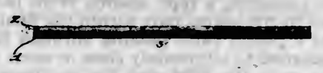
22. A method for shaping metal blanks which consists in drawing the blank to be shaped between cooperating dies, one of which is movable and the other stationary, moving the movable die by hydraulic means, clamping a portion of the blank against only the movable die by hydraulic means, and maintaining a free and direct interflow of pressure fluid between the hydraulic drawing means and the hydraulic clamping means, whereby to transmit pressure therebetween in substantially undiminished condition, said interflow of pressure fluid serving to clamp said blank during the drawing operation by a pressure which bears a constant ratio to the drawing pressure.

2,040,732
MANUFACTURE OF CEMENTITIOUS PANELS
Thomas J. Foster, Ridgewood, N. J.
Application August 20, 1934, Serial No. 740,705
15 Claims. (Cl. 25—154)



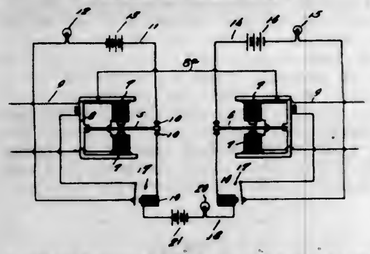
1. The method of forming a light weight, heat and sound proof, self-sustaining building panel of set plastic material and embedded reinforcing, which comprises positioning in spaced relation a plurality of "bond-in" reinforcing members of a height nearly equal to the thickness of the panel-body to be made, embedding the positioned reinforcing members to a portion of their depth with light weight heat and sound-proofing plastic material, assembling continuously backed metal mesh bridge members, mesh side up, in spaced relation to the poured filling between said reinforcing members, pouring filling material over the top of said bridge members to complete the filling of said body and to completely embed the reinforcing members, and allowing said filling to set.

2,040,733
IGNITION ELEMENT FOR SELF-LIGHTING CIGARETTES AND THE LIKE
Ansley H. Fox, Pleasantville, N. J., assignor to Inventions Holding Corporation, a corporation of Delaware
Application April 13, 1933, Serial No. 665,927
2 Claims. (Cl. 52—27)



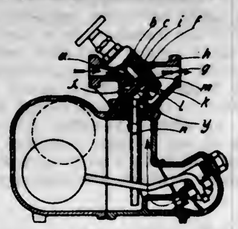
1. As a new article of manufacture, a fuse material in the form of a composite sheet consisting of successively formed interunited layers, one of said layers consisting of powdered glass .36 gramme, dichromate of potash .27 gramme, manganese dioxide .18 gramme, chlorate of potash 3.6 grammes, sulfur .75 gramme, and cellulose acetate 2 c. c., and the other of said layers consisting of powdered glass .22 gramme, dichromate of potash .59 gramme, manganese dioxide .13 gramme, chlorate of potash 3.15 grammes, powdered hickory wood 3.6 grammes, and cellulose acetate 2 c. c.

2,040,734
VISUAL INDICATOR FOR AIRCRAFT RADIO BEACON SYSTEMS
Irving J. Gallagher, Elizabeth, N. J.
Application April 5, 1933, Serial No. 664,658
1 Claim. (Cl. 177—352)



In a radio aircraft beacon indicator, a pair of vibratory armature relays having normally separated contacts, and tuned to different frequencies of vibration, a second pair of relays, having contacts in normally closed circuit position, a circuit to be controlled by each of the vibratory relays including a signal, a source of current, contacts of the corresponding vibratory relay and contacts of a second relay, a third circuit including a signal, a source of current, the magnets of the second relays and contacts of the vibratory relays in series.

2,040,735
STEAM TRAP
Gustav Friedrich Gerdts, Bremen, Germany
Application July 30, 1934, Serial No. 737,519½
In Germany July 31, 1933
4 Claims. (Cl. 137—103)



1. A steamtrap having a casing, a float chamber, a float-controlled main passage and a manually controlled auxiliary passage for discharging mud, comprising, a chamber within the upper part of the casing having a valve seat in a common inlet for both passages, a valve seat in the outlet for the auxiliary passage, a partition about midway between inlet and auxiliary outlet for separating the two passages, a pipe leading from below the partition to the lowest part within the float chamber, and a piston valve passing through the partition adapted to alternately close or open with its opposing ends the inlet and the auxiliary outlet, respectively, and cause part of the condensate with any mud to flow upward through the said pipe and out of the auxiliary outlet of the chamber.

2,040,736
TOP CONSTRUCTION FOR HOSIERY
Jacob A. Goodman, Indianapolis, Ind.
Application May 4, 1933, Serial No. 669,403
6 Claims. (Cl. 66—172)

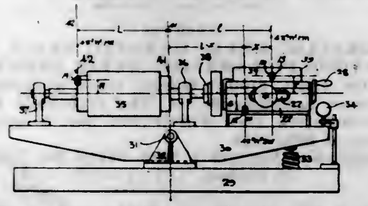
1. A self-supporting short length knitted stocking including a tight knit fabric leg portion of such length as to terminate short of the enlarged calf area of the human leg, an adjoining fabric top portion adapted to overlie said enlarged calf area, and a resilient supporting garter band secured to the upper end of the top portion so as to grip the leg at a point above the enlarged calf



area, said top portion comprising a single ply of light weight relatively sheer and unreinforced fabric fabricated throughout its circumference with a loose and uniform knitted texture and composed throughout of light weight yarn.

2,040,737
WITHDRAWN

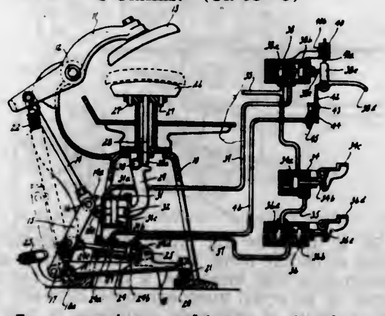
2,040,738
COMPENSATING MECHANISM FOR BALANCING MACHINES
James John Guest, Abbey Wood, England
Application December 21, 1932, Serial No. 648,153
In Great Britain December 21, 1931
6 Claims. (Cl. 73—51)



1. In a compensating mechanism of a rotor balancing machine of the cradle type, a spindle adapted to rotate about an axis constituting an extension of the axis of the rotor member being balanced, a sleeve arranged upon said spindle, means for causing angular displacement of the sleeve by the application of longitudinal pressure to the sleeve, a pair of balancers of substantially equal but opposed mass-radius supported upon said sleeve, and means for moving one of said balancers toward and from the other balancer longitudinally of the sleeve and independently of the angular displacement of the sleeve.

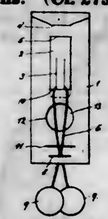
5. In a compensating mechanism of a rotor balancing machine of the cradle type, a spindle adapted to rotate about an axis constituting an extension of the axis of the rotor member being balanced, a sleeve arranged upon said spindle, a spiral thread of relatively steep pitch slidably keying the sleeve to the spindle in such manner that the application of longitudinal pressure to the sleeve causes its angular displacement about the spindle, a pair of balancers of substantially equal but opposed mass-radius supported upon said sleeve, one of said balancers being arranged for movement lengthwise of the sleeve by the application of longitudinal pressure thereto, and independently controlled means for applying pressure to the sleeve and to the said movable balancer.

2,040,739
PRESS CONTROL
Angus F. Hanney, Norwood, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application August 22, 1935, Serial No. 37,324
6 Claims. (Cl. 68—9)



1. In a pressing machine, a pair of coacting pressing members, mechanism for moving one of said members into position adjacent the other, said mechanism being constructed and arranged so that said one member when in said position resists pressure against it, a motor for moving said mechanism to place said one member in said position, control means for said motor, motor means for moving the pressing surface of said other member against said one member in said adjacent position, a control member for said motor means, means normally disabling said control member, power means for enabling the operation of said control member, and power supply means for said power means and operable by operation of said motor sufficient to place said one member in said adjacent position.

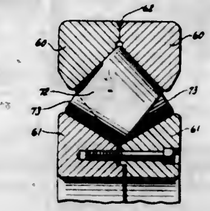
2,040,740
PUZZLE-LOCK
Rudolf Helmers, Mexico, D. F., Mexico
Application July 24, 1934, Serial No. 736,761
In Mexico July 25, 1933
3 Claims. (Cl. 273—153)



1. A puzzle-lock, comprising a member having two superposable portions, which have superposable slots therein, an insert slidably disposed between said portions, shaped to partially close said slots in one of its positions, and adapted to uncover said slots when moved to another position, and locking means passing through said slots and prevented from being withdrawn by the insert when in its closing position.

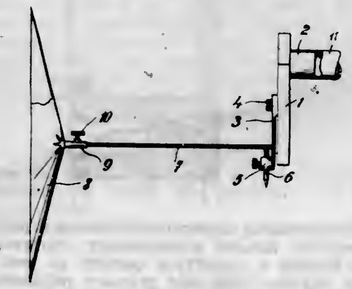
2,040,741
ANTIFRICTION BEARING
William E. Heke, Baltimore, Md.
Application March 20, 1934, Serial No. 716,475
6 Claims. (Cl. 308—214)

1. An anti-friction bearing comprising in combination, a race member, a cooperating race member, each of said race members having oppositely disposed conical raceways therein, and tapered anti-friction rollers disposed closely adjacent each other between said raceways alternately in opposed overlapped relationship to each



other, said rollers bearing upon each of said raceways continuously along the entire length of their elements the large end only of each roller bearing against a raceway opposed to the raceway upon which the roller rolls.

2,040,742
SOUND RECORD REPRODUCING DEVICE
Josef Holy, Vienna, Austria
Application June 16, 1933, Serial No. 676,074
In Austria May 5, 1933
1 Claim. (Cl. 274—16)

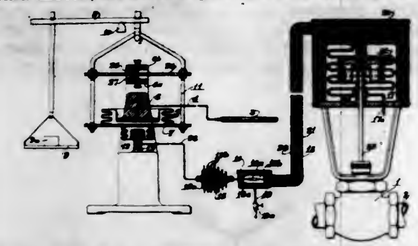


Sound record reproducing device for gramophones, comprising in combination with the tone arm having a sleeve shaped end, a carrier insensitive for the taking up of oscillations inserted in the sleeve-shaped end of said tone arm, a metal tongue bearing against and fixed only at its upper end to said carrier, a needle mounted at the lower end of said tongue and adapted to transmit oscillations to said tongue, a metal rod fixed at one end to said tongue near the lower end thereof and adapted to transmit the movements of said tongue, and a diaphragm mounted on the other end of said rod adapted to be actuated by said rod.

2,040,743
REGULATOR
Karl H. Hubbard, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application July 6, 1931, Serial No. 548,962
17 Claims. (Cl. 236—68)

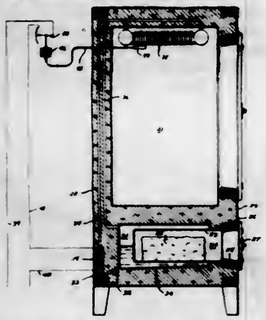
17. In a temperature regulating device, a valve for controlling a heating medium, a motor for operating said valve, a thermostat for injecting a vaporizable liquid into said motor upon changes of temperature, a heating chamber surrounding

said motor, an auxiliary source of heat, and heat-



ing means for said chamber operative from said auxiliary source of heat.

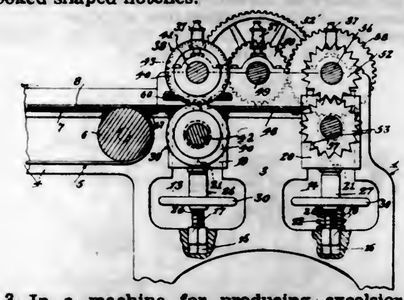
2,040,744
REFRIGERATING APPARATUS
Harry B. Hull, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application January 27, 1932, Serial No. 589,194
Renewed July 17, 1935
9 Claims. (Cl. 62—91.5)



1. Refrigerating apparatus including a primary refrigerating means, a secondary refrigerating means having a liquefying portion in heat exchange relation with said primary refrigerating means, a compartment to be kept cool, said secondary refrigerating means containing a volatile refrigerant, said secondary means having an evaporating means located in said compartment to be kept cool for evaporating said refrigerant and a reservoir portion for receiving condensed refrigerant, said secondary means also having duct means connecting the upper and lower portions of said reservoir portion with said evaporating means, and vapor lift means for lifting said condensed refrigerant from said reservoir portion to said evaporating means, said vapor lift means including an electric heater in heat exchange relation with the lower portion of said duct means connected to the lower portion of said reservoir portion, and thermostatic means responsive to the temperature of said compartment to be kept cool for controlling the operation of said electric heater.

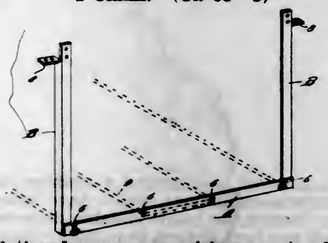
2,040,745
MACHINE FOR MANUFACTURING PAPER EXCELSIOR
Warren Joyce, Cleveland, Ohio
Application August 5, 1931, Serial No. 555,318
6 Claims. (Cl. 154—30)

1. In a machine for producing crimped excelsior, a pair of superposed, rotatable, intermeshing cutting elements for cutting stock into strips and each including spaced circular blades having throughout and transversely of the edge thereof hooked shaped notches.



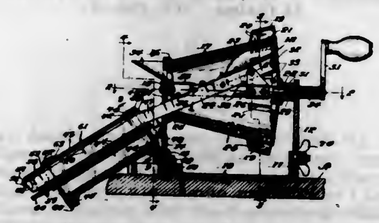
3. In a machine for producing excelsior in crimped strip-like form, a frame including a pair of upstanding side members, a conveyor for the material to be acted upon arranged between opposed portions of said side members, a pair of superposed spaced stripper elements bridging the spaces between and fixedly secured to said side members rearwardly of said conveyor, a pair of spaced independently vertically adjustable lower shafts supported in said side members, a pair of spaced upper shafts aligning with said lower shafts and supported upon said side members, intermeshing superposed strip cutting elements carried by one upper and one lower shaft and traveling through said stripper elements, intermeshing superposed strip crimping elements carried by the other upper and the other lower shaft, means to provide for the synchronous operation of said conveyor, cutting elements and crimping elements, a conducting plate interposed between the top of the lower cutting element and top of the lower crimping element, and a conducting plate interposed between one end of the top of the conveyor and the lower stripper element.

2,040,746
LINE HANGER
Jerome C. Kniedler, Pittsburgh, Pa.
Application May 7, 1935, Serial No. 20,269
1 Claim. (Cl. 68—3)



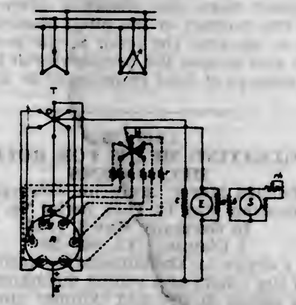
A clothes hanger, comprising a pair of spaced members, each of which is formed of a single bar of angle iron bent to provide a cross-piece, and upstanding end pieces, one of the flanges of the cross piece being vertically arranged and the other flange of the cross-piece extending toward the other member and with the lower ends of the end pieces resting on the ends of the last mentioned flange, the vertical flange of each cross piece having spaced notches therein opening out through the upper edge of said flange, and a clothes line laced through the notches of the pair of cross pieces and providing runners in the line extending parallel with each other.

2,040,747
MAGAZINE FILLING MACHINE AND DISPENSER MAGAZINE
Gustav Koren, New York, N. Y.
Application July 3, 1924, Serial No. 733,669
2 Claims. (Cl. 1—49.6)



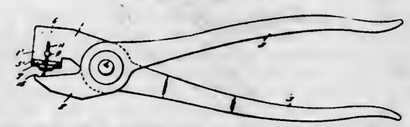
1. A machine of the character described comprising a substantially conical shaped drum having pockets circumferentially arranged next to the larger end thereof, means rotatably supporting the said drum, a feed trough arranged interiorly of the drum and inclined in the direction of its smaller end with the lowermost end of said trough projected exteriorly of the drum, a hopper at the uppermost end of said trough for delivering tacks to the latter from the said pockets, a clapper operating upon the trough for vibrating the same to effect the gravitation of the tacks therein, means on the drum for intermittently operating the clapper, a magazine coupling head associated with the supporting means for the drum and having the feed trough extended therethrough for communication with the magazine when fitted with said head, a feed spout associated with said supporting means and inclined toward the larger end of the drum and extending through the smaller end of the latter above the feed trough, a guard associated with the trough for knocking tacks therefrom when irregularly coasting upon said trough to eliminate jamming thereof, and a relief trough carried by the supporting means for the drum for receiving tacks that may become crowded at the lower end of the trough.

2,040,748
VAPOR ELECTRIC DISCHARGE DEVICE
Louis Leroy, Paris, France, assignor to Forges et Ateliers de Constructions Electriques de Jeumont, Société Anonyme, Paris, France, a French joint-stock company
Application May 18, 1934, Serial No. 726,405
In France May 23, 1933
17 Claims. (Cl. 175—363)



1. Means for regulating a vapor electric discharge device provided with an anode, a cathode and a control grid, and having alternating potentials applied between said anode and cathode and control grid, with a continuous voltage component superposed on the alternating potential between said control grid and cathode, comprising a dynamo-electric machine generating said continuous voltage component, a shunt field winding for said machine, other field-exciting means adapted to vary the total field excitation of said machine, and an independent source of current, said other field exciting means being energized by said discharge device and said independent source of current, acting in opposition.

2,040,749
STAMPING DEVICE
Marion D. Linn, Whiteriver, Ariz.
Application April 16, 1935, Serial No. 16,715
1 Claim. (Cl. 101—3)



A stamping device comprising a supporting member having a guideway therein formed with laterally extending parts at one end thereof, a die plate having its side edges engaging the guideway and provided with laterally extending wings for engaging said end parts, the wing carrying part of the plate having a recess therein, a rod slidably supported by the supporting member and having a head for engaging the recess to hold the plate in position and a spring on the rod for normally holding the same in position with the head in engagement with the recess.

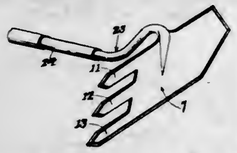
2,040,750
CARD HOLDER
George E. Long, Pittsburg, Kans., assignor to Raymond W. Rush and Edward J. Schulte, Girard, Kans.
Application January 7, 1935, Serial No. 763
1 Claim. (Cl. 40—11)



A card holder comprising a plate including a central web, relatively narrow side tongues arranged in pairs extending in opposite directions from the web, relatively wide center tongues extending in opposite directions from the web with one center tongue for each pair of side tongues and disposed between the same for cooperation therewith, one pair of side tongues having their outer ends outwardly flared and the center tongue thereof being offset from the web at an inclination and having its outer end outwardly flared in a direction opposite to the flared ends of the side tongues, the other pair of side tongues being

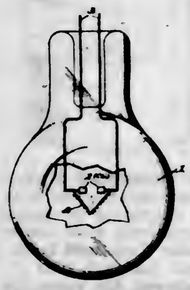
straight throughout their length and the center tongue thereof being offset from the web in a direction opposite from that of the other center tongue, said second mentioned center tongue being longer than its side tongues and terminating outwardly beyond the ends thereof, and a rounded bead formed on the longer tongue adjacent its free end to provide a groove extending transversely thereof.

2,040,751
CULTIVATOR
Anthony Marseilles, Mystic, Conn.
Application May 29, 1935, Serial No. 24,113
3 Claims. (Cl. 97—66)



1. In a cultivator, an upstanding substantially flat rectangular body of blade-like form, said blade having its lower portion formed with a cutting edge consisting of a continuous straight central part lengthwise thereof and a pair of oppositely disposed outwardly inclined upwardly extending end parts, said central part merging at its ends into the lower ends of said end parts and being of materially greater length than the said end parts, said blade inclining forwardly from its lower to its uper edge and provided intermediate the ends of its upper edge with an upstanding extension, a rearwardly directed shank for connection to a handle, said shank having a depending inwardly inclined front part disposed upon and transversely of the outer face of said body part, said inclined front part being positioned upon, lengthwise of and seated upon the upper edge of said extension, and said front part, body part and extension being integral with each other.

2,040,752
VACUUM TUBE
Oran T. McIlvaine, Cleveland, Ohio, assignor to McIlvaine Patent Corporation, St. Charles, Ill., a corporation of Delaware
Application January 17, 1930, Serial No. 421,433
7 Claims. (Cl. 176—1)



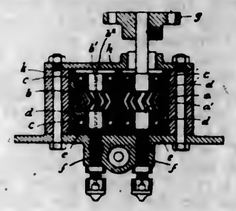
1. A gaseous discharge tube containing a gaseous atmosphere, aligned electrodes consisting essentially of carborundum arranged in said gaseous atmosphere, and a filament arranged in said gaseous atmosphere electrically in parallel with the electrodes.

2,040,753
ELECTRIC RAY PRODUCING DEVICE
Oran T. McIlvaine, Cleveland, Ohio, assignor to McIlvaine Patent Corporation, St. Charles, Ill., a corporation of Delaware
Application February 3, 1930, Serial No. 425,455
13 Claims. (Cl. 176—1)



1. An electric lamp comprising a closed transparent container having therein an atmosphere of readily ionizable gases at a pressure between about 1 and 300 mm. of mercury when cold, spaced metallic electrodes inside said container, leading-in wires connected to said electrodes respectively, and an insulated wire-coil surrounding and spaced from each of said electrodes, the electrodes being hollow and cylindrical and having their adjacent ends open and their axes substantially parallel to the axes of said coils.

2,040,754
ROTARY FLUID PUMP
Robert James McLeod, London, England
Application December 23, 1932, Serial No. 648,678
In Great Britain September 30, 1932
2 Claims. (Cl. 103—126)

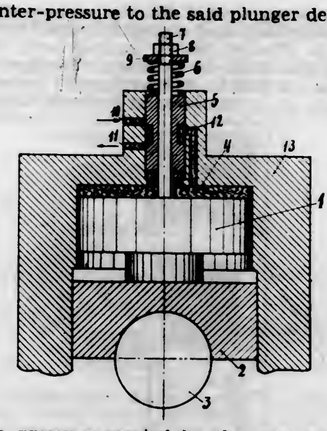


1. A fluid rotary pump comprising a casing, an inlet and an outlet therefor, double helical toothed rotors, meshing one with the other, means for driving said rotors, the addenda of the teeth on the rotors being greater than the value given by the reciprocal of the diametral pitch, and the dedenda greater than the value 1.1 divided by the dimetral pitch, the rotors intermeshing in normal manner with simultaneous engagement of the teeth in all phases of tooth engagement, the total face width of each double helical tooth (i. e. the total face width of the rotor) being shorter than the distance given by one quarter the product of the pitch diameter of the gear by π, whereby the teeth at the point of intermesh and around the peripheries of the rotors inhibit passage of fluid from outlet to inlet.

2,040,755
REGULATING MEANS FOR ROLLING MECHANISMS
Eduard Meyer, Mulheim, Germany
Application May 13, 1935, Serial No. 21,279
In Germany May 8, 1934
2 Claims. (Cl. 80—56)

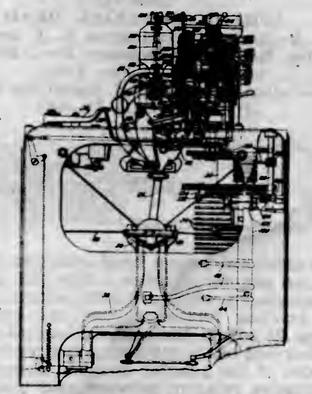
1. In a device for the automatic relative adjustment of the rollers of a rolling mechanism, a cylinder, a piston in the said cylinder governed by the rolling pressure of the said rollers, a piston rod, a plunger slidable on the said piston rod, means for applying pressure to the said piston and the said plunger, and means for applying

a counter-pressure to the said plunger dependent



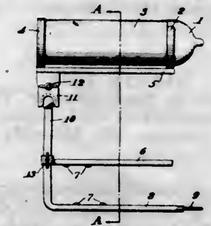
on the pressure exerted by the said rollers on the said piston.

2,040,756
MACHINE FOR OPERATING UPON SHOES
Alfred R. Morrill, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application October 24, 1934, Serial No. 749,791
20 Claims. (Cl. 12—17)



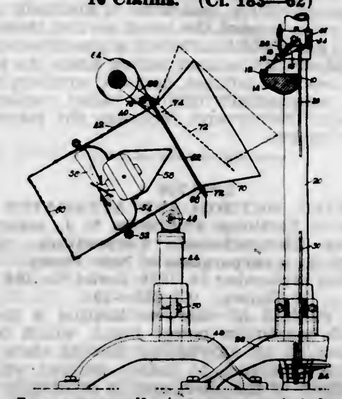
1. A machine for operating upon shoes having, in combination, two tools arranged alternatively to operate upon the sole margin of a shoe, a shoe supporting jack, means for imparting relative positioning movements to the tools and to the jack to transfer the point of operation around a shoe supported on the jack, a templet fixed with relation to the jack and shoe supported thereon, a shoe grading mechanism cooperating with said templet for causing said tools to follow a predetermined contour with relation to said templet and comprising a member movable in accordance with a predetermined pattern during the transfer of the point of operation about the shoe, a stop motion for the machine, means for relatively moving the tools and the jack to locate the tools interchangeably in operating position, and a control device actuated by said stop motion and by said grading mechanism for substituting said tools one for the other at predetermined positions during the transfer of the point of operation about the shoe.

2,040,757
INFANT'S NURSING BOTTLE AND NIPPLE HOLDER
Nellie Scroble Murphy, Orlando, Fla.
Application October 20, 1934, Serial No. 749,194
1 Claim. (Cl. 248—103)



A nursing bottle holder comprising a supporting post provided with a ball at its upper end and with a laterally extending rigid clamping arm at its lower end, a bottle holding cradle consisting of a base bar, a rigid cap secured to the top of and extending upright from one end of said bar and designed to receive and serve as a stop for the bottom of the bottle, a spring grip at the opposite end of said base bar to receive the top part of the bottle, the cap serving to hold the bottle in fixed relation to said grip, a depending clamp secured to the end of the base bar directly below the cap and adapted to embrace the ball on the upper end of the post, means for adjustably securing said clamp to said ball to thereby hold the cradle in fixed relation to the post with the major portion of the bottle cradle extending laterally from the post, an adjustable clamping bar mounted on the post and extending parallel with the rigid clamping arm at the bottom of the post, the adjustable clamping bar and the rigid clamping arm and the base bar of the bottle cradle being of substantially the same length and all extending to the same side of the post.

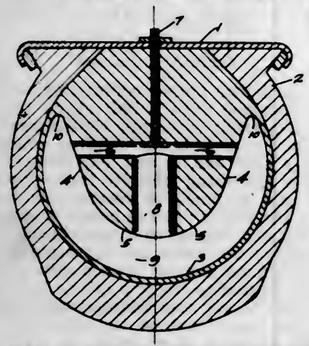
2,040,758
SPRAY COLLECTOR
Walter E. Naugler, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application April 3, 1935, Serial No. 14,540
10 Claims. (Cl. 183—62)



1. In a spray collector, a support, tubular members carried thereby and coacting to provide a passage, a supply of sheet filter material in the form of a strip a portion of which is formed into a supply roll, said passage-providing members

being positioned in end-to-end relation upon opposite sides of said strip, and means near the adjacent ends of said tubular members for supporting said supply roll whereby the strip may be moved transversely of the passage at intervals thereby drawing a fresh portion of the strip from the supply roll into the passage.

2,040,759
SAFETY TIRE
Waldo D. Nore, Pitcairn, Pa.
Application December 5, 1934, Serial No. 756,099
2 Claims. (Cl. 152—10)

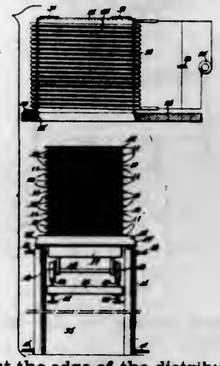


1. A safety tire comprising, in combination, a casing having a rim-engaging portion, a tread portion, and side walls; a resilient, non-inflatable inner auxiliary tire within said casing, means for providing a substantially crescent-shaped inflatable air-chamber extending over the outer periphery of said auxiliary tire, within said casing, and valve-means whereby said air-chamber means may be inflated; said air-chamber extending around the inside of the wall portions of said casing, to a point radially within the point of maximum axial extent of said casing when said air-chamber is inflated; said auxiliary tire having a radial thickness sufficient to extend to a point between said tread portion and said point of maximum axial extent of said casing when said air-chamber is inflated; said auxiliary tire having a wide rim-engaging portion affording a firm foundation against rolling, and being of gradually decreasing width toward the tread portion thereof, whereby it has a width sufficient to give the casing substantial support against rolling when the air-chamber means is deflated; and said auxiliary tire having a substantially uniform radial resilience at all points therearound, including the place of said valve-means.

2,040,760
HEATING METHOD AND APPARATUS
Edwin Fitch Northrup, Princeton, N. J., assignor to Ajax Electrothermic Corporation, Ajax Park, N. J., a corporation of New Jersey
Application September 24, 1930, Serial No. 484,120
12 Claims. (Cl. 219—10)

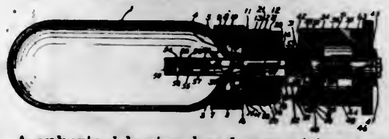
1. The method of edgewise heating a metal sheet with maximum power input, which consists in passing an alternating current about its outside circumference to induce current within the periphery of the sheet and in artificially increasing the resistance of the portion of the sheet within which the induced current travels by cutting the sheet part way across.

6. In mechanism for heating metallic charge sheets having relatively low heat conductivity, such as iron or steel, a distributor sheet of metal of relatively high heat conductivity such as copper placed in effective lateral contact with one or more of the sheets to be heated, the distributor sheet having cuts in its periphery to increase its resistance to circumferential currents, an induc-



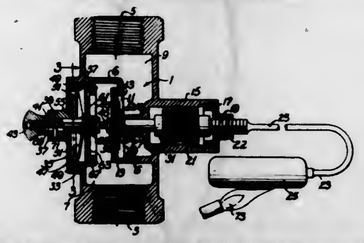
tor coil about the edge of the distributor sheet and a source of alternating current for the coil, the frequency and the cuts being so proportioned that the resistance will approach in value the reactance in the distributor sheet for the alternating current induced in it.

2,040,761
SPHERICAL BORING HEAD
Anton Rothschmitt, Irvington, N. J., assignor to Walter Kidde & Company, Inc., Bloomfield, N. J., a corporation of New York
Application July 20, 1933, Serial No. 681,291
4 Claims. (Cl. 77—58)



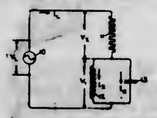
1. A spherical boring head comprising a guide collar, an adapter member, a hub with a reduced bore associated with said guide collar, an elongated bushing formed at one end for a close running fit within the reduced bore of said hub, the other end of the bushing being received within a bore of the adapter member, means to prevent relative rotation between said bushing and said adapter member, a boring bar carried by the bushing and secured against translation and rotation with respect thereto, a machining tool holder pivotally carried by the boring bar and normally lying within a recess thereof, a push rod mounted for longitudinal movement within the bushing and attached to the adapter member, a push rod extension secured to the push rod and guided by and passing through the boring bar, means connecting said machining tool holder and said push rod extension and normally lying within a recess of the boring bar, a spring within the bore of said adapter member serving to yieldingly resist movement of the push rod within the bushing, a thrust bearing encircling the aforesaid hub and bearing on one face against said guide collar, a thrust ring encircling the aforesaid bushing and bearing against the other face of the thrust bearing, and an adjusting ring encircling said bushing and having a screw-threaded engagement therewith, said adjusting ring bearing against said thrust ring.

2,040,762
THERMOSTATICALLY CONTROLLED DEVICE
John A. Spencer, Newtonville, Mass., assignor to General Plate Company, Attleboro, Mass., a corporation of Massachusetts
Application April 9, 1934, Serial No. 719,704
4 Claims. (Cl. 158—117.1)



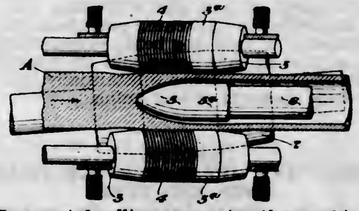
1. A temperature controlled device comprising actuated control means, actuating means for said control means, said actuating means comprising a radially corrugated snap-acting resilient metal disc having a position of absolute stability and a position of comparative stability, and being characterized in that the force required to initiate movement of said disc from its position of absolute stability to its position of comparative stability is greater than the force required to maintain said disc in its position of comparative stability, thermally responsive means comprising a bulb and bellows unit positioned to react upon said actuating means and, under proper thermal conditions, to supply the force necessary to maintain said disc in its position of comparative stability, said thermally responsive means, however, being incapable, under normal temperature variations, of supplying a force sufficiently great to initiate movement of the disc from its position of absolute stability to its position of comparative stability, and manually operable means for supplying sufficient force to move said disc from its position of absolute stability to its position of comparative stability.

2,040,763
ELECTRIC CIRCUIT CONTROL MEANS
Claude M. Summers, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application December 23, 1932, Serial No. 648,629
27 Claims. (Cl. 171—119)



23. An electric system comprising a source of alternating current, a capacitance element and an inductance element connected in parallel relation for energization from said source, the volt-ampere characteristics of said elements being linear and non-linear respectively and so chosen as to converge over the intended range of operation of said system, an impedance connected in series relation with said parallel-connected elements, said impedance element being arranged to provide a minimum value of impedance below which the system exhibits an unstable current-voltage condition of operation during which the current to said parallel-connected elements is a discontinuous function of the voltage across said parallel-connected elements when the voltage of said source is of a predetermined value.

2,040,764
APPARATUS FOR FORMING TUBULAR BLANKS
Bryant Bannister, Mount Lebanon, Pa., assignor to National Tube Company, a corporation of New Jersey
Application May 10, 1933, Serial No. 670,345
2 Claims. (Cl. 80—13)

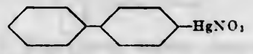


1. In a metal rolling apparatus the combination of a mandrel, reducing rolls disposed in cooperative relation with the mandrel to form a pass and cause the blank to bulge laterally away from the mandrel and to move the metal of the blank helically, and blank feeding means including blank-engaging cross-feed rolls located in the pass with their axes extending lengthwise thereof, said feed rolls presenting portions extending lengthwise of the pass for contact with the blank longitudinally thereof to limit bulging of the blank and to apply extraneous feeding forces to the blank for assisting both the longitudinal and peripheral components of the movement of the metal, said feed rolls being peripherally grooved for furthering the longitudinal component and having their contact surfaces nearest the longitudinal center line of the pass spaced a materially greater distance therefrom than the corresponding surfaces of said reducing rolls.

2,040,765
PREPARATION OF ARYL-MERCURIC NITRATES AND A PRODUCT THEREOF
Edgar C. Britton, Ralph P. Perkins, and Joseph T. Lundquist, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application January 30, 1933, Serial No. 654,242
15 Claims. (Cl. 260—13)

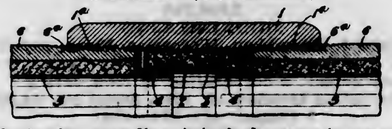
1. The method of making an aryl-mercuric nitrate which comprises reacting nitric acid with an aryl-mercuric salt of a lower fatty acid.

13. 4-biphenyl-mercuric nitrate, having the formula



and decomposing at about 180° C.

2,040,766
PIPE COUPLING
Eugene L. Chappell, Pittsburgh, Pa., assignor to National Tube Company, a corporation of New Jersey
Application September 27, 1934, Serial No. 745,789
2 Claims. (Cl. 285—148)



1. A pipe coupling interiorly carrying a centrally arranged member providing a cylindrical

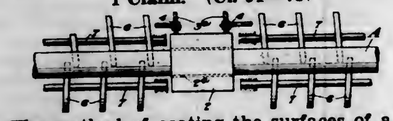
bore that is concentric therewith and having at least one cylindrical ring tightly fitted within said bore, said member and said ring being respectively constructed and arranged so that the end of the latter substantially registers with the end of the lining of a lined pipe received by said coupling and so that said ring may move within said bore sufficiently to accommodate longitudinal movement of said pipe respecting said coupling incidental to tightening operations, the inside diameter of said ring being substantially the same as that of said lining and the outside diameter of said ring being substantially less than the outside diameter of said lining.

2,040,767

METHOD AND APPARATUS FOR COATING PIPES AND TUBES

Wray Dudley, Mount Lebanon, Pa., assignor to National Tube Company, a corporation of New Jersey

Application May 24, 1933, Serial No. 672,718
1 Claim. (Cl. 91—73)



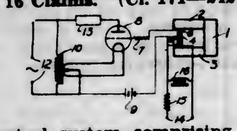
The method of coating the surfaces of a long metallic tube with a vitreous enamel coating which consists in applying the coating to the surfaces of the tube in the form of moistened frit, moving the tube through an electric induction heating furnace having a length equal to only a fraction of the length of the tube to be coated, and inducing electric heating currents in said tube progressively from end to end as it moves through the furnace whereby heat of sufficient magnitude is generated in the metal of the tube to fuse the frit on its surfaces to form the vitreous enamel coating.

2,040,768

ELECTRICAL STANDARD

Donald V. Edwards, Montclair, N. J., assignor to Electrons, Incorporated of Delaware, a corporation of Delaware

Application January 16, 1935, Serial No. 2,059
16 Claims. (Cl. 171—242)



10. A control system comprising a source of voltage to be controlled, a grid controlled gaseous discharge tube having a load circuit capable of controlling said source, a grid circuit for said tube, a permanent magnet, a magnetic armature normally saturated thereby, a primary winding on said armature the current in which is responsive to said voltage, and a secondary winding on said armature connected in said grid circuit.

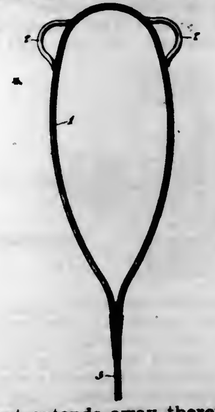
2,040,769

MOORING LINE

Edward J. Fitzgibbon, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey

Application October 14, 1935, Serial No. 44,959
1 Claim. (Cl. 114—230)

A mooring line having a closed loop formed in one of its ends, said loop being adapted to be manually placed over a mooring post or the like during ship mooring operations and being provided with at least two becket loops that are equally spaced to either side of the part of said loop that is diametrically opposite the part of



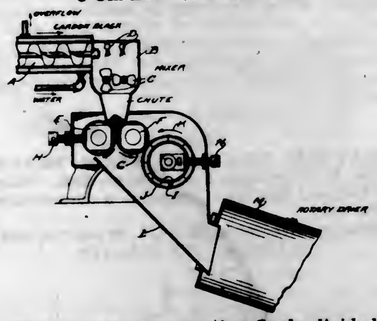
said line that extends away therefrom, whereby use of said becket loops when said line is under at least some tension causes said loop to spread.

2,040,770

PROCESS OF FORMING AGGLOMERATED CARBON BLACK

Hans Walter Grote, Charleston, W. Va., assignor to United Carbon Company, Inc., Baltimore, Md., a corporation of Maryland

Application August 22, 1933, Serial No. 686,311
3 Claims. (Cl. 134—60)



1. The process of converting finely divided and dusty carbon black into a product which is substantially dustless, comprising moistening carbon black with a volatile liquid, forming a thin sheet of the moistened carbon black, subdividing said sheet into small irregularly shaped masses of carbon black agglomerates and drying the said masses, whereby a granular product is formed which is substantially dustless.

2,040,771

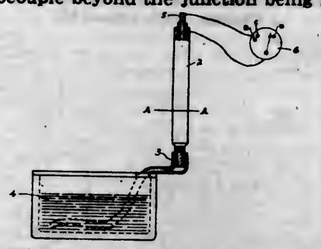
HYGROMETRIC APPARATUS

Albert H. Heyroth, Niagara Falls, N. Y., assignor to The Glebar Corporation, Niagara Falls, N. Y., a corporation of New York

Application April 27, 1934, Serial No. 722,755
2 Claims. (Cl. 73—24)

1. A humidity indicator comprising a non-metallic porous element and a porous metallic

element having a junction of substantial area therewith, said elements constituting a thermocouple having a very high thermoelectromotive power, means for applying moisture to the outer surface of the thermocouple adjacent the junction of said elements, the outer surface of the thermocouple beyond the junction being impreg-



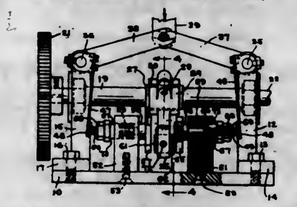
nated with a non-hygroscopic material to limit the area of evaporation, and a sensitive electric current indicator connected to the separated ends of the thermocouple elements whereby the indicator is responsive to the rate of evaporation from the porous junction end of the thermocouple.

2,040,772

MAKE AND BREAK SWITCHING DEVICE

Edward E. Johnson, St. Paul, Minn., assignor to Edward E. Johnson, Incorporated, St. Paul, Minn.

Application December 14, 1934, Serial No. 757,579
9 Claims. (Cl. 200—33)



6. A make-and-break switch for electric circuits comprising two pairs of arcuate contact sectors held in spaced parallel relation in said circuit and breaking the same through said spacing, a shaft in spaced relation to each pair of sectors, a contact member carried by each shaft in position to be brought to fill the gap between its adjacent first-named contact members over definitely-timed intervals during each cycle of rotation of the shafts, means to rotate the shafts, and means to adjust the relation of contacts for said last-named rotated contact members to lengthen or shorten the period of contact and closing of the circuit during each cycle of rotation of the two shafts.

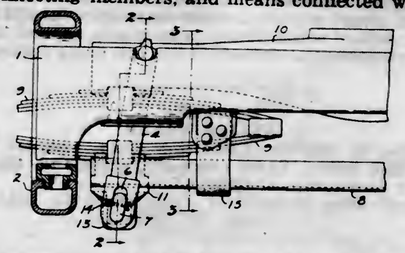
2,040,773

RAILWAY CAR TRUCK

Frank W. Lewis, Davenport, Iowa, assignor to The Bettendorf Company, Bettendorf, Iowa, a corporation of Iowa

Application December 12, 1934, Serial No. 757,111
11 Claims. (Cl. 105—190)

1. In a car truck the combination with a transom of a swing motion bolster, a plank for supporting said bolster, a pair of depending swing hangers pivotally connected to said transom near each end thereof, each pair of swing hangers having a connecting member in bearing engagement with the under side of said plank, means associated with said plank to surround each of said connecting members, and means connected with



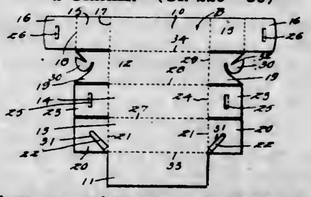
said transom and underlying said plank to support said plank in the event of breakage of one or more of said swing hangers.

2,040,774

BOX

William R. Looney, Los Angeles, Calif., assignor to Harry Bergman, John B. Horbach, and J. Arthur Greenfield, Los Angeles, Calif.

Application December 1, 1934, Serial No. 755,596
2 Claims. (Cl. 229—36)



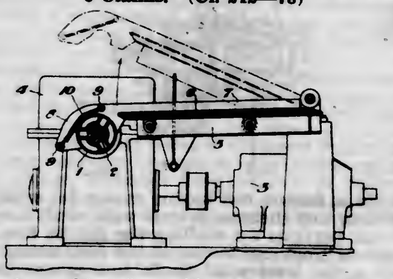
1. A box, comprising a single sheet of material having integral sides, bottom and a pair of top members, a pair of end walls carried one at each end of the bottom member, interengaging end wall members carried by the side members, pairs of connected end wall members secured at an end of one of the top members, there being one pair at each end of said one top member, the outermost of said pair of connected end wall members being insertable between the bottom end member and said interengaging end wall members, and interlocking means carried by said outermost end wall member and said bottom end wall member.

2,040,775

COILING STRIP

Edwin T. Lorig, Gary, Ind., assignor to American Sheet and Tin Plate Company, a corporation of New Jersey

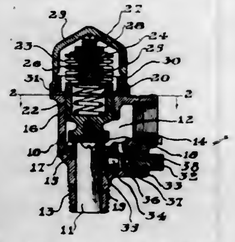
Application February 13, 1933, Serial No. 656,631
6 Claims. (Cl. 242—78)



2. A machine for coiling strip including the combination of a rotary carrier, means for turn-

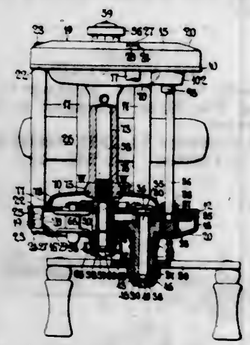
ing said carrier, means for feeding the strip longitudinally onto said carrier to form a coil and a taut piece of flexible material arranged to be pressed substantially tangentially against the circumferential surface of the coil being formed.

2,040,776
RELIEF VALVE
John T. Marvin, Cleveland, Ohio, assignor to The Patrol Valve Company, Cleveland, Ohio, a corporation of Ohio
Application January 11, 1934, Serial No. 706,249
6 Claims. (Cl. 137—53)



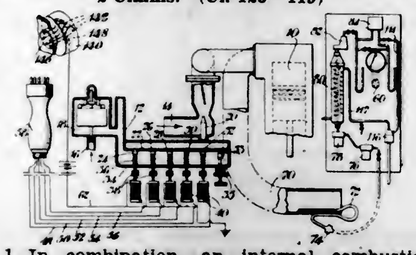
3. A relief valve comprising a valve casing having inlet and outlet ports and a valve seat therebetween; a unitary subassembly including a valve engageable with the valve seat, a closed housing having one end thereof connected with the valve, said housing having a flexible metallic wall adapted to be flexed by excessive pressure in the inlet port, means within the housing exerting a normal closing pressure on the valve; and a cap for the casing cooperating therewith to form an enclosure for the subassembly and engaging the end of the subassembly opposite the valve and serving as an abutment therefor.

2,040,777
FISHING REEL
Hyla F. Maynes, North Tonawanda, N. Y., assignor of one-half to Emma C. Maynes, North Tonawanda, N. Y.
Application December 9, 1935, Serial No. 53,635
9 Claims. (Cl. 242—84.4)



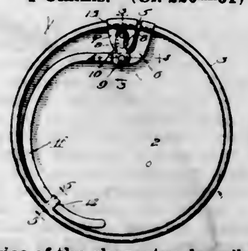
1. In a fishing reel having means for winding a fishing line thereon, a level wind shaft having guiding portions for shifting the fishing line alternately from end to end of the reel, means for driving the level wind shaft, and means overlapping a portion of the shaft for shifting the line into guided position upon the shaft adjacent an end thereof.

2,040,778
COMBUSTION EFFICIENCY ADJUSTING APPARATUS
John D. Morgan, South Orange, N. J., assignor to Doherty Research Company, New York, N. Y., a corporation of Delaware
Application January 28, 1932, Serial No. 589,441
2 Claims. (Cl. 123—119)



1. In combination, an internal combustion motor having an exhaust pipe and a carbureter equipped with valves for controlling the supply of an element of combustion to the motor, a gas analyzer adapted for operative connection to the motor exhaust pipe and including as an element thereof an instrument for measuring the proportion of combustible present in the exhaust gases, an electrically controlled actuating element for the carbureter valves, a calibrated combustion efficiency selector embodying a multi-contact switch connected in electrical circuit with said valve actuating element, and means adapted to operatively connect the valve actuating element with the measuring instrument of the gas analyzer.

2,040,779
RING FOR SECURING HEADS TO CONTAINERS
Jens B. Norwood, Chicago, Ill., assignor to National Steel Container Corporation, a corporation of Illinois
Application May 27, 1935, Serial No. 23,539
4 Claims. (Cl. 220—61)

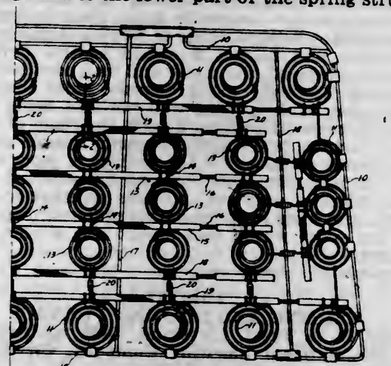


1. A device of the character described, comprising a divided contractile ring, said ring having inward projections in the plane thereof at the free ends, a rigid lever pivoted to one of said projections to swing in the plane of the ring, the second projection having therein a cam slot extending transversely of the adjacent part of the ring, a cam roll on one arm of said lever engaged in said slot, and means on the ring remote from the free ends to engage the other arm of the lever and hold it to lock the ring in a contracted condition.

2,040,780
SPRING STRUCTURE
Clair S. Reed, Jackson, Mich., assignor to Reynolds Spring Company, Jackson, Mich., a corporation of Delaware
Application September 25, 1933, Serial No. 690,795
1 Claim. (Cl. 155—179)

In a spring construction for vehicle seats, the

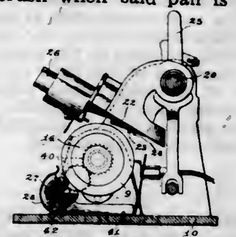
combination of an upper border frame of wire having front, end and rear sides, of front and rear marginal rows of spaced coil springs having the top helices thereof clipped along said front and rear sides, inner rows of coil springs substantially paralleling said front marginal rows and being similarly spaced and in substantially aligned relation with respect to the springs of said front marginal rows, adjacent rows of said inner rows being closely disposed with springs in adjacent rows thereof in opposed relation and the top helices thereof clipped together, the most adjacent of said inner rows to said front marginal row being spaced a substantially greater distance from said front marginal row than the spacing of adjacent inner rows, a flexible vertically disposed strip located between adjacent rows of said inner rows, a spaced pair of flexible vertically disposed strips located between said front marginal row and said inner row most adjacent thereto, said strips between said adjacent inner rows being secured at the upper edges to the top helices of the springs and to the lower part of the spring struc-



ture at their lower edges to hold the springs under compression, said spaced pair of strips being similarly secured to the inner side of said front marginal row and to the outer side of said inner row most adjacent thereto, horizontally disposed helical springs connecting the top helices of aligned spaced springs in said front marginal row and said inner row most adjacent thereto, said spaced pair of strips bridging the spacing between the springs in rows with which they are associated and acting to render support to the upholstery padding in the region of maximum spacing between the springs and to control the contour of said marginal row and said inner rows most adjacent thereto, said horizontally disposed helical springs constituting the only direct connection between the upper part of said inner rows of springs and said front marginal row of springs whereby permanent distortion of said front side of said upper frame following excessive differential depression of said front marginal row and said inner rows of springs is obviated.

2,040,781
DICTATING MACHINE
John E. Renholdt, Bridgeport, Conn., assignor to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application October 30, 1931, Serial No. 572,015
Renewed March 14, 1934
22 Claims. (Cl. 274—47)

1. In a dictating machine, in combination, a record support, a pan removably mounted under said support, a rotatable brush removably mounted on said pan, and driving means adapted to drive said brush when said pan is in position

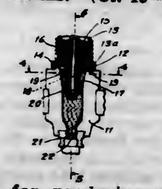


under said support, said driven brush being adapted to brush the surface of a record mounted on said support.

2,040,782
MANUFACTURE OF OLEFINE OXIDES
Adrianus Johannes van Peski, Amsterdam, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application November 5, 1934, Serial No. 751,579. In the Netherlands April 26, 1934
23 Claims. (Cl. 260—54)

1. A process for the production of olefine oxides which comprises reacting an olefine with oxygen in the presence of a silver catalyst obtained by effecting the thermal decomposition of silver oxalate, said reaction being effected at a temperature not substantially less than 200° C. but below the temperature at which pyrolytic side reactions are substantially favored.

2,040,783
METHOD OF AND APPARATUS FOR MANUFACTURING HOLLOW GLASSWARE
George E. Rowe, Wethersfield, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application December 15, 1934, Serial No. 757,595
4 Claims. (Cl. 49—9)



1. Apparatus for producing a glass parison comprising an inverted parison mold adapted to receive a charge of molten glass of insufficient mass completely to fill the cavity of said mold, a plunger movable from a position above the mold downwardly into the glass in the mold axially of the mold cavity, the portion of the plunger immersed in the glass during the downward movement of the plunger and the adjacent portions of the mold cavity being of sizes and shapes predetermined with relation to one another so that the plunger is spaced from the walls of the mold cavity at all places around the plunger by a space that is of different widths at different places around the plunger.

3. The method of producing a parison for a bottle or like article which comprises the steps of receiving a charge of molten glass in the cavity of an inverted parison mold, causing upward

displacement of glass of the charge along the walls of a previously unfilled portion of the mold cavity to different levels at different places around the wall of the mold cavity while at the same time producing a depression within the confines of the upwardly displaced glass in the mold, and counterblowing the glass in the mold cavity to effect obliteration of the depression within the upwardly displaced glass and to produce a counterblown hollow parison that is adapted for further expansion into the article desired.

2,040,784

METHOD OF PRODUCING TEXTILES

Albert Bodmer, Wattwil, Switzerland, assignor, by mesne assignments, to Para Fabrics Corporation, New York, N. Y., a corporation of New York

No Drawing. Application January 10, 1934, Serial No. 706,097. In Germany September 22, 1930

6 Claims. (Cl. 28—1)

1. The method of producing woven textile fabric containing cotton yarn having a substantial reduction from the usual twist, which comprises taking such a yarn which has insufficient strength for the weaving of such fabric and giving it the necessary strength for such weaving by moistening it to that extent and then weaving the yarn while moist to said extent.

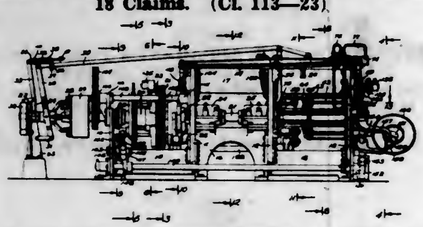
2,040,785

DRUM MAKING MACHINE

Joseph F. Esch, Port Neches, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application March 18, 1933, Serial No. 661,552

18 Claims. (Cl. 113—23)



1. In a drum making machine, the combination of a rotatable drum holder adapted to engage the body portion of a drum and to hold the drum in a horizontal position, a plurality of forming rollers for forming a flange on one end of said body portion, a carriage for swinging a preformed drum bottom into position against said flange; a plurality of forming rollers for uniting said preformed drum bottom and said flange, and a plurality of rollers for forming a temporary cover holding flange on the other end of said body portion.

13. In a drum making machine, the combination with a rotatable shaft, of an expandible holder mounted on said shaft and adapted to hold a preformed cylindrical drum body, said holder comprising a plurality of radially movable expander segments at each end of said holder, a plurality of longitudinally movable levers disposed parallel to said shaft, means pivotally connecting each of said levers with a pair of said expander segments, and means for moving said levers longitudinally to effect a radial movement of said expander segments and force the segments into engagement with the inner wall of a drum body on said holder.

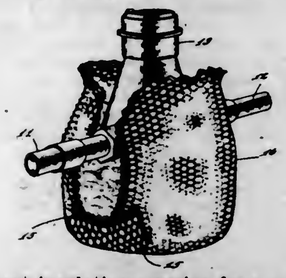
2,040,786

METER INSULATION

John L. Ford, Wabash, Ind., assignor to The Ford Meter Box Company, Wabash, Ind., a corporation of Indiana

Application December 26, 1934, Serial No. 759,189

8 Claims. (Cl. 154—44)



1. A heat-insulating covering for a meter, comprising a basket materially larger than the meter, said basket being formed of flexible foraminous material and having a dished central portion disposed beneath the meter and wall portions extending upwardly along opposite sides thereof, the upper ends of said wall portions being deflected inwardly to form a neck, the edges of said wall portions below said neck being spaced apart to provide openings for the passage of pipes connected with the meter, means for securing the side edges of said wall portions together at the neck, and loose heat-insulating material disposed in the space within said basket and around the meter.

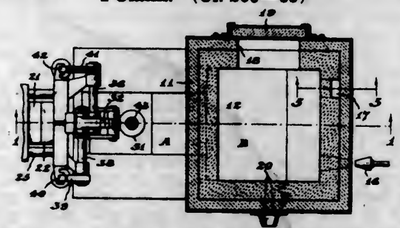
2,040,787

MELTING AND HOLDING FURNACE

John G. G. Frost, Cleveland, Ohio, assignor to The National Smelting Company, Cleveland, Ohio, a corporation of Ohio

Application May 18, 1931, Serial No. 538,144

1 Claim. (Cl. 266—33)



A furnace for melting and holding non-ferrous metals in which a low iron content is desired, comprising a refractory lined bottom, end, and side walls, one of said end walls and a portion of each of the side walls extending a substantial distance above the remaining end wall, a cover of refractory material extending over that portion of the furnace defined by the upwardly extending wall portions, and a wall formed of refractory material extending downwardly from the free end of said cover to a point below the normal operating level of the molten metal in the furnace, thereby dividing the furnace into a closed heating portion and an open holding portion, said refractory wall being spaced from the bottom of the furnace to permit molten metal to flow freely from the heating portion into the open portion, means for projecting a flame substantially horizontally through one of the walls of the closed heating portion of the furnace into the interior of said heating portion above the metal, a charging opening in said closed heating portion, a door for closing said opening, and a flue passageway opening into said closed heating portion for carrying off the products of combustion, said flue passageway being positioned in the same wall of the closed heating portion as the means for projecting a flame, and having its opening into said closed heating portion adjacent the normal level of the molten metal, for carrying off the products of combustion, said flue opening being also positioned with respect to said flame projecting means, so that the hot gases projected substantially horizontally across the closed heating portion and above the metal will return substantially horizontally over the metal to escape through the flue opening.

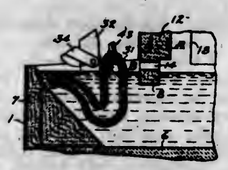
2,040,788

MELTING AND HOLDING FURNACE

John G. G. Frost, Cleveland, Ohio, assignor to The National Smelting Company, Cleveland, Ohio, a corporation of Ohio

Application June 6, 1932, Serial No. 615,503

1 Claim. (Cl. 266—33)



A furnace for melting and holding non-ferrous metals in which a low iron content is desired, comprising a refractory lined bottom, end, and side walls, one of said end walls and a portion of each of the side walls extending a substantial distance above the remaining end wall, a cover of refractory material extending over that portion of the furnace defined by the upwardly extending wall portions, and a curtain wall formed of refractory material extending downwardly from the free end of said cover to a point below the normal operating level of the molten metal in the furnace, thereby dividing the furnace into a closed heating portion and an open holding portion, said refractory wall being spaced from the bottom of the furnace to permit molten metal to flow freely from the heating portion into the open portion, means for projecting a flame into the interior of the enclosed heating portion above the level of the metal, a charging opening in said closed portion, a door for closing said opening, and a flue passageway formed in one of the walls of the heating portion to permit the escape of products of combustion, said curtain wall having a relatively small heat directing opening therein relatively near the normal level of molten metal in the furnace and well below said cover for positively directing a portion only of the heat within said heating portion in a predetermined localized path above the metal in said holding portion.

2,040,789

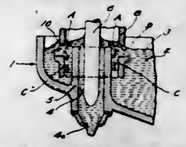
GLASS FEEDING APPARATUS

William T. Honiss, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware

Application December 15, 1934, Serial No. 757,602

15 Claims. (Cl. 49—55)

1. Glass feeding apparatus comprising a container for molten glass having a discharge passage provided at its upper end with an inlet located at a level above the normal level of the supply body of molten glass in the container, and rotary means movable horizontally adjacent to the upper end of said discharge passage and rendered effective by rotation thereof to cause flow of glass of a surface portion of the supply body into the inlet of said discharge passage.



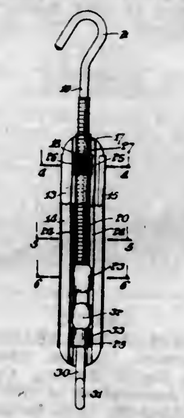
2,040,790

ADJUSTABLE CONNECTER

John Jacob Kaufmann, Elkins Park, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application March 12, 1934, Serial No. 715,171

12 Claims. (Cl. 287—61)



5. An adjustable connecter including a body portion, a shank extending from one end thereof, means for adjusting the position of said shank longitudinally with respect to said body portion, and means for preventing rotation of said shank with respect to said body portion, said means including a flattened head on said shank and a recessed portion in said body into which a portion of said head extends, said head being slidable longitudinally in said recessed portion.

2,040,791

LOOM HARNESS

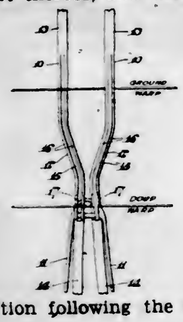
John Jacob Kaufmann, Elkins Park, Pa., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania

Application January 4, 1935, Serial No. 369

11 Claims. (Cl. 139—52)

1. In a loom harness for cross weaving, a pair of lifting heddles each comprising a single thin flat strip of metal having an eye portion formed of a plurality of strips disposed in several planes, and a doup needle having its eye portion engaged by the eye portion of each of the lifting heddles, the eye portion of each lifting heddle having an angularly extending part whereby the upper part of said heddle is offset laterally with respect to

the lower part thereof, and the strips forming



said eye portion following the contour of said offset.

2,040,792

COIN COLLECTING MECHANISM BASE

George A. Long, Hartford, Conn., assignor to The Gray Telephone Pay Station Company, Hartford, Conn., a corporation of Connecticut

Application May 13, 1933, Serial No. 670,927

5 Claims. (Cl. 179—146)



1. A sheet metal supporting plate for telephone mechanism, said plate comprising a bottom and sides located at an angle to said bottom, said plate including a supporting boss of substantially rectangular shape in cross-section rising from the plate at the angle between said bottom and sides and with relatively angularly disposed supporting sides extending from the top of the boss to the plate on more than two sides thereof.

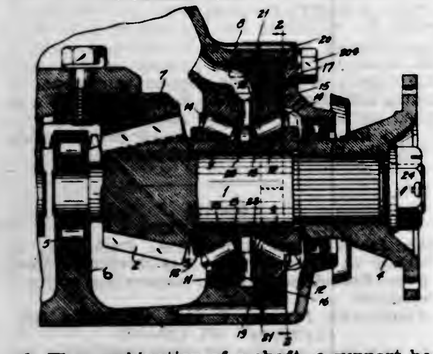
2,040,793

PINION SHAFT BEARING

Albert J. Peterman, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application April 22, 1935, Serial No. 17,624

3 Claims. (Cl. 308—207)



1. The combination of a shaft, a support having a bore, an antifriction bearing interposed between said shaft and said bore and including an inner raceway member on said shaft and an outer raceway member having a portion mounted in said bore and having a conical projecting portion tapering toward said support, a ring member having a tapering bore seated on said conical portion and overlapping the end of said support, and a member secured to said end of said support opposite the conical projecting portion of said outer raceway member and constituting an abutment therefor.

2,040,794

COMMON-COLD ANTIGEN

Horace M. Powell, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana

No Drawing. Application October 24, 1934, Serial No. 749,815

10 Claims. (Cl. 167—78)

1. A preparation for immunization against the common cold and suitable for oral administration to humans, comprising killed bile-resistant Pneumococci of a rough strain and of high heterophile-antigen content adsorbed on starch.

2,040,795

TREATMENT OF COTTON GOODS

William Beach Pratt, Wellesley, Mass., assignor to John Abbott, Everett D. Chadwick, and Marcus B. May, trustees, all of Winchester, Mass.

No Drawing. Application July 15, 1932, Serial No. 622,831

3 Claims. (Cl. 8—2)

1. A method which comprises polymerizing formaldehyde in aqueous solution into a non-volatile, water-soluble reaction product exhibiting an aldehydic reaction, wetting cotton goods with the resulting solution, and then subjecting the goods so wetted to the action of oxidizing bleach liquor.

2,040,796

PROCESS OF DYEING ANIMAL FIBERS WITH METAL COMPLEX COMPOUNDS OF ORGANIC ACID DYESTUFFS

Carl Maria Rittinghausen, Bad Soden-on-the-Taunus, and Richard Haynn, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application November 29, 1932, Serial No. 644,914. In Germany December 7, 1931

9 Claims. (Cl. 8—5)

1. The process of dyeing animal fibers with metal complex compounds of organic acid dyestuffs which comprises carrying out the dyeing in normal acid dye baths, containing about 3 to 5 per cent of acid as is usual for dyeing with ordinary acid dyestuffs, and in the presence of a water-soluble protective colloid.

2,040,797

ALLOY CONTAINING COPPER AND PHOSPHORUS

Georg Sachs and Arthur Burkhardt, Frankfort-on-the-Main, Germany, assignors to American Lurgi Corporation, New York, N. Y., a corporation of New York

No Drawing. Application January 5, 1932, Serial No. 584,906. In Germany January 9, 1931

2 Claims. (Cl. 148—32)

1. An alloy containing a predominating proportion of copper and more than 6% but not more than 14% of phosphorus which alloy has been plastically deformed at a temperature closely below its melting point whereby its mechanical properties are improved and its strength increased and which is capable of being strained at low temperatures without splintering.

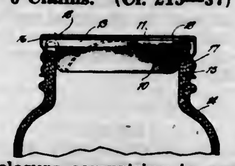
2,040,798

TELLTALE CLOSURE DEVICE

Carl Schoonmaker, New York, N. Y.

Application June 5, 1934, Serial No. 729,069

6 Claims. (Cl. 215—37)



5. A jar closure comprising in combination, a flexible elastic sealing member, and means for securing the member in position upon a jar, said member including a normally dome shaped portion, the inherent characteristics of said dome shaped portion enabling flexing of the same to a reverse position within the jar by reason of atmospheric pressure exteriorly of the jar and a pressure less than atmospheric pressure within the jar, to constitute an indicator visible through the walls of the jar of the air tight condition of said sealing member, and which by an equalization of pressure interior and exterior of said jar or a pressure within the jar greater than atmospheric pressure causes the reversed distorted portion of the dome shaped portion to return to normal position.

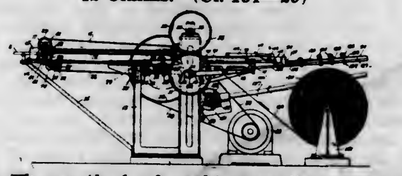
2,040,799

METHOD AND APPARATUS FOR MAKING SANITARY NAPKINS

George W. Swift, Jr., Bordentown, N. J., assignor to George W. Swift, Jr., Inc., Bordentown, N. J., a corporation of New Jersey

Application January 13, 1934, Serial No 706,493

42 Claims. (Cl. 154—29)



1. The method of making sanitary napkins which comprises feeding a web of filler material, supporting the web in the zone of, and during its passage through a die cutting mechanism, impressing such web while it is moving, successively severing portions, constituting a pad, from said web while the same is in substantial motion, feeding a strip of wrapping material in the same direction as the direction of feed of the filler material, delivering the pads of filler material severed from said web successively upon the strip of wrapping material, folding the portions of the wrapping material on each side of each pad over said pad, severing successive portions of the wrapping material while the material is moving, and folding the end flaps of the wrapping material over the pad.

2,040,800

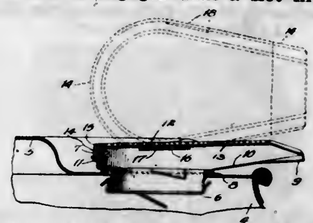
POURING SPOUT

Stevens A. Bennett, Chicago, Ill., assignor to Wilson & Bennett Manufacturing Company, Chicago, Ill., a corporation of Illinois

Application March 16, 1935, Serial No. 11,391

1 Claim. (Cl. 221—11)

The combination with a container having a head, of a pouring spout attached thereto and having an annular portion with a lip extending over the rim of the container and having upwardly projecting sides, and a cover having an annular flange adapted to fit over the spout, a portion of said flange being cut to form a hinge member which engages with a slot in the side



of the spout and another portion of the flange being cut to form a clip for engagement with the side of the spout to hold the cover in closed position.

2,040,801

METHOD FOR PRODUCTION OF CELLULOSIC MATERIALS FROM WASTE CELLULOSE PRODUCTS

Wyly M. Billing, Hopewell, Va., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 13, 1934, Serial No. 730,463

16 Claims. (Cl. 260—10)

1. The method of producing a cellulosic material which includes subjecting reclaimed mattress stuffing to treatment adapted to remove a portion of the non-alpha-cellulose constituents thereof, treating the partially purified material so produced to form a solution of alpha-cellulosic material in which non-alpha-cellulosic material is insoluble, separating the insoluble non-alpha-cellulosic materials derived from said partially purified mattress stuffing from said solution, and recovering a cellulosic material from said solution.

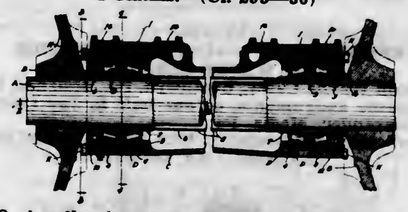
2,040,802

ROLLER BEARING AXLE

Tracy V. Buckwalter, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

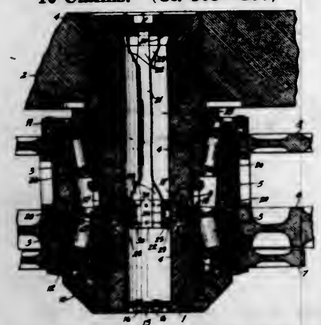
Application October 8, 1934, Serial No. 747,416

4 Claims. (Cl. 295—36)



2. A roller bearing axle construction comprising an axle, wheels on the ends of said axle, a housing surrounding said axle between the wheels thereon, and roller bearings interposed between said housing and said axle, said axle being free from obstructions preventing shifting thereof axially of said roller bearings and said wheels and extending beyond the outer end of one of said wheels far enough to permit said axle to be adjusted axially in said housing toward the other of said wheels to bring different portions of the axle into engagement with said wheels and said roller bearings without reducing the extent of contact between said axle and said first mentioned wheel.

2,040,803
BEARING LUBRICATION
Tracy V. Buckwalter, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application April 12, 1935, Serial No. 15,950
10 Claims. (Cl. 308—187)

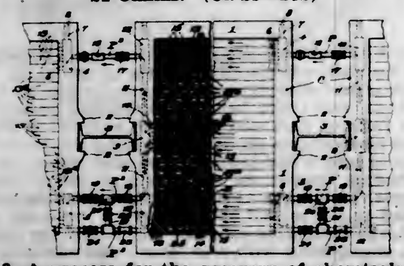


1. An antifriction bearing, a shaft therein provided with a reservoir for lubricant and a series of circumferentially spaced passageways leading from said reservoir to said bearing, and means in said reservoir for retarding the flow of lubricant therein to said passageways, said means comprising a sleeve removably mounted in said reservoir opposite said passageways, and a ring of porous material mounted on and removable with said sleeve and filling the space between said sleeve and the wall of said reservoir adjacent but entirely to one side of said series of passageways.

2,040,804
RECOVERY OF BERYLLIUM
John E. Bucher, Fort Lee, N. J., assignor to Antioch Industrial Research Institute, Inc., Yellow Springs, Ohio, a corporation of Ohio
No Drawing. Application April 28, 1933, Serial No. 668,385
13 Claims. (Cl. 75—108)

1. The process of preparing metallic beryllium which comprises adding an alkali salt of a weak acid which dissolves beryllium hydroxide and does not affect metallic beryllium to an aqueous solution containing beryllium hydroxide and fine particles of beryllium.

2,040,805
RECOVERY OF CAUSTIC HYDROXIDE FROM WASTE SOLUTIONS
Hilton Wayne Casey, Boothwyn, Pa., assignor, by mesne assignments, of one-half to Jay Cooke Alexander, Media, Pa.
Application September 1, 1933, Serial No. 687,905
21 Claims. (Cl. 23—252)



3. A process for the recovery of chemicals in solution which consists in flowing the chemical solution from the sides of a dialyzer cell in a relatively thin stratum toward the center and extracting said solution from the center of the solution cell; and simultaneously feeding recovery water in relatively thin strata from the center of water cells, at each side of the chemical solution cell, toward the sides of said water cells and then extracting the recovery water solution from the sides of the water cells.

2,040,806
SUBSTANCES CONTAINING SILVER AND METHODS OF PRODUCING THE SAME
Fritz Feigl, Vienna, Austria
No Drawing. Application August 25, 1934, Serial No. 741,525. In Austria May 15, 1933
8 Claims. (Cl. 99—220)

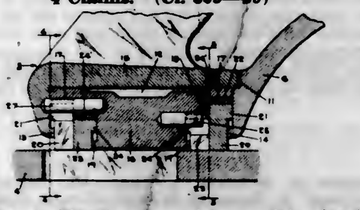
4. The method of preparing a composition for therapeutical, disinfectant, or sterilizing purposes consisting of a mixture of finely divided metallic silver and manganese dioxide in the mol. proportions, respectively, of 2:1; which comprises reacting in an alkaline medium an ionizable silver salt with a manganese compound in which the manganese is present in a lower valence.

2,040,807
WAVE SETTER
Abraham Goodman, Brooklyn, N. Y., assignor to Delamere Company, Inc., a corporation of Delaware
Application July 18, 1934, Serial No. 735,804
1 Claim. (Cl. 132—31)



A wave setter comprising a pair of spring pressed arcuate-shaped jaws hinged together at their upper edges, said jaws having opposed flat portions that contact with each other throughout to press the hair tightly therebetween when the jaws are closed, and having diverging flange portions along their lower edges, each jaw carrying a set of spaced-apart teeth extending inwardly at an angle corresponding to the angle of the flange of the opposed jaw and lying flat against said flange when closed, the teeth of the two jaws being disposed in alternation with each other.

2,040,808
BULL RING WITH SECTIONAL PACKING RINGS
Lawrence W. Hance, Philadelphia, Pa.
Application November 23, 1933, Serial No. 699,422
4 Claims. (Cl. 309—29)



1. The combination comprising a piston having a body carrying a removable follower to form a ring groove, said body and follower having opposed peripheral flanges, a bullring seated in said groove and having end recesses and flanges respectively overlying a portion of the recesses, and

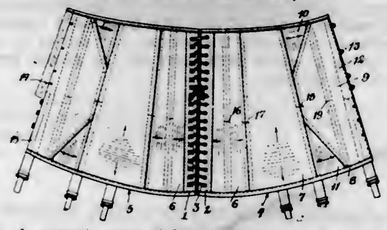
a pair of segmental sealing rings disposed in one of said recesses and another pair of sealing rings disposed in the other recess, the adjacent radial surfaces of one pair of said sealing rings mutually slidably engaging each other and similarly for the adjacent radial surfaces of the other pair of sealing rings, the outer radial surfaces of each pair of sealing rings being provided with flanges certain of which are disposed in radial alignment with the peripheral flanges of said body and the others of which are disposed in radial alignment with the peripheral flanges of said follower.

2,040,809
PROCESS FOR THE MANUFACTURE OF A PROTEIN COMPOUND OF SULPHONATED HYDROCARBON SULPHUR BODIES
Eric T. Hessle, Chicago, Ill.
No Drawing. Application November 21, 1933, Serial No. 699,031
4 Claims. (Cl. 260—9)

1. A compound of albumin and sulphonated hydrocarbon sulphur bodies of the structure of thiophene and its derivatives.

4. The process of preparing a water soluble compound, which comprises treating with an alkali the water insoluble reaction products of albumin and sulphonated hydrocarbon sulphur compounds of the thiophene series.

2,040,810
CORSET
Max Kahn, Cedarhurst, N. Y.
Application November 7, 1933, Serial No. 697,063
Renewed March 21, 1936
3 Claims. (Cl. 2—37)



1. A corset comprising two members, a lacing connecting said members together at the rear, disengageable fastening means for connecting the members together at the front, each of said members having a flexible steel adjacent each edge, and three panels, the center panel being elastic longitudinally of the garment, one of the other panels being elastic circumferentially of the garment, and the third panel comprising an inelastic abdominal compressor section with corner portions cut away, and elastic inserts fitted in said corner portions, said elastic inserts being stretchable circumferentially of the garment.

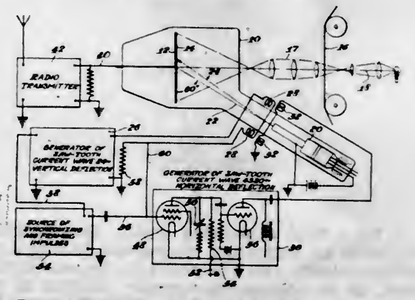
2,040,811
FUNGICIDE AND INSECTICIDE
Alexander A. Nikitin and Philip B. Myers, Newark, and James Fowler Adams, Wilmington, Del., assignors to Walter C. O'Kane, Durham, N. H., and Paul Moore, Washington, D. C., as trustees of Crop Protection Institute, an association, Washington, D. C.
No Drawing. Application July 14, 1932, Serial No. 622,572
10 Claims. (Cl. 167—16)

1. A fungicide or insecticide containing as the active ingredient a copper zeolite having copper present in the base exchangeable portion of the zeolite.

2,040,812
SYNTHETIC RESIN FOR VARNISHES
Arthur J. Norton and Frank W. Less, North Tonawanda, N. Y., assignors to General Plastics, Inc., North Tonawanda, N. Y.
No Drawing. Application March 16, 1933, Serial No. 661,182
17 Claims. (Cl. 260—2)

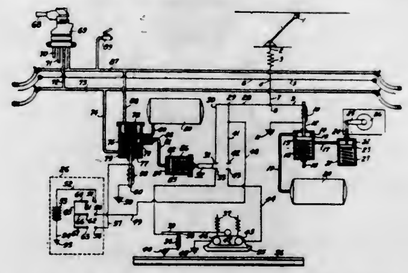
1. The method of preparing an artificial resin from the components, terpineol and a phenol which consists in causing the terpineol and the phenol to react in the presence of a condensing agent.

2,040,813
TELEVISION SYSTEM
Gregory N. Ogloblinsky, Collingswood, N. J., assignor to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application September 30, 1932, Serial No. 635,534
12 Claims. (Cl. 178—6)



1. In combination, a cathode ray tube including means for generating a beam of electrons, a screen structure positioned in said tube at an acute angle to the axis of said beam generating means, and means acting on the beam for so deflecting said beam that it scans said screen over an area having boundaries which enclose a rectangle.

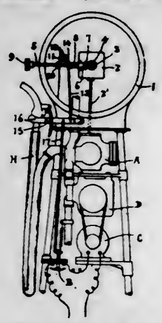
2,040,814
MAGNETIC TRACK BRAKE SYSTEM
Theodore H. Schoepf and David M. Ritchie, Cincinnati, Ohio, assignors to The Cincinnati Traction Bldg. Company, Cincinnati, Ohio, a corporation of Ohio
Application December 22, 1934, Serial No. 758,787
13 Claims. (Cl. 303—3)



1. In a magnetic brake system, a straight air system, an emergency air system, a main electric power source, a supplementary electric power source, a magnetic brake, means of moving the brake into braking position, means of energizing the brake, said last-mentioned means being op-

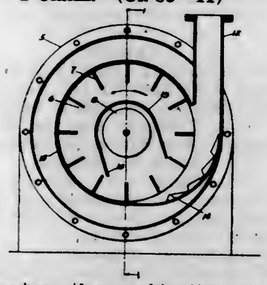
erable either from the main electric power source or supplementary power source, and means of connecting either of said power sources to the means for bringing the brake into braking position and for energizing it adapted to be operable from the straight air means or the emergency air means.

2,040,815
FLUID DISPENSING DEVICE
William H. D. Brouse, Toronto, Ontario, Canada, assignor to John Wood Manufacturing Company, Inc., Conshohocken, Pa., a corporation of Delaware
Application July 17 1931, Serial No. 551,416
7 Claims. (Cl. 221—95)



1. In a fluid dispensing device, the combination with an indicating mechanism having a resetting spindle, and a displaceable dispensing hose hook, of an obstructing member secured on the resetting spindle, a rod operatively connected with the hose hook, and means mounted within the dispensing structure and moved by said rod into the path of movement of the obstructing member on the reset spindle when the hose hook is raised.

2,040,816
APPARATUS FOR PULVERIZING MATERIAL
Gustav Henry Kaemmerling, Erie, Pa., assignor to Erie City Iron Works, Erie, Pa., a corporation of Pennsylvania
Application January 12, 1931, Serial No. 508,022
1 Claim. (Cl. 83—11)



In a pulverizer, the combination of a rotary beater comprising beater blades; means comprising stationary guides positioned within the rotary beater and confining the material to a radial path to a point adjacent to the edges of the beater blades and feeding the material, substantially restricted against rotative movement, to the beater at an abrupt angle to the path of the beater blades; and an outer imperforate wall in close proximity to the outer edges of the beater blades throughout the major portion of the circumference, said outer wall having a discharge opening extending outwardly therefrom, the outlet in the wall being in close proximity to the radial position of the guides.

DESIGNS

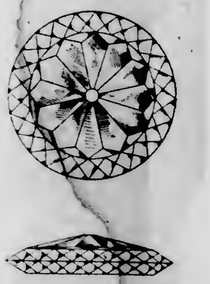
MAY 12, 1936

99,567
DESIGN FOR LEATHER
Richard Bernheim, New York, N. Y., assignor to R. Neumann & Company, Hoboken, N. J., a corporation of New Jersey
Application March 21, 1935, Serial No. 55,981
Term of patent 3½ years



The ornamental design for leather substantially as shown and described.

99,568
DESIGN FOR A CRYSTAL OR SIMILAR ARTICLE
Philip Cohn, New York, N. Y.
Application March 7, 1936, Serial No. 61,518
Term of patent 14 years



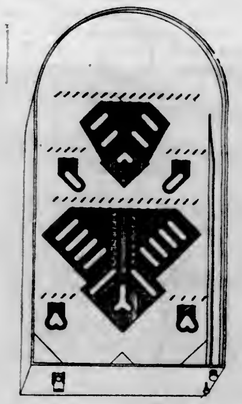
The ornamental design for a crystal or similar article, substantially as shown.

99,569
DESIGN FOR A BELT BUCKLE OR THE LIKE
John R. Craighead, Denver, Colo.
Application February 18, 1936, Serial No. 61,220
Term of patent 7 years



The ornamental design for a belt buckle or the like, as shown.

99,570
DESIGN FOR A GAME APPARATUS
Lloyd B. Elliott, San Francisco, Calif.
Application January 25, 1935, Serial No. 55,042
Term of patent 3½ years



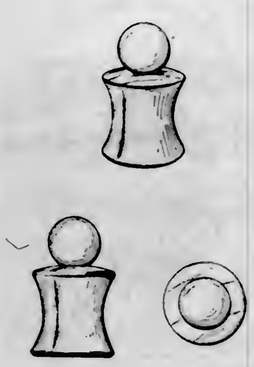
The ornamental design for a game apparatus, substantially as shown and described.

99,571
DESIGN FOR A TEXTILE FABRIC
Curt Erwin Forstmann, Montclair, N. J.
Application October 5, 1935, Serial No. 58,857
Term of patent 14 years



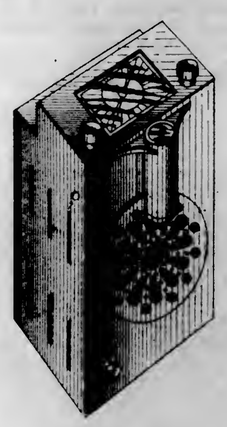
The ornamental design for a textile fabric, as shown and described.

99,572
DESIGN FOR A COMBINATION BOTTLE AND STOPPER
Paul H. Ganz, New York, N. Y.
Application September 11, 1935, Serial No. 58,512
Term of patent 14 years



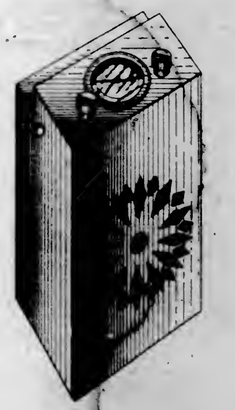
The ornamental design for a combination bottle and stopper, as shown and described.

99,573
DESIGN FOR AN AUTOMOBILE RADIOCABINET
David Housman, Winthrop, Mass.
Application January 31, 1936, Serial No. 60,913
Term of patent 7 years



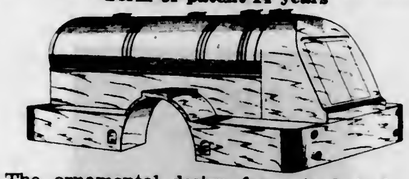
The ornamental design for an automobile radiocabinet substantially as shown and described.

99,574
DESIGN FOR AN AUTOMOBILE RADIOCABINET
David Housman, Winthrop, Mass.
Application February 8, 1936, Serial No. 61,045
Term of patent 7 years



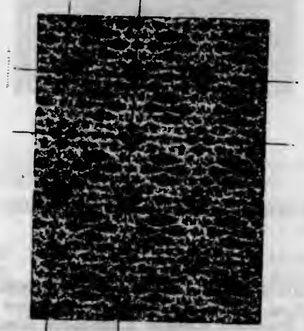
The ornamental design for an automobile radiocabinet substantially as shown and described.

99,575
DESIGN FOR A TANK BODY FOR VEHICLES
Joseph M. Kramer, Ward M. Gadberry, and Alonzo J. McElvain, Kansas City, Mo., assignors to Andrew A. Kramer, Kansas City, Mo.
Application August 24, 1935, Serial No. 58,287
Term of patent 14 years



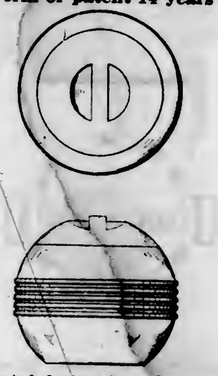
The ornamental design for a tank body for vehicles substantially as shown and described.

99,576
DESIGN FOR A KNITTED FABRIC
Everett W. Krantz, Honesdale, Pa.
Application April 1, 1936, Serial No. 61,885
Term of patent 3½ years



The ornamental design for a knitted fabric, substantially as shown and described.

99,577
DESIGN FOR A HUMIDOR
Arnold I. Lorenzen, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application January 3, 1936, Serial No. 60,404
Term of patent 14 years



The ornamental design for a humidor substantially as shown.

99,578
DESIGN FOR A NURSERY ROCKING CHAIR OR SIMILAR ARTICLE
David W. Lynch, Lancaster, Pa.
Application March 13, 1936, Serial No. 61,614
Term of patent 14 years



The ornamental design for a nursery rocking chair or similar article, as shown and described.

99,579
DESIGN FOR A CHILD'S STOCKING
Harold Mange, St. Louis, Mo.
Application January 13, 1936, Serial No. 60,560
Term of patent 7 years



The ornamental design for a child's stocking substantially as shown.

99,580
DESIGN FOR A LACE TABLECLOTH
Walter C. Miller, Philadelphia, Pa., assignor to Quaker Lace Company, Inc., Philadelphia, Pa.
Application March 4, 1936, Serial No. 61,472
Term of patent 3½ years



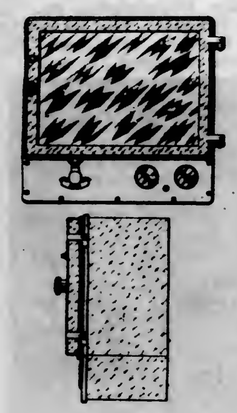
The ornamental design for a lace table cloth substantially as shown and described.

99,581
DESIGN FOR A LACE TABLECLOTH
Walter C. Miller, Philadelphia, Pa., assignor to Quaker Lace Company, Inc., Philadelphia, Pa.
Application March 4, 1936, Serial No. 61,473
Term of patent 3½ years



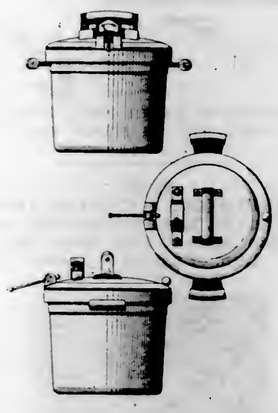
The ornamental design for a lace table cloth substantially as shown and described.

99,582
DESIGN FOR A CASING FOR MEASURING AND CONTROLLING INSTRUMENTS
Coleman B. Moore, West Park, Pa., assignor to The Brown Instrument Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 8, 1936, Serial No. 61,049
Term of patent 14 years



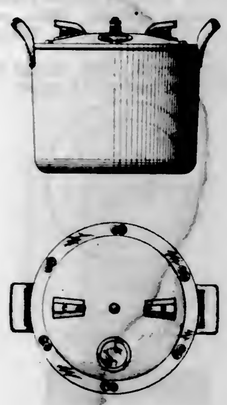
The ornamental design for a casing for measuring and controlling instruments substantially as shown.

99,583
DESIGN FOR A PRESSURE COOKER
Carl Nelson, Eau Claire, Wis., assignor to National Pressure Cooker Company, Eau Claire, Wis., a corporation of Wisconsin
Application August 5, 1935, Serial No. 57,970
Term of patent 3½ years



The ornamental design for a pressure cooker, as shown.

99,584
DESIGN FOR A PRESSURE COOKER
Carl Nelson, Eau Claire, Wis., assignor to National Pressure Cooker Company, Eau Claire, Wis., a corporation of Wisconsin
Application August 5, 1935, Serial No. 57,971
Term of patent 3½ years



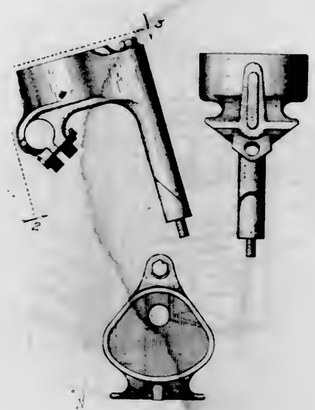
The ornamental design for a pressure cooker, as shown.

99,585
DESIGN FOR A LACE TABLECLOTH
Ferdinand P. Otto, Philadelphia, Pa., assignor to Quaker Lace Company Inc., Philadelphia, Pa.
Application March 4, 1936, Serial No. 61,474
Term of patent 3½ years



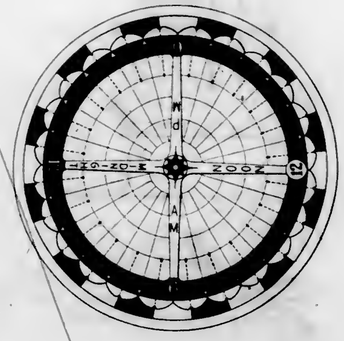
The ornamental design for a lace tablecloth substantially as shown and described.

99,586
DESIGN FOR A COMBINED HANDLE-BAR STEM AND SPEEDOMETER MOUNTING FOR BICYCLES
Earl E. Pease, Oak Park, Ill., assignor to Battery Patents Corporation, Chicago, Ill., a corporation of Illinois
Application March 26, 1936, Serial No. 61,802
Term of patent 14 years



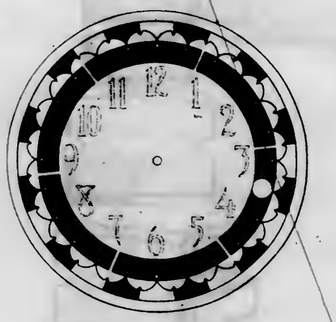
The ornamental design for a combined handle-bar stem and speedometer mounting for bicycles, as shown.

99,587
DESIGN FOR A CLOCK DIAL OR SIMILAR ARTICLE
Lucien Ribera, New York, N. Y.
Application June 15, 1935, Serial No. 57,280
Term of patent 14 years



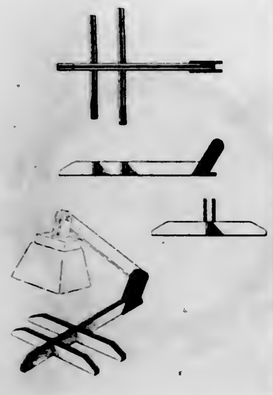
The ornamental design for a clock dial or similar article substantially as shown and described.

99,588
DESIGN FOR A CLOCK DIAL OR SIMILAR ARTICLE
Lucien Ribera, New York, N. Y.
Application June 15, 1935, Serial No. 57,281
Term of patent 14 years



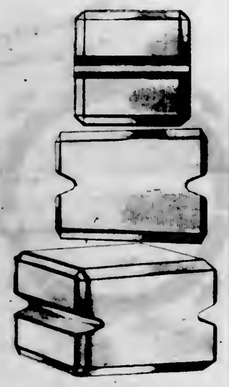
The ornamental design for a clock dial or similar article substantially as shown and described.

99,589
DESIGN FOR A LAMP
Ruth Strauss, New York, N. Y.
Application February 17, 1936, Serial No. 61,211
Term of patent 3½ years



The ornamental design for a lamp, as shown and described.

99,590
DESIGN FOR A SALT BLOCK
Albert H. Torongo, New Rochelle, N. Y., assignor to General Foods Corporation, New York, N. Y., a corporation of Delaware
Application March 20, 1936, Serial No. 61,705
Term of patent 14 years



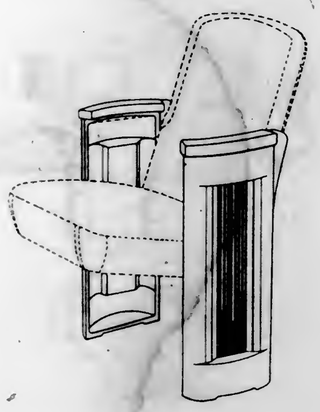
The ornamental design for a salt block, as shown.

99,591
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, North Bergen, N. J.
Application April 20, 1936, Serial No. 62,222
Term of patent 3½ years



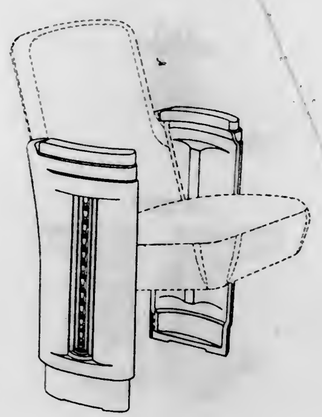
The ornamental design for a textile fabric, substantially as shown, and described.

99,592
DESIGN FOR A CHAIR
Willard H. Bond, Jr., East Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application February 17, 1936, Serial No. 61,201
Term of patent 7 years



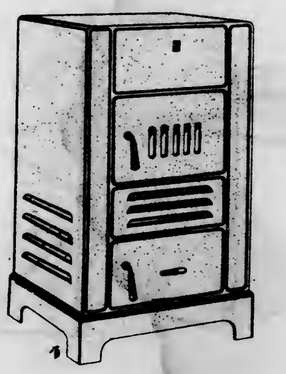
The ornamental design for a chair as shown and described.

99,593
DESIGN FOR A CHAIR
Willard H. Bond, Jr., East Grand Rapids, Mich., assignor to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application February 19, 1936, Serial No. 61,233
Term of patent 7 years



The ornamental design for a chair as shown and described.

99,594
DESIGN FOR A SPACE HEATER
George L. Bridge, Clayton, Mo.
Application September 30, 1935, Serial No. 58,758
Term of patent 7 years



The ornamental design for a space heater as shown and described.

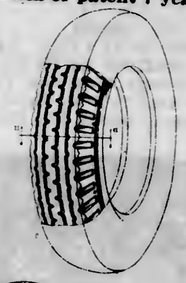
99,595
DESIGN FOR A PENCIL TIP
Michael Caffrey, Jersey City, N. J., assignor to American Lead Pencil Company, Hoboken, N. J., a corporation of New York
Application March 25, 1936, Serial No. 61,776
Term of patent 3½ years





The ornamental design for a pencil tip, as shown.

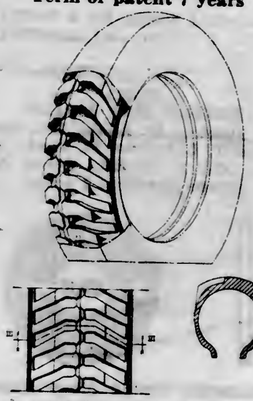
99,596
DESIGN FOR A TIRE
Albert E. Caldwell, Newark, N. J.
Application March 16, 1936, Serial No. 61,667
Term of patent 7 years





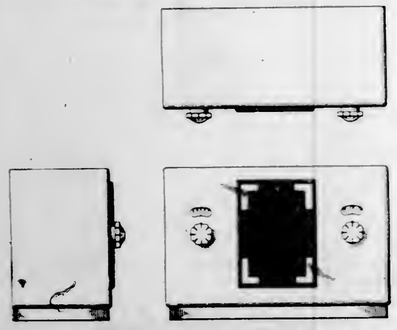
The ornamental design for a tire, as shown.

99,597
DESIGN FOR A TIRE
Albert E. Caldwell, Newark, N. J.
Application March 16, 1936, Serial No. 61,668
Term of patent 7 years



The ornamental design for a tire, as shown.

99,598
DESIGN FOR A RADIOCABINET
Richmond L. Chipman, Jr., Montclair, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of Delaware
Application March 12, 1936, Serial No. 61,598
Term of patent 3½ years



The ornamental design for a radiocabinet, as shown and described.

99,599
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
William Cleverly, West New York, N. J.
Application April 2, 1936, Serial No. 61,898
Term of patent 3½ years



The ornamental design for a textile fabric or similar article as shown and described.

99,600
DESIGN FOR A SIGN
George D. Duntze, St. Louis, Mo., assignor to James T. Caradine, St. Louis, Mo.
Application March 11, 1935, Serial No. 55,820
Term of patent 7 years



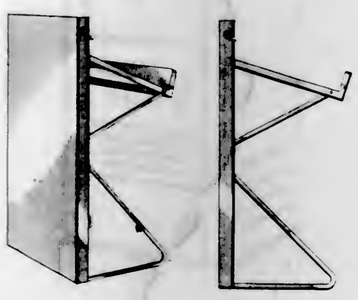
The ornamental design for a sign, substantially as shown.

99,601
DESIGN FOR A SHOE BUCKLE
Carmen S. Felch, Providence, R. I., assignor to Ernest E. Weller, Providence, R. I.
Application March 31, 1936, Serial No. 61,874
Term of patent 3½ years



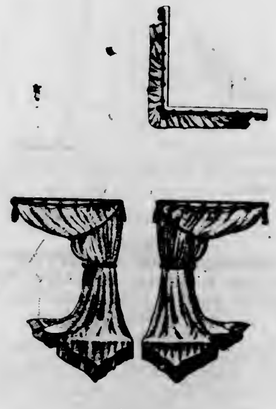
The ornamental design for a shoe buckle, substantially as shown and described.

99,602
DESIGN FOR AN ORCHESTRA STAND OR SIMILAR ARTICLE
Russell Katz, Hamilton, Ohio, assignor to Krauth & Benninghofen, Hamilton, Ohio, a firm
Application February 20, 1936, Serial No. 61,272
Term of patent 7 years



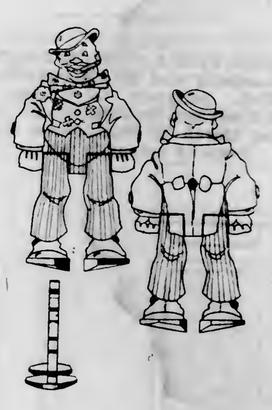
The ornamental design for an orchestra stand or similar article, as shown.

99,603
DESIGN FOR A CORNER ORNAMENT FOR A CASKET OR ANALOGOUS ARTICLE
Raymond Larson, Chicago, Ill., assignor to Central Metallic Casket Co., Chicago, Ill., a corporation of Illinois
Application August 17, 1935, Serial No. 58,186
Term of patent 7 years



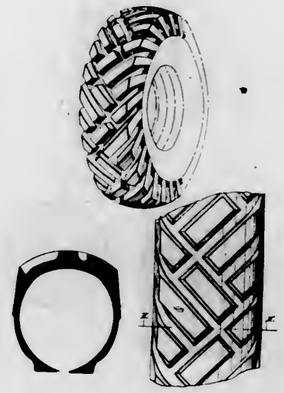
The ornamental design for a corner ornament for a casket or analogous article as shown.

99,604
DESIGN FOR A TOY
Edward McCandlish, Ypsilanti, Mich.
Application February 24, 1936, Serial No. 61,329
Term of patent 7 years



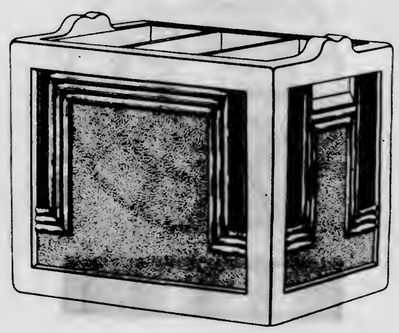
The ornamental design for a toy, as shown and described.

99,605
DESIGN FOR A PNEUMATIC TIRE CASING
Ralph M. Reel, Newark, Ohio, assignor to The Pharis Tire & Rubber Company, Newark, Ohio, a corporation of Ohio
Application March 16, 1936, Serial No. 61,654
Term of patent 14 years



The ornamental design for a pneumatic tire casing, as shown.

99,606
DESIGN FOR A STORAGE BATTERY CASE
Oliver O. Rieser, Oak Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a corporation of Ohio
Application March 20, 1936, Serial No. 61,714
Term of patent 7 years



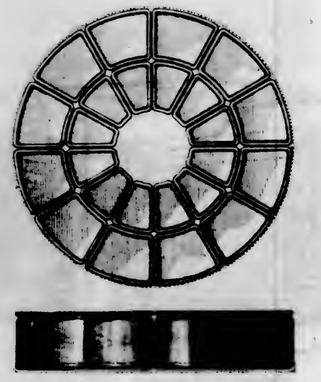
The ornamental design for a storage battery case, as shown and described.

99,607
DESIGN FOR A STORAGE CABINET
Lewis H. Scurlock, Chicago, Ill.
Application February 20, 1936, Serial No. 61,264
Term of patent 14 years



The ornamental design for a storage cabinet, as shown.

99,608
DESIGN FOR A FOOD CONTAINER UNIT
Lewis H. Scurlock, Chicago, Ill.
Application February 27, 1936, Serial No. 61,382
Term of patent 14 years



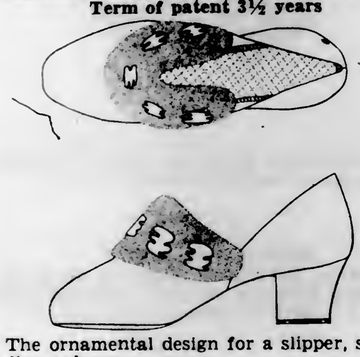
The ornamental design for a food container unit, as shown and described.

99,609
DESIGN FOR A SLIPPER
Abraham J. Siegler, Brooklyn, N. Y.
Application April 3, 1936, Serial No. 61,919
Term of patent 3½ years



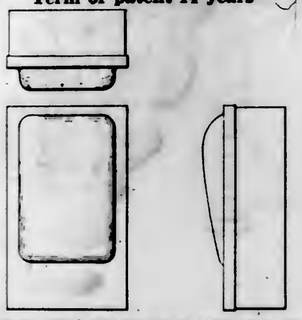
The ornamental design for a slipper, substantially as shown.

99,610
DESIGN FOR A SLIPPER
Abraham J. Siegler, Brooklyn, N. Y.
Application April 6, 1936, Serial No. 61,964
Term of patent 3½ years



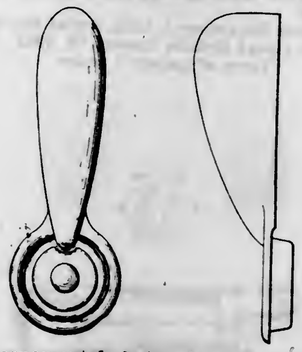
The ornamental design for a slipper, substantially as shown.

99,611
DESIGN FOR A SWITCH CASING
Carl W. Sundberg and Montgomery Ferar, Detroit, Mich., assignors to Bulldog Electric Products Company, Detroit, Mich.
Application March 16, 1936, Serial No. 61,662
Term of patent 14 years



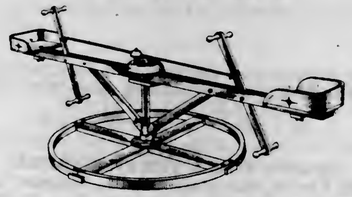
The ornamental design for a switch casing, substantially as shown and described.

99,612
DESIGN FOR A SWITCH HANDLE
Carl W. Sundberg and Montgomery Ferar, Detroit, Mich., assignors to Bulldog Electric Products Company, Detroit, Mich.
Application March 16, 1936, Serial No. 61,663
Term of patent 14 years



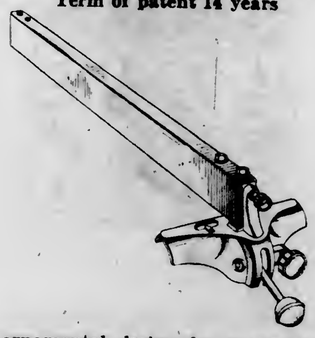
The ornamental design for a switch handle, substantially as shown.

99,613
DESIGN FOR A CIRCULAR RIDING DEVICE
Clifford I. Sweet, Delphos, Ohio
Application December 18, 1935, Serial No. 60,152
Term of patent 7 years



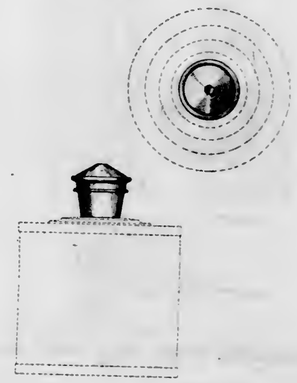
The ornamental design for a circular riding device, as shown.

99,614
DESIGN FOR A SAW GAUGE
Herbert E. Tautz, Milwaukee, Wis., assignor to Delta Manufacturing Company, Milwaukee, Wis.
Application March 2, 1936, Serial No. 61,452
Term of patent 14 years



The ornamental design for a saw gauge, as shown and described.

99,615
DESIGN FOR A CAN OR SIMILAR CONTAINER
Stanton E. Werner, Highland Park, N. J., assignor to E. R. Squibb & Sons, New York, N. Y., a corporation of New York
Application February 16, 1935, Serial No. 55,460
Term of patent 14 years



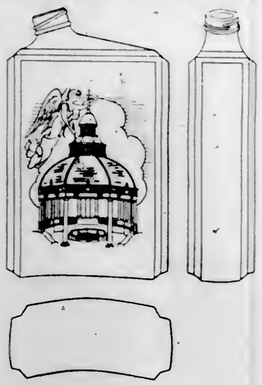
The ornamental design for a can or similar container as shown and described.

99,616
DESIGN FOR A METAL SPRAY GUN
Frans O. Albertson, Sioux City, Iowa, assignor to Albertson & Company, Inc., Sioux City, Iowa, a corporation of Iowa
Application February 19, 1936, Serial No. 61,232
Term of patent 14 years



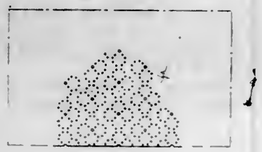
The ornamental design for a metal spray gun, as shown and described.

99,617
DESIGN FOR A BOTTLE
George M. Brenner, Oak Park, Ill.
Application January 31, 1936, Serial No. 60,937
Term of patent 3½ years



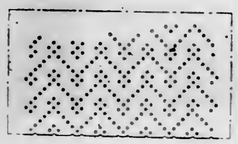
The ornamental design for a bottle, as shown.

99,618
DESIGN FOR SHOE UPPER MATERIAL
Claude H. Daniels, Wellesley Hills, Mass.
Application March 11, 1936, Serial No. 61,566
Term of patent 14 years



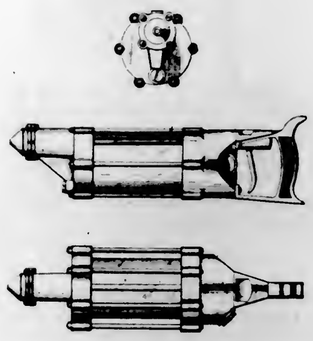
The ornamental design for shoe upper material, substantially as shown and described.

99,619
DESIGN FOR SHOE UPPER MATERIAL
Claude H. Daniels, Wellesley Hills, Mass.
Application March 11, 1936, Serial No. 61,567
Term of patent 14 years



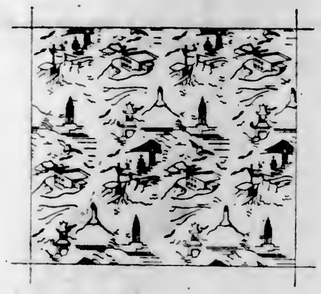
The ornamental design for shoe upper material, substantially as shown and described.

99,620
DESIGN FOR A LUBRICATING GUN OR SIMILAR ARTICLE
Alfred Degory, Kensington, London, England, assignor to Alfred Degory, Robert Stuart Hawkins, and Cecil Jack Henry Libovitz, trading as David Alan & Company, Kensington, London, England
Application November 6, 1935, Serial No. 59,399
In Great Britain August 30, 1935
Term of patent 7 years



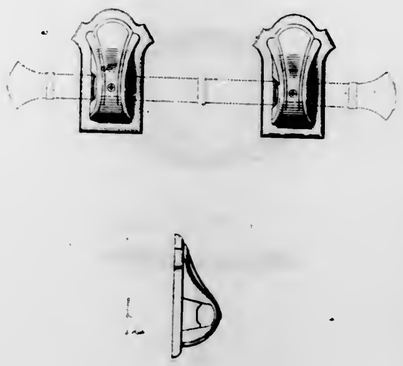
The ornamental design for a lubricating gun or similar article, substantially as shown.

99,621
DESIGN FOR A TEXTILE FABRIC
Joseph Civelli, San Mateo, Calif., assignor to The Emporium-Capwell Company, San Francisco, Calif., a corporation of California
Application January 29, 1936, Serial No. 60,879
Term of patent 7 years



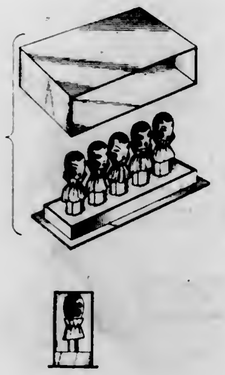
The ornamental design for a textile fabric, substantially as shown.

99,622
DESIGN FOR A BURIAL CASE HANDLE
William F. Flasche, Lakewood, Ohio, assignor to The Dickey-Grabler Company, Cleveland, Ohio, a corporation of Ohio
Application March 16, 1936, Serial No. 61,653
Term of patent 7 years



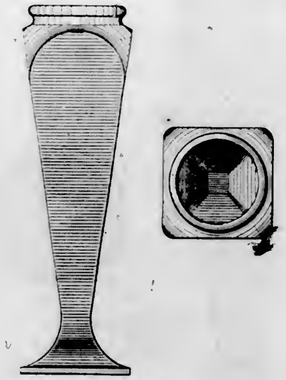
The ornamental design for a burial case handle, as shown.

99,623
DESIGN FOR DISPLAY BOTTLES AND CONTAINER THEREFOR
Robert B. Karoff, Chicago, Ill.
Application January 13, 1936, Serial No. 60,551
Term of patent 3½ years



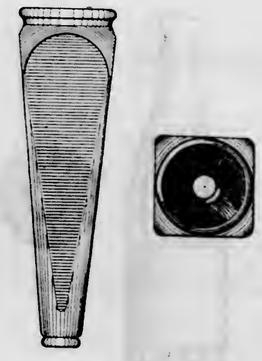
The ornamental design for display bottles and container therefor, substantially as shown and described.

99,624
DESIGN FOR A DRINKING-VESSEL
Louis A. Leppke, Omaha, Nebr.
Application February 20, 1936, Serial No. 61,245
Term of patent 14 years



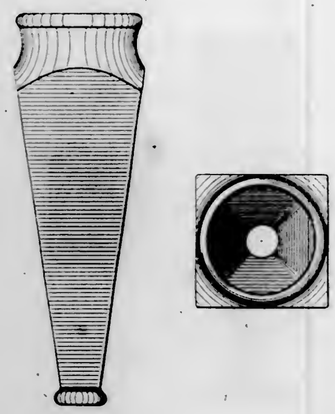
The ornamental design for a drinking vessel substantially as shown.

99,625
DESIGN FOR A DRINKING-VESSEL
Louis A. Leppke, Omaha, Nebr.
Application February 20, 1936, Serial No. 61,246
Term of patent 14 years



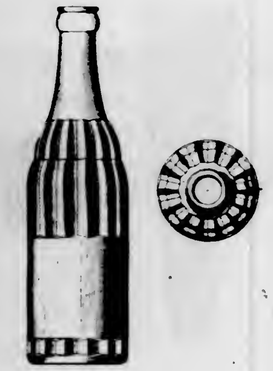
The ornamental design for a drinking-vessel, substantially as shown.

99,626
DESIGN FOR A DRINKING-VESSEL
Louis A. Leppke, Omaha, Nebr.
Application February 20, 1936, Serial No. 61,248
Term of patent 14 years



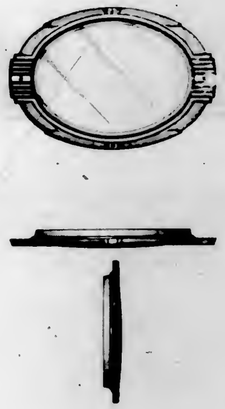
The ornamental design for a drinking-vessel, substantially as shown.

99,627
DESIGN FOR A BOTTLE
Arnold I. Lorenzen, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application March 20, 1936, Serial No. 61,709
Term of patent 14 years



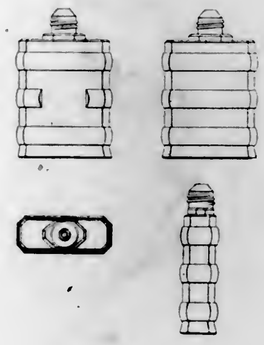
The ornamental design for a bottle substantially as shown.

99,628
DESIGN FOR AN ESCUTCHEON PLATE FOR A RADIO RECEIVER
Richard C. Marholz, Chicago, Ill., assignor to Belmont Radio Corporation, Chicago, Ill., a corporation of Illinois
Application March 2, 1936, Serial No. 61,439
Term of patent 7 years



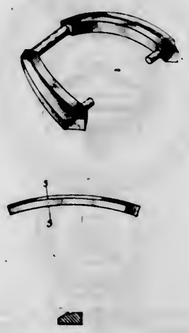
The ornamental design for an escutcheon plate for a radio receiver as shown.

99,629
DESIGN FOR A BOTTLE
Paul Peter Mülhens, Cologne, Germany
Application March 6, 1936, Serial No. 61,500
Term of patent 14 years



The ornamental design for a bottle, as shown.

99,630
DESIGN FOR A TERMINAL LINK OF A BRACELET CHAIN
Eugen Prestinari, Summit, N. J., assignor to Gemex Company, Newark, N. J., a corporation of New Jersey
Application March 4, 1936, Serial No. 61,478
Term of patent 3½ years



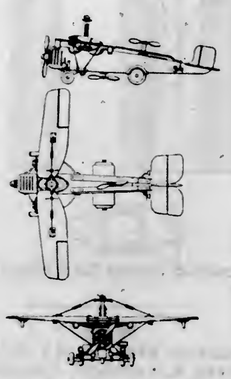
The ornamental design for a terminal link of a bracelet chain as shown.

99,631
DESIGN FOR A SHOE
Abraham Turiansky, New York, N. Y.
Application April 4, 1936, Serial No. 61,949
Term of patent 3½ years



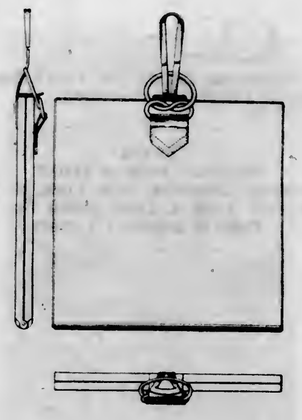
The ornamental design for a shoe substantially as shown.

99,632
DESIGN FOR A COMBINED AUTOMOBILE AND FOLDING WING MONOPLANE
Edward F. Wagner, Philadelphia, Pa.
Application August 13, 1935, Serial No. 58,102
Term of patent 3½ years



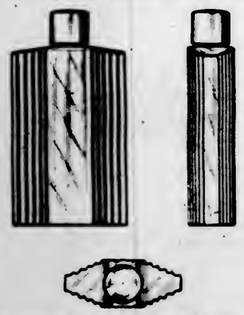
The ornamental design for a combined automobile and folding wing monoplane, as shown.

99,633
DESIGN FOR A HANDBAG
Morris White, New York, N. Y.
Application April 4, 1936, Serial No. 61,942
Term of patent 14 years



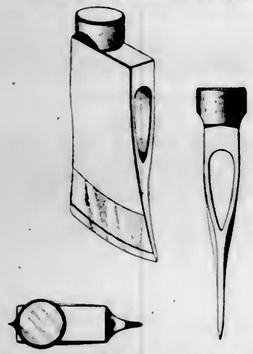
The ornamental design for a handbag, substantially as shown and described.

99,634
DESIGN FOR A BOTTLE
André Wick, New York, N. Y., assignor to Houbigant, Inc., New York, N. Y., a corporation of New York
Application July 13, 1935, Serial No. 57,620
Term of patent 14 years



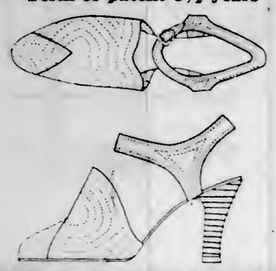
The ornamental design for a bottle substantially as shown.

99,635
DESIGN FOR AN AX HEAD
Howard A. Vaughan, Glencoe, Ill.
Application March 2, 1934, Serial No. 50,923
Term of patent 7 years



The ornamental design for an ax head, substantially as shown and described.

99,636
DESIGN FOR A SHOE
Andrew Goodman, New York, N. Y.
Application April 4, 1936, Serial No. 61,950
Term of patent 3½ years



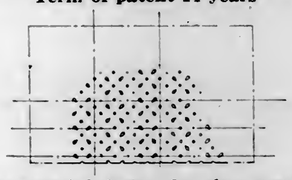
The ornamental design for a shoe substantially as shown.

99,637
DESIGN FOR A DECORATIVE LIGHTING UNIT
Abraham Abramson, New York, N. Y., assignor, by mesne assignments, to G. B. G. Corporation, Newark, N. J., a corporation of New Jersey
Application May 13, 1935, Serial No. 56,807
Term of patent 7 years



The ornamental design for a decorative lighting unit, as shown.

99,638
DESIGN FOR SHOE UPPER MATERIAL
Claude H. Daniels, Wellesley Hills, Mass.
Application March 11, 1936, Serial No. 61,565
Term of patent 14 years



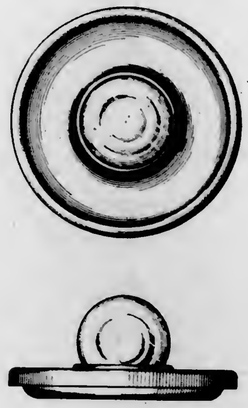
The ornamental design for shoe upper material, substantially as shown and described.

99,639
DESIGN FOR A JAR
Brooks D. Fuerst, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application March 16, 1936, Serial No. 61,657
Term of patent 14 years



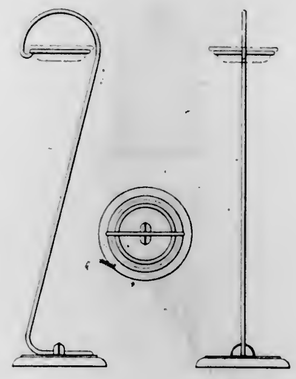
The ornamental design for a jar, substantially as shown.

99,640
DESIGN FOR AN ASHTRAY
Herbert J. Gwyer, Brooklyn, N. Y.
Application February 1, 1935, Serial No. 55,188
Term of patent 3½ years



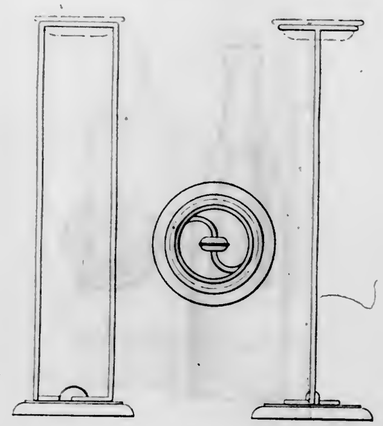
The ornamental design for an ash tray, as shown.

99,641
DESIGN FOR A COMBINED STAND AND TRAY FOR SMOKERS
Miner G. Ketchum, Indianapolis, Ind.
Application April 20, 1935, Serial No. 56,485
Term of patent 3½ years



The ornamental design for a combined stand and tray for smokers, as shown.

99,642
DESIGN FOR A COMBINED STAND AND TRAY FOR SMOKERS
Miner G. Ketchum, Indianapolis, Ind.
Application April 20, 1935, Serial No. 56,486
Term of patent 3½ years



The ornamental design for a combined stand and tray for smokers, as shown.

99,643
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Sylvanus Long, New York, N. Y.
Application April 7, 1936, Serial No. 61,984
Term of patent 3½ years



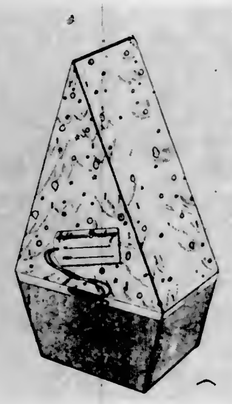
The ornamental design for a textile fabric or similar article, as shown and described.

99,644
DESIGN FOR A BOTTLE
Arnold I. Lorenzen, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application March 20, 1936, Serial No. 61,708
Term of patent 14 years



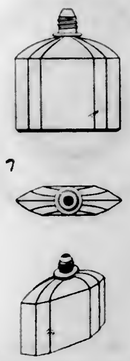
The ornamental design for a bottle, substantially as shown.

99,645
DESIGN FOR A CARTON
Arthur E. Macon and Walter J. Weir, Scarsdale, N. Y., assignors to Container Corporation of America, Chicago, Ill., a corporation of Delaware
Application January 4, 1936, Serial No. 60,425
Term of patent 14 years



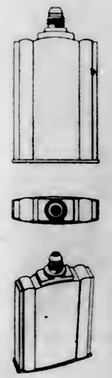
The ornamental design for a carton, substantially as shown and described.

99,646
DESIGN FOR A BOTTLE
Paul Peter Mülhens, Cologne, Germany
Application March 6, 1936, Serial No. 61,497
In Great Britain December 30, 1935
Term of patent 14 years



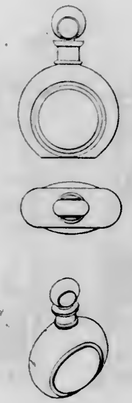
The ornamental design for a bottle, as shown.

99,647
DESIGN FOR A BOTTLE
Paul Peter Mülhens, Cologne, Germany
Application March 6, 1936, Serial No. 61,498
In Great Britain December 30, 1935
Term of patent 14 years



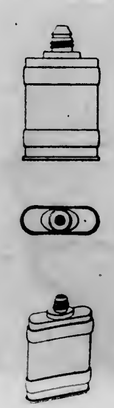
The ornamental design for a bottle, as shown.

99,648
DESIGN FOR A BOTTLE
Paul Peter Mülhens, Cologne, Germany
Application March 6, 1936, Serial No. 61,499
In Great Britain December 30, 1935
Term of patent 14 years



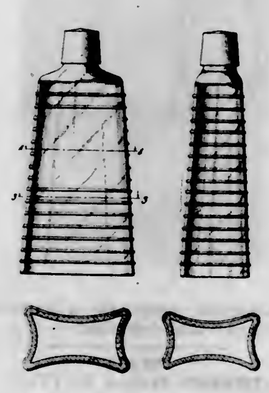
The ornamental design for a bottle, as shown.

99,649
DESIGN FOR A BOTTLE
Paul Peter Mülhens, Cologne, Germany
Application March 6, 1936, Serial No. 61,501
In Great Britain December 30, 1935
Term of patent 14 years



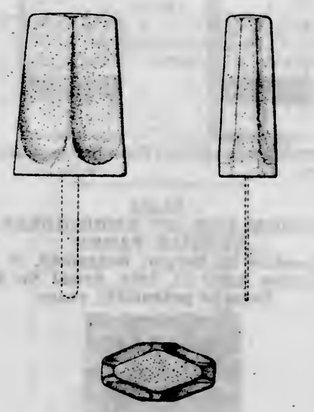
The ornamental design for a bottle, as shown.

99,650
DESIGN FOR A BOTTLE
Grace Chess Robinson, New York, N. Y., assignor to Mary Chess Inc., New York, N. Y., a corporation of New York
Application February 26, 1936, Serial No. 61,366
Term of patent 14 years



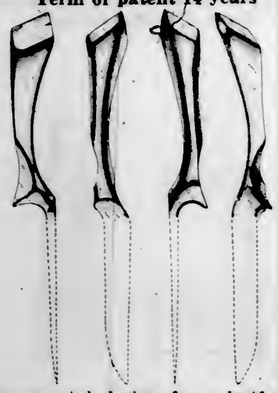
The ornamental design for a bottle, as shown.

99,651
DESIGN FOR A CONFECTIONERY PRODUCT
Norman M. Thomas, Brooklyn, N. Y., assignor to Joe Lowe Corporation, New York, N. Y., a corporation of Delaware
Application June 19, 1935, Serial No. 57,331
Term of patent 14 years



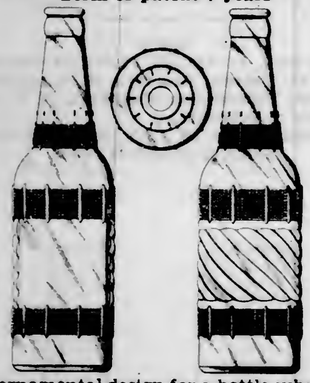
The ornamental design for a confectionery product substantially as shown and described.

99,652
DESIGN FOR A KNIFE OR SIMILAR ARTICLE
Albert Wehde, Chicago, Ill.
Application March 10, 1936, Serial No. 61,552
Term of patent 14 years



The ornamental design for a knife or similar article, as shown and described.

99,653
DESIGN FOR A BOTTLE
William G. Zetzmann, New Orleans, La., assignor to Dr. Pepper Bottling Company, Inc., New Orleans, La., a corporation of Louisiana
Application February 21, 1936, Serial No. 61,295
Term of patent 7 years



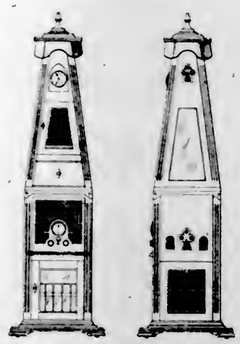
The ornamental design for a bottle substantially as shown.

99,654
DESIGN FOR AN EMBROIDERED TEXTILE FABRIC
Theodore M. Berger, Ridgefield, N. J.
Application April 22, 1936, Serial No. 62,245
Term of patent 3½ years



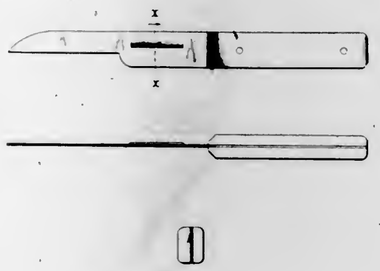
The ornamental design for an embroidered textile fabric substantially as shown.

99,655
DESIGN FOR A COMBINED BOOKCASE, RADIO, STATIONERY COMPARTMENT, LIQUOR COMPARTMENT, CLOCK AND LAMP, OR SIMILAR ARTICLE
Napoléon H. Boisvert, Cambridge, Mass.
Application February 10, 1936, Serial No. 61,062
Term of patent 7 years



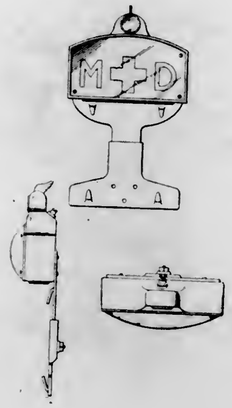
The ornamental design for a combined bookcase, radio, stationery compartment, liquor compartment, clock and lamp or similar article substantially as shown and described.

99,656
DESIGN FOR A PARING AND PEELING KNIFE
Thomas Carangi, West Pittsburgh, Pa.
Application February 18, 1936, Serial No. 61,227
Term of patent 7 years



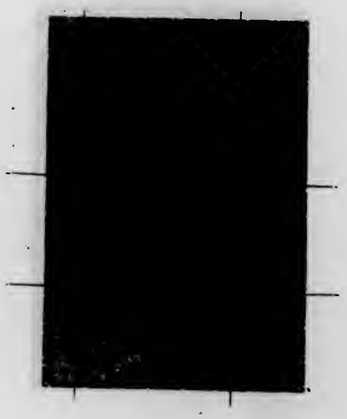
The ornamental design for a paring and peeling knife, substantially as shown.

99,657
DESIGN FOR A COMBINED SIGNAL LIGHT CASING AND LICENSE PLATE HOLDER
Joseph A. Chinsky, Baltimore, Md.
Application March 9, 1936, Serial No. 61,546
Term of patent 7 years



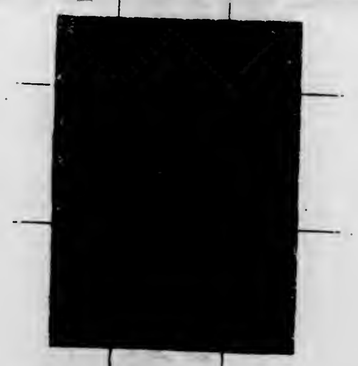
The ornamental design for a combined signal light casing and license plate holder, as shown.

99,658
DESIGN FOR LACE
Jean Dognin, New York, N. Y.
Application April 15, 1936, Serial No. 62,128
Term of patent 3½ years



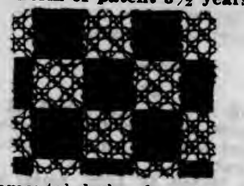
The ornamental design for lace, substantially as shown, and described.

99,659
DESIGN FOR LACE
Jean Dognin, New York, N. Y.
Application April 20, 1936, Serial No. 62,223
Term of patent 3½ years



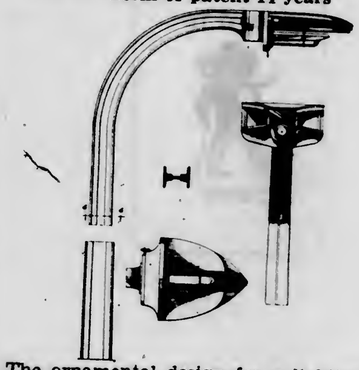
The ornamental design for lace, substantially as shown, and described.

99,660
DESIGN FOR A LACE
Jean Dognin, New York, N. Y.
Application April 22, 1936, Serial No. 62,246
Term of patent 3½ years



The ornamental design for a lace substantially as shown.

99,661
DESIGN FOR A LIGHTING UNIT
Joseph W. Gosling, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 24, 1935, Serial No. 58,279
Term of patent 14 years



The ornamental design for a lighting unit as shown.

99,662
DESIGN FOR A RUG OR SIMILAR ARTICLE
Henry F. Jones, Calhoun, Ga., assignor to Jones Roofing and Supply Company, Inc., Calhoun, Ga., a corporation of Georgia
Application March 18, 1936, Serial No. 61,681
Term of patent 3½ years



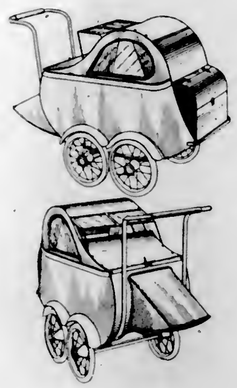
The ornamental design for a rug, or similar article as shown and described.

99,663
DESIGN FOR A RUG OR SIMILAR ARTICLE
Henry F. Jones, Calhoun, Ga., assignor to Jones Roofing and Supply Company, Inc., Calhoun, Ga., a corporation of Georgia
Application March 18, 1936, Serial No. 61,682
Term of patent 3½ years



The ornamental design for a rug or similar article, as shown and described.

99,664
DESIGN FOR A BABY CARRIAGE
James Michal, Chicago, Ill., assignor to Storkline Furniture Corporation, Chicago, Ill.
Application January 21, 1936, Serial No. 60,706
Term of patent 3½ years



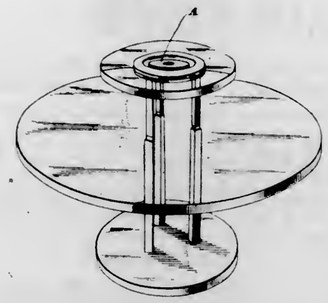
The ornamental design for a baby carriage, as shown.

99,665
DESIGN FOR A TEXTILE FABRIC
William Rose, New York, N. Y.
Application April 15, 1936, Serial No. 62,124
Term of patent 3½ years



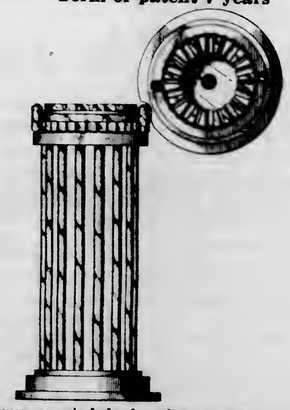
The ornamental design for a textile fabric substantially as shown and described.

99,666
DESIGN FOR A COMBINED TABLE AND COOKING GRILL
Harold M. Schwartz, New York, N. Y.
Application March 21, 1936, Serial No. 61,725
Term of patent 3½ years



The ornamental design for a combined table and cooking grill substantially as shown and described.

99,667
DESIGN FOR AN ASH RECEIVER
Kenneth C. Shyvers and Peter Jaskowiak, Chicago, Ill.
Application March 7, 1936, Serial No. 61,528
Term of patent 7 years



The ornamental design for an ash receiver, substantially as shown and described.

Patents Nos. 2,040,817 to 2,041,681

THE

OFFICIAL GAZETTE

OF THE

United States Patent Office

Vol. 466—No. 3 TUESDAY, MAY 19, 1936 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
Issue of May 19, 1936	481
Adjudicated Patents	481
Notices of Cancellation	481
Applications Under Examination	482
Decisions of the U.S. Courts—	
Davis *v.* Carrier	483
In re Hass	485
Patent Suits	486
Disclaimers	488
Trade-Marks Published (200 Applications)	489
Trade-Mark Registrations Granted	513
Trade-Mark Registrations Renewed	522
Labels	522
Prints	523
Reissues	525
Patents Granted	527
Designs	716

May 19, 1936

Trade-Marks	224—No.	334,860 to No.	335,083, inclusive.
T. M. Renewals	17		
Labels	9—No.	47,482 to No.	47,490, inclusive.
Prints	2—No.	15,706 to No.	15,707, inclusive.
Reissues	6—No.	19,971 to No.	19,976, inclusive.
Patents	865—No.	2,040,817 to No.	2,041,681, inclusive.
Designs	100—No.	99,668 to No.	99,767, inclusive.
Total	1,223		

Adjudicated Patents

(C. C. A. Ohio.) Smith patent, No. 1,301,331, for electrode for arc-welding, claims 1, 4, 7, 14, 15, and 16 *Held* not infringed. *A. O. Smith Corporation* v. *Lincoln Electric Co.*, 82 F.(2d) 226.

(D. C. Iowa.) Kulp patent, No. 1,330,542, for valve-spring lifter, claims 1, 2, 3, and 4 *Held* valid and infringed. *K-D Mfg. Co.* v. *Waterloo Valve Spring Compressor Co.*, 13 F. Supp. 811.

(C. C. A. Ohio.) Russ patent, No. 1,528,345, for heel and method of making the same, claims 1, 2, and 3 *Held* invalid. *Vulcan Corporation* v. *United Shoe Machinery Corporation*, 82 F.(2d) 195.

(D. C. Iowa.) Sulentic patent, No. 1,603,818, for spring receiving and manipulating clip, *Held* invalid. *K-D Mfg. Co.* v. *Waterloo Valve Spring Compressor Co.*, 13 F. Supp. 811.

(C. C. A. Ohio.) Pipkin patent, No. 1,687,510, for electric-lamp bulb, claims 1 and 2 *Held* valid and infringed. *General Electric Co.* v. *Save Sales Co.*, 82 F.(2d) 100.

(C. C. A. Ohio.) Stresau patent, No. 1,754,063, for coated metallic-arc weldrod and method of making the same, *Held* invalid. *A. O. Smith Corporation* v. *Lincoln Electric Co.*, 82 F.(2d) 226.

(D. C. Mass.) Small patent, No. 1,826,532, for reversing seat base, claims 1, 3, and 7 *Held* valid and infringed. *Small* v. *Heywood-Wakefield Co.*, 13 F. Supp. 825.

(C. C. A. Mass.) Drinker and Shaw patent, No. 1,834,580, for respiration apparatus, claims 1 to 3, 6, and 8 to 11 *Held* invalid, and claim 7 *Held* not infringed. *Collins* v. *Emerson*, 82 F.(2d) 197.

(D. C. Iowa.) Kulp and Dellinger patent, No. 1,879,330, for valve spring lifter, claims 7, 8, 9, and 10 *Held* valid and infringed. *K-D Mfg. Co.* v. *Waterloo Valve Spring Compressor Co.*, 13 F. Supp. 811.

(C. C. A. N. Y.) Kienle patent, No. 1,893,873, for resinous condensation products and process of making them, *Held* invalid. *General Electric Co.* v. *Paramet Chemical Corporation*, 82 F.(2d) 280.

(C. C. A. Mass.) Drinker and Shaw patent, No. 1,906,453, for respirator, claims 1, 3 to 5, and 7 *Held* valid and infringed. *Collins* v. *Emerson*, 82 F.(2d) 197.

(C. C. A. Mass.) Drinker and Shaw patent, No. 1,906,844, for artificial respirator, claims 1, 2, 4, 6 to 10, and 13 to 15 *Held* invalid. *Id.*

Notices of Cancellation

U. S. Patent Office, *Washington, Apr. 24, 1936.*

Joseph W. Schloss Co., its assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by Paul Tresenberg, 143–16 184th Street, Springfield Gardens, New York, N. Y., to effect the cancellation of trade-mark registration of Joseph W. Schloss Co., 160 Fifth Avenue, New York, N. Y., No. 125,915, dated July 8, 1919, and the notice of such proceeding sent by registered mail to the said Joseph W. Schloss Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Joseph W. Schloss Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
Assistant Commissioner.

U. S. Patent Office, *Washington, April 28, 1936.*

United States Cutlery Co., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Ekstrand Mfg. Co., Inc., 55 West Forty-second Street, New York, N. Y., to effect the cancellation of trade-mark registration No. 284,695, issued July 7, 1931, to United States Cutlery Co., Belleville, N. J., and a notice of such proceeding sent by registered mail to said United States Cutlery Co. at said address having been returned by the post office with the notation "Defunct" endorsed thereon, notice is hereby given that unless said United States Cutlery Co., its assigns or legal representatives, shall enter an appearance within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

LESLIE FRAZER,
Assistant Commissioner.

Condition of Applications Under Examination at Close of Business May 2, 1936

(Total number of applications awaiting action, excluding Trade-Mark Division, 32,321; Trade-Mark Division, 1,545. Oldest new case, January 6, 1936; oldest amended, January 2, 1936.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Mar. 2	Mar. 4	312
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Velocipedes; Butchering; Bee Culture.	Jan. 14	Jan. 10	781
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Feb. 3	Feb. 3	557
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Jan. 31	Feb. 3	501
3628	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Feb. 4	Feb. 3	502
4898 C	6. LEWERS, A. M., Carbon Chemistry	Feb. 17	Feb. 18	483
5726	7. JARBOE, C. O., Optics; Photography	Feb. 19	Feb. 19	714
3599	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Feb. 24	Feb. 28	425
4924	9. ADAMS, B. E., Pumps; Fluid and Fluid-Current Motors	Mar. 7	Mar. 10	333
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Mar. 5	Mar. 13	247
3067 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Feb. 11	Feb. 10	460
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	Feb. 3	Feb. 3	472
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Mar. 4	Mar. 4	342
5097	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Feb. 1	Jan. 27	596
4897	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	Feb. 18	Feb. 18	696
5612	16. SPENCER, C. J., Telegraphy; Telephony	Feb. 4	Feb. 4	516
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Feb. 5	Feb. 3	617
4612	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Jan. 21	Jan. 20	437
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Feb. 2	Feb. 3	549
6613	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking	Feb. 6	Feb. 10	397
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Feb. 10	Feb. 11	527
5734	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Feb. 6	Feb. 6	531
7824	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	Jan. 6	Jan. 2	501
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Feb. 18	Feb. 5	433
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Feb. 4	Feb. 4	527
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Feb. 28	Feb. 27	306
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	Feb. 4	Feb. 5	459
4626	28. BENSON, A. R., Internal-Combustion Engines	Feb. 3	Jan. 18	425
5082	29. SHKLARIN, J. B. (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Supports, Tables.	Feb. 21	Feb. 28	368
4074	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Feb. 3	Feb. 3	549
4716	31. DUNCOMBE, C. S. (Act.), Gas, Heating and Illuminating; Mineral Oils	Feb. 10	Feb. 3	478
4086	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Feb. 24	Feb. 17	435
6098	33. WYMAN, W. L., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads and Pavements.	Feb. 12	Mar. 3	493
5625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Feb. 3	Feb. 6	376
3600	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Filling and Closing Portable Receptacles.	Jan. 25	Jan. 25	562
7892	36. McFADYEN, A. D., Measuring Instruments; Force Measuring; Automatic Weighers	Mar. 14	Mar. 13	216
5696 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Feb. 3	Feb. 3	524
7510	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Walls; Plastic Compositions.	Feb. 10	Feb. 12	386
4872	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Mar. 5	Mar. 9	264
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Jan. 16	Jan. 23	993
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Feb. 5	Feb. 3	510
3882	42. CUTTING, H. O., Electric Signaling	Feb. 6	Feb. 4	380
4286 B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Feb. 8	Feb. 8	655
4067 B	44. SHAFFER, C. H., Refrigeration; Dispensing Beverages	Feb. 1	Feb. 1	588
7097	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Mar. 2	Mar. 3	264
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements.	Feb. 13	Feb. 13	417
7600	47. BARKER, H., Clutches; Brakes	Feb. 10	Feb. 13	489
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Feb. 5	Feb. 5	463
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Mar. 6	Mar. 3	404
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	Jan. 22	Jan. 22	894
5628	51. BACKUS, C. D., Radiant Energy	Feb. 20	Feb. 20	551
7709	52. KNOTTS, M. E., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housings; Laminated Packing.	Feb. 14	Feb. 5	491
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Feb. 3	Jan. 31	644
5874	54. WAITE, W. R., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	Feb. 6	Feb. 3	394
6987	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Jan. 11	Jan. 11	802
4725	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation	Feb. 10	Feb. 8	720
3625	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Exercising Devices.	Feb. 24	Feb. 27	270
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Feb. 3	Feb. 4	385
4709	59. RICHARD, V. I., Chemistry; Fertilizers	Feb. 21	Feb. 27	580
3696	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Mar. 3	Mar. 3	275
6724	61. PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus.	Feb. 3	Feb. 20	278
3876	62. COCHRAN, W. W., Games; Geometrical Instruments	Feb. 24	Mar. 2	380
4888	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	Feb. 3	Feb. 3	449
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel; Alcohol.	Feb. 15	Feb. 15	677
5634	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Jan. 10	Jan. 10	632
2099 B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	Mar. 28	Apr. 16	1,291
	{Labels and Prints	Apr. 1	Apr. 16	254
2605	Designs. H. H. KALUPY (Act.)	Apr. 3	Apr. 14	549

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

DAVIS *v.* CARRIER

No. 3,557. Decided February 3, 1936

1. INTERFERENCE—PRIORITY.

Evidence reviewed and *Held* that C., the junior party, was the first and original inventor of the subject matter of the counts and that priority was properly awarded to him.

2. SAME—EMPLOYER AND EMPLOYEE.

Evidence reviewed and *Held* that neither D. nor his employer, the Baltimore and Ohio Railroad Company, occupied the relation to C. of employer to employee since neither of the former directed the work of C. or paid him compensation.

APPEAL from the Patent Office. Affirmed.

Mr. Robert T. Palmer and *Mr. Edmund H. Perry, Jr.*, for Davis.

Mr. Herman Seid and *Mr. Charles J. Staples* for Carrier.

BLAND, *J.*:

Appellant has here appealed from the decision of the Board of Appeals of the United States Patent Office which affirmed the decision of the Examiner of Interferences in awarding priority of invention to the junior party, Carrier, in two counts of an interference, which counts were taken from the Davis application and are as follows:

1. The method of conditioning the air in a passenger vehicle, which consists in drawing the air into a unit, passing the air through a cold water spray in said unit to remove all foreign matter therefrom, and reducing the temperature of the air, regulating its moisture content, and eliminating the entrained water from the air, all of which is accomplished in said unit, and then distributing the conditioned air into the space occupied by passengers in said vehicle, removing the heat units from said spray water, and returning said cooled water to said spray, then dissipating these heat units in a cooling tower.

2. The method of conditioning the air in a passenger vehicle, which consists in drawing the air into a unit, passing the air through a cold water spray in said unit to remove all foreign matter therefrom, and reducing the temperature of the air, regulating its moisture content, all of which is accomplished in said unit, and then distributing the conditioned air at a plurality of points into the space occupied by passengers in the said vehicle, and then cooling the said water for reuse and returning it to the spray.

As will be observed from the counts, the issue relates to a method of conditioning the air in passenger vehicles by passing the air through a cooled water spray in a unit to remove foreign matter therefrom, lower the temperature of the air, regulate its moisture content and eliminate the entrained water from the air. After the air is conditioned, it is distributed through ducts into the spaces occupied by the passengers in the vehicle. Refrigerating apparatus removes the heat from the spray water which is returned to the spray unit. Count 1 calls for a cooling tower for cooling the spray water, and count 2 omits reference to any specific means for cooling the water. Since appellant stresses the importance of his being the first to suggest the installation of all the apparatus here involved in one passenger vehicle in which the air is to be conditioned, it is important to note that neither of the counts calls for any definite location of the apparatus involved in the method.

The party Davis is "Chief Engineer, Electric Traction, Baltimore & Ohio Railroad", and the party Carrier is chairman of the board of the Carrier Engineering Corporation, which with its subsidiary and connected companies is engaged in manufacturing, installing and designing air conditioning equipment and systems.

There is much testimony in the record concerning early conversations between the parties in which apparatus for use in conditioning air in passenger vehicles was discussed. In view of our conclusion, it will not be necessary to consider all the testimony of the voluminous record. The facts which we regard as pertinent to our decision of the issues involved follow:

Prior to any contact being made between Davis and Carrier, the Baltimore and Ohio Railroad Company assigned to their chief engineer of electric traction, Davis, the duty of selecting air conditioning equipment and installing the same on its cars. Davis knew of certain refrigerating and air conditioning machinery which the Carrier Corporation manufactured, and also had in mind certain apparatus manufactured by the Frigidaire Corporation and others. From the beginning of the transactions between Davis and Carrier, it seemed to be the purpose of Davis to put the Carrier spray dehumidifier unit, together with some kind of refrigerating unit, on each individual car which was to be air conditioned. In view of the fact that there was danger of the ammonia from the compressors escaping into the passenger vehicle if so installed, Carrier at first did not readily agree to this system of installation and advocated putting the refrigerating machine in the baggage car or at least outside of the air conditioned car. Davis, however, was insistent that some kind of satisfactory air conditioning system involving the water spray method be installed on the car which was to be used for experimentation. The record is full of correspondence and conversations between Carrier and Davis relating to the installation of an air conditioning system. "B. and O. car No. 5275" had been chosen as the vehicle upon which experiments were to be made. Carrier, after some correspondence, succeeded in getting Davis to send him blue prints showing the available spaces in said car in which the apparatus might be installed. Carrier then drew or caused to be drawn complete plans for the installation of the units in the car, and with Davis' permission, and at the request of the railroad officials, proceeded to install the units in the car in accordance with said plans. In this task he was aided by H. Richard Arf, his assistant, a graduate engineer. Arf worked under Carrier's direction, and stayed on the job until it was finished. He then tested it on the standing car, as well as on the car while running, and found that it performed its intended functions satisfactorily. John D.

Winters did some work in connection with the installation of the system. He was general foreman, electrical department, of the Mount Clare shops of the Baltimore and Ohio Railroad Company.

At the hearing here it was stated that this invention had not gone into commercial practice. It was suggested that the use of the water spray method had not met with the commercial success which had been anticipated for it, and that possibly there were other objections to the system which rendered it commercially impracticable at this time. It is clearly shown in the record, however, that the system installed performed satisfactorily the function of cooling, dehumidifying, purifying, and distributing the air.

While there is certain documentary evidence in the record, introduced by Davis, which is, to some extent, relied upon by Davis as having a bearing upon the question of priority herein being considered, none of the same, we think, supports appellant's contentions or in any way affects our conclusion.

It is Davis' chief contention here that since he was the first to insist upon the particular kind of construction which is involved in the conditioning of the air of said car No. 5275, and that it was by virtue of his insistence that Carrier finally consented to the installation, he should be regarded as the first inventor, having first conceived the invention, and that Carrier's and Arf's work was merely that of skilled mechanics carrying out the details of the plan which he, Davis, had devised. This contention, he maintains, rests upon the familiar principle announced in numerous decisions, not necessary to discuss here, to the effect that where an inventor conceives an invention and lays out and describes to another the plan of the same and directs how it shall be constructed, he is entitled to the benefit of the work of the one who carries out and puts into operation such a plan. This principle is involved in the following authorities: *Fritz* v. *Haton*, 17 C. C. P. A. (Patents) 796, 37 F.(2d) 430, 394 O. G. 3; *Braunstein* v. *Holmes*, 30 App. D. C. 328, 133 O. G. 1937; *Novelty Glass Mfg. Co.* v. *Brookfield et al*, 170 Fed. 946.

The second contention of the appellant is that the record shows that the relation of employer and employee existed; that Carrier and Arf were his employees, or possibly his contention may amount to a claim that Carrier and Arf were the employees of Davis' employer, the Baltimore and Ohio Railroad Company. It is stated by appellee and not disputed by appellant that the B. F. Sturtevant Company, an active competitor of the Carrier Engineering Corporation, in manufacturing air conditioning devices, is the owner of the Davis application and the real party in interest. Just what relations exist between said Sturtevant Company and the Baltimore and Ohio Railroad Company is not disclosed.

The Examiner of Interferences held that the facts of record did not show that Davis was the inventor; that certain evidence

"appears to show that the working out of the problem of air conditioning in every detail was put up to the Carrier organization and contains no indication of any prior idea on the part of Davis as to the specific methods required by the counts".

and that

"Davis at the most went no further than to suggest results without suggesting methods or means. The presumption is in favor of Carrier as the skilled inventor in the air conditioning art. *Lawner* v. *Kalsman*, [20 C. C. P. A. (Patents) 924] 17 Pat. App. [Pat. Quar.] 223; 64 F.(2d) 128; 423, O. G. 4".

The Examiner of Interferences further held that Davis derived the invention from Carrier.

The Board of Appeals, although employing somewhat different language, affirmed the decision of the Examiner of Interferences, and based its affirmance upon substantially the same reasons as those assigned by him. The Board explains Carrier's reluctance in making the installation suggested by Davis as follows:

> * * * Carrier explains that he urged this for the reason that he felt a satisfactory refrigerating unit could not be found for the purpose as if the apparatus was installed in individual cars it would have to occupy a comparatively small space and a refrigerating unit which would be large enough to do the work satisfactorily and yet small enough to occupy little room in a passenger coach was not available on the market. There was some talk of using an evaporative system to cool the spray water but this was not thought feasible. Mr. Carrier offered to loan Mr. Davis two of the Carrier spray units and let him experiment with these units and also offered to send an engineer to aid in installation of the plant.
>
> Mr. Davis was not discouraged by Mr. Carrier's attitude but corresponded with a number of companies having to do with air conditioning and refrigeration to get what information he could in this connection. Finally Mr. Davis was authorized by the management of the Baltimore & Ohio Railroad to make tests of an air conditioning equipment in a Baltimore & Ohio coach and he then sought and obtained the loan of various parts of an equipment for this purpose and finally notified Mr. Carrier that the Frigidaire Company had promised to loan certain refrigerating equipment for this test in connection with the two Carrier spray units promised by Mr. Carrier. Then Mr. Carrier expressed a desire to cooperate with Mr. Davis in equipping the Baltimore & Ohio coach with the air conditioning system including a spray cooler and refrgerating equipment and Mr. Carrier asked that the equipment be borrowed through him. Mr. Carrier then obtained refrigeration equipment from the Brunswick-Kraeschell Company and also suitable motors for operating the apparatus from the General Electric Company.
>
> Davis makes a great point of the fact that Carrier did not seem particularly interested in the projected tests until he, Davis, had practically obtained permission to use a Baltimore & Ohio coach and had obtained the loan of suitable equipment to be placed in the coach for the test. Carrier evidently had no special urge to carry out these experiments with his knowledge of the equipment suitable on the market at that time but perhaps this is explained by the fact that this refrigerating equipment used as refrigerants certain chemicals which in case of an accident to the train would be dangerous to the occupants of the coach as well as the fact that the refrigerating equipment on the market was not of proper capacity or if of proper capacity not of proper size to be conveniently positioned in a passenger coach. It is true that the equipment from the Brunswick-Kraeschell Company which was finally used was perhaps known to Mr. Carrier at this time and made use of a refrigerant which had the characteristics thought to be undesirable by Mr. Carrier but evidently Carrier knew of none better on the market and as the tests were to take place used what he considered best.

The Board then points out that the counts involved do not necessarily call for the positioning of all the units of the system in a passenger vehicle and that the positioning of some of the apparatus in a baggage car, which Carrier was urging, would satisfy the counts.

[1] We agree with the conclusion reached by the Board that Carrier was the first and original inventor of the subject matter of the counts, and that Davis at most only suggested the desirability of having a car air conditioned by apparatus involving units all of which were to be installed on a single car. Davis was not skilled in this art. The testimony shows very clearly that he had no comprehension of the ultimate effect or practicable commercial value of the proposed combination of the various units employed, or certain dangers incident thereto. He did not suggest to Carrier any such plan as is involved in either of the cited cases relied upon by Davis.

It is our view that more than mere mechanical skill was required to produce an air conditioned vehicle, such as Davis hoped for, and we agree with the Board that the Carrier Engineering Corporation, through Arf, directed and performed that which neither Davis nor Winters "were equal to supplying".

The Carrier Engineering Corporation spent about $5,000 in making the installation, none of which was repaid by Davis or his company. It is true that Davis or the Baltimore and Ohio Railroad Company furnished certain materials and expended some money, small in comparison to that spent by Carrier, in connection with the enterprise, and that Winters helped in the installation of the system.

[2] We agree with the tribunals below that there was no relation of employer and employee, such as would entitle Davis to the benefit of the work of Carrier and Arf, shown in the record at bar. Carrier and Arf did not work under Davis' directions nor did they receive compensation from him. They were both privileged to do the work called for by the plans, furnished by Carrier, without regard to any orders or supervision on the part of Davis. Neither do we think that Carrier and Arf were the employees of the Baltimore and Ohio Railroad Company so as to bar Carrier being held the inventor of the system produced. There is nothing in the record that would indicate that the Baltimore and Ohio Railroad Company regarded Carrier and Arf as its employees. It paid them nothing and it did not direct the manner in which they performed the task undertaken.

We have carefully read and considered the voluminous record and briefs, and, in view of our conclusion that the Board arrived at the correct result for the reasons which it assigns, no useful purpose could be served in discussing here all the different phases of the case discussed by the parties and the tribunals below.

After the original transcript of record had been certified from the Patent Office, appellee suggested a diminution thereof, and this court issued a writ of certiorari requiring that certain additions to the record be certified by the Commissioner of Patents and that the same be printed. In pursuance to said writ, said additions were made to the record. It is our view that the additional record so certified and printed was unnecessary to a proper determination of the issues in this case, and that the cost of printing the same should be taxed against the appellee, and it is so ordered.

The decision of the Board of Appeals is affirmed.

Affirmed.

U. S. Court of Customs and Patent Appeals

IN RE HAAS

No. 3,589. Decided February 17, 1936

81 F.(2d) 408

PATENTABILITY—MACHINE FOR AND METHOD OF SLICING AND WRAPPING BREAD.

Claims for a machine for slicing and wrapping bread in atmosphere of sterilized air and claims for a method performed by that machine *Held* unpatentable over the prior art.

APPEAL from the Patent Office. Affirmed.

Messrs. Gilson, Mann & Cox, *Mr. J. D. Cox*, and *Mr. Watts T. Estabrook* for Haas.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

LENROOT, *J.*:

This is an appeal from a decision of the Board of Appeals of the United States Patent Office, affirming that of the Examiner, rejecting all of the claims of appellant's application for lack of invention in view of the prior art. Twelve claims are involved, numbered 27 to 31, inclusive, and 33 to 39, inclusive. Claims 29 and 37 to 39, inclusive, are method claims, and the others are product claims.

Claims 27 and 29 are illustrative of the claims in issue and read as follows:

> 27. In combination, a bread slicing machine, a bread wrapping machine, means for conveying baked products through said slicing machine, slicing said products, delivering the same to said wrapping machine and mechanism within said wrapping machine for enclosing said bread within a wrapper, and means for maintaining said bread in an atmosphere of sterilized air from immediately prior to its slicing until after it is wrapped.
>
> 29. A method of slicing and wrapping bread which consists in moving the bread through a zone of sterilized air, slicing the bread in said air, and finally wrapping said bread while in said sterilized air.

The references cited are: Myers, 1,056,046, March 18, 1913; Rutten, 1,200,651, October 10, 1916; Lueders, 1,282,251, October 22, 1918; Hieber, 1,429,679, September 19, 1922; Nicolait, 1,594,794, August 3, 1926; Rohwedder, 1,682,581, August 28, 1928; Schaffner, 1,768,635, July 1, 1930; Atkins, 1,836,009, December 15, 1931; Mayor (British), 335,013, September 18, 1930.

The alleged invention is, we think, accurately described in appellant's brief as follows:

> The invention (R. pp. 3–12D) relates to a method of and apparatus for slicing and wrapping bread in a certain manner and by a particular mechanism so that the resulting wrapped product will be free from objectionable germ spores and micro-organisms.
>
> The apparatus (R. pp. 3–12D) comprises what may be considered an elongated casing or a long enclosure or passage within which are located (1) a slicing machine provided with a plurality of reciprocating blades, and, beyond the slicing machine (2) a wrapping machine. Suitable conveyors are provided for conducting loaves of bread into and along the passage where it is automatically sliced and wrapped in *one continuous* operation. Means are provided for maintaining a sterilized atmosphere within the passage. In the form of the device shown in Figs. 1 to 8, inclusive, of the drawing, this means is in the form of nozzles which discharge sterilized air *directly onto the slicing knives* both above and below the loaves, thereby not only keeping the knives sterilized, but maintaining a sterilized atmosphere throughout the entire passage. In the other form of construction disclosed in Figs. 9 and 10, *ultraviolet rays are projected against the knives and bread while it is being sliced*, and against the wrapping paper and loaf both immediately before it is wrapped and onto the package after it is wrapped.

We do not find it necessary to discuss all of the

references cited, but briefly describe those which we consider to be pertinent, as follows:

The patent to Hieber relates to a process for treating fruit juices in which a moderate sterilizing temperature is employed for a long period to eliminate bacteria ferments and yeast; sterilized air is employed.

The patent to Nicolait relates to a method and means for preserving perishable articles, in which a neutral or sterile atmosphere is preserved during a wrapping or packaging operation; the patent discloses a bread-wrapping machine arranged to have streams of carbon dioxide projected against the surface of each successive load as it undergoes the wrapping operation.

The patent to Lueders relates to a method of treating bread in which a wrapping machine is provided with a sterilizer for sterilizing by heat.

The patent to Schaffner relates to apparatus for sterilizing cereals with ultra-violet rays.

The patent to Rutten relates to a process of sterilization of victuals in which the packaged product is sterilized by heat.

The patent to Rohwedder relates to a bread fastening machine intended to secure the slices of a loaf of bread together in their original position after the loaf has been cut by a bread-slicing machine. The patent states that the cut bread may be secured together by stapling, after which

"it may be further secured by wrapping each individual loaf either manually or by being fed into a wrapping machine as it leaves the cutter."

The Examiner in his statement said:

Claims 29, 37, and 38 are deemed to be lacking in invention over the conventional manner of slicing loaves of bread in view of the very common expedient of resorting to carrying out processes or operations in sterile atmospheres, as see, for example, the Hieber patent, and more particularly the Nicolait patent. Obviously, applicant has not discovered that the atmosphere carries molds and organisms which cause the spoilage of bread and numerous other foodstuffs. Such knowledge has existed for a long period of time and is almost commonplace. If it were thought expedient to carry out food treating operations under sterile conditions, the concept of so doing would be clearly devoid of inventive thought. The situation is not existent herein of inventive ingenuity being required to appreciate what the problem is, for here it is deemed self-evident that bread, particularly when sliced in a warm state as is generally the practice, will spoil more rapidly if treated in the ordinary atmosphere than in a sterilized medium. And when the Nicolait patent is considered, the position just stated is rendered even more conclusive.

With respect to the remaining claims, the Examiner held that, the practice broadly of slicing and wrapping bread while the latter is maintained in a sterile atmosphere being uninventive, there were no elements of structure or steps embraced in such claims that would not be obvious to one skilled in the art, without the exercise of the inventive faculty.

The Board of Appeals affirmed all the grounds of rejection stated by the Examiner.

We are constrained, in view of the references, to agree with the Patent Office tribunals in their conclusions and the reasoning upon which they are based.

While appellant contends that he was the first to apply sterilized air and violet rays directly to the slicing knives, we would observe that his entire casing surrounding the knives is constantly filled with sterilized air, and therefore there would be little opportunity for the spores or micro-organisms to become attached to the blades, other than might be found in the bread to be sliced.

With respect to appellant's claim that he was the first to appreciate the fact that in slicing bread it was the knives or blades carrying mold spores and other micro-organisms into the interior of the loaf that caused the rapid development of mold and other deteriorating organisms between the slices, we are of the opinion that this was merely the ascertainment of a scientific fact. This being true, we are in agreement with the Patent Office tribunals that there is nothing in any of said claims describing structure or method that, in view of the references, would not be obvious to one skilled in the art, without the exercise of the inventive faculty.

While appellant's apparatus and methods are no doubt novel in the sense that the complete structure and steps are not shown in the prior art, that is not sufficient to make the claims patentable; there is also required the exercise of the inventive faculty. *Thompson, etc.* v. *Boisselier et al.*, 114 U.S. 1, 31 O. G. 377.

Aside from the sterilizing feature of appellant's alleged invention, he contends that none of the references disclose the combination of bread slicing and wrapping mechanism. The patent to Rohwedder states, as hereinbefore set forth, that after the sliced bread is secured together by stapling,

"it may be further secured by wrapping each individual loaf either manually or by being fed into a wrapping machine as it leaves the cutter."

We think the foregoing assumes, or at least includes, an automatic feeding of the loaves into the wrapping machine, and in any event we see no invention in using well-known automatic means in lieu of feeding the loaves into the wrapping machine by hand.

In the case of *In re Gill*, 17 C. C. P. A. (Patents) 700, 36 F.(2d) 128, 392 O. G. 493, we quoted with approval from the case of *Murray Rubber Co.* v. *De Laski & Thropp Circular Woven Co.*, 21 F.(2d) 822, as follows:

Although invention may be found in mechanism that supplants hand operation, particularly where mechanism, in way of its own, dispenses with human element, where there has been no substantial change in mechanism or method of making product, and steps are, same, and succession from one step to the other is the same as those in manual art, general rule of patent law is against "invention."

To a like effect, see *In re Rundell*, 18 C. C. P. A. (Patents) 1290, 48 F.(2d) 958, 411 O. G. 537.

For the reasons herein stated, the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,275,294, R. A. Oglesby, Combined internal combustion engine and magneto; 1,338,151, same, Detachable magneto armature head and core, filed Mar. 13, 1936, D. C. Wis. (Milwaukee), Doc. 4860, *Quick Action Ignition Co.* v. *Briggs & Stratton Corp.*

1,299,747, J. R. McClain, Wood veneer, D. C., W. D. Mich., S. Div., Doc. E 2726, *Westinghouse Electric & Mfg. Co. et al.* v. *S. E. Overton Co.* Dismissed Mar. 13, 1936.

1,304,166, R. Douglas, Food products and their method of manufacture, D. C. Wash. (Seattle), Doc. 1077, *General Foods Corp.* v. *J. H. Broder.* Claims 2 and 5 held valid; injunction Mar. 11, 1936.

1,306,768, J. V. Martin, Aircraft running and alighting device; 1,418,008, same, Aircraft structure; 1,431,017, same, Aeroplane alighting device, filed Mar. 7, 1936, D. C. Del., Doc. E 1164, *J. V. Martin* v. *United Aircraft Corp. et al.*

1,317,473, E. Anfiero, Physical instrument for the production of sound waves; Re. 17,560, R. O. Hood, Acoustic signaling device, filed Feb. 28, 1936, D. C., N. D. Ind. (Ft. Wayne), Doc. E 376, *E. A. Laboratories, Inc., et al.*, v. *Delta Electric Co.*

1,338,151. (See 1,275,294.)

1,340,376, A. L. Cole, Fire extinguisher; 1,464,001, R. C. Iddings, Holder for fire extinguishers, D. C., S. D. N. Y., Doc. E 74/239, *The Fyr-Fyter Co.* v. *G. H. Downing* (*Columbia Fire Extinguisher Co.*). Dismissed Mar. 5, 1936.

1,356,608, J. V. Dorr, Thickener; 1,434,597, same, Settling apparatus; 2,003,561, Studley & Gilbert, Egg grading machine, filed Feb. 6, 1936, D. C. Del., Doc. E 1163, *Link Belt Co.* v. *The Dorr Co., Inc.*

1,402,642, S. J. Newman, Clasp for corsets; 1,402,643, same, Corset, filed Feb. 29, 1936, D. C., E. D. Pa., Doc. 9323, *I. Newman & Sons, Inc.*, v. *W. Berg* (*Trueform Corset Co.*).

1,402,643. (See 1,402,642.) 1,418,008. (See 1,306,768.)

1,431,017. (See 1,306,768.) 1,434,597. (See 1,356,608.)

1,448,709, J. E. Schulze, Art of oil distillation; 2,017,820, same, Mineral oil distillation, filed Mar. 9, 1936, D. C., E. D. Pa., Doc. 9337, *Red River Refining Co.* v. *Sun Oil Co.*

1,464,001. (See 1,340,376.)

1,471,465, 1,488,244, 1,488,246, S. Hinton, Climbing structure, D. C., S. D. N. Y., Doc. E 78/263, *Junglegym, Inc.*, v. *The Playground Equipment Co., Inc., et al.* Consent decree as to Playground Co., discontinued as to other defendants (notice Mar. 4, 1936).

1,477,648, J. T. Huston, Peanut shelling machine, filed Nov. 20, 1935, D. C., N. D. Fla. (Pensacola), Doc. —, *C. R. Medley et al.* v. *R. O. Collins et al.*

1,483,466, Maurer & Maurer, Scenery forming paper and method of preparing same; 1,650,372, same, Scenery forming paper, appeal filed Feb. 4, 1936, C. C. A., 3d Cir., Doc. 6042, *O. B. Maurer et al.* v. *B. J. Van Sciver et al.*

1,488,244. (See 1,471,465.) 1,488,246. (See 1,471,465.)

1,502,106, W. H. Lyne, Device for oil and gas wells, filed Mar. 10, 1936, D. C., S. D. Tex. (Houston), Doc. E 722, *Gray Tool Co. et al.* v. *Oil Center Tool Co.*

1,528,345, H. W. Rush, Heel and method of making same, C. C. A., 6th Cir., Doc. 6836, *Vulcan Corp.* v. *United Shoe Machinery Corp.* Patent held invalid Mar. 12, 1936.

1,546,830, A. Friedman, Watch crystal, D. C., W. D. N. Y., Doc. 272, *Permanent Bevel Unbreakable Crystal Co.* v. *H. Germanow et al.* Dismissed for lack of prosecution Mar. 10, 1936.

1,605,445, F. L. Killian, Machine for manufacturing thin rubber articles, filed Mar. 4, 1936, D. C., S. D. Calif. (Los Angeles), Doc. E 859–S, *F. B. Killian* v. *I. W. Robertson et al.*

1,633,739, H. J. Gaisman, Safety razor, C. C. A., 3d Cir., Doc. 5760, *Gillette Safety Razor Co.* v. *Essex Razor Blade Corp.* Decree reversing Mar. 5, 1936.

1,650,372. (See 1,483,466.)

1,709,600, H. M. Baker, Camera copy, and method of, and medium for making same, filed Mar. 13, 1936, D. C. Colo. (Denver), Doc. 10719, *H. M. Baker et al.* v. *H. R. Meininger Co.*

1,722,671, A. E. Lingo, Method of making columns, D. C., N. D. Ohio, W. Div., Doc. E 1327, *J. E. Lingo & Sons, Inc.*, v. *E. J. Walker* (*Baartol Co.*) *et al.* Patent held valid and infringed, suit dismissed without prejudice as to Shaw-Kendall Engineering Co. Mar. 13, 1936.

1,744,016, A. P. Steckel, Metal rolling, filed Mar. 11, 1936, D. C. Del., Doc. E 1165, *The Cold Metal Process Co.* v. *Continental Roll & Steel Foundry Co.*

1,753,156, Re. 18,109, G. E. Otis, Heating and ventilating apparatus; 1,838,504, W. Shurtleff, Heating and ventilating system; 1,913,681, same, Method of heating and ventilating, filed Mar. 9, 1936, D. C., E. D. Pa., Doc. 9335, *The Herman Nelson Corp.* v. *J. J. Nesbit, Inc.*

1,780,744, W. J. DeWitt, Hosiery form, filed Mar. 10, 1936, D. C., S. D. N. Y., Doc. E 82/243, *Shoe Form Co., Inc.*, v. *C. Brager* (*Brager Fixture Co.*).

1,822,402, W. F. Hoeltke, Safety gas cock, C. C. A., 4th Cir., Doc. 3815, *W. F. Hoeltke* v. *The C. M. Kemp Mfg. Co.* Decree reversed Jan. 10, 1936.

1,822,530, M. Kind, Apparatus for handling cement in bulk, D. C. Del., Doc. E 946, *Hercules Cement Corp.* v. *Pennsylvania-Dixie Cement Corp.* Dismissed for want of equity Feb. 6, 1936.

1,838,504. (See 1,753,156.)

1,850,049, E. S. Cornell, Jr., Pipe fitting and method of making same, D. C., S. D. N. Y., Doc. E 82/162, *American Radiator Co.* v. *Chase Brass & Copper Co.* Consent order of discontinuance without prejudice (notice Mar. 13, 1936). Same, filed Mar. 17, 1936, D. C., S. D. N. Y., Doc. E 82/263, *American Radiator Co.* v. *Chase Brass & Copper Co., Inc.*

1,863,785, F. S. Dickinson, Syringe; 1,998,982, same, Syringe barrel, filed Mar. 3, 1936, D. C., S. D. N. Y., Doc. E 82/225, *F. S. Dickinson et al.* v. *Empire State Thermometer Co., Inc.*

1,899,777, N. M. Stanley, Lens, filed Mar. 12, 1936, D. C., W. D. Pa., Doc. E 3187, *The Univis Corp. et al.* v. *Buhl Optical Co.*

1,913,681. (See 1,753,156.)

1,944,021, J. C. Walker, Treatment of wet oil, filed Mar. 11, 1936, D. C., E. D. Tex. (Tyler), Doc. E 966, *The Tretolite Co.* v. *D. J. McCallum et al.* (*McCallum & Forber*).

1,972,872, E. S. Cornell, Jr., Adapter, D. C., S. D. N. Y., Doc. E 82/163, *American Radiator Co.* v. *Chase Brass & Copper Co.* Consent order of discontinuance without prejudice (notice Mar. 13, 1936). Same, filed Mar. 17, 1936, D. C., S. D. N. Y., Doc. E 82/264, *American Radiator Co.* v. *Chase Brass & Copper Co., Inc.*

1,974,883, D. D. Swift, Manufacture of gold leaf carrier, filed Mar. 13, 1936, D. C. R. I., Doc. 531, *M. Swift & Sons, Inc.*, v. *W. H. Coe Mfg. Co.*

1,998,159, N. V. Johnson, et al., Hair drying apparatus; Dec. 93,358, Ordin & Ordin, same, filed Mar. 6, 1936, D. C., S. D. Calif. (Los Angeles), Doc. E 865–Y, *P. H. Ordin et al.* v. *Dermid Mfg. Co.*

1,998,982. (See 1,863,785.)

2,002,470, E. S. Cornell, Jr., Method of making elbow pipe fittings of integral tubular metal, D. C., S. D. N. Y., Doc. E 82/164, *American Radiator Co.* v. *Chase Brass & Copper Co.* Consent order of discontinuance without prejudice (notice Mar. 13, 1936). Same, filed Mar. 17, 1936, D. C., S. D. N. Y., Doc. E 82/265, *American Radiator Co.* v. *Chase Brass & Copper Co., Inc.*

2,003,561. (See 1,356,608.)

2,005,969, E. S. Cornell, Jr., Pipe fitting, D. C., S. D. N. Y., Doc. E 82/165, *American Radiator Co.* v. *Chase Brass & Copper Co.* Consent order of discontinuance without prejudice (notice Mar. 13, 1936). Same, filed Mar. 17, 1936, D. C., S. D. N. Y., Doc. E 82/266, *American Radiator Co.* v. *Chase Brass & Copper Co., Inc.*

2,017,597. (See Des. 96,672.)

2,017,820. (See 1,448,709.)

2,025,973, E. S. Cornell, Jr., Hollow wrought metal bodies and method of making same, D. C., S. D. N. Y., Doc. E 82/166, *American Radiator Co.* v. *Chase Brass & Copper Co.* Consent order of discontinuance without prejudice (notice Mar. 13, 1936). Same, filed Mar. 17, 1936, D. C., S. D. N. Y., Doc. E 82/267, *American Radiator Co.* v. *Chase Brass & Copper Co., Inc.*

Re. 17,560. (See 1,817,473.)

Re. 18,109. (See 1,753,156.)

Re. 19,710, Pollak & Ostersetzer, Condensation product and method of making same, filed Mar. 13, 1936, D. C., S. D. N. Y., Doc. E 82/257, *Catalin Corp.* v. *Bakelite Corp.*

Des. 93,358. (See 1,998,159.)

Des. 96,160, J. Chase, Combination brassière and pantie, filed Mar. 11, 1936, D. C., S. D. N. Y., Doc. E 82/244, *J. Chase* v. *Thomas & Marcus, Inc.*

Des. 96,501, Des. 96,999, Des. 97,742, S. Putman, Buckle, filed Feb. 29, 1936, D. C., S. D. N. Y., Doc. E 82/221, *S. Putman et al.* v. *J. P. Carmel.*

Des. 96,672, 2,017,597, J. A. Howenstine, Electric sign, D. C., S. D. Ohio, W. Div., Doc. E 964, *Neon Products, Inc.*, v. *The Lackner Co.* Dismissed without prejudice Mar. 9, 1936.

Des. 96,999. (See Des. 96,501.)

Des. 97,742. (See Des. 96,501.)

Disclaimers

T. M. 332,775.—*Howard W. Miller*, Pittsburgh, Pa. CONDIMENTS—VIZ., MAYONNAISE, MUSTARD, CHILI SAUCE, CATSUP, SALAD DRESSING, HORSE RADISH, PICKLES AND PICKLE RELISH; COFFEE, TEA, CEREAL BREAKFAST FOODS, SPICES, DOG FOOD, CAT FOOD, CANNED FRUITS AND VEGETABLES. Registered February 25, 1936. Disclaimer filed April 15, 1936, by the registrant.

Hereby disclaims the right to use said trade-mark on the following goods contained in his registration: Ceral breakfast foods, dog food, cat food.

1,684,653.—*Benedict B. Willett*, Dayton, Ohio. FOLDABLE TABLE. Patent dated September 18, 1928. Disclaimer filed April 23, 1936, by the assignee, *Ferguson Brothers Manufacturing Company*.

Hereby enters this disclaimer to claim 19 of the specification.

1,791,030.—*Lester L. Jones*, Oradell, N. J. RADIO RECEIVING SYSTEM. Patent dated February 3, 1931. Disclaimer filed April 29, 1936, by the assignee, *Radio Corporation of America*.

Hereby enters this disclaimer to that part of the specification which consists of claims 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, and 14.

1,894,636.—*Gordon Brown Scheibell*, Newark, N. J. OSCILLATION GENERATOR. Patent dated January 17, 1933. Disclaimer filed April 28, 1936, by the assignee, *Wired Radio, Inc.*

Hereby enters a disclaimer to claims 1, 2, 3, and 6 of said patent.

1,928,450.—*John J. Gaynor*, Delphi, Ind. CONTAINER CAPPING MACHINE. Patent dated September 26, 1933. Disclaimer filed April 29, 1936, by the assignee, *Horix Manufacturing Company* and *Mrs. John J. Gaynor*, owner of residual interest.

Hereby enters this disclaimer to claims 1 and 3 of the said Letters Patent.

1,982,689.—*Wladimir J. Polydoroff*, Chicago, Ill. MAGNETIC CORE MATERIAL. Patent dated December 4, 1934. Disclaimer filed April 28, 1936, by the assignee, *Johnson Laboratories, Incorporated*.

Hereby enters disclaimer of claims 1, 2, 3, 4, 74, 75, and 76 as follows:

(a) As to claim 1, except as substantially all of the particles of the magnetic material are capable of passing through a screen having 400 meshes to the inch, except as the compressed material has an apparent permeability of not less than 7 at a frequency of from 300 to 1400 kilocycles, and at a magnetic intensity between 0.01 and 10 gauss, and except as the compressed material has a resistivity of at least 10 ohms per centimeter cube.

(b) As to claim 2, except as substantially all of the particles of the magnetic material are capable of passing through a screen having 400 meshes to the inch, except as the compressed material has an apparent permeability of not less than 7 at a frequency of from 300–1400 kilocycles and at a magnetic intensity between 0.01 and 10 gauss, and except as the compressed material has a resistivity of at least 10 ohms per centimeter cube.

(c) As to claim 3, except as substantially all of the particles of the magnetic material are capable of passing through a screen having 400 meshes to the inch, except as the compressed material has an apparent permeability of not less than 7 at a frequency of from 300–1400 kilocycles and at a magnetic intensity between 0.01 and 10 gauss, and except as the compressed material has a resistivity of at least 10 ohms per centimeter cube.

(d) As to claim 4, except as substantially all of the particles of the magnetic material are capable of passing through a screen having 400 meshes to the inch, except as the compressed material has an apparent permeability of not less than 7 at a frequency of from 300 to 1400 kilocycles and at a magnetic intensity between 0.01 and 10 gauss, and except as the compressed material has a resistivity of at least 10 ohms per centimeter cube.

(e) As to claim 74, except as the compressed material has said apparent permeability of not less than 7 at a frequency of from 300 to 1400 kilocycles and at a magnetic intensity between 0.01 and 10 gauss.

(f) As to claim 75, except as substantially all of the particles of the magnetic material are capable of passing through a screen having 400 meshes to the inch, and except as the compressed material has said apparent permeability of not less than 7 at a frequency of from 300 to 1400 kilocycles, and at a magnetic intensity between 0.01 and 10 gauss.

(g) As to claim 76, except as substantially all of the particles of the magnetic material are capable of passing through a screen having 400 meshes to the inch, and except as the compressed material has said apparent permeability of not less than 7 at a frequency of from 300 to 1400 kilocycles, and at a magnetic intensity between 0.01 and 10 gauss.

1,985,617.—*Harry E. Morton*, Boston, Mass. DISTRIBUTOR HEAD. Patent dated December 25, 1934. Disclaimer filed April 30, 1936, by the assignee, *B. F. Sturtevant Company, Inc.*

Hereby enters this disclaimer to claims 2 and 11 in the specification.

1,991,109.—*Charles W. Eisele*, Detroit, Mich. METHOD OF FORMING REAR AXLE HOUSINGS. Patent dated February 12, 1935. Disclaimer filed April 25, 1936, by the assignee, *Chrysler Corporation*.

Hereby enters this disclaimer to claims 18, 19, 20, 21, 22, 23, and 24 of the specification.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 19, 1936

[VOL. 466. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 375,080. THE B. F. GOODRICH COMPANY, Akron, Ohio. Filed Feb. 21, 1936.

KOROSEAL

For Plasticized Polymerized Vinyl Chlorides.
Claims use since June 1, 1934.

Ser. No. 375,083. THE B. F. GOODRICH COMPANY, Akron, Ohio. Filed Feb. 21, 1936.

KOROGEL

For Gelled Solution of Polymerized Vinyl Chloride.
Claims use since July 10, 1935.

Ser. No. 375,820. VERMONT MARBLE COMPANY, Proctor, Vt. Filed Mar. 10, 1936.

JETMAR

For Processed Black Marble.
Claims use since Oct. 31, 1935.

Ser. No. 375,994. A. C. LAWRENCE LEATHER COMPANY, Peabody, Mass. Filed Mar. 14, 1936.

SHELTERSUEDE

The word "Suede" is disclaimed apart from the mark shown.
For Leather.
Claims use since Jan. 20, 1936.

CLASS 2

Receptacles

Ser. No. 365,182. WHEELING CORRUGATING COMPANY, Wheeling, W. Va. Filed May 20, 1935.

DURA-ZINC-ALLOY

No claim is made to the words "Zinc-Alloy" per se.
For Garbage, Ash, Waste, Radiator Filling, Tractor Filling, Oil, Gasoline, and Sprinkling Cans; Scrub Tubs; Buckets; Pails; Flower and Fancy Boxes; General Utility, Wire, Waste, and Highboy Baskets; Coal Hods; and Watering Pots.
Claims use since Apr. 19, 1935.

Ser. No. 365,184. WHEELING CORRUGATING COMPANY, Wheeling, W. Va. Filed May 20, 1935.

DURA-ZINC

No claim is made to the word "Zinc" per se.
For Garbage, Ash, Waste, Radiator Filling, Tractor Filling, Oil, Gasoline, and Sprinkling Cans; Scrub Tubs; Buckets; Pails; Flower and Fancy Boxes; General Utility, Wire, Waste, and Highboy Baskets; Coal Hods; and Watering Pots.
Claims use since Apr. 19, 1935.

Ser. No. 376,394. ONEIDA PAPER PRODUCTS, INC., New York, N. Y. Filed Mar. 25, 1936.

FUL-LOK

For Paper Bags.
Claims use since Feb. 29, 1936.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 375,890. KORET, INC., New York, N. Y. Filed Mar. 12, 1936.



The name "Koret" is disclaimed apart from the mark.
The drawing is lined for silver.
For Ladies' Purses, Pocketbooks, and Hand Bags.
Claims use since Oct. 10, 1935.

Ser. No. 376,064. N. PORTER SADDLE AND HARNESS COMPANY, Phoenix, Ariz. Filed Mar. 16, 1936.

GENUINE—
Port Parker
TRADE MARK

The words "Genuine" and "Trade Mark" are disclaimed as a part of the mark.
For Saddles, Saddle-Trees, and Saddle-Tree Horns.
Claims use since Feb. 28, 1936.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 372,173. G. C. HANFORD MFG. CO., doing business as G. C. Hanford Mfg. Co. Ltd., Syracuse, N. Y. Filed Dec. 2, 1935.

SHOE-TEX

The word "Shoe" is disclaimed apart from the word "Tex".
For Dressing for Shoes, Gloves, and Belts of Leather or Fabric, and the Like.
Claims use since Sept. 2, 1935.

Ser. No. 372,894. RIECK & JOHNSTON, Tyler, Tex. Filed Dec. 20, 1935.

CLENZ 2 GLEEM

The expression "Clenz" is disclaimed apart from the composite mark shown.
For General Cleaning Preparation for Windows, Glassware, China, Marble, Porcelain, Jewelry, Silverware, Plumbing, Fixtures, Linoleum, and Automobiles.
Claims use since July 12, 1935.

Ser. No. 376,476. KNOMARK MANUFACTURING CO. INC., Brooklyn, N. Y. Filed Mar. 27, 1936.

SPICK

For Shoe Cleaner.
Claims use since Mar. 17, 1925.

CLASS 5

Adhesives

Ser. No. 374,882. DUTCH AIREX CORPORATION OF AMERICA, LTD., Akron, Ohio. Filed Feb. 15, 1936.

AIREX

For Cans Containing Puncture-Sealing Compound for Pneumatic Tires.
Claims use since Nov. 1, 1935.

Ser. No. 375,942. I. F. LAUCKS, INC., Seattle, Wash. Filed Mar. 13, 1936.

PARA MOUNT

For Glue.
Claims use since Feb. 28, 1936.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 358,297. OTTO REICHEL, Berlin-Neukolln, Germany. Filed Nov. 16, 1934.

LICHT LIGHT COEUR HERZ HEART LUMIÈRE
LUZ Y CORAZON
LUME E CUORE

For Perfumes; Ethereal and Essential Oils; Aromatic Vinegars, Cosmetic Preparations—Namely, Skin Lotions and Powder, Lipsticks, Compacts, Finger Nail Paints and Enamels and Removers, Cuticle Removers, Eyebrow Pencils, Skin Creams; and Essences and Extracts Used as Additions to Foods, Beverages, Tonics, and Medicinal Preparations.
Claims use since Dec. 1, 1933.

Ser. No. 359,411. MAX VINCENT STATON, Warren, Ohio. Filed Dec. 17, 1934.

PYRO EAZ

For Dentifrice in Powder Form.
Claims use since June 1, 1932.

Ser. No. 366,648. EMIL F. STOLBA, doing business as Stolbazone Salve Company, Pasadena, Calif. Filed June 25, 1935.

For Man or Beast
Stolbazone
SALVE

The words "For Man or Beast" and "Salve" are disclaimed apart from the mark.
For External Medicine for Relief of Lumbago, Sore Chest, Lame Back, and Bruises.
Claims use since Nov. 3, 1914.

Ser. No. 368,079. PLOUGH, INC., doing business as Ash-Mo Manufacturing Company, Memphis, Tenn. Filed Aug. 7, 1935.

BIG-ASH

For Line of Toilet and Medicinal Preparations—Namely, Petroleum Jelly.
Claims use since Sept. 1, 1928.

Ser. No. 372,323. HARLEY SOAP COMPANY, Philadelphia, Pa. Filed Dec. 6, 1935.

D'ORIEN

For Shampoo, Shampoo Base, and Oil Shampoo.
Claims use since Jan. 1, 1933.

Ser. No. 373,213. V. A. GRANT, doing business as Von Buron Laboratories, Independence, Iowa. Filed Dec. 31, 1935.

CHICK-O

For Medicinal Preparations for the Treatment of General Respiratory and Intestinal Diseases.
Claims use since Dec. 20, 1935.

Ser. No. 374,140. MICHAEL J. HOLLAND, doing business as Holland Specialty Company, Peoria, Ill. Filed Jan. 27, 1936.

TAXI (HOLLAND)



For Liquid Cleansing Preparation for Use by Dentists, and Used in Removing Green, Black, Vegetable, and Nicotine Stains from the Teeth.
Claims use since 1915.

Ser. No. 374,543. GEORGE MITCHELL CALAS, doing business as The Calas Laboratories, Oak Park, Chicago, Ill. Filed Feb. 6, 1936.

PLUCK

For Preparation for Removing Hair from the Eyebrows and Face.
Claims use since Oct. 2, 1935.

Ser. No. 374,660. GOLDEN GLINT COMPANY, INC., Seattle, Wash. Filed Feb. 10, 1936.



The design is fanciful.
For Shampoo Preparation.
Claims use since Feb. 7, 1935.

Ser. No. 374,827. THE GIRDLER CORPORATION, Louisville, Ky. Filed Feb. 14, 1936.

DAPOL

For Amino Compounds Comprising or Including 1,3-Diaminopropanol-2.
Claims use since June 27, 1934.

Ser. No. 374,828. THE GIRDLER CORPORATION, Louisville, Ky. Filed Feb. 14, 1936.

METHICOL

For Amino Compounds Comprising or Including 3-Dimenthylamino-Propanediol-1,2.
Claims use since Aug. 24, 1934.

Ser. No. 375,047. GLENS FALLS PHARMACAL COMPANY, INC., Glens Falls, N. Y. Filed Feb. 20, 1936.

VOROL

For Analgesic Balm.
Claims use since Jan. 30, 1936.

Ser. No. 375,205. FLORAN LABORATORIES, INC., New York, N. Y. Filed Feb. 25, 1936.

FERROGLOBIN

For Reconstructive Tonic and Stimulant Indicated in Hypochronic Anemia, Chlorosis and Malnutrition.
Claims use since Feb. 15, 1935.

Ser. No. 375,341. CHARLES R. O'MALLEY, Glencoe, Ill. Filed Feb. 28, 1936.

AVALON

For Medicinal Preparations in Tablet, Liquid, and Powder Form for Period Pains, Headache, Cold, Neuralgia.
Claims use since Feb. 10, 1935.

Ser. No. 375,365. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Feb. 28, 1936.

IOCAPRAL

For Preparation for the Treatment of Cardial and Vascular Disturbances of Spasmodic Character.
Claims use since Feb. 10, 1936.

Ser. No. 375,688. JOHN H. BRUNINGS, doing business as Universal Laboratories, San Francisco, Calif. Filed Mar. 7, 1936.

IREX Rx

The prescription mark "℞" is disclaimed apart from the mark.
For Preparation for Treatment of the Eyes.
Claims use since Dec. 18, 1935.

Ser. No. 375,759. GAMLEN CHEMICAL CO., San Francisco, Calif. Filed Mar. 9, 1936.

GAMLENITE

For Preparation for Removing Deposits from and for Preserving Metals.
Claims use since July 14, 1933.

Ser. No. 375,777. GASTON REAUBOURG, Paris, France. Filed Mar. 9, 1936.

PASSIFLORINE du Docteur REAUBOURG

For Liquid Product Used for the Treatment of Nervous Affections and Diseases and for Insomnia.
Claims use since July 5, 1935.

Ser. No. 375,793. DE MERIDOR COMPANY, Newburgh, N. Y. Filed Mar. 10, 1936.

SAMURAI

For Perfumery Extracts, Toilet Waters, Sachets, Colognes, Cold Creams, Nail Bleaches, Nail Stains, Talcum Powders, Face Powders, Incense, and Tooth Powders.
Claims use since January, 1907.

Ser. No. 375,802. HOUBIGANT, INC., New York, N. Y. Filed Mar. 10, 1936.



The trade-mark comprises the design of a white flower with green leaves on a dark background.
For Perfumes and Face Powder.
Claims use since Mar. 1, 1936.

Ser. No. 375,821. THE WARREN-TEED PRODUCTS COMPANY, Columbus, Ohio. Filed Mar. 10, 1936.

K-O-MUL

For Emulsified Preparation Containing Mineral Oil and Recommended for Use as an Eliminant and General Laxative.
Claims use since January, 1934.

Ser. No. 375,930. AARON CHAITKIN, doing business as Bidwell Wholesale Grocery Co., Pittsburgh, Pa. Filed Mar. 13, 1936.

PRE-T-SOFT

The word "Soft" is disclaimed apart from the mark.
For Water Softener.
Claims use since Nov. 15, 1935.

Ser. No. 375,950. RÖHM & HAAS COMPANY, Philadelphia, Pa. Filed Mar. 13, 1936.

HYDRHOPLEX

For Aqueous Resin Emulsion for Producing Permanent Finishes on Textiles and Other Fibrous Materials.
Claims use since May 27, 1935.

Ser. No. 375,951. RÖHM & HAAS COMPANY, Philadelphia, Pa. Filed Mar. 13, 1936.

RHOFLAX

For Coating Material for Producing Permanent Finishes on Textiles and Other Fibrous Materials.
Claims use since May 3, 1935.

Ser. No. 375,952. RÖHM & HAAS COMPANY, Philadelphia, Pa. Filed Mar. 13, 1936.

RHONITE

For Powdered Synthetic Resins and Solutions Thereof for Producing Special Finishes on Textiles, Fibers, and Fibrous Materials.
Claims use since Apr. 12, 1935.

Ser. No. 375,953. RÖHM & HAAS COMPANY, Philadelphia, Pa. Filed Mar. 13, 1936.

RHOPLEX

For Resin Solution for Producing Permanent Finishes on Textiles and Other Fibrous Materials.
Claims use since Apr. 11, 1935.

Ser. No. 375,982. BUTLER BROTHERS, doing business as Sentinel Laboratories, Chicago, Ill. Filed Mar. 14, 1936.

SENTINEL

For Insecticides, Insect Repellents, and Room and Toilet Bowl Deodorants.
Claims use since Feb. 6, 1936.

Ser. No. 376,038. MARY EMMA EICHELBERGER, doing business as Blue & White Company, Harrisburg, Pa. Filed Mar. 16, 1936.

B W

"B and W"

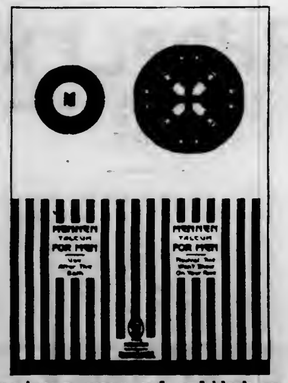
For Preparation for the Treatment of Athlete's Foot, Burns, Bruises, Skin Diseases, Neuritis, Arthritis, Rheumatism, Muscular Pains, Burning, Aching, and Swelling Feet, Insect Bites, and Poison Ivy.
Claims use since July, 1934.

Ser. No. 376,086. HALB PRODUCTS, INC., Cleveland, Ohio. Filed Mar. 17, 1936.

Softee

For Skin Cream in Stick Form.
Claims use since Oct. 9, 1935.

Ser. No. 376,096. THE MENNEN COMPANY, Newark, N. J. Filed Mar. 17, 1936.



The colors brown, cream, red, and black are claimed as features of the mark. No claim is made to the representation of the can per se. All words except "Mennen" and "The Mennen Company" are disclaimed apart from the mark. The portrait is that of Gerhard Mennen, deceased, founder of applicant's business.

For Talcum Powder.

Claims use since Mar. 13, 1922.

Ser. No. 376,184. ABBOTT LABORATORIES, North Chicago, Ill. Filed Mar. 20, 1936.

BISMO-LAURYN

For Pharmaceutical Preparation for Hypodermic Use, Valuable for the Treatment of Blood Diseases Such as Syphilis.

Claims use since Oct. 25, 1935.

Ser. No. 376,239. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Mar. 21, 1936.



For Borated Baby Powder.

Claims use since January, 1936.

Ser. No. 376,337. CU-SOL PRODUCTS CORPORATION, New York, N. Y. Filed Mar. 24, 1936.

Cusol

For Preparation for the Treatment of Skin Irritation.

Claims use since Mar. 14, 1936.

Ser. No. 376,363. HYNSON, WESTCOTT & DUNNING, INCORPORATED, Baltimore, Md. Filed Mar. 25, 1936.

MERCUROCROMO

For Antiseptics, Germicides, and Bactericides.

Claims use since January, 1926.

Ser. No. 376,418. VIMAY-CHANY, INC., doing business as Prince de Chany, Inc., Culver City, Calif. Filed Mar. 25, 1936.

Mystery Gardenia

For Face Powder and Perfumes.

Claims use since Feb. 11, 1935.

Ser. No. 376,471. PASQUALE GERVASI, doing business as Restal Company, Newark, N. J. Filed Mar. 27, 1936.



The drawing is lined for red and green.

For Preparation for Nervous Disorders, Headache, Neuralgia, and Minor Aches and Pains.

Claims use since Feb. 15, 1936.

Ser. No. 376,514. JOHN WYETH & BROTHER, INCORPORATED, Philadelphia, Pa. Filed Mar. 27, 1936.

ETHOBRAL

For Sedatives.

Claims use since Mar. 19, 1936.

Ser. No. 376,526. CHLOREZ COMPANY, St. Louis, Mo. Filed Mar. 28, 1936.

DRI-CHLOREZ

For Chemical to be Used as a Bleach, Disinfectant, Germicide, and Deodorant.

Claims use since Feb. 26, 1936.

Ser. No. 376,593. KALOR MANUFACTURING COMPANY, St. Louis, Mo. Filed Mar. 30, 1936.

KALOTION

For Solutions Containing Chemical Ingredients and Used in Permanent Waving of the Human Hair.

Claims use since Feb. 1, 1936.

CLASS 7

Cordage

Ser. No. 377,048. HAZARD WIRE ROPE COMPANY, New York, N. Y. Filed Apr. 10, 1936.

PIONEER

For Wire Rope and Wire Strand.

Claims use since Apr. 1, 1936.

CLASS 10

Fertilizers

Ser. No. 369,910. COOPERATIVE G. L. F. MILLS, INC., Buffalo and Ithaca, N. Y. Filed Oct. 2, 1935.



The word "Phosphate" is disclaimed except in association with the word "Gran" as shown.

For Fertilizers.

Claims use since May 15, 1935.

Ser. No. 375,833. ARMOUR FERTILIZER WORKS, Atlanta, Ga. Filed Mar. 11, 1936.

OLD BLACK JOE

For Fertilizer.

Claims use since Mar. 29, 1927.

CLASS 12

Construction Materials

Ser. No. 356,813. M AND M WOOD WORKING COMPANY, Portland, Oreg. Filed Oct. 5, 1934.

KRAFTWOOD

For Laminated Material Having One or More Laminations of Wood and Used for Box Making and in Building Construction Work.

Claims use since Feb. 7, 1933.

Ser. No. 373,542. WILLIAM E. SMITH, doing business as The Celicote Company, Cleveland, Ohio. Filed Jan. 10, 1936.

COMPO-BOND

The word "Bond" is disclaimed apart from the mark as shown.

For Liquid and Dry Mortar Used in the Manufacture of Acid Resistant Cement and Mortar.

Claims use since Oct. 10, 1935.

Ser. No. 375,549. KEYSTONE LUBRICATING COMPANY, Philadelphia, Pa. Filed Mar. 4, 1936.

VIKE



For Graphite Plastic Sealing Compound for Use in Connection with Pipe Joints, Gasket Joints, Screw Threads, Steam Lines, Oil Lines, Acid Lines, and Air Lines.

Claims use since July 18, 1934.

CLASS 15

Oils and Greases

Ser. No. 355,958. JACOB I. BARRON, doing business as J. I. Barron Oil Company, Clarinda, Iowa. Filed Sept. 12, 1934.



The numeral "76" is disclaimed apart from other features of the mark shown.

For Gasoline, Motor Fuel Oils, Lubricating Oils, Furnace Oils, Illuminating Oils, and Lubricating Grease.

Claims use since Apr. 8, 1934.

Ser. No. 376,328. BAYOU STATE OIL CORPORATION, Shreveport, La. Filed Mar. 24, 1936.

Bio-lube

For Motor Lubricating Oils and Greases, Diesel Fuel Oils, and Gasoline.

Claims use since Jan. 15, 1936.

Ser. No. 376,420. WILL & BAUMER CANDLE CO., INC., Syracuse, N. Y. Filed Mar. 25, 1936.

RAINBOW

For Candles.

Claims use since Mar. 1, 1936.

CLASS 16

Paints and Painters' Materials

Ser. No. 375,524. MORRIS TEPLITSKY, doing business as Finecraft Paint Products, Philadelphia, Pa. Filed Mar. 3, 1936.

FINECRAFT

For Inside and Outside Ready Mixed Paints, Paint Enamels, Varnishes, Varnish Stains, Stains, Prepared Shellacs, Thinners, Ready Mixed Inside and Outside Flat Paint, Paint Remover, and Furniture and Auto Polish.
Claims use since Feb. 17, 1936.

Ser. No. 376,850. I. F. LAUCKS, INC., Seattle, Wash. Filed Apr. 6, 1936.

REZICOTE

For Cold Water Paints.
Claims use since Feb. 25, 1936.

Ser. No. 376,920. REYNOLDS CORPORATION, New York, N. Y. Filed Apr. 7, 1936.

"HOME WITH THE SILVER LINING"

For Aluminum Paint.
Claims use since Mar. 5, 1936.

CLASS 20

Linoleum and Oiled Cloth

Ser. No. 372,214. SANDURA COMPANY, INC., East Walpole, Mass., and Philadelphia, Pa. Filed Dec. 3, 1935.

SANATRED

For Composition Floor Coverings—Namely, Rugs, Mats, and Yard Goods by the Roll.
Claims use since Nov. 6, 1935.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 376,193. THE CORCORAN-BROWN LAMP COMPANY, Cincinnati, Ohio. Filed Mar. 20, 1936.

RITEWAY

For Automobile Lamps and Lighting Systems for Vehicles.
Claims use since Apr. 15, 1935.

Ser. No. 376,252. THE TORRINGTON MANUFACTURING COMPANY, Torrington, Conn. Filed Mar. 21, 1936.

AIRISTOCRAT

For Electric Fans, Particularly Impeller Type Fans for Free-Air as Well as Pressure Uses.
Claims use since Mar. 16, 1936.

Ser. No. 376,589. INDIANA STEEL & WIRE COMPANY, Muncie, Ind. Filed Mar. 30, 1936.



For Iron and Steel Wire for Use in Overhead Transmission Lines.
Claims use since Feb. 7, 1936.

Ser. No. 376,590. INDIANA STEEL & WIRE COMPANY, Muncie, Ind. Filed Mar. 30, 1936.



For Iron and Steel Wire for Use in Overhead Transmission Lines.
Claims use since Mar. 14, 1936.

Ser. No. 376,756. GENERAL CABLE CORPORATION, New York, N. Y. Filed Apr. 3, 1936.

GUARDIAN

For Bare and Insulated Electrical Wires and Cables.
Claims use since Feb. 10, 1936.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 376,548. O. SCHOENHUT INC., Philadelphia, Pa. Filed Mar. 28, 1936.

4
5
6
PICK UP STICKS

For Board Game Played with Movable Pieces.
Claims use since Mar. 9, 1936.

Ser. No. 376,637. WILLIAM T. MACCREADIE, Lewisburg, Pa. Filed Mar. 31, 1936.

TAKE-YOUR-PROFIT

For Board Game Played with Movable Pieces.
Claims use since Feb. 21, 1936.

Ser. No. 377,070. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y. Filed Apr. 10, 1936.

FORTUNE

For Golf Balls.
Claims use since Mar. 14, 1935.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 375,321. CONSOLIDATED RAZOR BLADE CO. INC., Jersey City, N. J. Filed Feb. 28, 1936.

Drury Lane

For Razor Blades.
Claims use since Jan. 17, 1936.

Ser. No. 376,558. WILLCOX & GIBBS SEWING MACHINE CO., New York, N. Y. Filed Mar. 28, 1936.

SUPERLOCK

For Sewing Machines.
Claims use since Feb. 27, 1936.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 363,030. BAILEY METER COMPANY, Cleveland, Ohio. Filed Mar. 27, 1935.



The word "Meter", the representation of the chart with all indicia thereon excepting the word "Bailey" are disclaimed apart from the mark shown.

For Measuring, Controlling, and Regulating Instruments, Systems, and Apparatus, Including Among Others, Recorders and Indicators of Fluid Flow and Conditions Pertinent to Fluids Such as Level, Temperature, Pressure, etc., Remote Recording, Indicating, Integrating, Telemetering and the Like Instruments, Systems and Apparatus—Such Comprehensive Instruments, Systems and Apparatus Being Used in the Operation of Non-Electric Power-Producing and Utilizing Installations.

Claims use since Feb. 2, 1933, on control and regulating systems; since June 5, 1933, on recorders and indicators of fluid flow and conditions pertinent to fluids, such as level, temperature, pressure, etc., remote recording, indicating, integrating, and telemetering.

Ser. No. 376,694. SELSI COMPANY, INC., New York, N. Y. Filed Apr. 1, 1936.

HYPHOS

For Binoculars.
Claims use since 1912.

Ser. No. 376,695. SELSI COMPANY, INC., New York, N. Y. Filed Apr. 1, 1936.

MEGAPHOS

For Binoculars.
Claims use since 1908.

Ser. No. 376,696. SELSI COMPANY, INC., New York, N. Y. Filed Apr. 1, 1936.

STEREOPHOS

For Binoculars.
Claims use since 1910.

Ser. No. 376,746. AGFA ANSCO CORPORATION, Binghamton, N. Y. Filed Apr. 3, 1936.

PANFRA

For Sensitized Photographic Film.
Claims use since Mar. 14, 1936.

CLASS 27

Horological Instruments

Ser. No. 375,939. THE GRUEN WATCH COMPANY, Cincinnati, Ohio. Filed Mar. 13, 1936.

STREEMCURV

For Watch Cases, Watches, and Watch Movements.
Claims use since Jan. 20, 1936.

CLASS 30

Crockery, Earthenware, and Porcelain

Ser. No. 368,343. ONONDAGA POTTERY COMPANY, Syracuse, N. Y. Filed Aug. 15, 1935.



The word "Shelledge" is disclaimed apart from the mark as shown.
For China and Porcelain Table Ware, Both Domestic and Commercial.
Claims use since July 23, 1935.

CLASS 31

Filters and Refrigerators

Ser. No. 370,109. LIGONIER REFRIGERATOR COMPANY, St. Louis, Mo. Filed Oct. 7, 1935.

LIG-O-NIER

For Refrigerators and Refrigerating Units for the Preservation of Foodstuffs.
Claims use since Jan. 29, 1916.

Ser. No. 376,563. THE ALASKA FREEZER CO., INC., Winchendon, Mass. Filed Mar. 30, 1936.

TRIPLE-VAC

For Ice-Cream Freezers.
Claims use since Dec. 11, 1935.

CLASS 32

Furniture and Upholstery

Ser. No. 375,330. HUTTIG SASH & DOOR COMPANY, St. Louis, Mo. Filed Feb. 28, 1936.

SATIN BLEND *Airflo*

The drawing is lined for red. All wording except "Airflo" and "Satin" is disclaimed apart from the mark.
For Venetian Blinds and Hardware Therefor Sold as a Unit.
Claims use since Oct. 14, 1935.

Ser. No. 376,692. PEOPLE'S OUTFITTING COMPANY, Detroit, Mich. Filed Apr. 1, 1936.

Discovery

For Mattresses, Bed Springs, Box Springs, Studio Lounges, and Upholstered Furniture, Consisting of Living Room Suites, and Upholstered Chairs.
Claims use since Mar. 3, 1936.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 374,356. CENTURY ELECTRIC COMPANY, St. Louis, Mo. Filed Feb. 1, 1936.

Zephair

For Electric Ventilating Fans.
Claims use since Dec. 21, 1935.

Ser. No. 374,782. CELLULOID CORPORATION, Newark, N. J. Filed Feb. 13, 1936.

CHARMOUR

For Lamp Shades.
Claims use since Feb. 7, 1936.

7

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 375,878. DUNLOP RUBBER COMPANY, LIMITED, Erdington, Birmingham, England. Filed Mar. 12, 1936.



For Rubber Tires.
Claims use since December, 1934.

Ser. No. 376,299. CHAS. NIEDNER'S SONS COMPANY, Malden, Mass. Filed Mar. 23, 1936.

LIN-COT

For Woven Fire Hose.
Claims use since Mar. 2, 1936.

Ser. No. 376,584. HEWITT RUBBER CORPORATION, Buffalo, N. Y. Filed Mar. 30, 1936.

TwinWeld

For Hose Made of Rubber or Rubber and Fabric.
Claims use since Mar. 1, 1936.

Ser. No. 376,671. THE B. F. GOODRICH COMPANY, New York, N. Y. Filed Apr. 1, 1936.

Cavalier

For Rubber Vehicle Tires and Inner Tubes Therefor.
Claims use since Sept. 28, 1928.

Ser. No. 376,672. THE B. F. GOODRICH COMPANY, New York, N. Y. Filed Apr. 1, 1936.



For Rubber Vehicle Tires and Inner Tubes Therefor.
Claims use since Sept. 28, 1928.

CLASS 36

Musical Instruments and Supplies

Ser. No. 360,108. ROYAL STANDARD ACCORDION CO., ZULEGER & MAYENBURG, Brunndöbra, Germany. Filed Jan. 10, 1935.

Royal Standard.

For Accordions, Mouth-Organs, Bandonions, Concertinas, Blow-Accordions, Wooden and Metal Flageolets, Ocarinas, Chord-Zithers, Mandolins, Violins, Zithers, Guitars, Pianos, and Strings for the Foregoing Stringed Instruments, Harmoniums, Drums, Violincellos, Brass-Flutes, Street-Organs, and Basses of Wind Instruments.
Claims use since May 4, 1896.

Ser. No. 376,185. AEOLIAN AMERICAN CORPORATION, New York, N. Y. Filed Mar. 20, 1936.

Mignonette

For Pianos.
Claims use since December, 1906.

Ser. No. 376,287. AARON LEVINSON, Los Angeles, Calif., assignor to Radioaids Inc., Los Angeles, Calif. Filed Mar. 23, 1936.

Radioaids

For Radio Transcription Records for Phonographic Reproduction.
Claims use since Feb. 3, 1936.

CLASS 37

Paper and Stationery

Ser. No. 374,007. S. H. KRESS AND COMPANY, New York, N. Y. Filed Jan. 23, 1936.



For Toilet Paper, Paper Towels, Paper Napkins, Tissue Paper, Paper Handkerchiefs, and Cleansing Tissues.
Claims use since November, 1935.

CLASS 38

Prints and Publications

Ser. No. 372,259. ROBERT VAN SICKLER, Washington, D. C. Filed Dec. 4, 1935.

POPPA GANDER



For Periodical Publication of Verses, Articles, and Sketches.
Claims use since Oct. 15, 1935.

Ser. No. 375,425. CORNELIUS PUBLICATIONS, INC., Indianapolis, Ind. Filed Mar. 2, 1936.



For Periodical Published at Regular Intervals.
Claims use since Nov. 1, 1933.

Ser. No. 375,745. THE ATLANTA JOURNAL COMPANY, Atlanta, Ga. Filed Mar. 9, 1936.

The Journal Covers Dixie Like the Dew

For Newspapers.
Claims use since Apr. 6, 1906.

Ser. No. 376,081. THE BUREAU OF NATIONAL AFFAIRS, INCORPORATED, Washington, D. C. Filed Mar. 17, 1936.

LAWYERS WEEKLY DIGEST

For Periodical Publications.
Claims use since Mar. 6, 1936.

Ser. No. 376,143. RETAIL CLERKS INTERNATIONAL PROTECTIVE ASSOCIATION, LaFayette, Ind. Filed Mar. 18, 1936.

The RETAIL CLERKS INTERNATIONAL ADVOCATE

For Periodical at Present Issued Bimonthly.
Claims use since 1893.

Ser. No. 376,270. WILLIAM B. EERDMANS, doing business as William B. Eerdmans Publishing Company, Grand Rapids, Mich. Filed Mar. 23, 1936.

RELIGIOUS DIGEST

For Religious Periodical Magazine.
Claims use since Sept. 18, 1935.

CLASS 39

Clothing

Ser. No. 362,828. THE KELLER-KOHN CO. INC., Cleveland, Ohio. Filed Mar. 21, 1935.

Little Lady

For Women's Clothing—Namely, Coats, Suits, Dresses, Skirts, Coat Dresses, and Jackets.
Claims use since 1919.

Ser. No. 368,682. CARMO SHOE MANUFACTURING CO., Carthage, Mo. Filed Aug. 26, 1935.

MELOFLEX

For Shoes Made of Leather, Fabric, and/or Combinations Thereof.
Claims use since Feb. 15, 1935.

Ser. No. 370,917. STYLE GARMENT COMPANY, INC., Los Angeles, Calif. Filed Oct. 28, 1935.



The drawing is lined for black and red.
For Ladies' Cloaks, Coats, and Suits.
Claims use since July 1, 1935.

Ser. No. 372,218. SPATZ BROTHERS, New York, N. Y. Filed Dec. 3, 1935.



For Raincoats.
Claims use since Sept. 1, 1935.

Ser. No. 374,334. INTERNATIONAL LATEX CORPORATION, Rochester, N. Y. Filed Jan. 31, 1936.



Trade-mark consists of a stripe arbitrarily disposed spirally about a rolled up bathing cap, a pair of latex pants, and of a color which contrasts with the material of the bathing cap or of the wrapping material around the cap, no claim being made to a particular color or to the representation of the package.
For Bathing Caps, Latex Pants for Babies, and Latex Swim Pants.
Claims use since Jan. 10, 1936.

Ser. No. 374,580. BÜSING & CO. G. M. B. H., Reutlingen, Wurtemberg, Germany. Filed Feb. 7, 1936.

Ribbolastic

For Hosiery, Underwear—Namely, Shirts, Chemises, Camisoles, Pajamas, Shorts, Slips, Panties, Bloomers, Brassières, Petticoats, Union Suits; Dresses for Women and Children, Sweaters, Vests, Bathing and Swimming Suits, Sun and Beach Suits.
Claims use since 1931.

Ser. No. 374,622. KLABER BROS., New York, N. Y. Filed Feb. 8, 1936.

TRU-VALUE DRESS SHOP

The words "Dress Shop" are disclaimed apart from the mark as shown.
For Women's and Misses' Dresses and Coats.
Claims use since Jan. 10, 1931.

Ser. No. 374,647. B. KATZENSTEIN & BRO., Baltimore, Md. Filed Jan. 11, 1936.

Alpallama

For Men's Clothing—Namely, Men's Overcoats and Topcoats.
Claims use since May 1, 1932.

Ser. No. 374,752. JULIUS KAYSER & CO., New York, N. Y. Filed Feb. 12, 1936.

KAYSUEDE

For Fabric Gloves.
Claims use since Jan. 2, 1936.

Ser. No. 374,753. JULIUS KAYSER & CO., New York, N. Y. Filed Feb. 12, 1936.

Supersuede

For Fabric Gloves.
Claims use since Jan. 2, 1936.

Ser. No. 374,783. HENRY COHN, doing business as Henry Cohn & Company, Baltimore, Md. Filed Feb. 13, 1936.



The portrait is fanciful. The words "Tie of Distinction" are disclaimed apart from the mark as shown.
For Men's Ties.
Claims use since Jan. 10, 1935.

Ser. No. 375,187. WEYMAN BROTHERS, Los Angeles, Calif. Filed Feb. 24, 1936.

Santa Anita Park

For Women's Hats.
Claims use since Oct. 20, 1935.

Ser. No. 375,295. GLUVTEX MFG. CORP., New York, N. Y. Filed Feb. 27, 1936.

"INDIES"

For Ladies' and Misses' Sportswear—Namely, Pants, Commonly Known as Slacks, Halters, and Shirts.
Claims use since Dec. 23, 1935.

Ser. No. 375,431. R. H. FYFE & Co., Detroit, Mich. Filed Mar. 2, 1936. Under 10-year proviso.

FYFES

For Men's, Women's, and Children's Boots, Shoes and Slippers Made of Leather, Fabric, Rubber, and Combinations of Said Materials.
Claims use since January, 1875.

Ser. No. 375,497. JOHN DAVID, New York, N. Y. Filed Mar. 3, 1936.

Velva-Kasha

For Men's Suits, Trousers, Coats, Vests, and Overcoats.
Claims use since Feb. 10, 1936.

Ser. No. 375,515. S. MAKRANSKY & SONS, Philadelphia, Pa. Filed Mar. 3, 1936.



The term "Heather Kelt" is disclaimed apart from the mark.
For Suits, Coats, Vests, Pants, Overcoats, and Topcoats for Men.
Claims use since January, 1936.

Ser. No. 375,559. LOU I. SNYDER, doing business as The Marathon Underwear Company, Baltimore, Md. Filed Mar. 4, 1936.



The words "Best in the Long Run" are disclaimed apart from the mark.
For Sports Outerwear—Namely, Polo Shirts, and Men's Underwear—Namely, Woven or Knit Cloth Unionsuits, Shirts, and Shorts.
Claims use since Nov. 14, 1935.

Ser. No. 375,598. E. P. REED & Co., Rochester, N. Y. Filed Mar. 5, 1936.



The expression "Soft as a Kitten's Ear" is disclaimed apart from the mark.
For Shoes Made of Leather or Fabric or of Combinations of Leather and Fabric.
Claims use since Feb. 21, 1936.

Ser. No. 375,617. SEYMOUR TROY, INC., New York, N. Y. Filed Mar. 7, 1936.

PHOTOE

For Ladies' Shoes Made of Leather, Fabric, and Combinations of These Materials.
Claims use since Nov. 1, 1935.

Ser. No. 375,644. JULIUS KAYSER & Co., New York, N. Y. Filed Mar. 6, 1936.

MARVEL TWIST

The word "Twist" is disclaimed apart from the mark as shown.
For Hosiery.
Claims use since Feb. 17, 1936.

Ser. No. 375,659. THE PATRICIA PETTICOAT CO., INC., New York, N. Y. Filed Mar. 6, 1936.

BRA-SEE

The word "Bra" is disclaimed apart from the mark shown.
For Ladies' Underwear Slips.
Claims use since Feb. 15, 1936.

Ser. No. 375,705. HONOR MAID NEGLIGEE CO., INC., New York, N. Y. Filed Mar. 7, 1936.

Twin-Use

For Ladies' and Misses' Negligees, Pajamas, Nightgowns, Chemises, Costume Slips, Panties, Brassières, and Bloomers.
Claims use since January, 1936.

Ser. No. 375,873. BROWN SHOE COMPANY, INC., St. Louis, Mo. Filed Mar. 12, 1936.



For Men's, Women's, and Children's Shoes of Leather, Fabric, Compositions, and Combinations Thereof.
Claims use since Feb. 7, 1936.

Ser. No. 375,915. WILSON BROTHERS, Chicago, Ill. Filed Mar. 12, 1936.



Trade-mark consists of a plurality of substantially parallel, blue colored lines, in an approximately triangular shaped area on the top of the toe portion of the stocking, the said colored lines being spaced from one another by lines of a different color usually the same as the basic color of the stocking. The representation of the stocking forms no part of applicant's trade-mark.
For Hosiery.
Claims use since Jan. 29, 1936.

Ser. No. 376,084. THE H. W. GOSSARD CO., Chicago, Ill. Filed Mar. 17, 1936.

Blendalyne

For Combination Garments, Comprising a Combination Corset and Brassière.
Claims use since Feb. 18, 1936.

Ser. No. 376,242. HATLEIGH, INC., New York, N. Y. Filed Mar. 21, 1936.



For Men's, Women's, and Children's Hats.
Claims use since November, 1935.

Ser. No. 376,245. JULIUS KAYSER & CO., New York, N. Y. Filed Mar. 21, 1936.

MOUNTAIN TOPS

For Sweaters and Sport Shirts.
Claims use since Mar. 16, 1936.

Ser. No. 376,345. HILLDUN STORES CORPORATION, New York, N. Y. Filed Mar. 24, 1936.

Delbrooke

For Men's Suits and Coats.
Claims use since Mar. 12, 1936.

Ser. No. 376,422. I. M. BAGEDONOW, INC., New York, N. Y. Filed Mar. 26, 1936.

Mohlama

DE LUXE

The words "De Luxe" is disclaimed apart from the mark as shown.
For Women's and Misses' Coats.
Claims use since January, 1935.

Ser. No. 376,437. MOE LEVY & SON, INC., New York, N. Y. Filed Mar. 26, 1936.

Tom Collins

For Men's and Boys' Suits.
Claims use since Mar. 15, 1936.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 369,068. SPORT-A-FETHER INCORPORATED, New York, N. Y. Filed Sept. 6, 1935.

SPORT-A-FETHER

The words "Sport" and "Fether" are disclaimed except as shown.
For Feathers in the Nature of Ornaments.
Claims use since Aug. 2, 1935.

Ser. No. 374,423. DAVID ROSS, Brooklyn, N. Y. Filed Feb. 3, 1936.

REFRIGERATOR

For Artificial Flowers.
Claims use since Feb. 1, 1934.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 371,358. M. H. NAHIGIAN, INC., New York, N. Y. Filed Nov. 8, 1935.

JOZAN

For Textile Rugs.
Claims use since September, 1935.

Ser. No. 375,455. NASHAWENA MILLS, New Bedford, Mass. Filed Mar. 2, 1936.



For Piece Goods Made from Regenerated Cellulose.
Claims use since Oct. 22, 1915.

Ser. No. 375,522. ST. MARY'S WOOLEN MFG. CO., St. Marys, Ohio. Filed Mar. 3, 1936.

ST. MARYS
ZERO-PROOF
FABRIC

The words "Proof" and "Fabric" are disclaimed apart from the mark.
For Woolen and Worsted Piece Goods.
Claims use since October, 1935.

Ser. No. 375,591. EUGENE MESSNER, INC., New York, N. Y. Filed Mar. 5, 1936.



For Cotton Piece Goods.
Claims use since Feb. 27, 1936.

Ser. No. 375,846. THE KENDALL COMPANY, Walpole, Mass. Filed Mar. 11, 1936.

FASHIONLYN

For Cotton Dress Goods and Suiting Fabrics Made Wholly or in Part of Cotton.
Claims use since Mar. 15, 1935.

Ser. No. 376,061. PACIFIC MILLS, Lawrence and Boston, Mass. Filed Mar. 16, 1936.



For Cotton Piece Goods.
Claims use since Feb. 5, 1936.

Ser. No. 376,088. HOLLAND AND SHERRY, LTD., New York, N. Y. Filed Mar. 17, 1936.

DUROMOL

For Woolen Piece Goods.
Claims use since January, 1934.

Ser. No. 376,190. BIGELOW-SANFORD CARPET CO. INC., Thompsonville, Conn. Filed Mar. 20, 1936.

FIBURTEX

For Woven Textile Rugs and Carpets.
Claims use since Jan. 13, 1936.

Ser. No. 376,353. H. R. MALLINSON & COMPANY, INC., New York, N. Y. Filed Mar. 24, 1936.

PAX

For Silk and Synthetic Fabrics in the Piece.
Claims use since Feb. 15, 1936.

Ser. No. 376,502. STEHLISILKS CORPORATION, New York, N. Y. Filed Mar. 27, 1936.

LAUGHING WATER

For Piece Goods Consisting in Whole or in Part of Pure or Weighted Silk, Rayon, Synthetic Yarn, or Wool.
Claims use since Mar. 19, 1935.

CLASS 43

Thread and Yarn

Ser. No. 376,171. HOOKER & SANDERS, INCORPORATED, New York, N. Y. Filed Mar. 19, 1936.

Lady Drusilla

For Thread and Yarn.
Claims use since May 14, 1935.

Ser. No. 376,342. EASTYARN, INC., Brooklyn, N. Y. Filed Mar. 24, 1936.

Baronga

For Yarns.
Claims use since Feb. 1, 1936.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 362,622. JOHNSON & WINTER, New York, N. Y. Filed Mar. 16, 1935.

GLASTEX

For Non-Corrosive and Heat Resisting Glassware for Hospital, Medical, and Dental Use.
Claims use since May 1, 1934.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 376,945. CONCORDADE COMPANY, INC., Providence, R. I. Filed Apr. 8, 1936.

WELLINGTON CLUB

For Non-Alcoholic, Non-Cereal, Maltless Beverages, Sold as Soft Drinks and Sirups and Extracts for Making the Same.
Claims use since Mar. 20, 1933.

Ser. No. 376,982. CITRUS PRODUCTS COMPANY, Chicago, Ill. Filed Apr. 9, 1936.

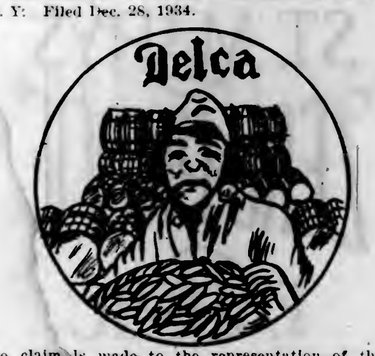


For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Syrups and Concentrates from Which Such Soft Drinks are Made.
Claims use since Mar. 4, 1936.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 359,736. ZWECKER & LEHR, INC., New York, N. Y. Filed Dec. 28, 1934.



No claim is made to the representation of the fish apart from the mark.
For Gaffel-Bitters, a Kind of Spiced Herring, Marinated, Imported and Domestic Herring, Canned Anchovies, and Pickled Sprats.
Claims use since Nov. 1, 1934.

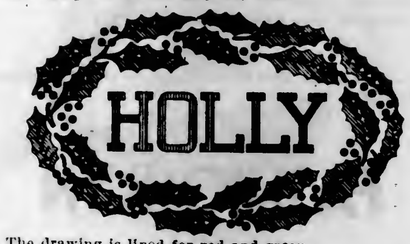
Ser. No. 361,287. FRANK SPORTOLARI, Pittsburgh, Pa. Filed Feb. 11, 1935.

Certified Sportolari SPUMONI

KING OF DESSERT

The words "Certified Sportolari Spumoni and Dessert" are disclaimed apart from the mark shown.
For Ice Cream.
Claims use since August, 1923.

Ser. No. 364,774. HOLLY SUGAR CORPORATION, Colorado Springs, Colo. Filed May 10, 1935.



The drawing is lined for red and green.
For Dried Molasses Sugar Beet Pulp, the Dried Molasses Sugar Beet Pulp Being Used in the Feeding of Livestock.
Claims use since 1919.

Ser. No. 369,589. SALESMEN'S GROCERY CORPORATION, Buffalo, N. Y. Filed Sept. 21, 1935.

BROADWAY SPECIAL

The word "Special" is disclaimed apart from the mark as shown.
For Grocery Products—Namely, Tea, Spices, Flavoring Extracts, Canned Vegetables, Canned Fruits, Canned Fish, Wheat Flour, Rye Flour, Buckwheat Flour, Selfrising Flour, Pancake Flour, and Pastry Flour, Prepared Cereal, Catsup, Chili Sauce, Fruit Preserves, Dried Fruits, Salt, Macaroni.
Claims use since Sept. 16, 1921.

Ser. No. 370,602. CORPORACIÓN ARGENTINA DE PRODUCTORES DE CARNES, Buenos Aires, Argentina. Filed Oct. 21, 1935.

CAP

For Fresh, Frozen, Dried, and Canned Meat and Products Prepared Therefrom—Namely, Tongue, Brains, Kidneys, Liver, Hearts, Tripe, Tails, Marrow, Calfs' Feet, and Sausages.
Claims use since Sept. 1, 1935.

Ser. No. 371,549. JOE LOWE CORPORATION, New York, N. Y. Filed Nov. 14, 1935.

STEEPLE

For Frozen Confections.
Claims use since Sept. 3, 1935.

Ser. No. 372,691. KARL SEILER & SONS, Philadelphia, Pa. Filed Dec. 16, 1935.

NUDEES

For Frankfurters.
Claims use since Apr. 5, 1935.

Ser. No. 373,701. NATIONAL IMPORTING COMPANY, Boston, Mass. Filed Jan. 15, 1936.



For Canned Fish Balls.
Claims use since Sept. 10, 1935.

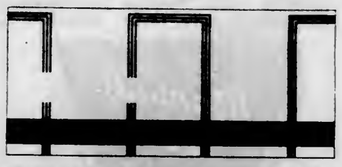
Ser. No. 373,932. ANTONIO PICCINI, Brooklyn, N. Y. Filed Jan. 21, 1936.

PICCINI



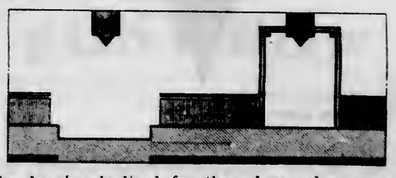
The word "Piccini" is disclaimed apart from the mark as shown.
For Canned Olive Oil.
Claims use since Jan. 14, 1936.

Ser. No. 374,487. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Feb. 4, 1936.



The drawing is lined for the colors red and blue which are particularly claimed.
For Canned Vegetables.
Claims use since September, 1935.

Ser. No. 374,488. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Feb. 4, 1936.



The drawing is lined for the colors red, green, and yellow which are particularly claimed.
For Canned Vegetables.
Claims use since September, 1935.

Ser. No. 374,489. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Feb. 4, 1936.



The drawing is lined for the colors blue, red or pink, yellow or gold, purple or violet, and orange which are particularly claimed.
For Canned Vegetables.
Claims use since September, 1935.

Ser. No. 374,850. ROSE RABINOWITZ, New York, N. Y. Filed Feb. 14, 1936.



All words except "Charaque" and "Emar" are disclaimed. The drawing is lined for red.
For Candy.
Claims use since Jan. 15, 1935.

Ser. No. 374,968. GREAT WESTERN FOOD PRODUCTS COMPANY, INC., Coeur d'Alene, Idaho. Filed Feb. 18, 1936.



For Breakfast Cereal.
Claims use since Nov. 21, 1935.

Ser. No. 375,008. GARDEN CITY PICKLE COMPANY, Ripon, Wis. Filed Feb. 19, 1936.

PICKLE-O-PETE

The word "Pickle" is disclaimed apart from the mark shown.
For Pickles, Olives, and Fruit Preserves.
Claims use since Nov. 15, 1935.

Ser. No. 375,258. LOOSE-WILES BISCUIT COMPANY, Long Island City, N. Y. Filed Feb. 26, 1936.

RIPLETS

For Bakery Products—Namely, Crackers, Cakes, Biscuits, and cookies.
Claims use since Jan. 8, 1936.

Ser. No. 375,340. NASH-DE CAMP COMPANY, San Francisco, Calif. Filed Feb. 28, 1936.

NADCO

For Fresh Deciduous Fruits and Fresh Vegetables.
Claims use since Sept. 12, 1932.

Ser. No. 375,430. FISH-DEE-LISH CORPORATION, Benicia, Calif. Filed Mar. 2, 1936.

Fish Dee Lish

The word "Fish" is disclaimed apart from the mark.
For Canned Fish Products Particularly Pilchards or Sardines.
Claims use since Jan. 17, 1936.

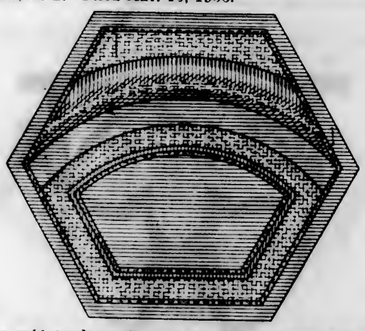
Ser. No. 375,557. PHILLIPS MILLING COMPANY, San Francisco, Calif. Filed Mar. 4, 1936.

NIPPON MAID



The picture is fanciful.
For Rice.
Claims use since Feb. 3, 1936.

Ser. No. 375,817. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Mar. 10, 1936.



The said trade-mark consists of the characteristic features shown in the drawing irrespective of the particular colors in which the said features are or may be displayed.

but on the drawing the horizontal and vertical lining and the cross-hatching represent, respectively, the colors blue, red, yellow, and gold, which are particularly claimed, the diagonal lining, however, being for shading merely.
For Salad Dressing, Sandwich Spread, Black Pepper, Pickles, Garlic Seasoning, Onion Seasoning, Celery Salt, and Curry Powder.
Claims use on salad dressing and sandwich spread since Sept. 10, 1929; on black pepper since Nov. 16, 1935; on pickles since Jan. 28, 1936; and on garlic seasoning, onion seasoning, celery salt and curry powder since Dec. 4, 1935.

Ser. No. 375,818. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed Mar. 10, 1936.



The said trade-mark consists of the characteristic features shown in the drawing irrespective of the particular colors in which the said features are or may be displayed, but on the drawing the horizontal and vertical lining and the cross-hatching represent, respectively, the colors blue, red, yellow, and gold, which are particularly claimed, the diagonal lining, however, being for shading merely.
For Black Pepper, Pickles, Garlic Seasoning, Onion Seasoning, Celery Salt, and Curry Powder.
Claims use on black pepper since Nov. 16, 1935; on pickles since Jan. 28, 1936; and on garlic seasoning, onion seasoning, celery salt, and curry powder since Dec. 4, 1935.

Ser. No. 375,862. RUFUS C. SATTERFIELD, doing business as Birch Bark Gum Company, Kensington, Md. Filed Mar. 11, 1936.



The words "Birch Bark" are disclaimed apart from the mark.
For Chewing Gum.
Claims use since Mar. 9, 1936.

Ser. No. 375,979. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y. Filed Mar. 14, 1936.

CONDOR
High Flavor
COFFEE

The words "High Flavor Coffee" are disclaimed apart from the mark shown.
For Coffee.
Claims use since Feb. 21, 1936.

Ser. No. 376,091. JACK G. MARINOVICH, Watsonville, Calif. Filed Mar. 17, 1936.



For Fresh Vegetables.
Claims use since Feb. 26, 1936.

Ser. No. 376,102. ROSE VALLEY PRODUCE CO., INC., Milpitas, Calif. Filed Mar. 17, 1936.

PONY BOY

For Fresh Vegetables.
Claims use since June, 1934.

Ser. No. 376,248. PHILADELPHIA DAIRY PRODUCTS COMPANY, INC., Philadelphia, Pa. Filed Mar. 21, 1936.

DARLENE

For Ice Cream.
Claims use since Dec. 6, 1935.

Ser. No. 376,281. HUBBARD MILLING COMPANY, Mankato, Minn. Filed Mar. 23, 1936.

NIBS

For Dog Food.
Claims use since Dec. 16, 1935.

Ser. No. 376,302. WILLIAM J. SCHRANER, Detroit, Mich. Filed Mar. 23, 1936.

BONNIE-BALL

For Ice Cream and Frozen Confections.
Claims use since Mar. 3, 1936.

Ser. No. 376,307. SUNNY HILLS RANCH, INC., doing business as Sunny Hills Citrus Assn., Fullerton, Calif. Filed Mar. 23, 1936.

HILLCO

For Fresh Citrus Fruit.
Claims use since Feb. 28, 1936.

Ser. No. 376,361. SOUTHERN BISCUIT COMPANY, INCORPORATED, Richmond, Va. Filed Mar. 24, 1936.

FFV
PAR-T-PETS

For Biscuits.
Claims use since Mar. 9, 1936.

Ser. No. 376,384. HOWARD P. FITES, Yuma, Ariz. Filed Mar. 25, 1936.

YUMA CHIEF

For Fresh Vegetables.
Claims use since 1932.

Ser. No. 377,042. DAIRY BEVERAGES, INC., New York, N. Y. Filed Apr. 10, 1936.



For Coffee.
Claims use since November, 1934.

CLASS 47

Wines

Ser. No. 374,032. WILHELM WASUM, Bacharach on Rhine, Germany. Filed Jan. 23, 1936.



All wording except "Wilh. Wasum" and "Schloss Furstenberg" is disclaimed apart from the mark. The facsimile signature is that of Wilhelm Wasum, head of the firm in 1840.
For Wines.
Claims use since Aug. 25, 1927.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 363,896. SANTA CRUZ DISTILLERS, Christiansted, St. Croix, Virgin Islands. Filed Apr. 17, 1935.



For Alcoholic Punch.
Claims use since Dec. 5, 1933.

Ser. No. 375,329. HIGGINS BROTHERS, Hopkinsville, Ky. Filed Feb. 28, 1936.

PENNYRILE

For Whiskey.
Claims use since Feb. 15, 1936.

Ser. No. 376,469. ADOLF FRIEDEBERG AND EVERETT H. MAYER, New York, N. Y. Filed Mar. 27, 1936.

Red Neck

For Rum.
Claims use since December, 1933.

Ser. No. 376,984. THE TOM COLLINS CORPORATION, Covington, Ky. Filed Apr. 9, 1936.

Club Car

For Alcoholic Mixtures, Whiskey Highball, Gin Highball, Whiskey Sour, Gin Sour, Whiskey Wallop, and Gin Mix.
Claims use since Apr. 7, 1936.

Ser. No. 377,026. SOUTH AFRICAN WINE FARMERS IMPORT CORPORATION, Jersey City, N. J. Filed Apr. 9, 1936.

KWV

For Grape Brandy.
Claims use since Oct. 8, 1935.

Ser. No. 377,052. LIBERTY DISTILLERIES, INC., Dundalk, Md. Filed Apr. 10, 1936.

TEN HILLS

For Pure Rye Whiskey.
Claims use since Oct. 8, 1934.

Ser. No. 377,059. OLDETYME DISTILLERS, INC., New York, N. Y. Filed Apr. 10, 1936.

Fresh Meadow

For Whiskey.
Claims use since June 13, 1934.

Ser. No. 377,078. BEAUMART, INC., Bridgeport, Conn. Filed Apr. 10, 1936.

BRONZE AGE

For Gin, Whiskey, and Brandy.
Claims use since Mar. 10, 1934.

Ser. No. 377,166. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J. Filed Apr. 13, 1936.

GOOD OLD TEDDY

For Whiskeys, Brandies, Gins, and Cordials.
Claims use since Apr. 6, 1936.

Ser. No. 377,167. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J. Filed Apr. 13, 1936.

Green Tavern

For Whiskeys, Brandies, Gins, and Cordials.
Claims use since Mar. 28, 1936.

Ser. No. 377,221. GREENBROS, INC., Cincinnati, Ohio. Filed Apr. 15, 1936.

Eden Park

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Mar. 1, 1934.

Ser. No. 377,264. DAVILA HERMANOS, INCORPORATED, San Juan and Malecon, San Juan, P. R. Filed Apr. 16, 1936.



The word "Ron" is disclaimed apart from the mark The picture is fanciful.
For Rum.
Claims use since Mar. 1, 1936.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 369,272. PERRY E. GROVE, doing business as G & N Cell-O-Seal Distributors, Seattle, Wash. Filed Sept. 13, 1935.

CELL-O-SEAL

The word "Seal" is disclaimed except in connection with the remainder of the mark.

For Glass or Jar Sealing Material in the Nature of Thin, Transparent Sheets of Material.

Claims use since July 15, 1935.

Ser. No. 373,819. COLONIAL ART COMPANY, INC., Westfield, Mass. Filed Jan. 18, 1936.



The words "From" and "Mfrs. of Hamilton Patented Price Cards and Signs, Westfield, Mass." are disclaimed apart from the mark.

For Mechanical Price Signs on Which the Numerals Thereon May be Changed at Will.

Claims use since April, 1925.

Ser. No. 375,901. THE ROLLER FANCIERS' CORPORATION, doing business as American Canary Fanciers' Association, Kansas City, Mo. Filed Mar. 12, 1936.

YB

For Leg Bands for Canaries.

Claims use since Jan. 1, 1934.

Ser. No. 375,960. SPARKLE CRAFT INC., New York, N. Y. Filed Mar. 13, 1936.

SPARKLE CRAFT

For Kit Containing Materials for Effecting Surface Decorations Including Adhesive Stencils, and Metal Tinsel in Fine Particles or Powders to be Applied to the Adhesive.

Claims use since Feb. 1, 1936.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MAY 19, 1936

334,860. CARBON DISULPHIDE IN CAPSULE FORM. ROBERT P. SCHERER, doing business as Gelatin Products Company, Detroit, Mich.
Filed October 18, 1935. Serial No. 370,528. PUBLISHED February 18, 1936. Class 6.

334,861. OVERALLS. THE N & W OVERALL COMPANY, INC., doing business as W. W. Couch Company, Lynchburg, Va.
Filed September 7, 1935. Serial No. 369,091. PUBLISHED MARCH 10, 1936. Class 39.

334,862. WOMEN'S AND MISSES' DRESSES, SUITS, SKIRTS, BLOUSES, COATS, JACKETS, CAPES, GOWNS, STOCKINGS, AND UNDERWEAR. JUNIOR GUILD FROCKS, INC., Chicago, Ill.
Filed September 13, 1935. Serial No. 369,278. PUBLISHED MARCH 3, 1936. Class 39.

334,863. COFFEE. P. PASCAL, INC., New York, N. Y.
Filed September 19, 1935. Serial No. 369,502. PUBLISHED MARCH 10, 1936. Class 46.

334,864. MASKS USED BY PHYSICIANS, SURGEONS, NURSES, AND OTHERS ENGAGED IN THE MEDICAL PROFESSION. WATHUFF HOLDING COMPANY, INC., Jersey City, N. J.
Filed August 7, 1935. Serial No. 368,089. PUBLISHED MARCH 10, 1936. Class 44.

334,865. CIGARS. MENENDEZ Y COMPAÑIA, S. EN C., Habana, Cuba.
Filed August 9, 1935. Serial No. 368,141. PUBLISHED OCTOBER 15, 1935. Class 17.

334,866. ELECTRIC AND NON-POWER SEWING MACHINES. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed August 14, 1935. Serial No. 368,308. PUBLISHED MARCH 10, 1936. Class 23.

334,867. PERFUMES, TOILET WATERS, EAU DE COLOGNE, BATH ESSENCES, BATH OIL, OIL USED BEFORE OR AFTER EXPOSURE TO SUNBURN, FACE POWDER, BATH POWDER, TALCUM POWDER, ROUGE AND POWDER COMPACTS, LIPSTICKS, SACHETS, EYE SHADOW, MASCARA, AND EYEBROW PENCIL. PRINCE MATCHABELLI PERFUMERY, INC., New York, N. Y.
Filed August 15, 1935. Serial No. 368,352. PUBLISHED MARCH 3, 1936. Class 6.

334,868. WOMEN'S DRESSES AND BLOUSES. PECK & PECK, New York, N. Y.
Filed August 20, 1935. Serial No. 368,484. PUBLISHED MARCH 3, 1936. Class 39.

334,869. SLIPS. M. C. SCHRANK COMPANY, Bridgeton, N. J.
Filed August 22, 1935. Serial No. 368,582. PUBLISHED OCTOBER 15, 1935. Class 39.

334,870. PERMANENT HAIR WAVE LIQUIDS, OILS, AND PREPARATIONS. MADELINE'S, Canton, Ohio.
Filed August 21, 1935. Serial No. 368,607. PUBLISHED MARCH 3, 1936. Class 6.

334,871. CANNED FRUIT JUICES FOR FOOD PURPOSES. F. J. DURFEE, JR., Lakeland, Fla.
Filed August 23, 1935. Serial No. 368,608. PUBLISHED MARCH 10, 1936. Class 46.

334,872. NUT TREES—NAMELY, PECAN TREES, SCIONS, AND GRAFTS. SIMPSON NURSERY COMPANY, Monticello, Fla.
Filed December 23, 1935. Serial No. 373,001. PUBLISHED MARCH 3, 1936. Class 1.

334,873. CALCULATORS FOR DIET ANALYSES. MICHAEL J. WALSH, San Diego, Calif.
Filed December 24, 1935. Serial No. 373,058. PUBLISHED MARCH 10, 1936. Class 26.

334,874. ARTIFICIAL CARBONATED LITHIATED WATER. GRISTEDE BROS. INC., New York, N. Y.
Filed December 27, 1935. Serial No. 373,103. PUBLISHED MARCH 3, 1936. Class 6.

334,875. MEN'S, WOMEN'S, AND CHILDREN'S PAJAMAS. KAYLON, INC., New York, N. Y.
Filed October 14, 1935. Serial No. 370,350. PUBLISHED MARCH 3, 1936. Class 39.

334,876. PERMANENT WAVE MACHINES, ELECTRIC HAIR DRYERS, AND PERMANENT WAVING CURLING RODS, CLAMPS, AIR CHAMBERS, AND PADS. AMERICAN MACHINE AND METALS MANUFACTURING CORPORATION, New York, N. Y.
Filed October 15, 1935. Serial No. 370,376. PUBLISHED MARCH 10, 1936. Class 44.

334,877. HOUSEHOLD LABEL BOOKS. EUREKA SPECIALTY PRINTING COMPANY, Scranton, Pa.
Filed October 16, 1935. Serial No. 370,410. PUBLISHED MARCH 3, 1936. Class 37.

334,878. WHISKY. MACKINTOSH & MACKINTOSH LIMITED, Stirling and Glasgow, Scotland.
Filed October 16, 1935. Serial No. 370,418. PUBLISHED MARCH 10, 1936. Class 49.

334,879. PRINTERS' DRAW SHEETS. TINGUE, BROWN & Co., New York, N. Y.
Filed October 17, 1935. Serial No. 370,482. PUBLISHED MARCH 3, 1936. Class 50.

334,880. WORK SHIRTS. ROMBRO BROS., Baltimore, Md.
Filed January 16, 1936. Serial No. 373,751. PUBLISHED MARCH 10, 1936. Class 39.

334,881. PINS OF THE TYPE GENERALLY USED IN FASTENING PAPERS OR LIKE MATERIALS TOGETHER. SCOVILL MANUFACTURING COMPANY, Waterbury, Conn.
Filed January 16, 1936. Serial No. 373,753. PUBLISHED MARCH 3, 1936. Class 37.

334,882. VEHICLE SEAT SPRINGS AND BED SPRINGS. FLEXSTEEL SPRING CORPORATION, Minneapolis, Minn.
Filed January 17, 1936. Serial No. 373,779. PUBLISHED MARCH 10, 1936. Class 32.

334,883. TABLE BOARD GAME PLAYED WITH REGULATION PLAYING CARDS. CARL M. GRAVES, West Milton, Ohio.
Filed January 17, 1936. Serial No. 373,780. PUBLISHED MARCH 10, 1936. Class 22.

334,884. THERMOSTATICALLY CONTROLLED HEAT REGULATORS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed January 17, 1936. Serial No. 373,804. PUBLISHED MARCH 10, 1936. Class 26.

334,885. ARTIFICIAL CARBONATED LITHIATED WATER. GRISTEDE BROS. INC., New York, N. Y.
Filed October 4, 1935. Serial No. 369,999. PUBLISHED FEBRUARY 25, 1936. Class 6.

334,886. LADIES' UNDERWEAR AND SLIPS. HARWOOD UNDERWEAR CORPORATION, New York, N. Y.
Filed April 13, 1935. Serial No. 363,960. PUBLISHED OCTOBER 29, 1935. Class 39.

334,887. PRODUCTS INTENDED FOR THE TREATMENT OF FLOORS—NAMELY, WAXES. FULD BROS., INC., Baltimore, Md.
Filed January 21, 1936. Serial No. 373,916. PUBLISHED MARCH 10, 1936. Class 16.

334,888. MATTRESSES AND BOX SPRINGS. PACIFIC BEDDING COMPANY INC., Los Angeles, Calif.
Filed January 20, 1936. Serial No. 373,889. PUBLISHED MARCH 10, 1936. Class 32.

334,889. ASPIRIN TABLETS. GEORGE S. MUCHEMORE, doing business as Mintos Company, Kansas City, Mo.
Filed January 20, 1936. Serial No. 373,886. PUBLISHED MARCH 10, 1936. Class 6.

334,890. HANDBAGS. HENRY AMDUR & SONS, INC., New York, N. Y.
Filed January 18, 1936. Serial No. 373,860. PUBLISHED MARCH 3, 1936. Class 3.

334,891. MEN'S SUITS, OVERCOATS, AND TOPCOATS. WEINBERG CORPORATION, Chicago, Ill.
Filed January 18, 1936. Serial No. 373,854. PUBLISHED MARCH 10, 1936. Class 39.

334,892. MEN'S SUITS, OVERCOATS, AND TOPCOATS. WEINBERG CORPORATION, Chicago, Ill.
Filed January 18, 1936. Serial No. 373,852. PUBLISHED MARCH 3, 1936. Class 39.

334,893. VARNISH SEALER AND VARNISH FINISH FOR FINISHING AND POLISHING SURFACES. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio.
Filed January 6, 1936. Serial No. 373,350. PUBLISHED MARCH 10, 1936. Class 16.

334,894. MONTHLY PRINTED PERIODICAL OR TRADE PAPER. BILL BROTHERS PUBLISHING CORPORATION, New York, N. Y.
Filed January 4, 1936. Serial No. 373,330. PUBLISHED MARCH 3, 1936. Class 38.

334,895. SERIES OF MOTION PICTURE FILMS. HOWARD G. UNDERWOOD, Portsmouth, Ohio.
Filed January 3, 1936. Serial No. 373,323. PUBLISHED MARCH 10, 1936. Class 26.

334,896. CANNED FRUITS AND VEGETABLES AND FRUIT JUICES FOR FOOD PURPOSES. THE POLK COMPANY, Haines City, Fla.
Filed January 3, 1936. Serial No. 373,319. PUBLISHED MARCH 10, 1936. Class 46.

334,897. SOLVENT AND CLEANER FOR DISSOLVING OIL RESIDUES AND SLUDGE FORMATIONS AND CLEANING CRANKCASES AND LUBRICATING SYSTEMS OF INTERNAL COMBUSTION ENGINES, BUT INCIDENTALLY USEFUL FOR OTHER PURPOSES. MOTOR FUME UTILIZER CORPORATION, Long Island City, N. Y.
Filed January 3, 1936. Serial No. 373,314. PUBLISHED MARCH 10, 1936. Class 4.

334,898. PIES. LAWRENCE J. VICK, Jackson, Tenn.
Filed January 2, 1936. Serial No. 373,275. PUBLISHED MARCH 10, 1936. Class 46.

334,899. RIBBONS. MORRIS SHOENTHAL, INC., New York, N. Y.
Filed January 2, 1936. Serial No. 373,270. PUBLISHED MARCH 3, 1936. Class 42.

334,900. RIBBONS. MORRIS SHOENTHAL, INC., New York, N. Y.
Filed January 2, 1936. Serial No. 373,268. PUBLISHED MARCH 3, 1936. Class 42.

334,901. SWEATER-COATS, SWEATERS, CARDIGAN JACKETS, AND BATHING SUITS. HIGHLAND KNITTING MILLS, doing business as Forrest Knitting Mills, Philadelphia, Pa.
Filed January 2, 1936. Serial No. 373,259. PUBLISHED MARCH 3, 1936. Class 39.

334,902. HOUSEHOLD CLEANSER FOR CLEANING, SCOURING, POLISHING, AND PURIFYING. E. KLEIN, INC., Chicago, Ill.
Filed January 2, 1936. Serial No. 373,258. PUBLISHED MARCH 3, 1936. Class 4.

334,903. FRETTED MUSICAL INSTRUMENTS—NAMELY, BANJOS, MANDOLINS, GUITARS, AND UKELELES. GRETSCH & BRENNER, INC., New York, N. Y.
Filed January 2, 1936. Serial No. 373,256. PUBLISHED MARCH 10, 1936. Class 36.

334,904. WOMEN'S COATS. SCHENKER, MICHEL & WEINSTOCK, INC., Chicago, Ill.
Filed December 31, 1935. Serial No. 373,232. PUBLISHED MARCH 10, 1936. Class 39.

334,905. SILVER PLATED TABLEWARE AND SILVER PLATED CUTLERY. ONEIDA LTD., Sherrill and Oneida, N. Y., and Northampton, Mass.
Filed December 31, 1935. Serial No. 373,225. PUBLISHED FEBRUARY 25, 1936. Class 28.

334,906. BIRD SEED. WEST'S PRODUCTS CO., Milwaukee, Wis.
Filed October 17, 1935. Serial No. 370,484. PUBLISHED MARCH 3, 1936. Class 46.

334,907. FINGER RINGS. JABEL RING MANUFACTURING CO., Newark, N. J.
Filed January 11, 1936. Serial No. 373,575. PUBLISHED FEBRUARY 25, 1936. Class 28.

334,908. HUMIDORS. UNITED CHROMIUM, INCORPORATED, New York, N. Y., and Waterbury, Conn.
Filed January 11, 1936. Serial No. 373,579. PUBLISHED MARCH 3, 1936. Class 8.

334,909. DISHWASHING COMPOUNDS. EDWARD C. CHANDLER, doing business as Pioneer Chemical & Manufacturing Company, Cleveland, Ohio.
Filed January 13, 1936. Serial No. 373,592. PUBLISHED MARCH 3, 1936. Class 4.

334,910. TENNIS RACKETS, SQUASH RACKETS, BADMINTON RACKETS, BADMINTON SHUTTLECOCKS, TENNIS RACKET PRESSES, SQUASH RACKET PRESSES, BADMINTON RACKET PRESSES, TENNIS RACKET COVERS, SQUASH RACKET COVERS, AND BADMINTON RACKET COVERS. STEPHEN J. FERON, INC., New York, N. Y.
Filed January 22, 1936. Serial No. 373,958. PUBLISHED MARCH 10, 1936. Class 22.

334,911. WHISKEY. THE OLD SPRING DISTILLING CO., Cincinnati, Ohio.
Filed January 22, 1936. Serial No. 373,969. PUBLISHED MARCH 10, 1936. Class 49.

334,912. WHISKEY. DELAWARE IMPORTERS, INC., Wilmington, Del.
Filed January 21, 1936. Serial No. 373,986. PUBLISHED MARCH 10, 1936. Class 49.

334,913. BRANDY. K. ARAKELIAN, INC., Madera, Calif., and New York, N. Y.
Filed January 23, 1936. Serial No. 373,989. PUBLISHED MARCH 10, 1936. Class 49.

334,914. WHISKEY, GIN, RUM, ALCOHOLIC CORDIALS AND LIQUEURS. HINRICHS DISTILLED PRODUCTS, St. Louis, Mo., assignor to Mid-Continental Liquor Distributors, Inc., St. Louis, Mo., a corporation of Missouri.
Filed January 23, 1936. Serial No. 374,004. PUBLISHED MARCH 10, 1936. Class 49.

334,915. WHISKEY. D & B PRODUCTS CORPORATION, Jersey City, N. J.
Filed January 24, 1936. Serial No. 374,043. PUBLISHED MARCH 10, 1936. Class 49.

334,916. PUBLICATION DEVOTED TO THE CARE OF BABIES. S. CHARLES MELE, doing business as Baby Talk Publishing Company, Brooklyn, N. Y.
Filed December 27, 1935. Serial No. 373,106. PUBLISHED MARCH 3, 1936. Class 38.

334,917. FRATERNITY BADGES, LAPEL BUTTONS, SCARF, LAPEL, AND BREAST PINS, CUFF LINKS, TIE CLASPS, CHARMS, FINGER RINGS, BELT BUCKLES, AND ORNAMENTAL SHIELDS, ALL OF PRECIOUS METAL. DELTA THETA TAU FRATERNITY, Warsaw, Ind.
Filed December 28, 1935. Serial No. 373,130. PUBLISHED FEBRUARY 25, 1936. Class 28.

334,918. SHEETS OF FERROUS ALLOY STEEL FOR PEN NIBS. THE PARKER PEN COMPANY, Janesville, Wis.
Filed December 28, 1935. Serial No. 373,156. PUBLISHED MARCH 3, 1936. Class 14.

334,919. WOMEN'S GARMENTS AND UNDERGARMENTS—NAMELY, SLIPS, NIGHTGOWNS, PAJAMAS, BEDJACKETS, PANTIES, DANCE SETS, AND CHEMISES. MARTHA MAID MANUFACTURING COMPANY, Chicago, Ill.
Filed December 30, 1935. Serial No. 373,178. PUBLISHED MARCH 3, 1936. Class 39.

334,920. WOMEN'S AND CHILDREN'S DRESSES. SIGNET HOSIERY COMPANY, Cambridge, Mass.
Filed December 30, 1935. Serial No. 373,188. PUBLISHED MARCH 3, 1936. Class 39.

334,921. METAL POLISH. VICTOR STANSIALE, doing business as Victor Supreme Metal Polish Co., West New York, N. J.
Filed December 30, 1935. Serial No. 373,189. PUBLISHED MARCH 10, 1936. Class 4.

334,922. COMPOUND FOR RESTORING ORIGINAL COLOR TO GREY HAIR. GEORGE WADE GRAY, doing business as Gray Laboratories, Brooklyn, N. Y.
Filed December 31, 1935. Serial No. 373,214. PUBLISHED MARCH 3, 1936. Class 6.

334,923. BEER, ALE, AND PORTER. SAN ANTONIO BREWING ASSOCIATION, San Antonio, Tex.
Filed January 10, 1936. Serial No. 373,541. PUBLISHED MARCH 10, 1936. Class 48.

334,924. CHEWING GUM AND CANDY CONTAINING A STIMULANT SUCH AS CAFFEINE FOR THE RELIEF OF DROWSINESS AND THE LIKE. WESTERN RESEARCH CORPORATION, Los Angeles, Calif.
Filed January 10, 1936. Serial No. 373,546. PUBLISHED MARCH 10, 1936. Class 6.

334,925. BACON (SLICED AND BULK); HAM; SLICED BEEF; PEANUT BUTTER; TOMATO CATSUP; CHILI SAUCE; TOMATO JUICE; TOMATO JUICE COCKTAIL; ETC. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y.
Filed January 11, 1936. Serial No. 373,553. PUBLISHED MARCH 10, 1936. Class 46.

334,926. BEER, ALE, AND PORTER. THE CLASS & NACHOD BREWING COMPANY, Philadelphia, Pa.
Filed January 6, 1936. Serial No. 373,361. PUBLISHED MARCH 10, 1936. Class 48.

334,927. MEN'S AND BOYS' PAJAMAS AND UNDERWEAR. EXCELSIOR UNDERWEAR COMPANY, INC., doing business as Excelsior Underwear Co., Inc., Baltimore, Md.
Filed January 6, 1936. Serial No. 373,371. PUBLISHED MARCH 3, 1936. Class 39.

334,928. KNITTED AND WOVEN POLO SHIRTS, BATHING SUITS, BATHING TRUNKS, SWEATERS, UNDERSHIRTS, DRAWERS AND UNION SUITS FOR MEN, WOMEN, AND CHILDREN, AND PAJAMAS. FRANK FOREMAN, INC., New York, N. Y.
Filed January 7, 1936. Serial No. 373,412. PUBLISHED MARCH 10, 1936. Class 39.

334,929. MEN'S SUMMER COATS AND TROUSERS. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y.
Filed January 7, 1936. Serial No. 373,420. PUBLISHED MARCH 3, 1936. Class 39.

334,930. SYSTEM CLEANSER—NAMELY, A TONIC HERB LAXATIVE. MAX RIEDEL, doing business as Vital Food Products Co., New York, N. Y.
Filed January 7, 1936. Serial No. 373,429. PUBLISHED MARCH 3, 1936. Class 6.

334,931. BOILER CLEANER AND STEAM CONDITIONING PREPARATION. UTILITY LABORATORY, INC., Brooklyn, N. Y.
Filed January 8, 1936. Serial No. 373,469. PUBLISHED MARCH 3, 1936. Class 6.

334,932. GENERAL TONIC STIMULANT. MEDICONE COMPANY, INC., New York, N. Y.
Filed January 9, 1936. Serial No. 373,497. PUBLISHED MARCH 3, 1936. Class 6.

334,933. BLEACHED ABSORBENT CHEESECLOTH. THE SITROUX COMPANY, INC., Brooklyn, N. Y.
Filed January 9, 1936. Serial No. 373,505. PUBLISHED MARCH 3, 1936. Class 42.

334,934. TOILET PAPER, PAPER TOWELS, PAPER NAPKINS, WAXED PAPER, AND WRAPPING PAPER. L. K. MALLINCKRODT, doing business as Malwood Manufacturing Co., Baltimore, Md.
Filed January 10, 1936. Serial No. 373,534. PUBLISHED MARCH 3, 1936. Class 37.

334,935. SKIN CREAM, TISSUE CREAM, FACE AND HAND LOTION, LIPSTICKS, DRY ROUGE, CREAM ROUGE, EYE SHADOW PREPARATION, ETC. OLIVE CARMEAN WITZMAN, Kansas City, Mo.
Filed January 9, 1936. Serial No. 373,509. PUBLISHED MARCH 3, 1936. Class 6.

334,936. ANTISEPTIC AND SPERMICIDES. E. R. SQUIBB & SONS, New York, N. Y.
Filed January 9, 1936. Serial No. 373,506. PUBLISHED MARCH 3, 1936. Class 6.

334,937. CHEWING GUM. NATIONAL CHICLE COMPANY, Cambridge, Mass.
Filed January 10, 1936. Serial No. 373,536. PUBLISHED MARCH 10, 1936. Class 46.

334,938. GUMS SUITABLE FOR THE PRINTING OF TEXTILE FABRICS. ROYCE CHEMICAL COMPANY, Carlton Hill, N. J.
Filed January 10, 1936. Serial No. 373,540. PUBLISHED MARCH 10, 1936. Class 6.

334,939. DYESTUFFS. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y.
Filed December 19, 1935. Serial No. 372,807. PUBLISHED MARCH 3, 1936. Class 6.

334,940. DYESTUFFS. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y.
Filed December 19, 1935. Serial No. 372,808. PUBLISHED MARCH 3, 1936. Class 6.

334,941. DYESTUFFS. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y.
Filed December 19, 1935. Serial No. 372,809. PUBLISHED MARCH 3, 1936. Class 6.

334,942. DYESTUFFS. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y.
Filed December 19, 1935. Serial No. 372,810. PUBLISHED MARCH 3, 1936. Class 6.

334,943. DYESTUFFS. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y.
Filed December 19, 1935. Serial No. 372,811. PUBLISHED MARCH 3, 1936. Class 6.

334,944. DYESTUFFS. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y.
Filed December 19, 1935. Serial No. 372,813. PUBLISHED MARCH 3, 1936. Class 6.

334,945. LIQUEUR. ARROW DISTILLERIES, INC., Detroit, Mich.
Filed December 19, 1935. Serial No. 372,818. PUBLISHED MARCH 10, 1936. Class 49.

334,946. TEETHING RINGS, PACIFIERS, AND NIPPLES. JACK COHN, New York, N. Y.
Filed December 19, 1935. Serial No. 372,823. PUBLISHED MARCH 10, 1936. Class 44.

334,947. KNIT GOODS—NAMELY, SWEATERS AND SOCKS, AND WOMEN'S AND CHILDREN'S KNIT DRESSES AND SKIRTS. LESTER G. GRIFFITH, doing business as Beverly Knitting Mills, Los Angeles, Calif.
Filed December 19, 1935. Serial No. 372,831. PUBLISHED MARCH 10, 1936. Class 39.

334,948. LEATHER. KORN LEATHER COMPANY, Peabody, Mass.
Filed December 19, 1935. Serial No. 372,840. PUBLISHED MARCH 3, 1936. Class 1.

334,949. LEATHER. KORN LEATHER COMPANY, Peabody, Mass.
Filed December 19, 1935. Serial No. 372,841. PUBLISHED MARCH 3, 1936. Class 1.

334,950. MEDICINAL PREPARATION FOR THE TREATMENT OF ARTHRITIS AND RHEUMATOID CONDITIONS. SMITH, KLINE & FRENCH LABORATORIES, Philadelphia, Pa.
Filed December 19, 1935. Serial No. 372,861. PUBLISHED MARCH 3, 1936. Class 6.

334,951. LINIMENT FOR EXTERNAL USE ONLY. GEORGE CLINTON, doing business as The Clinton Company, Wichita, Kans.
Filed December 20, 1935. Serial No. 372,869. PUBLISHED MARCH 10, 1936. Class 6.

334,952. MEN'S SUITS, TOPCOATS, AND OVERCOATS. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y.
Filed December 20, 1935. Serial No. 372,877. PUBLISHED MARCH 3, 1936. Class 39.

334,953. SLUSH PUMP LINERS. OIL WELL SUPPLY COMPANY, Dallas, Tex.
Filed December 20, 1935. Serial No. 372,887. PUBLISHED MARCH 10, 1936. Class 23.

334,954. LEATHER IN THE PIECE. SLATTERY BROS. TANNING CO., INC., Salem and Boston, Mass.
Filed December 20, 1935. Serial No. 372,896. PUBLISHED MARCH 3, 1936. Class 1.

334,955. BEER. UNION PRODUCTS CO., INC., New Orleans, La.
Filed December 20, 1935. Serial No. 372,897. PUBLISHED MARCH 10, 1936. Class 48.

334,956. SHEET METAL COMPRISING PRIMARILY A COPPER AND IRON BASE AND A TIN AND LEAD COATING. WILLIAM A. CONWAY, Baltimore, Md.
Filed December 19, 1935. Serial No. 372,904. PUBLISHED MARCH 3, 1936. Class 14.

334,957. JEWELRY FOR PERSONAL WEAR OR ADORNMENT, PARTICULARLY FINGER-RINGS, NOT INCLUDING WATCHES. OSTBY AND BARTON COMPANY, Providence, R. I.
Filed December 21, 1935. Serial No. 372,919. PUBLISHED MARCH 3, 1936. Class 28.

334,958. STEEL AND TOOL STEEL. PREMIER STEEL CO., New York, N. Y.
Filed December 23, 1935. Serial No. 372,990. PUBLISHED MARCH 3, 1936. Class 14.

334,959. INTERNAL COMBUSTION ENGINE MANIFOLD FUEL VAPORIZER. POWERBAL COMPANY, Los Angeles, Calif.
Filed January 18, 1936. Serial No. 373,840. PUBLISHED MARCH 10, 1936. Class 23.

334,960. FRESH CITRUS FRUITS. INDIAN RIVER ASSOCIATES, INC., Vero Beach, Fla.
Filed January 18, 1936. Serial No. 373,828. PUBLISHED MARCH 10, 1936. Class 46.

334,961. PERMANENT WAVE PADS, STRINGS, AND FOIL PAPERS. ANNE HEATHCOTE, doing business as Heathcote Studios, Chicago, Ill.
Filed October 21, 1935. Serial No. 370,614. PUBLISHED MARCH 10, 1936. Class 44.

334,962. OLIVES, OLIVE OIL, AND CHERRIES. S. J. VALK & SON, New York, N. Y.
Filed October 21, 1935. Serial No. 370,638. PUBLISHED MARCH 10, 1936. Class 46.

334,963. VEHICLE TIRES, INNER TUBES FOR PNEUMATIC TIRES, FAN BELTS, TIRE AND TUBE PATCHES, REPAIR KITS AND FLAPS, ALL MADE WHOLLY OR PARTLY OF RUBBER. ASSOCIATED RUBBER CORPORATION, New York, N. Y.
Filed October 26, 1935. Serial No. 370,821. PUBLISHED MARCH 10, 1936. Class 35.

334,964. SANITARY BELTS. VENUS CORPORATION, New York, N. Y.
Filed November 2, 1935. Serial No. 371,123. PUBLISHED MARCH 10, 1936. Class 44.

334,965. SHAMPOO. AVOL LABORATORIES, Boston, Mass.
Filed November 4, 1935. Serial No. 371,138. PUBLISHED FEBRUARY 18, 1936. Class 6.

334,966. MEDICINAL PREPARATION FOR BLADDER, KIDNEY, AND PROSTATE TROUBLE. JOHN W. JACKSON, Palmetto, Fla.
Filed November 6, 1935. Serial No. 371,265. PUBLISHED MARCH 3, 1936. Class 6.

334,967. PERFUMES, TOILET WATERS, EYE LOTIONS, HAND LOTIONS, SKIN LOTIONS, AFTER SHAVING LOTIONS, FACE POWDERS, BODY POWDERS, BATH POWDERS, ETC. SOLIS, ENTRIALGO Y COMPAÑIA, Habana, Cuba.
Filed November 7, 1935. Serial No. 371,283. PUBLISHED MARCH 3, 1936. Class 6.

334,968. DEVICE FOR OPENING PACKAGES OF CIGARETTES. TER-A-PAC COMPANY, Buffalo, N. Y.
Filed January 17, 1936. Serial No. 373,813. PUBLISHED MARCH 3, 1936. Class 8.

334,969. BEER. FRANK FEHR BREWING CO., INC., Louisville, Ky.
Filed January 15, 1936. Serial No. 373,682. PUBLISHED MARCH 10, 1936. Class 48.

334,970. EMULSION OF EGG YOLK, SPIRITUOUS LIQUOR, AND OTHER INGREDIENTS. JOSEPH C. BENDER, doing business as J. C. Bender & Co. and The Noggon Company, Jersey City, N. J.
Filed January 15, 1936. Serial No. 373,666. PUBLISHED MARCH 10, 1936. Class 46.

334,971. LAXATIVE. BROOKLYN SCIENTIFIC PRODUCTS CO., INC., New York, N. Y.
Filed December 3, 1935. Serial No. 372,201. PUBLISHED MARCH 10, 1936. Class 6.

334,972. RESINS AND SOLUTIONS THEREOF FOR VARNISHES AND SIMILAR COATING COMPOSITIONS. CARBOGEN CHEMICAL COMPANY, Garwood, N. J.
Filed November 25, 1935. Serial No. 371,960. PUBLISHED MARCH 10, 1936. Class 16.

334,973. PREPARATION FOR THE RELIEF OF STOMACH, LIVER, KIDNEY, BOWEL, AND BLADDER DISORDERS, AND FOR INDIGESTION, FLU, AND GENERAL WEAKNESS. GEORGE MICHAEL, Washington, D. C.
Filed November 23, 1935. Serial No. 371,927. PUBLISHED MARCH 3, 1936. Class 6.

334,974. COFFEE. THE GRAND UNION COMPANY, New York, N. Y.
Filed November 28, 1935. Serial No. 371,919. PUBLISHED MARCH 3, 1936. Class 46.

334,975. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. S. TWITCHELL CO., Philadelphia, Pa.
Filed November 20, 1935. Serial No. 371,793. PUBLISHED MARCH 10, 1936. Class 45.

334,976. NUT CRACKING APPLIANCES CONSISTING OF A BOWL AND A NUT CRACKER MOUNTED THEREIN. HOWARTH D. BEAUMONT, doing business as Nutmaster Company, Evanston, Ill.
Filed November 15, 1935. Serial No. 371,580. PUBLISHED MARCH 10, 1936. Class 23.

334,977. WHEAT FLOUR. STATESVILLE FLOUR MILLS COMPANY, Statesville, N. C.
Filed November 13, 1935. Serial No. 371,508. PUBLISHED MARCH 10, 1936. Class 46.

334,978. NATURAL AND SYNTHETIC GUMS, RESINS, AND THE LIKE, AND COMPOUNDS THEREOF, FOR APPLICATION TO TEXTILE FABRICS AND FIBRES, BOTH NATURAL AND SYNTHETIC. SOLVOL CORPORATION, Providence, R. I.
Filed November 9, 1935. Serial No. 371,399. PUBLISHED MARCH 3, 1936. Class 6.

334,979. FRESH CITRUS FRUIT. L. V. W. BROWN ESTATE, Riverside, Calif.
Filed November 9, 1935. Serial No. 371,382. PUBLISHED MARCH 10, 1936. Class 46.

334,980. SAROUK RUGS. M. H. NAHIGIAN, INC., New York, N. Y.
Filed November 8, 1935. Serial No. 371,357. PUBLISHED MARCH 10, 1936. Class 42.

334,981. PERFUMES, TOILET WATERS, EYE LOTIONS, HAND LOTIONS, SKIN LOTIONS, AFTER SHAVING LOTIONS, FACE POWDERS, BODY POWDERS, BATH POWDERS, ETC. SOLIS, ENTRIALGO Y COMPAÑIA, Habana, Cuba.
Filed November 7, 1935. Serial No. 371,286. PUBLISHED MARCH 3, 1936. Class 6.

334,982. PERFUMES, TOILET WATERS, EYE LOTIONS, HAND LOTIONS, SKIN LOTIONS, AFTER SHAVING LOTIONS, FACE POWDERS, BODY POWDERS, BATH POWDERS, ETC. SOLIS, ENTRIALGO Y COMPAÑIA, Habana, Cuba.
Filed November 7, 1935. Serial No. 371,285. PUBLISHED MARCH 3, 1936. Class 6.

334,983. PERFUMES, TOILET WATERS, EYE LOTIONS, HAND LOTIONS, SKIN LOTIONS, AFTER SHAVING LOTIONS, FACE POWDERS, BODY POWDERS, BATH POWDERS, ETC. SOLIS, ENTRIALGO Y COMPAÑIA, Habana, Cuba.
Filed November 7, 1935. Serial No. 371,284. PUBLISHED MARCH 3, 1936. Class 6.

334,984. DISTILLED WHISKEYS. OLD DIXIE DISTILLING COMPANY, INC., Richmond, Va.
Filed January 28, 1936. Serial No. 374,205. PUBLISHED MARCH 10, 1936. Class 49.

334,985. DRY AND READY-MIXED PAINTS, VARNISHES, PAINT ENAMELS, AND FINISHING PRODUCTS—NAMELY, SHELLACS, LACQUERS, STAINS, AND POLISHES FOR WOODWORK, FURNITURE, AND FLOORS. COLFANITE PRODUCTS CO., INC., doing business as The Resynite Company, Seattle, Wash.
Filed January 29, 1936. Serial No. 374,231. PUBLISHED MARCH 10, 1936. Class 16.

334,986. DISTILLED WHISKEYS. OLD DIXIE DISTILLING COMPANY, INC., Richmond, Va.
Filed January 30, 1936. Serial No. 374,300. PUBLISHED MARCH 10, 1936. Class 49.

334,987. BOARD GAME PLAYED WITH MOVABLE PIECES. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass.
Filed February 1, 1936. Serial No. 374,380. PUBLISHED MARCH 10, 1936. Class 22.

334,988. BEER. THE CLIFFSIDE BREWING COMPANY, Cincinnati, Ohio.
Filed February 4, 1936. Serial No. 374,455. PUBLISHED MARCH 10, 1936. Class 48.

334,989. FISHING TACKLE—NAMELY, FISHING RODS, POLES, REELS, LINES, BAITS (ARTIFICIAL), LURES, HOOKS, LEADERS, SPINNERS, FLASHES, SPOONS, ETC. THE R. J. EDERER NET & TWINE CO., Baltimore, Md.
Filed February 4, 1936. Serial No. 374,458. PUBLISHED MARCH 10, 1936. Class 22.

334,990. WHISKEY. NATIONAL WHOLESALE LIQUOR CO., INC., Baltimore, Md.
Filed November 3, 1934. Serial No. 357,881. PUBLISHED DECEMBER 18, 1934. Class 49.

334,991. WHISKEY AND GIN. PARAMOUNT DISTILLING CORP., Chicago, Ill.
Filed November 21, 1934. Serial No. 358,494. PUBLISHED JUNE 4, 1935. Class 49.

334,992. PERFUMES, TOILET WATER, SKIN LOTIONS, TALCUMS, DEODORANT TALCS, BATH OILS AND BATH SALTS, FACE POWDER AND ROUGE COMPACTS, SACHETS, BRILLIANTINE AND HAIR PREPARATIONS, EAU DE COLOGNE, SKIN LOTIONS, FACE POWDERS, BATH SALTS, LIPSTICKS, ROUGES, SUNBURN PREPARATIONS. GEORGE W. BUTTON CORPORATION, New York, N. Y.
Filed November 28, 1934. Serial No. 358,718. PUBLISHED FEBRUARY 12, 1935. Class 6.

334,993. WHISKEY. MARYLAND DISTILLERS' PRODUCTS CORPORATION, Baltimore, Md.
Filed December 19, 1934. Serial No. 359,476. PUBLISHED APRIL 9, 1935. Class 49.

334,994. WHISKEY. THE WEIDEMAN CO., Cleveland, Ohio.
Filed January 14, 1935. Serial No. 360,255. PUBLISHED APRIL 23, 1935. Class 49.

334,995. TOILET BOWL CLEANERS. KIMBALL CORPORATION, doing business as Red Head Products, Inc., Cedar Rapids, Iowa.
Filed January 21, 1935. Serial No. 360,478. PUBLISHED MARCH 3, 1936. Class 4.

334,996. SHORT STOCKINGS, THE TOPS OF WHICH ARE BELOW THE KNEES. LARKWOOD SILK HOSIERY MILLS, INC., Charlotte, N. C.
Filed January 30, 1935. Serial No. 360,851. PUBLISHED MARCH 3, 1936. Class 39.

334,997. GIN, WHISKEY AND BRANDY. WOLCOTT DISTILLING COMPANY, INC., Rochester, N. Y.
Filed February 12, 1935. Serial No. 361,344. PUBLISHED APRIL 23, 1935. Class 49.

334,998. WAXED PAPER BAGS. PARAMOUNT PAPER PRODUCTS CO., INC., Philadelphia, Pa.
Filed March 9, 1935. Serial No. 362,305. PUBLISHED APRIL 16, 1935. Class 2.

334,999. CANNED VEGETABLES. A. M. BEEBE, doing business as A. M. Beebe Company, San Francisco, Calif.
Filed April 16, 1935. Serial No. 363,794. PUBLISHED MARCH 10, 1936. Class 46.

335,000. CANDY, WHEAT FLOUR, MANUFACTURES OF FLOUR OR FLOUR MIXTURES, I. E., FLOUR MIXED WITH YEAST, AND THE ADDITION OF CORNSTARCH POWDER, RAISINS, OR OTHER CONDIMENTS, SPICE FOR PASTRIES, HONEY, NATURAL AND ARTIFICIAL, CORN, WHEAT, AND RICE GRITS, ETC. DR. AUGUST OETKER, Bielefeld, Germany.
Filed April 18, 1935. Serial No. 363,940. PUBLISHED MARCH 10, 1936. Class 46.

335,001. AUTOMOBILE PISTON RINGS AND PARTS THEREOF. SKULL PISTON RING MANUFACTURING COMPANY, Los Angeles, Calif.
Filed May 1, 1935. Serial No. 364,455. PUBLISHED MARCH 10, 1936. Class 35.

335,002. SALT COD FISH. COLLINS, LEE COMPANY, Chelsea, Mass.
Filed May 9, 1935. Serial No. 364,712. PUBLISHED MARCH 10, 1936. Class 46.

335,003. WOVEN AND KNITTED TIES AND SCARFS. DAVE GROSS, Pueblo, Colo.
Filed May 9, 1935. Serial No. 364,700. PUBLISHED SEPTEMBER 24, 1935. Class 39.

335,004. WOOL YARNS. JAMES LEES & SONS COMPANY, Bridgeport, Pa.
Filed January 15, 1936. Serial No. 373,691. PUBLISHED MARCH 3, 1936. Class 43.

335,005. MYROBALAN EXTRACT USED IN THE PROCESS OF TANNING LEATHER. THE TANNIN CORPORATION, New York, N. Y.
Filed January 13, 1936. Serial No. 373,707. PUBLISHED MARCH 3, 1936. Class 6.

335,006. MEN'S AND BOYS' DRESS, NEGLIGEE, AND WORK SHIRTS, BLOUSES, POLO SHIRTS, AND UNDERWEAR. ADELPHI SHIRT CO., Allentown, Pa.
Filed January 16, 1936. Serial No. 373,713. PUBLISHED MARCH 10, 1936. Class 39.

335,007. NATURAL MINERAL WATER. BUFFALO MINERAL SPRINGS CORPORATION, Buffalo Springs, Va.
Filed January 16, 1936. Serial No. 373,721. PUBLISHED MARCH 10, 1936. Class 45.

335,008. COTTON PIECE GOODS—NAMELY, CANVAS DUCK. THE HETTRICK MANUFACTURING COMPANY, Toledo, Ohio.
Filed January 16, 1936. Serial No. 373,731. PUBLISHED MARCH 10, 1936. Class 42.

335,009. COTTON PIECE GOODS—NAMELY, CANVAS DUCK. THE HETTRICK MANUFACTURING COMPANY, Toledo, Ohio.
Filed January 16, 1936. Serial No. 373,732. PUBLISHED MARCH 10, 1936. Class 42.

335,010. POTATOES. FREDERICK C. PETERS, Goulds, Fla., assignor to F. C. Peters, Inc., Goulds, Fla.
Filed January 16, 1936. Serial No. 373,744. PUBLISHED MARCH 10, 1936. Class 46.

335,011. WINDOW WASHING AND WIPING DEVICES IN THE NATURE OF A HAND-OPERATED SQUEEGEE. SQUEE-WASH MFG. CO., Niles, Mich.
Filed May 13, 1935. Serial No. 364,892. PUBLISHED SEPTEMBER 17, 1935. Class 29.

335,012. MALT BEVERAGE WITH NOT MORE THAN THE LEGAL ALCOHOLIC CONTENT. THE BUCKEYE BREWING COMPANY, Toledo, Ohio.
Filed May 12, 1933. Serial No. 337,729. PUBLISHED JULY 11, 1933. Class 48.

335,013. COMBINED RUBBER AND FABRIC HOSE. L. J. LANGDON, doing business as Gulf Supply Company, Houston, Tex.
Filed July 3, 1933. Serial No. 339,465. PUBLISHED MARCH 10, 1936. Class 35.

335,014. MEDICINE TABLETS FOR THE RELIEF OF PAIN, COLDS, AND THE LIKE. PRESCRIPTION LABORATORIES INC., Detroit, Mich.
Filed October 28, 1933. Serial No. 343,006. PUBLISHED MARCH 10, 1936. Class 6.

335,015. CANNED SALMON, CLAMS, CLAM JUICE, SARDINES, OYSTERS, CONDENSED MILK, EVAPORATED MILK, MACARONI, VERMICELLI, SPAGHETTI, MOLASSES, TABLE SUGAR-SYRUP, AND HOMINY. FRANKLIN MACVEAGH AND COMPANY, Chicago, Ill.
Filed April 21, 1934. Serial No. 344,587. PUBLISHED MARCH 10, 1936. Class 46.

335,016. PERFUMES. JULES V. RIVIERE PERFUMES, INC., New York, N. Y.
Filed December 19, 1933. Serial No. 345,123. PUBLISHED APRIL 17, 1934. Class 6.

335,017. BRANDY. JOSEPH BECK SONS, INC., New York, N. Y.
Filed January 30, 1934. Serial No. 346,729. PUBLISHED MARCH 13, 1934. Class 49.

335,018. COCOA, BAKING CHOCOLATE, MARSHMALLOW CREAM, BAKING POWDER, AND SPICES. K. B. CHOCOLATE COMPANY, doing business as Big Master Cocoa Company, Bay City, Mich.
Filed February 9, 1934. Serial No. 347,183. PUBLISHED MARCH 10, 1936. Class 46.

335,019. WINES. K. ARAKELIAN, INC., Madera, Calif.
Filed March 5, 1934. Serial No. 348,157. PUBLISHED MAY 1, 1934. Class 47.

335,020. STARTING MOTORS AND GENERATORS, DYNAMOTORS, SPARK PLUGS, WIRING HARNESS, AND PARTS THEREOF. ECLIPSE AVIATION CORPORATION, East Orange, N. J.
Filed March 8, 1934. Serial No. 348,321. PUBLISHED JUNE 12, 1934. Class 21.

335,021. CHEMICAL POWDERED PRODUCT FOR THE DE-ODORIZATION, DE-COLORIZATION, FILTRATION, AND CLARIFICATION OF GASOLINE, NAPHTHA, AND SOLVENTS. THE FLA-TEX PRODUCTS COMPANY, Flatonia, Tex.
Filed August 28, 1935. Serial No. 368,773. PUBLISHED MARCH 3, 1936. Class 6.

335,022. PREPARATION FOR USE AS A HAIR TONIC AND HAIR DRESSING. VALVOLINE OIL COMPANY, Cincinnati, Ohio, and New York, N. Y.
Filed October 8, 1935. Serial No. 370,158. PUBLISHED MARCH 3, 1936. Class 6.

335,023. SOCKETS FOR ELECTRIC VACUUM TUBES. CINCH MANUFACTURING CORPORATION, Chicago, Ill.
Filed October 9, 1935. Serial No. 370,172. PUBLISHED MARCH 10, 1936. Class 21.

335,024. ALCOHOL BEVERAGE OF THE CHINESE TYPE KNOWN AS NG KA PY. WONG SEWAI, doing business as Wing Lee Wai Company, San Francisco, Calif.
Filed January 27, 1936. Serial No. 374,165. PUBLISHED MARCH 10, 1936. Class 49.

335,025. MEN'S COATS, SUITS AND OVERCOATS. MEYERS-SEEMAN CO., INC., Buffalo, N. Y.
Filed October 10, 1935. Serial No. 370,221. PUBLISHED MARCH 3, 1936. Class 39.

335,026. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, CLEANSING CREAMS, OBESITY CREAMS, ETC. MAISON JOUBERT, INC., New York, N. Y.
Filed June 21, 1935. Serial No. 366,479. PUBLISHED MARCH 3, 1936. Class 6.

335,027. GAS ADMINISTERING APPARATUS AND PARTS THEREOF. MARTHA F. MCKESSON, doing business as McKesson Appliance Co., Toledo, Ohio.
Filed July 17, 1935. Serial No. 367,407. PUBLISHED MARCH 10, 1936. Class 44.

335,028. COFFEE, WHEAT FLOUR, CORN MEAL, DAIRY FEED, POULTRY FEED, APPLE BUTTER, FRUIT PRESERVES, AND JELLIES OF ALL FRUIT FLAVORS. GENERAL STORES, INCORPORATED, Beckley, W. Va.
Filed July 20, 1935. Serial No. 367,501. PUBLISHED MARCH 10, 1936. Class 46.

335,029. MEN'S AND YOUNG MEN'S SUITS, OVERCOATS, AND TOPCOATS. JACOBS TAILORED CLOTHES, INC., Philadelphia, Pa.
Filed July 27, 1935. Serial No. 367,762. PUBLISHED OCTOBER 22, 1935. Class 39.

335,030. HANDBAGS. ENTERPRISE ACCESSORIES, INC., Greenfield, Mass.
Filed December 18, 1935. Serial No. 372,764. PUBLISHED MARCH 3, 1936. Class 3.

335,031. PUFFED RICE AND PUFFED WHEAT. TASTY BAKING COMPANY, Philadelphia, Pa.
Filed December 18, 1935. Serial No. 372,793. PUBLISHED MARCH 10, 1936. Class 46.

335,032. TEXTILE FABRICS—NAMELY, SILK, RAYON AND ACETATE PIECE GOODS, BOTH PRINTED AND PLAIN. MARTIN WEINER, doing business as Martin Weiner Co., New York, N. Y.
Filed December 18, 1935. Serial No. 372,802. PUBLISHED MARCH 3, 1936. Class 42.

335,033. FACE AND HAND LOTION. BETTER DRUG PRODUCTS, INC., Tulsa, Okla.
Filed December 18, 1935. Serial No. 372,803. PUBLISHED MARCH 3, 1936. Class 6.

335,034. WETTING OUT AGENTS (SURFACE TENSION DEPRESSANTS). AMERICAN ANILINE PRODUCTS, INC., New York, N. Y.
Filed December 19, 1935. Serial No. 372,804. PUBLISHED MARCH 3, 1936. Class 6.

335,035. DYESTUFFS. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y.
Filed December 19, 1935. Serial No. 372,806. PUBLISHED MARCH 3, 1936. Class 6.

335,036. SPECTACLES, TELESCOPE SIGHTS, LEVELLING APPARATUS, THEODOLITES, SIGHTS, FIELD-GLASSES, OPERA-GLASSES, TELESCOPES, PERISCOPES, SEXTANTS, PHOTOGRAPHIC CAMERAS, APPARATUS FOR PROJECTING STILL PICTURES, APPARATUS FOR PROJECTING MOVING PICTURES, AND FILMS FOR PICTURES AND FOR COMBINATIONS OF PICTURES AND SOUND. DEGEA AKTIENGESELLSCHAFT (AUERGESELLSCHAFT), Berlin, Germany.
Filed September 1, 1934. Serial No. 355,665. PUBLISHED MARCH 10, 1936. Class 26.

335,037. LAXATIVE PREPARATION IN JELLY FORM. MARTIN S. WASSERMAN, doing business as Lax-O-Jell Products Co., Yonkers, N. Y.
Filed July 12, 1934. Serial No. 353,830. PUBLISHED SEPTEMBER 25, 1934. Class 6.

335,038. PERFUMES. JULES V. RIVIERE PERFUMES, INC., New York, N. Y.
Filed December 19, 1933. Serial No. 345,124. PUBLISHED APRIL 17, 1934. Class 6.

335,039. TOOTHPOWDER. CARL C. KING, doing business as King Products Company, Van Wert, Ohio.
Filed January 24, 1936. Serial No. 374,051. PUBLISHED MARCH 10, 1936. Class 6.

335,040. WHISKEY. SILVER SWAN LIQUOR CORPORATION, San Francisco, Calif.
Filed January 25, 1936. Serial No. 374,086. PUBLISHED MARCH 10, 1936. Class 49.

335,041. WHISKEY. CLARK'S, INC., Washington, D. C.
Filed January 23, 1936. Serial No. 374,113. PUBLISHED MARCH 10, 1936. Class 49.

335,042. READY MIXED PAINTS AND PAINT ENAMEL. CAMEL LEAD COLOR & CHEMICAL PRODUCTS MFG. CORP., Brooklyn, N. Y.
Filed January 27, 1936. Serial No. 374,125. PUBLISHED MARCH 10, 1936. Class 16.

335,043. LINER DISCS FOR CLOSURES. CROWN CORK & SEAL COMPANY, INC., Baltimore, Md.
Filed December 18, 1935. Serial No. 372,763. PUBLISHED MARCH 3, 1936. Class 50.

335,044. MEDICINES FOR FEMALE COMPLAINTS. DR. RICHARDS ASSOCIATION, INC., doing business as Dr. Grant's Laboratories, Norwalk, Conn.
Filed December 17, 1935. Serial No. 372,719. PUBLISHED MARCH 3, 1936. Class 6.

335,045. CHEMICAL PREPARATION FOR COATING PLIABLE SHEETS AND SOLIDS TO MAKE SAME WATER AND AIR PROOF. JACOB W. GEIGER, New York, N. Y.
Filed December 18, 1935. Serial No. 372,765. PUBLISHED MARCH 3, 1936. Class 6.

335,046. PILE FABRICS. HOWLETT & HOCKMEYER CO. INC., New York, N. Y.
Filed December 17, 1935. Serial No. 372,754. PUBLISHED MARCH 10, 1936. Class 42.

335,047. MEN'S, WOMEN'S, AND CHILDREN'S UNDERWEAR. LUXURAY, INC., New York, N. Y.
Filed December 17, 1935. Serial No. 372,729. PUBLISHED MARCH 3, 1936. Class 39.

335,048. MEDICAL PREPARATION, FOR EXTERNAL USE, RECOMMENDED FOR THE TREATMENT OF HEMORRHOIDS. ONORE AND AMOROCCHI, Weirton, W. Va.
Filed December 12, 1935. Serial No. 372,567. PUBLISHED MARCH 3, 1936. Class 6.

335,049. MEDICINE TO RELIEVE COLDS, INFLUENZA, AND CHRONIC CATARRH. OTTO HOFFMANN, Brooklyn, N. Y.
Filed December 11, 1935. Serial No. 372,516. PUBLISHED MARCH 10, 1936. Class 6.

335,050. ELECTRIC SWITCH HANDLES, ELECTRICAL OUTLETS, SWITCH PLATES, OUTLET PLATES, AND COVER PLATES. THE ARROW-HART & HEGEMAN ELECTRIC COMPANY, Hartford, Conn.
Filed December 11, 1935. Serial No. 372,501. PUBLISHED MARCH 3, 1936. Class 21.

335,051. VEGETABLE TONIC AND LAXATIVE. FELIX WUNDERMAN, doing business as Wunder Tone Co., New York, N. Y.
Filed December 10, 1935. Serial No. 372,496. PUBLISHED MARCH 10, 1936. Class 6.

335,052. PREPARATION FOR USE AS A SURGICAL DRESSING. WOOD LABORATORIES, INC., Chicago, Ill.
Filed December 10, 1935. Serial No. 372,495. PUBLISHED MARCH 3, 1936. Class 6.

335,053. SUITS AND OVERCOATS FOR THE USE OF MEN, WOMEN, AND BOYS. FINLAY STRAUS, INC., New York, N. Y.
Filed December 10, 1935. Serial No. 372,468. PUBLISHED MARCH 3, 1936. Class 39.

335,054. DIAMONDS AND ARTICLES OF JEWELRY SET OR MOUNTED WITH DIAMONDS, NOT INCLUDING WATCHES. FINLAY STRAUS, INC., New York, N. Y.
Filed December 10, 1935. Serial No. 372,467. PUBLISHED MARCH 3, 1936. Class 28.

335,055. SUITS AND OVERCOATS FOR THE USE OF MEN, WOMEN, AND BOYS. FINLAY STRAUS, INC., New York, N. Y.
Filed December 10, 1935. Serial No. 372,465. PUBLISHED MARCH 3, 1936. Class 39.

335,056. WOOD-WORKING AND METAL-WORKING MACHINES, TOOLS, AND APPARATUS—NAMELY, BENCH SAWS, BAND SAWS, SCROLL SAWS, JIG SAWS, DRILL PRESSES, ETC. DURO METAL PRODUCTS COMPANY, Chicago, Ill.
Filed December 9, 1935. Serial No. 372,406. PUBLISHED MARCH 10, 1936. Class 23.

335,057. LADIES' AND MISSES' COATS. HARRY ZIMET, doing business as Zimray, New York, N. Y.
Filed December 5, 1935. Serial No. 372,296. PUBLISHED MARCH 3, 1936. Class 39.

335,058. NONALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS. DR. PEPPER BOTTLING COMPANY, INC., New Orleans, La.
Filed December 5, 1935. Serial No. 372,285. PUBLISHED MARCH 10, 1936. Class 45.

335,059. MEDICINAL POWDERS, TABLETS, JELLIES, AND EMULSIONS TO BE TAKEN INTERNALLY FOR USE AS A LAXATIVE, ANTACID, AND DETOXICANT. SAMUEL LOSEFF, doing business as Al-Ka-Gel Laboratories, Chicago, Ill.
Filed December 5, 1935. Serial No. 372,265. PUBLISHED MARCH 10, 1936. Class 6.

335,060. SEMI-LIQUID OR CREAM JELLIES TO BE TAKEN INTERNALLY AND AS RECTAL ENEMAS FOR USE AS AN ABSORBENT ANTACID, DEMULCENT, AND MILD ASTRINGENT. SAMUEL LOSEFF, doing business as Al-Ka-Gel Laboratories, Chicago, Ill.
Filed December 5, 1935. Serial No. 372,264. PUBLISHED MARCH 10, 1936. Class 6.

335,061. MEN'S AND BOYS' CLOTHING—NAMELY, TROUSERS, BREECHES, OVERALLS, AND JACKETS. MORRIS HARRIS, doing business as Union Manufacturing Co., Los Angeles, Calif.
Filed December 4, 1935. Serial No. 372,245. PUBLISHED MARCH 10, 1936. Class 39.

335,062. PUBLICATION. HUGO GERNSBACK, New York, N. Y.
Filed December 4, 1935. Serial No. 372,241. PUBLISHED MARCH 3, 1936. Class 38.

335,063. NON-FERROUS METALS AND NON-FERROUS METAL ALLOYS. THE RIVERSIDE METAL COMPANY, Riverside, N. J.
Filed January 14, 1936. Serial No. 373,647. PUBLISHED MARCH 3, 1936. Class 14.

335,064. FRESH CELERY. CHULA VISTA VEGETABLE EXCHANGE, Chula Vista, Calif.
Filed January 13, 1936. Serial No. 373,596. PUBLISHED MARCH 10, 1936. Class 46.

335,065. LADIES' HAND BAGS. NAT. GREENBAUM BAG CO., INC., New York, N. Y.
Filed January 14, 1936. Serial No. 373,637. PUBLISHED MARCH 3, 1936. Class 3.

335,066. FINGER RINGS AND MOUNTINGS THEREFOR. THE LOCKHART WEDDING RING CO., INC., New York, N. Y.
Filed January 13, 1936. Serial No. 373,609. PUBLISHED MARCH 3, 1936. Class 28.

335,067. WRAPPING PAPER. FLETCHER PAPER COMPANY, Alpena, Mich.
Filed January 13, 1936. Serial No. 373,604. PUBLISHED MARCH 3, 1936. Class 37.

335,068. WRAPPING PAPER. FLETCHER PAPER COMPANY, Alpena, Mich.
Filed January 13, 1936. Serial No. 373,603. PUBLISHED MARCH 3, 1936. Class 37.

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

[ACT OF MARCH 19, 1920, SEC. 1 (b)]

335,069. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE NATURE FRIEND INC., New York, N. Y. Filed Mar. 30, 1936. Serial No. 376,602.

"SUREGRIP"

For Perches, Trays, and Other Appliances for Canary Cages.
Claims use since April, 1932.

335,070. (CLASS 25. LOCKS AND SAFES.) THE SLAYMAKER LOCK CO., Lancaster, Pa. Filed Mar. 26, 1936. Serial No. 376,452.

FIVE DISC Cylinder MADE IN U.S.A.

For Locks and More Particularly for Padlocks.
Claims use since May 18, 1934.

335,071. (CLASS 39. CLOTHING.) LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y. Filed Jan. 7, 1936. Serial No. 373,423.

The Brazilian

For Men's Topcoats.
Claims use since March, 1935.

335,072. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE EUCLID COFFEE CO., Cleveland, Ohio. Filed Jan. 7, 1936. Serial No. 373,410.

HOT-PAK

For Coffee.
Claims use since May 1, 1933.

335,073. (CLASS 39. CLOTHING.) AETNA SHIRT COMPANY, Baltimore, Md. Filed Oct. 30, 1935. Serial No. 370,982.

MIAMIAN

For Men's and Boys' Outer Shirts Including Polo Shirts and Sport Shirts.
Claims use since January, 1935.

335,074. (CLASS 48. MALT BEVERAGES AND LIQUORS.) WHITBREAD AND COMPANY, LIMITED, London, England. Filed Oct. 25, 1935. Serial No. 370,817.

"DOUBLE BROWN"

For Ale.
Claims use since Nov. 5, 1926.

335,075. (CLASS 31. FILTERS AND REFRIGERATORS.) HUSSMANN-LIGONIER COMPANY, St. Louis, Mo. Filed Oct. 7, 1935. Serial No. 370,100.

GRUENDLER

For Refrigerators and Refrigerating Units for the Preservation of Foodstuffs.
Claims use since Jan. 1, 1923.

335,076. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARL ALBERS, Brooklyn, N. Y. Filed Oct. 5, 1935. Serial No. 370,033.

MEDICO RUB

For a Medicinal Preparation for the Relief of Rheumatic Pains, Strains, Colds, and for Use in Any Condition Where a Medicated Liniment is Prescribed.
Claims use since September, 1932.

335,077. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS.) ARMSTRONG STOVE AND MANUFACTURING COMPANY, Perryville, Md. Filed June 15, 1935. Serial No. 366,223.

WABASH

For Coal, Wood, Coke, Oil, and Gas Burning Ranges and Furnaces and Boilers Employing Similar Fuels.
Claims use since Jan. 1, 1905.

335,078. (CLASS 39. CLOTHING.) CONN'S CLOTHES SHOP, Detroit, Mich. Filed May 13, 1935. Serial No. 364,860.

Balfour CLOTHES sold exclusively by CONN'S

For Men's Suits, Overcoats, and Topcoats.
Claims use since Mar. 14, 1935.

335,079. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BAILEY METER COMPANY, Cleveland, Ohio. Filed Mar. 27, 1935. Serial No. 363,031.

BAILEY METER

For Measuring, Controlling, and Regulating Instruments, Systems, and Apparatus Including, Among Others Recorders and Indicators of Fluid Flow and Conditions Pertinent to Fluids Such as Level, Temperature, Pressure, Etc., Remote Recording, Indicating, Integrating, Telemetering and the Like Instruments, Systems, and Apparatus—Such Comprehensive Instruments, Systems, and Apparatus Being Used in the Operation of Non-Electric Fower-Producing and Utilizing Installations.
Claims use since Feb. 2, 1933, on control and regulating systems; since June 5, 1933, on recorders and indicators of fluid flow and conditions pertinent to fluids, such as level, temperature, pressure, etc.; remote recording, indicating, integrating, and telemetering.

335,080. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) D. C. JULIAN, Huntington Park, Calif. Filed Mar. 25, 1935. Serial No. 362,963.

DAILY DIET

For Dog and Cat Food.
Claims use since Feb. 20, 1935.

335,081. (CLASS 48. MALT BEVERAGES AND LIQUORS.) LOS ANGELES BREWING CO., Los Angeles, Calif. Filed Feb. 23, 1935. Serial No. 361,753.

HOLLYWOOD

For Beer.
Claims use since Feb. 2, 1935.

335,082. (CLASS 2. RECEPTACLES.) MASTER METAL PRODUCTS, INC., Buffalo, N. Y. Filed Oct. 20, 1934. Serial No. 357,342.

NIAGARA

For Utility Chests or Boxes Made of Base Metal.
Claims use since June 1, 1934.

335,083. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) KWIK PRODUCTS COMPANY, San Antonio, Tex. Filed June 12, 1934. Serial No. 352,585.

THE KWIK WAY

For Automobile and Furniture Polish.
Claims use since Nov. 2, 1932.

TRADE-MARK REGISTRATIONS RENEWED

13,147. LAGER BEER. Registered March 30, 1886. THE PETER SCHOENHOFEN BREWING COMPANY. Re-renewed March 30, 1936, to Schoenhofen Edelweiss Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

13,148. LAGER BEER. Registered March 30, 1886. THE PETER SCHOENHOFEN BREWING COMPANY. Re-renewed March 30, 1936, to Schoenhofen Edelweiss Company, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

109,243. AUTOMOBILES, AUTOMOBILE TRUCKS, TRAILERS, AND PARTS THEREOF, NOT INCLUDING ENGINES. Registered March 28, 1916. THE WILLYS-OVERLAND CO., Toledo, Ohio, a corporation of Ohio. Renewed March 28, 1936.

109,324. CANNED SARDINES, HERRING IN TOMATO SAUCE, KIPPERED HERRING, SOUSED MACKEREL, AND FRESH MACKEREL. Registered March 28, 1916. J. S. MCKENZIE & COMPANY, INC. Renewed March 28, 1936, to J. S. McKenzie Company, Inc., New York, N. Y., a corporation of New York, successor.

109,444. A CREAM FONDANT USED IN MAKING ICING FOR CAKES, FUDGES, AND OTHER CONFECTIONS. Registered April 11, 1916. BURGESS SUPPLY CO., INC., New York, N. Y., a corporation of New York. Renewed April 11, 1936.

110,065. CANNED SALMON. Registered May 2, 1916. BOOTH FISHERIES COMPANY. Renewed May 2, 1936, to Booth Fisheries Corporation, Chicago, Ill., a corporation of Delaware, assignee.

110,393. CANNED SALMON, CANNED LOBSTER, CANNED SARDINES, SMOKED FISH, AND SALT FISH. Registered May 23, 1916. BOOTH FISHERIES COMPANY. Renewed May 23, 1936, to Booth Fisheries Corporation, Chicago, Ill., a corporation of Delaware, assignee.

111,924. ORANGES AND LEMONS. Registered August 15, 1916. BRADBURY ESTATE COMPANY, Los Angeles, Calif. Renewed August 15, 1936, to Santiago Orange Growers Association, Orange, Calif., a corporation of California, assignee.

112,069. ORANGES AND GRAPE-FRUIT. Registered August 22, 1916. SAN DIMAS ORANGE GROWERS ASSOCIATION, San Dimas, Calif., a corporation of California. Renewed August 22, 1936.

112,153. WRAPPING-PAPER. Registered August 22, 1916. BERLIN MILLS COMPANY, Portland, Maine. Renewed August 22, 1936, to Brown Company, Portland, Maine, and Berlin, N. H., a corporation of Maine, by change of name.

112,236. CANDY. Registered August 22, 1916. UNITED DRUG COMPANY. Renewed August 22, 1936, to United Drug Company, Boston, Mass., a corporation of Delaware, assignee.

112,283. CANNED FRUITS. Registered August 29, 1916. HUNT BROTHERS COMPANY. Renewed August 29, 1936, to Hunt Brothers Packing Company, San Francisco, Calif., a corporation of Delaware, assignee by mesne assignments.

112,529. WHISKY. Registered September 12, 1916. MEYER, PITTS & CO. Renewed September 12, 1936, to Standard Distillers Products, Inc., Baltimore, Md., a corporation of Maryland, assignee.

112,577. COLD-CREAM, PERFUME, COMPLEXION-POWDER, TOOTH-PASTE, AND TOILET WATER. Registered September 12, 1916. UNITED DRUG COMPANY. Renewed September 12, 1936, to United Drug Company, Boston, Mass., a corporation of Delaware, assignee.

112,737. GLASSWARE FOR CHEMICAL LABORATORIES—NAMELY, FLASKS AND BEAKER-GLASSES. Registered September 19, 1916. WHITALL TATUM COMPANY, Millville, N. J., Philadelphia, Pa., and New York, N. Y. Renewed September 19, 1936, to Whitall Tatum Company, Millville, N. J., and New York, N. Y., a corporation of New Jersey.

112,767. CERTAIN NAMED BACTERIOLOGICAL PRODUCTS. Registered September 26, 1916. DIGESTIVE FERMENTS CO. Renewed September 26, 1936, to Difco Laboratories Incorporated, Detroit, Mich., a corporation of Michigan, by change of name.

112,798. A NON-ALCOHOLIC CARBONATED BEVERAGE AND SYRUP FOR MAKING THE SAME. Registered September 26, 1916. THE WELCH GRAPE JUICE COMPANY, Westfield, N. Y., as assignee of Nussbaum Bros., Bainbridge, Ga. Renewed September 26, 1936, to The Welch Grape Juice Company, Westfield, N. Y., a corporation of New York, assignee.

LABELS

REGISTERED MAY 19, 1936

47,482.—*Title:* COLLECTOR'S GROUP. For Furniture. CHARAK FURNITURE COMPANY, Boston, Mass. Published June 1, 1935.

47,483.—*Title:* SUNNY MIST (BOX END). For Canned Grapefruit. FLORIDA CITRUS CANNERS COOPERATIVE, Lake Wales, Fla. Published January 2, 1936.

47,484.—*Title:* JOSEPH J. KIDDER'S KOATSAL PERFECTS LUBRICATION. For a Preparation to Be Added to Oils and Greases for Perfecting Lubrication in Internal Combustion Engines. KIDDER OIL COMPANY, La Crosse, Wis. Published October 26, 1935.

47,485.—*Title:* VEG-ALL. For Canned Mixed Vegetables. THE LARSEN COMPANY, Green Bay, Wis. Published December 23, 1935.

47,486.—*Title:* LIPTON EIGHT ONE CUP-INDIVIDUAL TEA BAGS (YELLOW AND RED). For Tea Bags. THOMAS J. LIPTON, INC., Hoboken, N. J.; Chicago, Ill.; and San Francisco, Calif. Published September 15, 1935.

47,487.—*Title:* LIPTON'S ORANGE PEKOE & PEKOE TEA (YELLOW AND RED). For Tea Balls. THOMAS J. LIPTON, INC., Hoboken, N. J.; Chicago, Ill.; and San Francisco, Calif. Published September 15, 1935.

47,488.—*Title:* AVALLO. For Imported Olive Oil. POMPEIAN OLIVE OIL CORPORATION, doing business as Scelta Olive Oil Company, Baltimore, Md. Published January 21, 1936.

47,489.—*Title:* "MILK & DARK". For Chocolates. F. H. ROBERTS COMPANY, Cambridge, Mass. Published May 1, 1935.

47,490.—*Title:* MOR-LAC. For Stock Tonic. CHARLES E. SCHINDLER, Coldwater, Ohio. Published January 12, 1936.

PRINTS

REGISTERED MAY 19, 1936

15,706.—*Title:* JOSEPH K. KIDDER'S KOATSAL, MAKES MOTORS RUN FASTER, SMOOTHER, LONGER ON LESS GAS & OIL. For a Preparation to Be Added to Oils and Greases for Perfecting Lubrication in Internal Combustion Engines. KIDDER OIL COMPANY, La Crosse, Wis. Published October 26, 1935.

15,707.—*Title:* NEW ENGLAND COKE. For Automatic Heat Regulators. NEW ENGLAND COKE COMPANY, Boston, Mass. Published February 21, 1936.

19,971
METHOD OF CURING HAY
Everett B. Cushman, San Jose, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
No Drawing. Original No. 1,816,998, dated August 4, 1931, Serial No. 227,866, October 21, 1927. Application for reissue June 17, 1935, Serial No. 27,123
3 Claims. (Cl. 99—8)

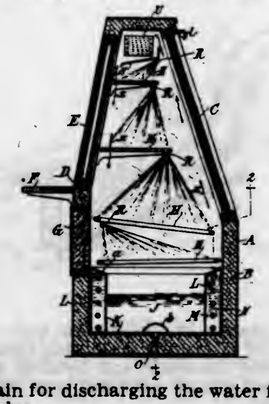
1. The method of curing hay such as alfalfa comprising the steps of reaping, then immediately passing the freshly reaped plants in their whole condition through crushing rolls to crush said plants through substantially their whole length to distribute the juices of the plant cells thereover, then spreading said crushed plants upon the ground for sun or atmospheric curing and then gathering the dried plants.

19,972
HAIR WAVING PAD
Ralph L. Evans, New York, N. Y., assignor to Zotos Corporation, New York, N. Y., a corporation of New York
Original application January 21, 1932, Serial No. 587,890. Divided and application May 6, 1932, Serial No. 609,755. Patent No. 1,875,228, dated August 30, 1932. This application for reissue April 4, 1933, Serial No. 664,373
13 Claims. (Cl. 132—36.2)

13. A hair waving pad comprising, a flexible metallic container, a chemical therein, adapted to produce heat when contacted with moisture, means to apply moisture to the chemical, and a metallic flap projecting at one edge of the container and adapted to be folded thereover.

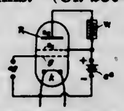
19,973
REFRIGERATING APPARATUS AND PROCESS
Howard L. Forman, Kitchawan, N. Y.
Original No. 1,908,968, dated May 16, 1933, Serial No. 630,349, August 25, 1932. Application for reissue January 2, 1934, Serial No. 705,005
26 Claims. (Cl. 62—104)

17. A refrigerating display case having a support for the articles to be preserved, a chill coil, a sprinkling device for showering a cooling liquid upon such articles, a water supply pipe for said sprinkling device, refrigerating means for cooling the chill coil and the water in said supply pipe,



and a drain for discharging the water falling from said articles.

19,974
ELECTRON TUBE
Joseph Massolle, Gros-Glienicke, near Cladow, Berlin, Hans Vogt, Berlin-Dahlem, and Josef Engl, Berlin-Schmargendorf, Germany, assignors, by mesne assignments, to American Tri-Ergon Corporation, New York, N. Y., a corporation of New York
Original No. 1,587,786, dated June 8, 1926, Serial No. 458,635, April 4, 1921. Application for reissue April 16, 1934, Serial No. 720,870. In Germany December 2, 1919
14 Claims. (Cl. 250—27)

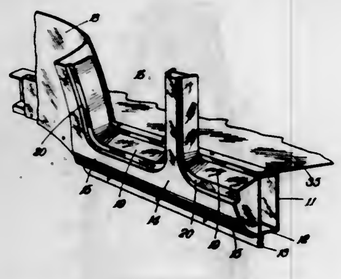


1. In electron discharge tubes, the combination of a vacuous tube having plate, grid and filament, and anode screening means located between said plate and filament and having openings through which the plate current passes, an input circuit connected to the grid and filament, a source of potential, and connections therefrom to the plate, filament and screening means, including greater resistance between said source and plate than between said source and screening means, so as to impose a greater potential difference between said screening means and filament than between said plate and filament, said tube having a positive effective internal resistance between plate and filament.

19,975
VEHICLE
William Swallow, Headington, Oxford, England, assignor to Pressed Steel Company Limited, Cowley, Oxford, England, a British company
Original No. 2,012,057, dated August 20, 1935, Serial No. 752,747, November 12, 1934. Application for reissue March 6, 1936, Serial No. 67,563. In Great Britain November 10, 1933
16 Claims. (Cl. 296—28)

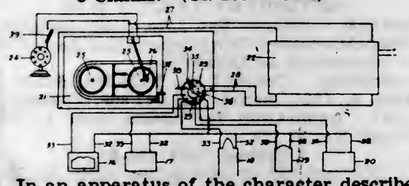
1. In a vehicle construction, a body comprising a unitary outer side panel formed in its lower

margins with threshold portions including a downwardly extending outer wall from the threshold portions and a longitudinally extending sill plate reinforcing said threshold portions, said threshold portions and sill plate being of a vertical depth extending when assembled to the bot-



tom of the chassis, in combination with a chassis sill member of outwardly presenting channel section assembled therewith and forming with said sill plate a box section combined body and chassis sill structure.

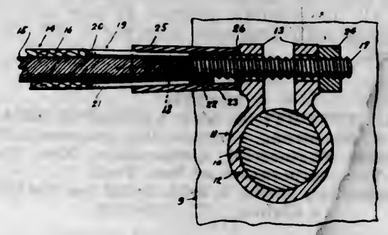
19,976
PUBLICITY APPARATUS
William H. Chadwick, Chicago, Ill.
Original No. 1,842,895, dated January 26, 1932, Serial No. 436,413, March 17, 1930. Application for reissue June 12, 1933, Serial No. 675,403
5 Claims. (Cl. 179—100.4)



1. In an apparatus of the character described, in combination, an automatic phonograph for operation on a plurality of records containing sales talks or other publicity matter, an amplifier connected with the phonograph, a distributor connected with the amplifier, a plurality of loud speakers connected with the distributor, and means operable upon changing records for causing the distributor to automatically connect each of the loud speakers one or more at a time with the phonograph through the amplifier whereby to reproduce different matter through different loud speakers.

PATENTS
GRANTED MAY 19, 1936

2,040,817
CABLE TERMINAL
August Aumer, Buffalo, N. Y.
Application May 15, 1933, Serial No. 671,232
Renewed November 23, 1934
3 Claims. (Cl. 173—259)



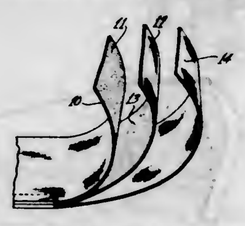
1. In a structure of the class described, a conductor cable embodying a wire core and an insulation covering therefor, the covering terminating short of one end of the core, a screw threaded stud having a pointed head embedded in said projecting end of the core, a tapered longitudinally slit bushing having a screw threaded collar at one end, said collar being threaded on the stud into abutting relationship with the core, a frusto-conical binding sleeve fitting over said collar and slitted portion of the bushing, together with a split ring post clamp having apertured eyes, the free end portion of the stud extending through and beyond the eyes, and a nut on the extreme outer end of said stud, said nut serving to simultaneously move the eyes toward each other to secure the clamp in place and at the same time to longitudinally adjust said bushing relative to said sleeve to bind the bushing firmly into clamping contact with said core.

2,040,818
COATED DIATOMACEOUS EARTH PRODUCT AND METHOD OF MAKING THE SAME
Marion S. Badollet, Fanwood, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
No Drawing. Application July 29, 1932, Serial No. 626,207
9 Claims. (Cl. 210—203)

9. A pulverulent composition adapted for use in filtering a liquid comprising particles predominantly in discrete form, and an organic coating thereon that is insoluble in and not softened by the said liquid.

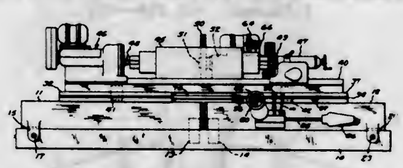
2,040,819
FABRIC STRUCTURE AND TREATMENT
Jules Bebie and George L. Doelling, St. Louis, Mo., assignors to Rice-Stix Dry Goods Co., St. Louis, Mo., a corporation of Missouri
Application April 24, 1933, Serial No. 667,542
3 Claims. (Cl. 91—68)

2. A treated textile including a layer of cloth and a film carried by said cloth, said film including a base of a cellulose ether, a water-white plasticizer therefor comprising the condensation product of formaldehyde and toluene sulfonamid



of amount approximating 4% by weight of the said base, and a white mineral filler.

2,040,820
ROLL GRINDING MACHINE
Albert G. Belden and Herbert J. Griffing, Worcester, Mass., assignors to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application January 14, 1936, Serial No. 59,008
7 Claims. (Cl. 51—95)

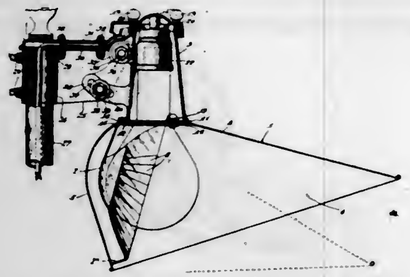


1. A roll grinding machine having a rotatable grinding wheel and a rotatable work support which are movable longitudinally relative to each other, means to cause said wheel and work support to move transversely relative to each other, and means to move one of said elements in an arcuate path to grind a predetermined crown on the periphery of the work piece including a table to rotatably support one of said elements, a pair of spaced angularly arranged longitudinally movable tables, pivotal connections between said longitudinally movable tables and the ends of said first table, means to synchronously reciprocate said tables to cause a relative reciprocation between the wheel and work support, and adjustable supports for each of said longitudinally movable tables.

2,040,821
FLOODLIGHT
Reuben B. Benjamin, Chicago, Ill., assignor to Benjamin Electric Mfg. Company, Des Plaines, Ill., a corporation of Illinois
Continuation of application Serial No. 452,233, May 14, 1930. This application May 11, 1933, Serial No. 670,410
25 Claims. (Cl. 240—3)

1. A lighting construction comprising a concave reflector open at one side for emitting a beam of light, a housing hood extending upwardly from said reflector and having a cap portion thereon, said hood being formed with two opposite sides extending above the remainder of the top thereof to form a fulcrum on which the

cap portion pivots, a socket in said hood attached to said cap portion for supporting a lamp to extend downwardly into said reflector, and means for pivoting said cap portion, whereby to



adjust the position of said lamp with respect to said reflector.

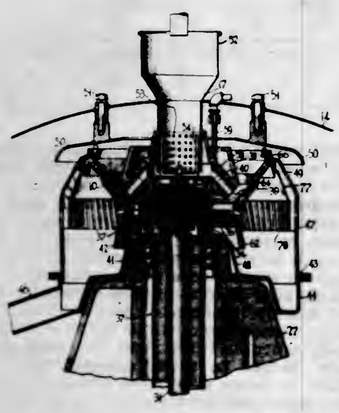
2,040,822

MACHINE AND METHOD FOR SEPARATING SOLIDS FROM LIQUIDS

Nathaniel Brewer, Lansdowne, Pa., assignor to The Sharples Specialty Company, Philadelphia, Pa., a corporation of Delaware

Application August 31, 1932, Serial No. 631,180

9 Claims. (Cl. 210—69)



1. In a machine for separating liquids from solids, a centrifugal rotor including a conically extending strainer section in which a preliminary separation of the constituents is adapted to take place during the feed of a slurry of solids and liquids longitudinally therethrough toward the portion of larger diameter under the influence of centrifugal force, a second section of opposite conicity with respect to said first named section beyond the larger end of said first named section adapted to retard the feed of slurry longitudinally of said first named section, means located adjacent said section of opposite conicity for rinsing partially dried solids during their passage through the rotor, and a third conically extending section having a conicity similar to that of said first named section beyond said second named section, said third conically extending section being perforated to allow liquid to pass therethrough.

2,040,823

PRODUCTION OF TITANIUM DIOXIDE

Benjamin Wilson Allan, Baltimore, Md.

No Drawing. Application June 22, 1934, Serial No. 731,998

10 Claims. (Cl. 23—202)

1. The method of accelerating hydrolysis of titanium salt solutions which comprises adding thereto a gel of titanium oxide.

8. A seeding agent for accelerating the hydrolysis of titanium salt solutions comprising a gel of titanium oxide prepared by adding to a solution containing titanium, other metal and sulphate ions just sufficient caustic soda to combine with all the sulphate present as free acid and combined with titanium, whereby a dry gel is formed.

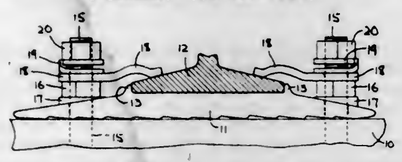
2,040,824

RAIL SUPPORTING AND SECURING MEANS

Levi B. Armstrong, Chicago, Ill., assignor to The Lundie Engineering Corporation, New York, N. Y., a corporation of New York

Application March 5, 1932, Serial No. 596,936

6 Claims. (Cl. 238—338)



1. In a rail supporting and securing means, the combination of a tie plate adapted to rest on a tie for supporting a rail thereon and having a spike opening therethrough at one side of the rail in spaced relation to the edge of the rail flange, a spike extending through said opening in the plate and into the tie, abutment means on the upper end portion of the spike, a clip loosely mounted at its outer end portion on said spike so as to be movable readily into changed angular position vertically with respect to the tie plate and extending inwardly from the spike into position above the flange of the rail and resilient longitudinally whereby its inner end is moved upwardly independently of the changed angular position of its outer end portion, and a coiled spring mounted on said spike between said abutment means and said clip serving normally by downward pressure on the clip to hold the clip in substantially horizontal position but adapted to yield for permitting the clip to swing upwardly out of normal position with respect to the spike.

2,040,825

TREATING MIXED OXIDES OF LEAD, TIN, AND ZINC

Jesse O. Betterton and Albert J. Phillips, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application November 13, 1933, Serial No. 697,809

13 Claims. (Cl. 75—25)

1. The process for treating mixed oxides of lead, tin and zinc which comprises smelting said oxides at a temperature of approximately 1800–2500° F. in the presence of a carbonaceous reducing agent and subjecting the charge to the sweeping action of a reducing atmosphere thereby simultaneously eliminating the zinc by volatilization and recovering the lead and tin as liquid metal.

2,040,826

PROCESS OF TREATING BRASS AND BRONZE SECONDARY METALS

Jesse O. Betterton and Albert J. Phillips, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application December 7, 1933, Serial No. 701,338. Renewed November 10, 1934

11 Claims. (Cl. 75—17)

1. The process of treating scrap radiators which comprises in sequence sweating the radiators to remove solder, melting said radiators and slagging the iron present, charging the molten copper containing zinc, tin and lead to an ordinary converter under a layer of coke approximately 10–20 inches thick, blowing the metal with air thereby eliminating the bulk of the zinc as fume, removing the coke layer and continuing the blowing thereby oxidizing the tin and recovering same as dross and tin-rich fume, and thereafter treating the copper in an anode furnace preparatory to casting same into anodes and recovering the copper by electrolysis.

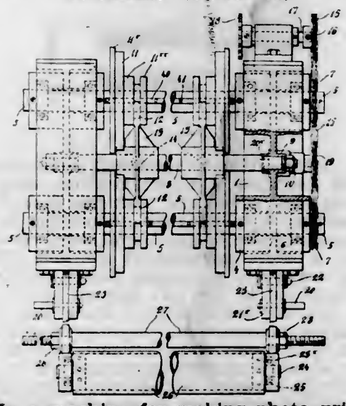
2,040,827

MACHINE FOR MAKING PHOTO PRINTS ON PRINTING CYLINDERS

Jules J. Brell, New York, N. Y.

Application February 12, 1935, Serial No. 6,179

11 Claims. (Cl. 95—73)



1. In a machine for making photo prints on printing cylinders, means for supporting a cylinder, means adapted to impart rotation to the cylinder, clamping members for each end of a flexible film, yielding tension means for connecting said clamping members to form with the film an endless belt, a support for said tension means permitting movement of the tension means relatively to said support for simultaneous rotation of the cylinder and corresponding movement of the endless belt formed by the film and tension means, and means for throwing a beam of light upon a film held adjacent the cylinder by said tension means.

2,040,828

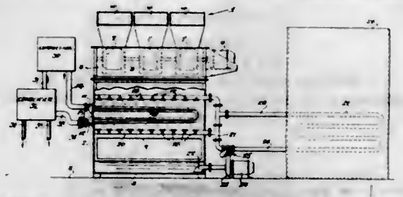
COOLER

George B. Bright, Detroit, Mich., and Martin H. Olstad, Bayside, N. Y., assignors to Niagara Blower Company, Buffalo, N. Y., a corporation of New York

Application December 26, 1933, Serial No. 703,882

12 Claims. (Cl. 257—67)

1. A cooler of the character described, comprising a casing maintained substantially at atmospheric pressure, a refrigerant expansion coil in said casing, means for conducting cooled refrigerant to said coil and permitting it to expand therein, means for passing a liquid over the outside of said coil whereby the heat of said liquid is



absorbed by said refrigerant, heat interchanging means other than the refrigerant cooling means and means for collecting and passing said liquid, after passing over said coil, through said heat interchanging means to usefully absorb heat.

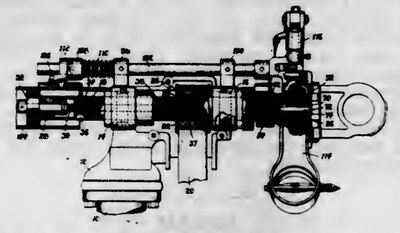
2,040,829

MACHINE FOR ROUGHING SHOE PARTS

Charles G. Brostrom, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application October 30, 1933, Serial No. 695,796

9 Claims. (Cl. 69—1)



1. A rotary roughing brush having long bristles mainly disposed parallel to the rotational axis of the brush and having their work engaging end portions turned outward from said axis, and means for adjusting said bristles lengthwise of the brush.

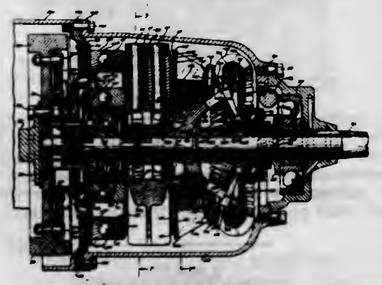
2,040,830

VARIABLE SPEED TRANSMISSION MECHANISM

Roland Chilton, Ridgewood, N. J.

Application May 3, 1933, Serial No. 669,144

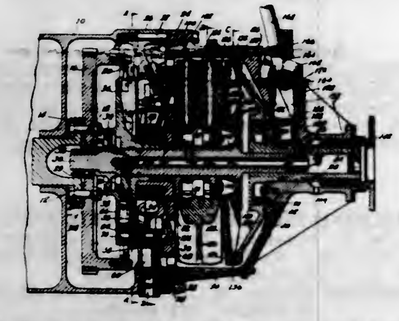
95 Claims. (Cl. 74—281)



1. A variable speed transmission mechanism including, in combination, a roller mounted for planetary rotation, a rotary driving member engaging said roller, a fixed member engaging said roller and having a planetary radius of contact different from that of said driving member and

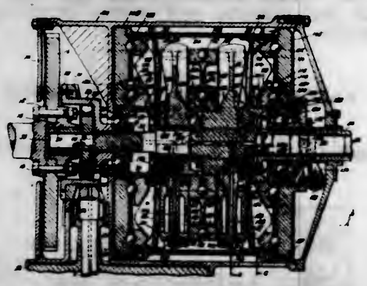
a roller radius of contact substantially the same as that of said driving member, and means driven from said roller, said roller being mounted on an axis substantially normal to the axis of said members.

2,040,831
TRANSMISSION
Roland Chilton, Ridgewood, N. J.
Application September 5, 1934, Serial No. 742,752
17 Claims. (Cl. 74—281)



4. In a transmission having members subject to varying torque reactions, pumps associated with the respective members so as to be subject to said torque reactions, ratio control thrust means subject to the pressure generated by the respective pumps, said ratio control thrust means being adapted to apply contact pressure to the respective members, and means to vary the relation between the pressures acting upon the respective members.

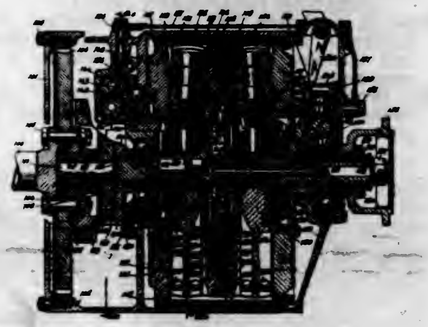
2,040,832
TRANSMISSION
Roland Chilton, Ridgewood, N. J.
Application October 5, 1934, Serial No. 746,958
19 Claims. (Cl. 74—281)



3. In a transmission, in combination, opposed drive members, rollers rockably contacted between said members under high contact load, and opposed cam means rigidly united against relative movement under said load and profiled to effect said rocking whilst transmitting said load.

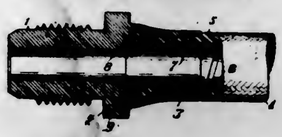
2,040,833
TRANSMISSION
Roland Chilton, Ridgewood, N. J.
Application December 27, 1934, Serial No. 759,349
30 Claims. (Cl. 74—281)

1. In a transmission, in combination, opposed annular discs, rollers rockably engaging said discs, rings in rolling driving contact with said rollers,



and means associated with said rings adapted to effect said rocking.

2,040,834
FLEXIBLE CONDUIT
Irving Cowles, Detroit, Mich.
Application October 27, 1934, Serial No. 750,302
4 Claims. (Cl. 285—84)

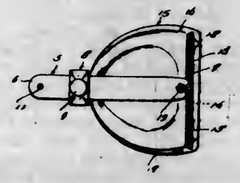


1. A flexible conduit assembly comprising a coupling consisting of a body member and a hose receiving shell concentric with the bore of said body portion, a hose length comprising in part a rubber wall and a flexible metal lining embraced thereby, a sleeve equipped at one end with an annular outwardly projecting flange, said sleeve being mounted in one end portion of the hose length and the flange thereof being disposed in overlapping relation to an extremity of said metal lining and to a part of said rubber wall, the end portion of said hose containing said sleeve being permanently engaged by said shell, the body of said coupling presenting an annular shoulder at the inner end of the shell against which the portion of the extremity of the rubber wall of the hose bordering the flange of said sleeve is compressed permanently to provide a fluid tight joint, said flange of said sleeve being maintained permanently compressed against the extremity of the hose to provide a fluid tight joint between the latter and said flange, said hose and sleeve being held by said shell against movement relatively to all parts of the coupling.

2,040,835
DENTAL GAUGE
Fred W. Cubbage, Longview, Tex.
Application August 17, 1934, Serial No. 740,360
2 Claims. (Cl. 33—174)

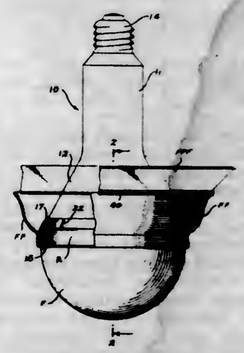
1. A dental gauge comprising an elongated bar, an elongated member having a laterally extending opening therein for receiving a portion of the bar, means for holding said member in adjusted position on the bar and a pair of arms connected to one end of the bar end extending substantially at right angles to the bar and in opposite direc-

tions from the bar, each arm being formed of bendable material curving first outwardly and



then upwardly from the bar, said arms engaging portions of the roof of the mouth when the device is in use in the mouth.

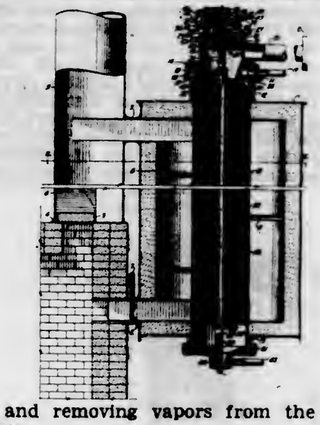
2,040,836
ILLUMINATION
Harvey Deschere, New York, N. Y., assignor to Julian B. Beaty, Rye, N. Y.
Application August 20, 1932, Serial No. 629,573
20 Claims. (Cl. 240—103)



1. In lighting construction, in combination, a source of light in the form of a bulb of round cross section but having portions thereof to either side of a major diameter of less diameter than said major diameter, a ring member about the bulb on one side of said major diameter, said ring member having bulb-engaging portions formed on a diameter less than said major diameter, said bulb-engaging portion being of variable radius and hence expansible whereby said bulb-engaging portions may be accommodated to the radius of the part of said bulb engaged thereby, a light-controlling member having portions adapted to be seated against said bulb on the side of said major diameter remote from said ring member, and means forming an interconnection between said two members.

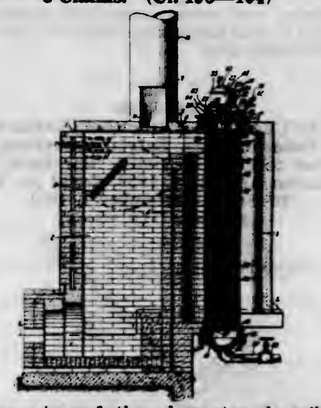
2,040,837
METHOD OF HEAT-TREATING LIQUIDS
Edward C. D'Yarmett, Ateka, Okla.
Application February 18, 1932, Serial No. 593,775
4 Claims. (Cl. 196—90)

1. The method of distillation including impelling liquid stock to the periphery of the chamber of a treating vessel, converting the liquid to mist at the periphery of the chamber, conducting heat through closely related transverse zones in the chamber, vaporizing the mist by the conducted



heat, and removing vapors from the treating chamber.

2,040,838
APPARATUS FOR CRACKING HYDROCARBON OILS
Edward C. D'Yarmett, Atoka, Okla.
Original application February 18, 1932, Serial No. 593,775. Divided and this application March 28, 1932, Serial No. 601,509
8 Claims. (Cl. 196—104)

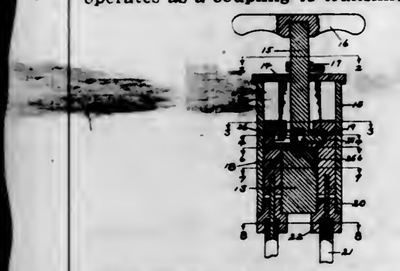


1. Apparatus of the character described including an upright vessel circular in cross section, a brush rotatable within the vessel including bristles radiating from about the center of the vessel to contact with the wall of the vessel throughout a vaporizing space within the vessel, whereby liquid charging stock is transformed to mist within the vessel in response to rotative travel of the bristles in contact with the liquid, means for delivering liquid charging stock to the vessel, means for heating contents of the vessel, and means for drawing off vapors from the vessel.

2,040,839
MONOCONTROL MECHANISM
Charles D. Fater, San Antonio, Tex.
Application December 11, 1934, Serial No. 757,902
1 Claim. (Cl. 74—502)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

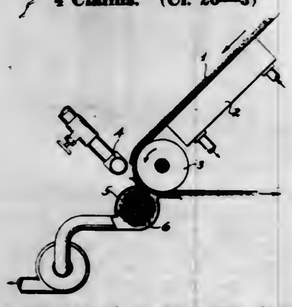
In a device for operating a multiplicity of controls by a single control handle, a housing in

which is rotatably mounted a central longitudinal shaft operated by said handle which imparts thereto both rotary and longitudinal movement, a radial selector tip projecting from said shaft, and a multiplicity of longitudinally slidable plungers mounted within said housing surrounding said shaft at equal radial distances therefrom, each of said plungers being provided with a recess for the reception of said radial selector tip which when engaged in any of said recesses operates as a coupling to transmit the longitudi-



nal movement of said handle through said shaft to the plunger to which it is thus engaged, means contained within said plungers comprising knife edge rocking pivots which engage radial latching members to move them into upper or lower locking recesses and adapted to lock them in operative or inoperative position on the withdrawal of said radial selector tip from the aforesaid operating recess, and means comprising cordon wires connected to said plungers adapted for the control of remote apparatus.

2,040,840
MANUFACTURE OF PILE FABRICS
Rafael Pons Ferreras, Sarria, Barcelona, Spain, assignor to Pedro J. Smith, New York, N. Y.
Application August 24, 1932, Serial No. 630,193
In Spain September 1, 1931
4 Claims. (Cl. 26—3)



1. The process of making pile fabrics which consists in continuously uniformly burning off the heads of the loops of terry cloth.

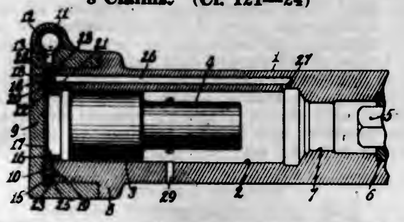
2,040,841
PULVERIZER AND OTHER DEVICES
George Holt Fraser, Brooklyn, N. Y.
Application December 12, 1931, Serial No. 580,628
11 Claims. (Cl. 83—45)

1. In a pulveriser comprising, support means, a rotatable annular crushing die thereon, having side discharge faces and an inner annular crushing face, a rotatable crushing roll within and eccentric of said die, having a peripheral crushing face co-operable with said inner face, for crushing material thereagainst, said die and roll adapted to be tractionally rotated one from the other, supply means adapted to supply material to be crushed to said inner face, and rotary drive means adapted to rotate one of said rotatable parts; the combination therewith of axially compressive tractional drive means radially outwardly of said crushing faces, adapted to rotate one of said rotatable parts from the other from radially outwardly of said crushing faces, comprising a material discharge, conical male traction face, at each side of and rotatable with said die, extended divergently outwardly around said inner face, and adapted to divergently discharge crushed material therefrom, and a material interceptor, conical



female traction face at each side of and rotatable with said roll, extended divergently outwardly beyond said crushing faces and tractionally engaged with the adjacent of said discharge faces radially outwardly of said crushing faces, and adapted to intercept, said discharge adjacent said engagement, said discharge and interceptor faces of like conicity, and said female faces rotatable with and in axially compressive tractional engagement with said male faces radially outwardly of the zone of said interception, and adapted to tractionally rotate one of said rotatable parts from the other with minimum molestation from said discharge.

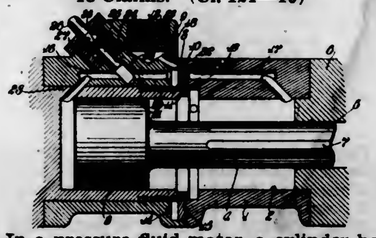
2,040,842
PRESSURE FLUID MOTOR
Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application August 29, 1932, Serial No. 630,862
8 Claims. (Cl. 121—24)



1. In a pressure fluid motor, a cylinder having a bore, a piston reciprocable therein, a head block closing the rear end of the cylinder bore, and fluid distribution means for effecting reciprocation of said piston including a valve chamber formed by said head block and the cylinder, an automatic fluid distributing valve reciprocably mounted in said valve chamber for controlling the supply of fluid to the opposite ends of said

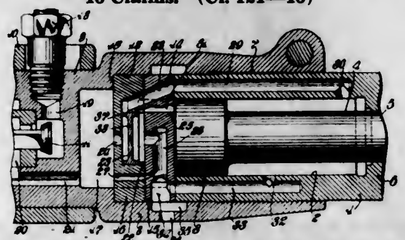
cylinder, said valve arranged with respect to the cylinder bore at a point not traversed by the piston, and when in its forward position seating directly on the rear end of the cylinder, said valve chamber having annular pressure receiving grooves surrounded by annular seats with which said valve engages upon reciprocation thereof, one groove being formed in said head block and the other groove being formed in the rear end of said cylinder.

2,040,843
PRESSURE FLUID MOTOR
Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application September 9, 1932, Serial No. 632,414
15 Claims. (Cl. 121—10)



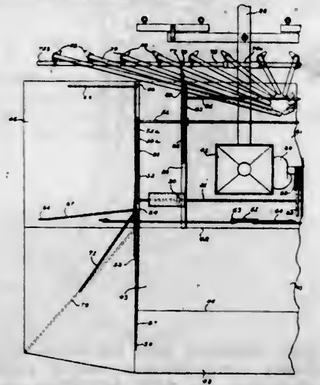
1. In a pressure fluid motor, a cylinder having exhaust means, a piston reciprocable in said cylinder for controlling said exhaust means, fluid distribution means for conducting pressure fluid to the opposite ends of the cylinder to effect reciprocation of the piston and including an annular fluid distributing valve encircling the motor cylinder, and a hole blowing device associated with said fluid distribution means and including an exhaust control valve for closing said exhaust means, said exhaust control valve encircling the motor cylinder and said distributing valve guided thereon.

2,040,844
PRESSURE FLUID MOTOR
Elmer G. Gartin, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application September 20, 1932, Serial No. 634,008
18 Claims. (Cl. 121—18)



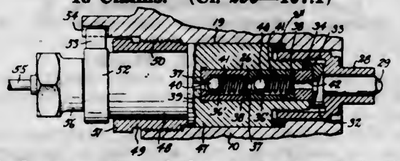
1. In a pressure fluid motor, a cylinder, a piston reciprocable therein, and fluid distribution means for effecting reciprocation of said piston including a valve chest having a valve chamber, a valve reciprocable in said valve chamber and having concentric annular flanges on its opposite faces adapted to seat against the end walls of the valve chamber and forming concentric recesses on the opposite faces of the valve, means for supplying line pressure to said concentric recesses, said valve being thrown in either direction by line pressure within the recesses on one face of the valve acting on one pressure area of the valve when a piston controlled reduced pressure in the recesses on the opposite side of the valve acts on the opposing area of the valve.

2,040,845
APPARATUS FOR TREATING PLANTS FOR PARASITES
Daniel C. Heim, Sunbury, Pa., assignor to A. B. Farquhar Co. Limited, York, Pa., a limited partnership of Pennsylvania
Application July 26, 1932, Serial No. 624,783
12 Claims. (Cl. 43—148)



1. A dusting machine for plants comprising a substantially imperforate platform, supporting wheels below the platform, dust delivering devices at the forward end of the platform and a continuous curtain on the sides and rear of the platform and extending continuously from the platform to a line adjacent the ground to form a compartment having a closed top, sides and rear for the treatment of the plants.

2,040,846
FUEL INJECTION SYSTEM FOR INTERNAL COMBUSTION ENGINES
Knut Jonas Elias Hesselman, Saltsjo-Storangen, Sweden
Application September 24, 1932, Serial No. 634,710
In Sweden April 22, 1929
13 Claims. (Cl. 299—107.1)



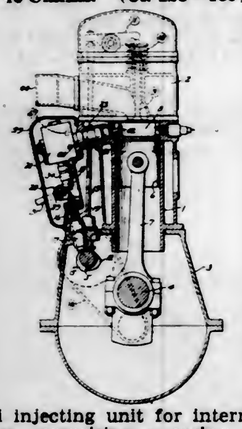
1. In apparatus of the character set forth, a valve comprising an integral casing having a bore therein having a reduced portion providing a valve seat, a cylindrical helical spring in said bore, and a spherical valve ball in said bore between said spring and said valve seat, said spring urging said ball against said seat, said spring having a plurality of turns, said bore adjacent one or a relatively few turns of said spring remote from said seat being of a diameter substantially equal to the external diameter of the spring to guide the same, said bore being of greater diameter adjacent a relatively greater number of turns between the guided portion and the valve member, and said valve ball being of substantially the same diameter as the external diameter of the spring so as to barely pass through the bore at the place of guiding the spring.

2,040,847

FUEL PUMP FOR INTERNAL COMBUSTION ENGINES

Knut Jonas Elias Hesselman, Saltsjo-Storangen, Sweden

Application May 20, 1931, Serial No. 538,756. Renewed September 24, 1935. In Sweden November 7, 1927
40 Claims. (Cl. 123—139)



1. A fuel injecting unit for internal combustion engines comprising a casing providing a pump chamber, an arm providing a journal adapted to seat in an engine cylinder to fix the position of the pump, a discharge passage leading from the pump chamber to the end of said arm, an injection nozzle removably secured to the end of said arm and in communication with said passage, a second arm having a bore communicating with the pump chamber, a pump plunger in said bore, said plunger having a portion projecting from said arm, and a sleeve adjustably mounted on the second mentioned arm and adapted to engage the projecting portion of the plunger to hold the same in retracted position.

2,040,848

ACETYL SALICYLIC ACID SOLUTION AND METHOD OF PRODUCING THE SAME

Louis Hirschhorn, New York, N. Y.

No Drawing. Application December 22, 1932, Serial No. 648,442
9 Claims. (Cl. 167—65)

1. A mutual solution of acetyl salicylic acid and a drug of the analgesic and antipyretic group in glycerine.

6. The method of preparing a potentiated solution of acetyl salicylic acid which comprises mixing solid acetyl salicylic acid with another solid analgesic and antipyretic drug and with glycerine and applying heat sufficient to cause mutual solution only.

2,040,849

MONOCARBOXYLIC ACID ESTERS AND THEIR PRODUCTION

Harold S. Holt, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application September 28, 1934, Serial No. 745,848
13 Claims. (Cl. 260—106)

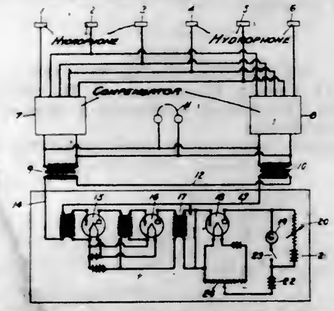
1. A monocarboxylic acid ester of an alcohol obtainable by the substantially solely carboxylic reduction of a natural acidic resin.

2,040,850

METHOD AND APPARATUS FOR THE DETERMINATION OF DIRECTION OF A SOURCE OF WAVE ENERGY

Beverly R. Hubbard, Melrose, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine

Application December 20, 1928, Serial No. 327,450
7 Claims. (Cl. 177—386)



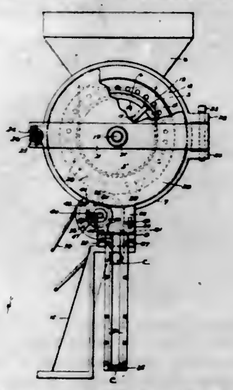
7. The method of determining the direction of a source of sound waves which consists in receiving the incident sound impulses at two groups of spaced points, converting said impulses into corresponding electric impulses, transmitting said impulses over paths of relatively different time length, combining a portion of the energy of the two groups of impulses in an additive manner and the remainder in a subtractive manner, simultaneously producing an audible indication of the additively combined energy and a visible indication of the subtractively combined energy while varying the time length of the said paths until the impulses are in phase.

2,040,851

FEEDING MEANS FOR RECEPTACLE CLOSURE CAPS

John A. Johnson, Woodhaven, N. Y.

Application August 31, 1934, Serial No. 742,231
11 Claims. (Cl. 226—82.1)



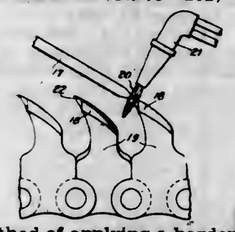
1. In closure cap feeding means, a casing having an open end, a tapering drum rotatably mounted in the open end of the casing and having a curved edge at the larger end to direct the caps from the drum in sidewise inclined position, a disk rotatable in spaced relation to the drum to engage the caps leaving the drum and permit passage of said caps sidewise to the space between the drum and disk, and means arranged on the outer side of the curved edge of the drum to engage and direct the caps with the closed end lowermost to abut the disk at an angle preventing said caps from passing between the drum and disk.

2,040,852

METHOD FOR THE MANUFACTURE AND REBUILDING OF CUTTER CHAINS

Joseph F. Joy, Marion, Ohio, assignor to Sullivan Machinery Company, Chicago, Ill., a corporation of Massachusetts

Application August 16, 1933, Serial No. 685,398
5 Claims. (Cl. 76—101)



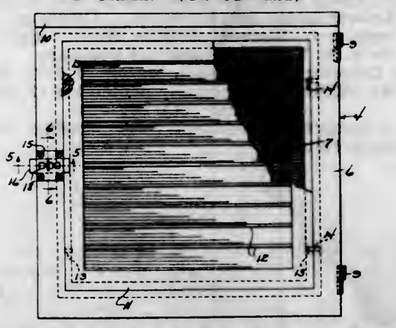
1. In a method of applying a hardened point of metal to a toothed element of a chain, placing a rod of hard material on the point of the chain element in alignment with the cutting surface thereof, applying a flame at right angles to the axis of the rod at the point of juncture of the rod with the chain element, and gradually withdrawing the hard rod as the end thereof is transferred under the flame to the point of the chain so that the point is built out in line with the cutting edge of the chain element.

2,040,853

WINDOW SCREEN SHADE AND VENTILATOR

Charles A. Kauffman and Harold W. Davidson, Pittsburgh, Pa.

Application April 17, 1935, Serial No. 16,906
1 Claim. (Cl. 98—121)



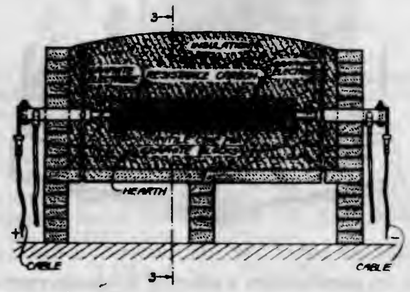
In combination with a window frame, a keeper secured to one side of the frame, a screen frame hinged to the opposite side of the window frame from said keeper, foraminous material secured to and closing the screen frame, said screen frame having pairs of sockets located in opposing edges thereof, a ventilator frame fitting against opposing edges of the screen frame, slats secured to the ventilator frame, a pair of pins secured to the ventilator frame and projecting beyond one side thereof to enter either pair of sockets, a latch casing secured to the screen frame at the non-hinged side thereof and having its opposite ends open, a latch plate slidable in said casing and projecting beyond the open ends of the latter, said casing having a slot, and a finger piece extending through the slot and secured to the latch plate and movable along said slot in either direction to move the latch plate into several positions to either extend into the keeper and overlie the ventilator frame or to enter the keeper and be disengaged from the ventilator frame or to disengage from the keeper and overlie the ventilator frame.

2,040,854

TITANIUM COMPOUND AND METHOD OF MAKING SAME

Charles J. Kinzie and Donald S. Hake, Niagara Falls, N. Y., assignors to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine.

Application July 9, 1934, Serial No. 734,320
19 Claims. (Cl. 23—203)



1. The method of converting rutile or titanium oxide mixed with carbon into a friable, essentially amorphous and chemically reactive titanium compound, which comprises heating said mixture enveloped in an insulating mix in an electric resistance furnace without fusion but with substantial decomposition of the charge into said titanium compound.

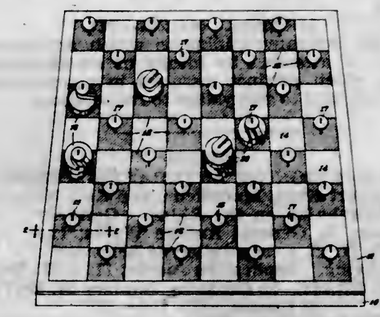
18. Titanium carboxide having presumably the formula Ti_2OC_2.

2,040,855

GAME APPARATUS

Alexander Klemin, New York, N. Y.

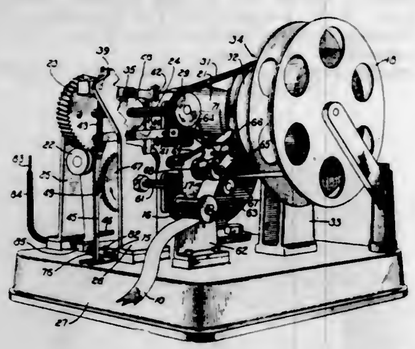
Application October 3, 1934, Serial No. 746,659
4 Claims. (Cl. 273—137)



1. In a game apparatus, playing-piece supporting means including a plurality of shaft-like stems each carrying a supporting element, and a complement of playing pieces, each having a slot

adapted to receive any one of said shaft-like stems and each being adapted to be removably supported on any one of said supporting elements.

2,040,856
TAPE ADVANCING DEVICE
Howard L. Krum, Kenilworth, and Walter J. Zenner, Des Plaines, Ill., assignors to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application November 2, 1934, Serial No. 751,126
30 Claims. (Cl. 178—42)



1. In combination, a printing telegraph receiver comprising a mechanism selectively responsive to signalling conditions for determining a character to be printed on a medium, a device for advancing the medium through the receiver, and an all-mechanical means effective during the operation of the receiver and during a predetermined cessation thereof for causing the continuous operation of said medium advancing device.

2,040,857
ACYLAMINO DERIVATIVES OF THE ANTHRAPYRIMIDINE SERIES
Max Albert Kunz, Mannheim, and Karl Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application January 14, 1932, Serial No. 586,692. In Germany January 21, 1931
35 Claims. (Cl. 260—32)

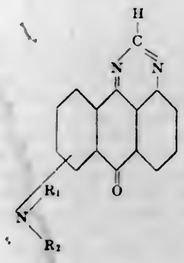
8. An anthrapyrimidine to which an organic radical is attached by means of an acylamino group which product dissolves in concentrated sulphuric acid to give yellow to red solutions.

2,040,858
PRODUCTION OF ANTHRAPYRIMIDINES
Max Albert Kunz, Mannheim, and Karl Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application August 11, 1932, Serial No. 628,440. In Germany January 21, 1931
12 Claims. (Cl. 260—32)

1. The process of producing anthrapyrimidines which comprises heating an α-amino-anthraquinone with an amide of an acid selected from the class consisting of the aliphatic monocarboxylic acids and benzoic acid to between about 100° and about 200° C. in the presence of a catalyst selected from the group consisting of copper, and copper compounds.

2,040,859
COMPOUNDS OF THE ANTHRAPYRIMIDINE SERIES
Max Albert Kunz, Mannheim, and Karl Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application August 11, 1932, Serial No. 628,441. Renewed December 10, 1935. In Germany January 21, 1931
4 Claims. (Cl. 260—32)

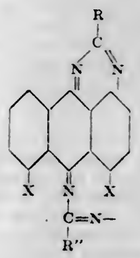
1. Readily vattable compounds of the aminoanthrapyrimidine series which contain an amino group in a nucleus which has no part in the building up of the pyrimidine ring and which correspond to the general formula



in which R_1 and R_2 stand for hydrogen or alkyl.

2,040,860
PRODUCTION OF ANTHRAPYRIMIDINES
Max Albert Kunz, Mannheim, and Karl Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application March 30, 1933, Serial No. 663,646. In Germany September 17, 1932
12 Claims. (Cl. 260—32)

3. Anthradipyrimidines corresponding to the general formula:



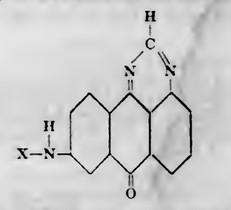
wherein the free linkage of the one nitrogen atom is attached in one of the positions marked X to the nucleus shown, and wherein R and R'' stand for hydrogen, an alkyl radicle or a radicle of the benzene, naphthalene, pyridine, quinoline or anthraquinone series, at least one of the groups R and R'' being a vattable aromatic radicle.

2,040,861
ANTHRAPYRIMIDINES AND THEIR PRODUCTION
Max Albert Kunz, Mannheim, and Karl Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application August 2, 1933, Serial No. 683,402. Renewed December 10, 1935. In Germany January 21, 1931
14 Claims. (Cl. 260—32)

1. The process of producing anthrapyrimidines which comprises causing formamide to react on an α-nitroanthraquinone at a temperature above about 100° C.

2,040,862
COMPOUNDS OF THE ANTHRAPYRIMIDINE SERIES
Max Albert Kunz, Mannheim, and Karl Koeberle, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application July 5, 1935, Serial No. 30,010. In Germany January 21, 1931
3 Claims. (Cl. 260—32)

1. Compounds of the anthrapyrimidine series corresponding to the general formula:



in which X stands for hydrogen or methyl.

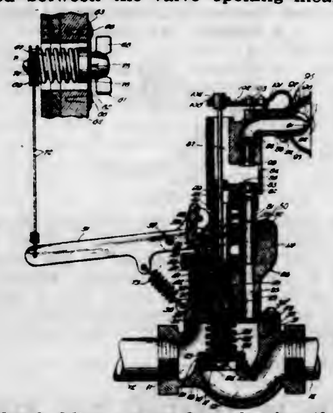
2,040,863
BUILDING MATERIAL
Mayhew L. MacDonald and Alex Vida, San Francisco, Calif., assignors of one-third to George S. MacGruer, San Francisco, Calif.
Application January 27, 1932, Serial No. 589,256
Renewed August 9, 1934
4 Claims. (Cl. 41—22)



2. The method of producing artificial marble by means of a glass plate which comprises the steps of applying an adhesive to the strands of a silk net, pressing the net upon the face of the plate, applying a coat of paint and allowing the same to set, of then withdrawing the net through the coat of paint whereby channels are formed in the paint and applying a second coat of paint to the channels.

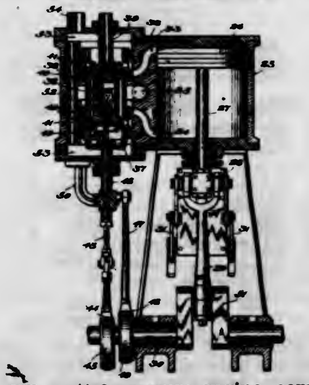
2,040,864
CONTROL DEVICE
Harold A. Mantz, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 31, 1931, Serial No. 560,412
20 Claims. (Cl. 137—139)

1. In a fluid flow control means, a valve, means for opening the valve, spring means normally urging said valve toward closed position, means for holding the valve in raised position and means engaged between the valve opening means and



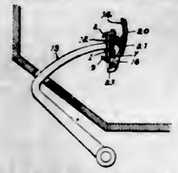
the valve holding means for releasing the valve holding means upon movement of the valve opening means toward a closing position.

2,040,865
ENGINE
Vincen P. McVoy, Mobile, Ala., assignor to McVoy Engine Boiler Development Co., Inc., Mobile, Ala., a corporation of Alabama
Application November 28, 1934, Serial No. 755,237
8 Claims. (Cl. 121—146)



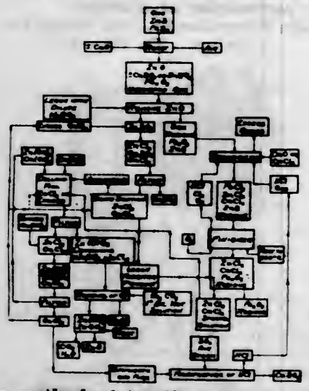
1. A differential pressure engine, comprising a cylinder with a piston therein and a steam chest communicating with the cylinder and having two inlet ports and an exhaust port, valves in the steam chest controlling said intake and exhaust ports, and operating means for the valves for successively opening one intake port to a source of pressure and to the pressure side of the piston in the cylinder to initiate the stroke of the piston and for closing said intake port upon the initial movement of the piston and opening the second intake port to a source of high absolute pressure to prevent the formation of a vacuum at the pressure side of the piston in the cylinder, said operating means also adapted to operate the valves to open the exhaust port and the opposite side of the piston in the cylinder to a source of low absolute pressure to effect movement of the piston due to the differential pressures between the pressure and low absolute pressure sides of the piston.

2,040,866
PEDAL ATTACHMENT
Samuel M. D. Miller, Detroit, Mich.
Application January 23, 1935, Serial No. 3,010
8 Claims. (Cl. 74—563)



1. An attachment for the operating pedal of a motor vehicle, including a base member, means for securing said base member to the tread portion of a pedal, a tread member pivotally attached at one end to the lower end of said base member, and yieldable means interposed between said base member and said tread member.

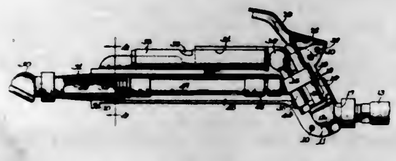
2,040,867
METHOD OF TREATING ZINC BEARING ORES AND RECOVERING ZINC OXIDE THEREFROM
Thomas A. Mitchell and Royal L. Sessions, Denver, Colo., assignors, by mesne assignments, to Hughes-Mitchell Processes Incorporated, Denver, Colo., a corporation of Wyoming
Application October 31, 1932, Serial No. 640,404
17 Claims. (Cl. 23—147)



1. The method of treating a zinc sulfide ore comprising the steps of roasting the ore to form a zinc-oxygen compound, dissolving said compound from the ore and producing a dilute solution containing zinc chloride, separating the solution from the ore residue, chloridizing the residual zinc compounds in the ore residue in a substantially dry condition, and thereafter leaching the zinc chloride from the ore residue by means of said dilute zinc chloride solution and thereby obtaining a solution of zinc chloride of high concentration.

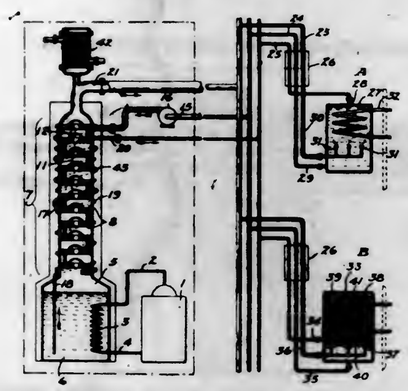
2,040,868
TIRE INFLATER
Kenneth M. Moody, Chicago, Ill.
Application January 23, 1933, Serial No. 653,209
8 Claims. (Cl. 152—11.5)

1. A combined tire inflater and gauge comprising a sectional casing formed of two similar complementary sections and having a plurality of cavities therein, means for holding the sections together, a tire gauge mounted in one of said cavities and securely held in the casing, a chuck mounted in another of said cavities in said casing and connected with a source of air supply, a hollow member slidably mounted in another of said cavities in said casing, a tube having a valve therein for operatively connecting the hollow member with the gauge when the hollow member is in normal position and disconnecting the same therefrom when said member is moved from nor-



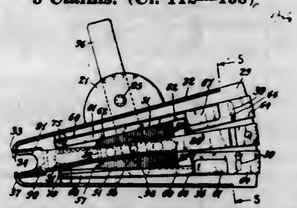
mal position, a tube having a valve therein for operatively connecting the hollow member with the chuck when said member is moved from normal position, and disconnecting the same therefrom when the member is in normal position, a lever for actuating said hollow member, a spring for holding the member in normal position, and a conduit leading from said member outwardly through another of said cavities and adapted to be connected with a tire or the like.

2,040,869
METHOD OF HEAT DISTRIBUTION
Sterne Morse, Richmond Heights, Ohio
Application October 11, 1933, Serial No. 693,211
4 Claims. (Cl. 237—81)



1. The method of distributing heat energy which comprises distributing from a central point a gas and a solvent for said gas independently to a plurality of points, said gas and said solvent having properties such that solution of the gas in the solvent is accompanied by evolution of heat, said gas being at such pressure as to remain in the gaseous state at the temperature surrounding the distribution system, absorbing said gas in said solvent at said points, whereby sensible heat at temperatures above said surrounding temperature is developed, utilizing such heat produced at such higher temperatures, returning the solution of said gas in said solvent to said central point, regenerating said gas from said solvent at said central point at substantially the same pressure at which it was absorbed and redistributing said regenerated gas and regenerated solvent.

2,040,870
ADJUSTABLE BINDER APPARATUS
Matthew Marino and Vincent Petilli, New York, N. Y.
Application November 21, 1934, Serial No. 754,191
5 Claims. (Cl. 112—138)

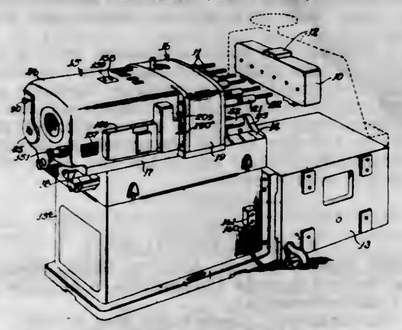


1. An adjustable binder apparatus comprising a housing, a pair of folders adjustably supported in the housing for the longitudinal edge portions of a binding material to pass through, said folders each having an entrance end and an exit end, means to position the folders different distances apart, and a flexible fork positioned between said folders with one end thereof fastened to said housing, said fork taking up the slack at the longitudinal central portion of said binding material as it passes through the folders.

2,040,871
PROCESS OF DRYING TOBACCO FOR INSECTICIDAL PURPOSES
Robert Graham Mewborne, Albuquerque, N. Mex., assignor to Niagara Sprayer and Chemical Co., Inc., Middleport, N. Y., a corporation of New York
No Drawing. Application October 8, 1929, Serial No. 398,273. Renewed January 26, 1934
10 Claims. (Cl. 167—34)

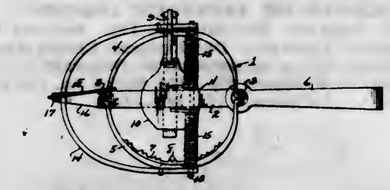
1. The process of drying tobacco material including a nicotine content for the purposes described which comprises heating tobacco material, including the stems and leaves, to dehydrate the same and removing the finer textured portions of the plant portions treated as volatilization of the nicotine component begins, to a cooler zone.

2,040,872
MACHINE TOOL
Alexander Oberhoffken, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a corporation of Illinois
Application April 30, 1934, Serial No. 723,136
72 Claims. (Cl. 29—26)



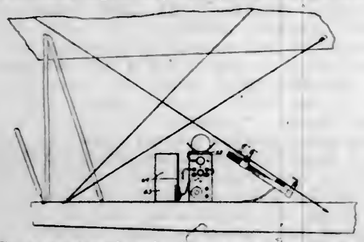
1. An automatic machine tool having, in combination, a support mounted for reciprocation along a slideway, a gear box on said support, a spindle rotatably supported by said box and adapted for connection interchangeably with tools for performing different metal-removing processes, feeding mechanism for effecting movement of said support along said slideway, a reversible electric motor mounted on said support, means on said support providing a rotary driving connection between said motor and said feed mechanism including adjustable speed-change gearing operable selectively to cause feeding movement of said support at different predetermined speeds corresponding to the character of the respective tools, means for extending the drive of said motor to said spindle comprising speed-reduction mechanism within said box including speed change gearing selectively adjustable to cause rotation of the spindle at different speeds for the respective tools, a rapid traverse motor having a driving connection with said feed mechanism, and mechanism controlling the operation of said motors to define automatic cycles of movement of said support including a member manually shiftable into either of two positions in one of which said control mechanism defines a cycle of rapid approach, feed, and rapid return movements of said support and in the other of which a cycle of rapid approach, feed, reverse feed, and rapid return motions is executed.

2,040,873
TRAP
Justillion Orgeron, Larose, La.
Application December 11, 1934, Serial No. 757,031
1 Claim. (Cl. 43—96)



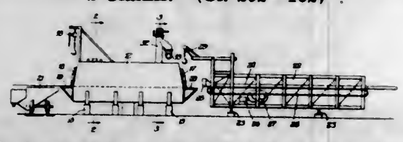
In an attachment for a trap which comprises a flat base element formed with upturned ends, cooperating arcuate jaws having pivotal mountings in said ends, a flat spring yieldingly impelling the jaws into gripping position and extending in the direction of the length of the base and a treadle controlled catch engageable with one of the jaws to retain the two in open position against the pressure of the spring; the said attachment comprising an arcuate striker member of greater spread than the jaws, a shaft with whose extremities the extremities of the striker member are engaged to provide a pivotal mounting for the striker member, a clip formed with down-turned apertured ears, the clip being disposed in straddling relation to the base with the ears in substantially abutting relation to the base on opposite edges, the shaft extending through the ears but below the base to dispose the axis of movement of the striker member rightangularly to the axes of movement of the trap jaws, coil springs encircling the shaft on opposite sides of the clip and having their extremities engaged respectively with the clip and with the striker member, and an auxiliary latch member mounted on the base at the end remote from the jaw actuating spring to initially retain the striker member in a plane parallel to the plane of the base against the torsion of said coil springs, the striker member in such position being restrained by the treadle controlled catch when engaged with one of the jaws in the open position of the latter.

2,040,874
ACOUSTIC TENSIOMETER
Mendel N. Pack, Dayton, Ohio
Application March 27, 1934, Serial No. 717,602
23 Claims. (Cl. 175—183)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a measuring instrument, means for producing a constant magnetic field, a vibrating element of fixed tension associated with said magnetic field to produce an alternating E. M. F., a detector circuit for translating said alternating E. M. F. into a musical note, an oscillatory circuit associated with said detector circuit for emitting a second musical note, and means for tuning one of said circuits to bring the frequencies of the notes of both circuits into resonance with respect to one another.

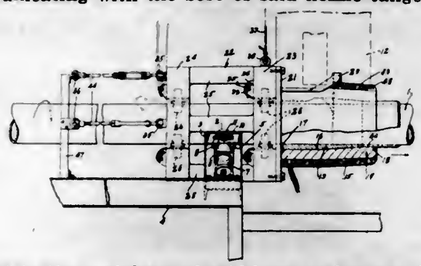
2,040,875
APPARATUS FOR THE COKING OF BITUMINOUS OR ASPHALTIC LIQUIDS
Roy S. Petersen, San Antonio, Tex., assignor to Brassert-Tidewater Development Corporation, Chicago, Ill., a corporation of Delaware
Application February 23, 1934, Serial No. 712,460
2 Claims. (Cl. 202—102)



1. Apparatus for coking heavy hydrocarbons in fluid form, which comprises a metallic outer casing entirely surrounding a refractory lining, said metallic casing serving to prevent infiltration of air through said lining, said lining forming a horizontal coking chamber therein, said casing having openings at each end thereof, removable sealing means covering said openings, a substantially flat refractory floor for said chamber and heating flues below the floor and within the metallic casing, means for introducing into the chamber the heavy hydrocarbons to be coked, means for removing from the chamber vapors produced by the coking operation, a pusher ram and means for forcing it through the chamber to push out the coke, and means for receiving the coke after it is discharged from the chamber.

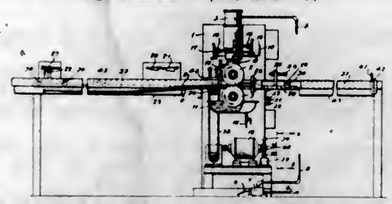
2,040,876
PIPE COATING APPARATUS
William R. Postlewaite, San Francisco, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application July 30, 1932, Serial No. 626,870
9 Claims. (Cl. 25—38)

1. In a device for applying a coating of hot mastic to cold pipes, a nozzle having a longitudinal bore extending therethrough through which a pipe may pass, a mastic entrance chute communicating with the bore of said nozzle tangen-



tial to the periphery of said bore, and means for rotating said pipe and for longitudinally feeding the same relative to said nozzle.

2,040,877
METHOD OF AND APPARATUS FOR MAKING AND TREATING TUBE ASSEMBLIES
Bert L. Quarnstrom, Detroit, Mich., assignor to Bundy Tubing Company, Detroit, Mich., a corporation of Michigan
Application November 2, 1933, Serial No. 696,358
13 Claims. (Cl. 219—6)



7. A machine for welding lengths of tube together comprising, a pair of electrodes, movable means for supporting one electrode whereby the electrodes may move toward each other and engage and press the tubes together, means for moving the tubes lengthwise between the electrodes, an electric motor for operating said means, controllable means for shifting the movable means for one of the electrodes, a pair of electric switches one for the welding circuit and one for the motor circuit, means for closing the switches upon movement of the said movable means, another pair of electrical switches, and an actuating member carried by the tube moving means for actuating the second pair of switches to break the respective circuits after the tubes have been moved between the electrodes.

11. The method which comprises, moving two lengths of tube of different diameters lengthwise between electrodes of a welding machine and maintaining the larger of said tubes in a distorted condition bent away from the smaller of said tubes in advance of the electrodes to obtain a substantially straight run of the two tubes after they are welded together.

2,040,878
PAPER MANUFACTURE
Harold Robert Rafton, Andover, Mass., assignor to Raffold Process Corporation, a corporation of Massachusetts
No Drawing. Application May 2, 1933, Serial No. 669,065
17 Claims. (Cl. 92—21)

1. A method of manufacturing paper filled with alkaline filler which comprises providing a fibrous

mix comprising alkaline filler, a substantially nonbreakable emulsion of substantially water insoluble sizing material substantially inert to alkaline filler, and being substantially free from any precipitate serving to concentrate the disperse phase of said emulsion formed by two mutually precipitable soluble agents including any such precipitate which of itself would constitute a size, forming a web from said mix, and drying said web.

11. A paper comprising fibrous material, alkaline filler, substantially water insoluble sizing material substantially inert to alkaline filler derived from a substantially nonbreakable emulsion thereof, and being substantially free from any precipitate having served to concentrate said substantially water insoluble sizing material from said emulsion formed by two mutually precipitable soluble agents including any such precipitate which of itself would have constituted a size.

2,040,879
SUBSTANTIALLY UNDEGRADED DEACETYLATED CHITIN AND PROCESS FOR PRODUCING THE SAME
George W. Rigby, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 21, 1934, Serial No. 731,600
20 Claims. (Cl. 260—54)

14. Substantially undegraded at least partially deactylated chitin.

2,040,880
PROCESS FOR THE PREPARATION OF FILMS AND FILAMENTS AND PRODUCTS THEREOF
George W. Rigby, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 21, 1934, Serial No. 731,601
21 Claims. (Cl. 18—54)

1. A process for the manufacture of shaped objects which comprises shaping a mass of an at least swollen salt of an at least partially deacetylated substantially undegraded chitin into the form desired and coagulating the same.

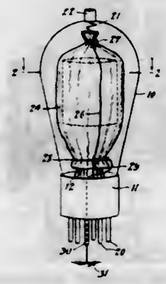
2,040,881
METHOD FOR ELECTROLYTIC DEPOSITION OF CHROMIUM
Floricel A. Rojas, New York, N. Y., assignor to Rojas Chemical Works, Inc., New York, N. Y., a corporation of New York
No Drawing. Application May 15, 1931, Serial No. 537,745
3 Claims. (Cl. 204—1)

1. A chromium plating bath containing chromic acid but devoid of other inorganic acids and consisting essentially of a water solution of the oxides of chromium and aluminum.

2,040,882
CELLULOSE DERIVATIVE COMPOSITIONS
Norman D. Scott, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 13, 1934, Serial No. 743,842
18 Claims. (Cl. 106—37)

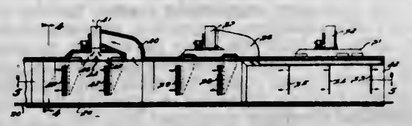
1. A plasticized composition containing a cellulose derivative and, as a plasticizer therefor, an ester of a dihydronaphthalenedicarboxylic acid.

2,040,883
ELECTRONIC TUBE
Guillermo Solomon, Santiago, Dominican Republic
Application May 29, 1935, Serial No. 24,148
2 Claims. (Cl. 250—27.5)



1. In an electronic tube, a shield comprising an outer layer of metal foil and an inner layer of dielectric material disposed inside the tube and encasing the operative elements thereof, said layer of metal foil being connected to a conductor projecting through said tube for connecting it to a ground.

2,040,884
OVEN AND SYSTEM OF VENTILATION THEREFOR
Howard E. Somes, Detroit, Mich.
Application December 20, 1934, Serial No. 758,413
3 Claims. (Cl. 219—47)

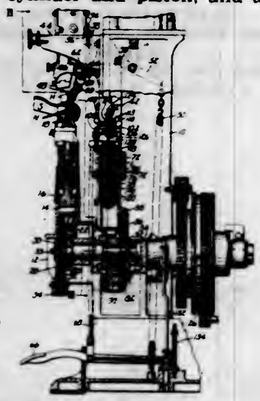


1. An industrial oven comprising a tunnel-like enclosure having a work baking section heated by electrically actuated induction heating coils, said tunnel comprising spaced apart inner and outer metallic shells, heat insulating material disposed between said shells, and spacing members formed of a dielectric material and secured to said shells to maintain said shells in a predetermined spaced apart relation to each other, said spacing members being effective to prevent a flow of induced electric current from said inner shell to said outer shell.

2,040,885
FASTENING-INSERTING MACHINE
John F. Standish, Winthrop, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application November 13, 1933, Serial No. 697,781
30 Claims. (Cl. 1—32)

1. In a fastening-inserting machine, movable work-pressing means, movable actuating means therefor, a liquid-containing cylinder movable with one of said means, a piston operating in the cylinder and movable with the other means, a valve for controlling the operating relation be-

tween the cylinder and piston, and a mounting



for said valve held against movement during the normal operation of the machine.

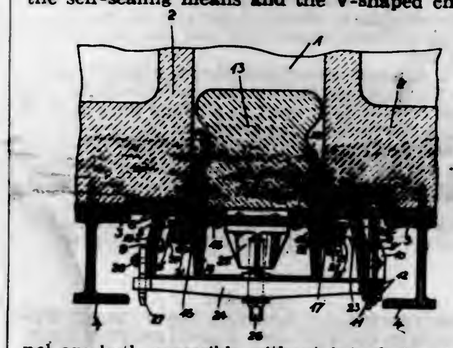
2,040,836
SUSPENSION TRAM SYSTEM
Joseph B. Strauss, Chicago, Ill.
Application June 11, 1931, Serial No. 543,595
1 Claim. (Cl. 104—124)



A suspension tram way system comprising a series of towers located at intervals, frames on the top of said towers, suspension cables connected with said frames, steel supporting frames extending between the towers, suspending members connecting said cables with said steel supporting frames, said steel supporting frames having separated side members, supporting braces connecting them at intervals, four depending members connected with said braces and arranged in pairs, two sets of tracks connected with said depending members for cars traveling in opposite directions, supporting members connected with the inner depending members, and a third track connected with said supporting members.

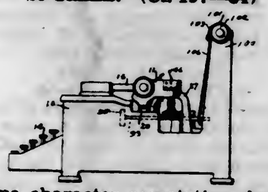
2,040,837
COKE OVEN DOOR
Paul Van Ackeren, Essen, Germany, assignor, by mesne assignments, to The Koppers Company of Delaware, Pittsburgh, Pa., a corporation of Delaware
Application May 3, 1932, Serial No. 608,273
In Germany May 4, 1931
2 Claims. (Cl. 202—248)

1. A combination closure for coke ovens, comprising a door frame and a door body adapted to fit in said frame and comprising both an outer peripheral luting sealing means adapted for holding a manually applied clay packing seal and an inner peripheral self-sealing means for automatic metal-on metal sealing surrounding the door on all sides for sealing the space between the door body and the door frame, the self-sealing means being located on the inner face of an edge of the door overlapping the door frame but still within the confines of the luting sealing means and having means for its adjustment from outside the door, and the luting sealing means comprising a peripheral edge surface of the door and a peripheral extension on the door frame forming a V-shaped channel opening outwardly around the door and gradually becoming more remote from each other outwardly for self cleaning, and the luting sealing means being spaced a sufficient distance from the self-sealing means so that the adjusting means for the self-sealing means and the V-shaped chan-



nel are both accessible without interfering with each other from outside the door in its closed position for adjustment at will of the self-sealing means or for manual packing of the luting channel and independently of the presence of each other while both sealing means are still in position on the door.

2,040,888
IMPRINTING APPARATUS
Edward C. Wells, Dayton, Ohio, assignor to Platt Iron Works, Inc., Dayton, Ohio, a corporation of New York
Application March 30, 1934, Serial No. 718,119
20 Claims. (Cl. 197—64)



1. A type character associating device of the character described comprising a platen for association of type characters in justified lines, a copy holder for unjustified copy, feeding means for the platen movable by steps, an adjustably variable spacing member operatively connected between the feeding means and the platen for determining the length of a feeding step of the platen, indicating means extending toward the copy holder and movable into registration with a line end of the unjustified copy, and means connecting the indicating means and the adjustably variable member and so coordinating their movements as to establish a space step such as to justify the indicated unjustified line to a predetermined line length.

2,040,889
CORE DRILL
Eugene Whinnen, Republic, Mich., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application May 23, 1933, Serial No. 672,453
6 Claims. (Cl. 255—72)

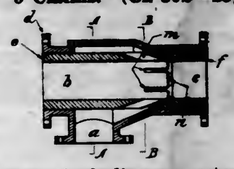
1. In a core drill, a hollow drill rod, a core receiving barrel carried thereby, means providing vent passage means for venting the interior of

the core barrel to the exterior of the drill, and valve means for controlling said vent passage means having means for maintaining the same in closed position during lowering of the barrel,



and means under the control of the operator for effecting opening of said valve means to effect venting of the interior of the barrel when the drill is in drilling position at the bottom of the drill hole.

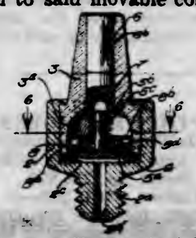
2,040,890
JET PUMP
Clarence G. Wrentmore, Detroit, Mich.; Margaret M. Wrentmore, special administratrix of Clarence G. Wrentmore, deceased
Application June 3, 1932, Serial No. 615,159
8 Claims. (Cl. 302—15)



1. A jet pump including an outer casing having a chamber therein, a suction tube extending through said casing to a point within said chamber, a discharge tube extending through said casing and within said chamber to a point adjacent the end of said suction tube, and means extending through said suction tube and adapted to provide a plurality of high velocity jets so placed within said suction tube adjacent the end thereof, as to form a plurality of intersecting blades of high velocity fluid within said suction tube.

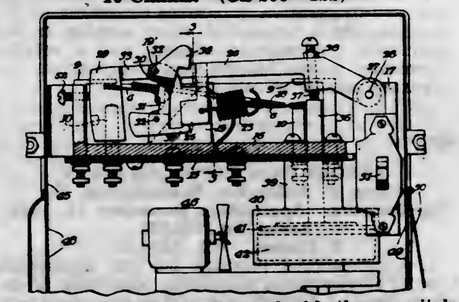
2,040,891
AUTOMATIC TIRE GAUGE SWITCH
Harry Wright, San Diego, Calif., and Hugh Hemperly, Phoenix, Ariz.
Application March 8, 1932, Serial No. 597,520
2 Claims. (Cl. 200—53)

2. In a pressure indicator for vehicle tires, a cup-shaped switch casing, a conduit means connecting said switch casing with the interior of a vehicle tire, an insulating member fitting within said casing and forming therewith a chamber, an insulating diaphragm clamped between said insulating member and said casing arranged to yield when the pressure within the tire exceeds a predetermined amount, a movable contact carried by said diaphragm, a terminal within said insulating member, yieldable means extending from said terminal to said movable contact, said cas-



ing forming a grounding contact for said movable contact when the pressure is below said predetermined amount.

2,040,892
AUTOMATIC CONTROLLING SWITCH MECHANISM
Charles Yeomans, Chicago, Ill., assignor to Yeomans Brothers Company, Chicago, Ill., a corporation of Delaware
Application January 23, 1932, Serial No. 588,305
10 Claims. (Cl. 200—122)



5. In a circuit controller, a double throw switch comprising an oscillating support, spring contact fingers on said support and cooperating fixed contacts, latching means for holding said support in its two positions, spring means for shifting said support, a pivoted shifter for tripping said latching means and tensioning said spring means, an electrically heated thermostat engaging said shifter adjacent its pivot, and a contact on said support for controlling said thermostat.

2,040,893
LOUVER DAMPER
Howard J. Young, River Forest, Ill., assignor to The Powers Regulator Company, Chicago, Ill., a corporation of Illinois
Application January 2, 1936, Serial No. 57,120
5 Claims. (Cl. 98—110)



1. In a louver damper, the combination of pivoted blades, adjacent blades being mounted to swing in opposite directions, links connecting alternate blades whereby to effect duplication of motion thereof, an actuating arm connected to one blade for effecting movement thereof, an arm projecting at an angle from the plane of the

face of the actuated blade, a second arm projecting at an angle from the face of an adjacent blade, said arms having a pin and slot connection whereby the movement of the actuated blade is transmitted eccentrically to said adjacent blade.

2,040,894
ABSORPTION REFRIGERATION
Glenn F. Zellhoefer, Bloomington, Ill.
No Drawing. Application December 11, 1934, Serial No. 756,979
2 Claims. (Cl. 252—5)

1. A refrigerant mixture for the absorption type of refrigeration apparatus consisting of ethylene glycol diacetate as the essentially predominant solvent, and a halogen derivative of an alkyl monofluoride as a refrigerant.

2,040,895
ABSORPTION REFRIGERATION
Glenn F. Zellhoefer, Bloomington, Ill.
No Drawing. Application December 11, 1934, Serial No. 756,977
2 Claims. (Cl. 252—5)

2. A refrigerant mixture for the absorption type of refrigeration apparatus consisting of diethylene glycol monoethyl ether acetate as the essentially predominant solvent, and a volatile chemically stable halogenated hydrocarbon refrigerant soluble in said solvent.

2,040,896
ABSORPTION REFRIGERATION
Glenn F. Zellhoefer, Bloomington, Ill.
No Drawing. Application December 11, 1934, Serial No. 756,978
2 Claims. (Cl. 252—5)

2. A refrigerant mixture for the absorption type of refrigeration apparatus consisting of diethyl ether of diethylene glycol as the essentially predominant solvent, and a volatile chemically stable halogenated hydrocarbon refrigerant soluble in said solvent.

2,040,897
ABSORPTION REFRIGERATION
Glenn F. Zellhoefer, Bloomington, Ill.
No Drawing. Application December 11, 1934, Serial No. 756,980
2 Claims. (Cl. 252—5)

2. A refrigerant mixture for the absorption type of refrigeration apparatus consisting of trimethylene glycol diacetate as the essentially predominant solvent, and a volatile chemically stable halogenated hydrocarbon refrigerant soluble in said solvent.

2,040,898
ABSORPTION REFRIGERATION
Glenn F. Zellhoefer, Bloomington, Ill.
No Drawing. Application December 11, 1934, Serial No. 756,981
2 Claims. (Cl. 252—5)

2. A refrigerant mixture for the absorption type of refrigeration apparatus consisting of tetrahydrofurfuryl acetate as the essentially predominant solvent, and a volatile chemically stable halogenated hydrocarbon refrigerant soluble in said solvent.

2,040,899
ABSORPTION REFRIGERATION
Glenn F. Zellhoefer, Bloomington, Ill.
No Drawing. Application December 11, 1934, Serial No. 756,982
2 Claims. (Cl. 252—5)

2. A refrigerant mixture for the absorption type of refrigeration apparatus consisting of dimethyl ether of triethylene glycol as the essentially predominant solvent, and a volatile chemically stable halogenated hydrocarbon refrigerant soluble in said solvent.

2,040,900
ABSORPTION REFRIGERATION
Glenn F. Zellhoefer, Bloomington, Ill.
No Drawing. Application April 18, 1935, Serial No. 17,063
2 Claims. (Cl. 252—5)

2. A refrigerant mixture for the absorption type of refrigeration apparatus consisting of tetraethylene glycol dimethyl ether as the essentially predominant solvent, a volatile chemically stable halogenated hydrocarbon refrigerant soluble in said solvent.

2,040,901
ABSORPTION REFRIGERATION
Glenn F. Zellhoefer, Bloomington, Ill.
No Drawing. Application April 18, 1935, Serial No. 17,064
4 Claims. (Cl. 252—5)

4. A refrigerant mixture for the absorption type of refrigeration apparatus consisting of a volatile chemically stable halogenated hydrocarbon refrigerant as a solute, and a solvent therefor consisting predominantly of a derivative of one of the glycols from the group consisting of the ethylene glycols from mono- to hexa- and of trimethylene glycol, said derivative having the two glycolic hydroxyl positions supplied with radicals from the group consisting of OCH_3, OC_2H_5, $OCOCH_3$, $OCOCH_2OCH_3$ and $OCOCH_2OC_2H_5$.

2,040,902
ABSORPTION REFRIGERATION
Glenn F. Zellhoefer, Bloomington, Ill.
No Drawing. Application April 18, 1935, Serial No. 17,065
5 Claims. (Cl. 252—5)

4. A refrigerant mixture for the absorption type of refrigeration apparatus consisting of a volatile chemically stable halogenated hydrocarbon refrigerant as a solute, and a solvent therefor consisting of $(C_4H_7O)CH_2R$ as the essentially predominant solvent, where —R may be selected from the group consisting of: OCH_3, OC_2H_5, $OCOCH_3$, $OCOCH_2OCH_3$, and $OCOCH_2OC_2H_5$.

2,040,903
ABSORPTION REFRIGERATION
Glenn F. Zellhoefer, Bloomington, Ill.
No Drawing. Application April 18, 1935, Serial No. 17,066
2 Claims. (Cl. 252—5)

2. A refrigerant mixture for the absorption type of refrigeration apparatus consisting of ethyl levulinate as the essentially predominant solvent, and a volatile chemically stable halogenated hydrocarbon refrigerant soluble in said solvent.

2,040,904
ABSORPTION REFRIGERATION
Glenn F. Zellhoefer, Bloomington, Ill.
No Drawing. Application April 18, 1935, Serial No. 17,067
2 Claims. (Cl. 252—5)

2. A refrigerant mixture for the absorption type of refrigeration apparatus consisting of triethylene glycol monomethyl ether acetate as the essentially predominant solvent, and a volatile chemically stable halogenated hydrocarbon refrigerant soluble in said solvent.

2,040,905
SOLVENT MATERIAL FOR ABSORPTION REFRIGERATING MACHINES
Glenn F. Zellhoefer, Bloomington, Ill.
No Drawing. Application April 20, 1934, Serial No. 721,549
1 Claim. (Cl. 252—5)

A refrigeration mixture comprising as essential ingredients methyl chloride as a refrigerant and solvent selected from the group of alkyl ethers of the ethylene glycols consisting of ethylene glycol mono-butyl ether, diethylene glycol monobutyl ether, acetate of mono-butyl ether of ethylene glycol, acetate of diethylene glycol monobutyl ether, n-butyrate of the mono-n-butyl ether of ethylene glycol, methoxyacetate of the mono-n-butyl ether of ethylene glycol, diethylene glycol mono-butyl ether chloride, dimethyl ether of triethylene glycol, acetate of ethylene glycol monotetrahydrofurfuryl ether, tetrahydrofurfuryl n-butyl ether of ethylene glycol, and ethylene glycol mono-ethyl ether acetate.

2,040,906
ABSORPTION REFRIGERATION
Glenn F. Zellhoefer, Bloomington, Ill.
No Drawing. Application May 3, 1935, Serial No. 19,595
2 Claims. (Cl. 252—5)

2. A refrigerant mixture for the absorption type of refrigeration apparatus consisting of monomethyl ether of diethylene glycol acetate as the essentially predominant solvent, and a volatile chemically stable halogenated hydrocarbon refrigerant soluble in said solvent.

2,040,907
ABSORPTION REFRIGERATION
Glenn F. Zellhoefer, Bloomington, Ill.
No Drawing. Application May 3, 1935, Serial No. 19,596
2 Claims. (Cl. 252—5)

2. A refrigerant mixture for the absorption type of refrigeration apparatus consisting of diethylene glycol monoethyl ether methoxyacetate as the essentially predominant solvent, and a volatile chemically stable halogenated hydrocarbon refrigerant soluble in said solvent.

2,040,908
ABSORPTION REFRIGERATION
Glenn F. Zellhoefer, Bloomington, Ill.
No Drawing. Application May 3, 1935, Serial No. 19,597
2 Claims. (Cl. 252—5)

2. A refrigerant mixture for the absorbent type of refrigeration apparatus consisting of ethylene glycol monoethyl ether acetate as the essentially predominant solvent, and a volatile chemically stable halogenated hydrocarbon refrigerant soluble in said solvent.

2,040,909
ABSORPTION REFRIGERATION
Glenn F. Zellhoefer, Bloomington, Ill.
No Drawing. Application May 3, 1935, Serial No. 19,598
2 Claims. (Cl. 252—5)

2. A refrigerant mixture for the absorbent type of refrigeration apparatus consisting of tetrahydrofurfuryl ether of ethylene glycol acetate as the essentially predominant solvent, and a volatile chemically stable halogenated hydrocarbon refrigerant soluble in said solvent.

2,040,910
ABSORPTION REFRIGERATION
Glenn F. Zellhoefer, Bloomington, Ill.
No Drawing. Application May 3, 1935, Serial No. 19,599
2 Claims. (Cl. 252—5)

2. A refrigerant mixture for the absorption type of refrigeration apparatus consisting of dimethyl ether of hexaethylene glycol as the essentially predominant solvent, and a volatile chemically stable halogenated hydrocarbon refrigerant soluble in said solvent.

2,040,911
ABSORPTION REFRIGERATION
Glenn F. Zellhoefer, Bloomington, Ill.
No Drawing. Application May 3, 1935, Serial No. 19,600
2 Claims. (Cl. 252—5)

2. A refrigerant mixture for the absorption type of refrigeration apparatus consisting of di-tetrahydrofurfuryl ether of diethylene glycol as the essentially predominant solvent, and a volatile chemically stable halogenated hydrocarbon refrigerant soluble in said solvent.

2,040,912
ABSORPTION REFRIGERATION
Glenn F. Zellhoefer, Bloomington, Ill.
No Drawing. Application July 29, 1935, Serial No. 33,709
2 Claims. (Cl. 252—5)

1. A refrigerant mixture for the absorption type of refrigeration apparatus consisting of diethyl ether of tetraethylene glycol as the essentially predominant solvent, and a volatile, chemically stable, halogenated hydrocarbon refrigerant material soluble in said solvent.

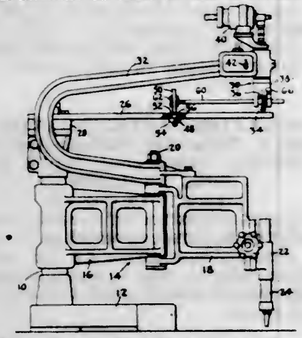
2,040,913
PROCESS FOR PRODUCING A TOLYL CARBINOL
William J. Amend, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 29, 1934, Serial No. 733,124
19 Claims. (Cl. 260—153)

1. A process of hydrogenating a toluic aldehyde having the aldehyde radical directly attached to the ring which comprises contacting said toluic aldehyde and hydrogen in the presence of a catalyst at a temperature of about 25° C. to 200° C. and at a superatmospheric pressure.

2,040,914
UNIVERSAL TORCH MACHINE
James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application October 26, 1933, Serial No. 695,315
9 Claims. (Cl. 266—23)

1. A cutting or welding machine comprising a frame supporting a torch holder for universa

movement in a plane, a tracer including a swivel portion and a traction wheel carried by the swivel portion in such position that the point of traction of the driving wheel is in line with the axis of rotation of said swivel portion, means connecting the tracer with the frame in such relation to the torch holder that said torch holder moves in a path similar to that of the traction wheel in



any and changing directions in a plane, a supporting table on which the tracer runs, a post connected with the table and extending upward from the table, and a radius member, extending around the outside of the post as a bearing, and connecting the tracer with the center post to cause the tracer to follow a circular course.

2,040,915
INTERNAL COMBUSTION ENGINE
Irving E. Aske, Muskegon, Mich., assignor to Campbell Wyant and Cannon Foundry Company, Muskegon Heights, Mich., a corporation of Michigan
Application July 23, 1934, Serial No. 736,477
2 Claims. (Cl. 123—173)

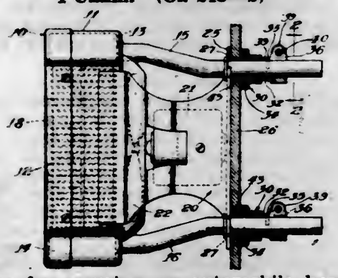


1. A cylinder head for internal combustion engines, the said head comprising a body having a face for closing the end of the cylinder, a cooling fluid chamber in spaced relation to the said face, a heat transfer member extending from said face into the said cooling fluid chamber and a washer-like member embedded into the wall of the body between the said face and the cooling fluid chamber and into the exterior of the heat transfer member for the purpose specified.

2,040,916
ADHESIVE
Niels Holger Bjerg, Chicago, Ill., assignor to A. B. Dick Company, Chicago, Ill., a corporation of Illinois
No Drawing. Application August 8, 1934, Serial No. 738,933
4 Claims. (Cl. 154—40)

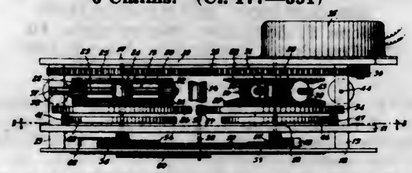
4. A method of sealing or joining moisture-proof cellulistic materials, including sheets of regenerated cellulose and of cellulose acetate coated with a waterproof composition, to like or dissimilar material, which comprises applying to at least one of the materials to be united an adhesive comprising as essential ingredients nitrocellulose, a solvent plasticizer for the nitrocellulose, castor oil, and solvents for nitrocellulose, which forms, when set, a flexible transparent film fused with the surface of the cellulistic material, the solvent plasticizer amounting to one-third the amount of nitrocellulose by weight and the oil amounting to twice the amount of nitrocellulose by weight, and uniting the materials.

2,040,917
HEAT EXCHANGE DEVICE
Samuel Briskin, Chicago, Ill., assignor to Excel Auto Radiator Company, a corporation of Delaware
Application April 30, 1935, Serial No. 19,018
1 Claim. (Cl. 248—2)



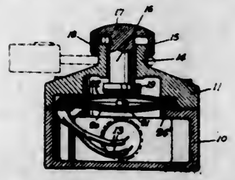
Means for securing an automobile heater to a vehicle dashboard comprising a supporting member attached to the heater and abutting against one side of a dashboard and having a tube extending through the dashboard, a slotted sleeve on said tube having a smooth frusto-conical end portion, a nut screw threaded on said sleeve and having a smooth frusto-conical bore portion to wedgingly engage the similarly shaped end portion of the sleeve for compressing the sleeve into engagement with said tube, and a second nut screw threaded on said sleeve for clamping said dashboard between the second nut and said supporting member.

2,040,918
TELEMETERING DEVICE
Carlton W. Bristol, Naugatuck, Conn., assignor to The Bristol Company, Waterbury, Conn., a corporation of Connecticut
Application September 14, 1934, Serial No. 743,967
6 Claims. (Cl. 177—351)



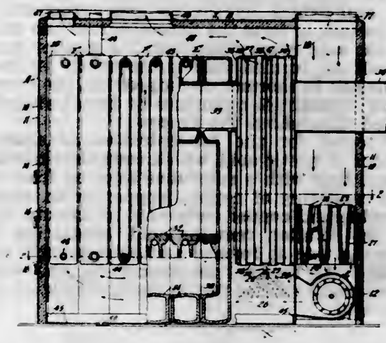
1. In a telemetering system: a receiving device subject to transmitted electrical impulses and comprising an epicyclic gear train including a normally rotating portion and a normally stationary portion, a second epicyclic gear train including a normally rotating portion and a normally stationary portion, means to impart continuous rotation to both trains, means to stop the normally rotating portion of the first-named train during transmission of an electrical impulse and permit concurrently therewith rotation of the normally rotating portion of the second-named train, and vice versa, and means associated with the respective normally stationary portions of both trains for engagement therewith and subject to deflection thereby in opposite senses.

2,040,919
CIRCUIT CLOSER
Samuel P. Caldwell, Hamden, Conn., assignor to The Engineering and Research Corporation, New Haven, Conn., a corporation of Connecticut
Application April 7, 1932, Serial No. 603,699
1 Claim. (Cl. 200—159)



A circuit closer including a disk, a contact element extending from said disk, an inherently resilient strip insulated from said element and extending from a point adjacent the edge of the disk across the same and to a point substantially diametrically opposite said first point, the ends of said strip being maintained substantially against movement with respect to said disk and the body of said strip normally clearing said contact element, and a pair of disks of flexible material and of a circumference greater than said first named disk, said pair of disks being disposed beyond the outer faces of said strip and said first named disk and the edges of said latter disks being secured to each other at points beyond the edge of said first named disk.

2,040,920
UNITARY AIR CONDITIONER
Charles Christofferson and Alfred G. Wahlberg, Duluth, Minn.
Application May 12, 1933, Serial No. 670,726
3 Claims. (Cl. 126—101)



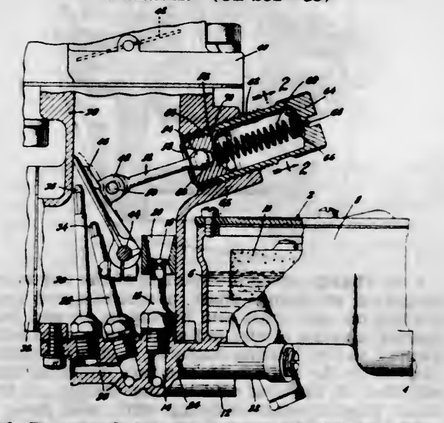
1. In a unitary air conditioner, the combination with a boiler; of a plurality of radiating water chambered units on the exterior of and communicating with said boiler; a heat economizer having a lower air inlet and associated with the boiler; an air filter; a partition between the economizer and filter; and a casing enclosing said boiler, units, filter, partition and economizer, said casing and partition forming a passage for conducting air through the filter, and delivering it adjacent the lower inlet end of the economizer, the casing and boiler forming additional passages farther from the partition whereby part of the air, after passing the filter, passes upwardly through the economizer and part up alongside the boiler in contact with said units.

2,040,921
MOLDED SHOE AND METHOD OF MAKING THE SAME
Elbert A. Corbin, Jr., Gradyville, Pa., assignor of one-half to William C. Biddle, Lansdowne, Pa.
Application February 17, 1934, Serial No. 711,638
4 Claims. (Cl. 18—47.5)



3. The method of making a one-piece shoe having an upper, a heel, and a sole, which consists in forcing a mixture of cellulose fiber and liquid latex into a closed mold, comprising an inner core and an outer casing, said inner core being so spaced from said outer casing as to provide a relatively narrow space for the formation of the upper of the shoe, a relatively wider space for the formation of the sole of the shoe, and a relatively deep pocket for the formation of the heel of the shoe, and treating the molded shoe before it is cured with phenol condensate.

2,040,922
CARBURETOR
Lester M. Crabb, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 5, 1934, Serial No. 713,977
5 Claims. (Cl. 261—39)

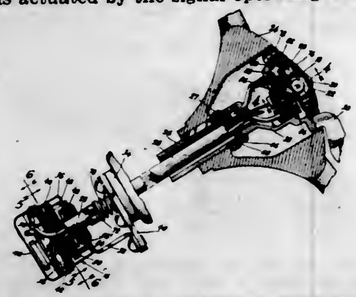


1. In a carburetor having a fuel jet and an air valve immediately beyond the jet, a link pivotally connected to the air valve, spring means exerting pressure against the other end of the link, a casing surrounding the spring means and temperature responsive means engaging the outer end of the spring and the casing to vary the force of the spring in accordance with the temperature.

2,040,923
VEHICLE SIGNAL
Harry C. Doane, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 22, 1933, Serial No. 677,021
7 Claims. (Cl. 177—339)

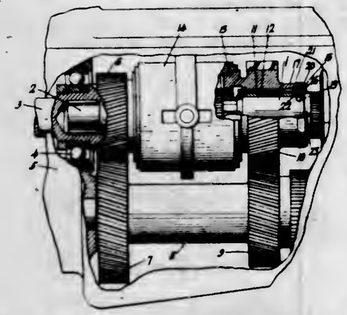
1. The combination of a hollow steering shaft, a steering wheel on the shaft having a hollow

hub, a signal operating shaft enclosed within the hollow shaft and provided with an operating member at the upper end thereof, a signal, means actuated by the signal operating shaft for



actuating the signal, and means housed within said hub for connecting the shafts to return the signal operating shaft to off position following its movement to on position through manipulation of the operating member.

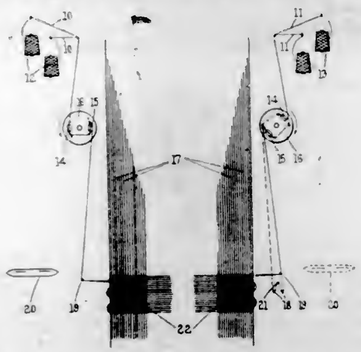
2,040,924
BEARING LUBRICATION
John Dolza, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 5, 1935, Serial No. 34,748
5 Claims. (Cl. 308—78)



5. In change speed mechanism of the character described, an output shaft, a second speed gear bearing on said shaft and having in an end face thereof a series of circumferentially spaced slots leading to the bearing surfaces, a thrust washer carried by the shaft with one face engaging said end face of the gear and having therein an annular groove communicating with said slots, a collecting pocket carried by the washer on the other face thereof and communicating with said groove through an opening in the washer, and an outwardly flared peripheral surface on the shaft adjacent said pocket to lead thereinto lubricant thrown from the shaft upon rotation thereof.

2,040,925
TEXTILE OPERATION
Henry Dreyfus, London, England
Application March 25, 1932, Serial No. 601,293
In Great Britain June 9, 1931
6 Claims. (Cl. 139—126)

1. In the method of manufacturing a woven fabric, the steps of drawing at least two separate threads into a succession of loops at the side of a shuttleless loom, maintaining said threads in parallel untwisted and separate relationship during drawing, simultaneously inserting lengths of the plurality of threads so drawn into one shed to form one pick, and similarly inserting a further



pick connected to the first pick into a subsequent shed so as to form pairs of connected picks, each pick consisting of a plurality of separate lengths of thread laid in parallel untwisted relationship.

2,040,926
CONCENTRATION OF ALIPHATIC ACIDS
Henry Dreyfus, London, England
No Drawing. Application August 30, 1932, Serial No. 631,101. In Great Britain October 10, 1931
8 Claims. (Cl. 260—122)

1. Process for the concentration of aqueous solutions of aliphatic acids, which comprises treating the solutions with a substance, selected from the group consisting of metals from whose salts with the aliphatic acids aliphatic acids may be recovered by thermal decomposition of the salts, and oxides, hydroxides and carbonates of such metals, to form the normal salt of the metal with the acid, separating from the mother liquor the salt so formed and subsequently subjecting the salt to thermal decomposition, the formation of substantial quantities of basic salt being avoided throughout the process.

8. Process for the concentration of aqueous solutions of acetic acid, which comprises treating the solutions with a substance selected from the group consisting of copper, copper oxide, copper hydroxide and copper carbonate in amount such that the solution remains acid, separating the copper acetate so formed and subsequently subjecting it to thermal decomposition, the whole process being carried out in the presence of free acetic acid.

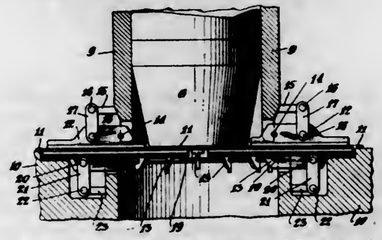
2,040,927
COLORATION OF TEXTILE MATERIALS
George Holland Ellis and Ernest William Kirk, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application October 6, 1932, Serial No. 636,578. In Great Britain October 26, 1931
15 Claims. (Cl. 8—6)

1. Process for the coloration of textile materials which comprises coupling thereon an azo coupling component which couples in an aryl residue with a diazo compound obtainable by diazotizing an anthraquinone compound containing an external diazotizable amino group.

2,040,928
ALKOXY-ALKYL-AMINO-BENZOTHIAZOLES AND THEIR PRODUCTION
Max Engelmann, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 14, 1932, Serial No. 622,461
1 Claim. (Cl. 260—44)

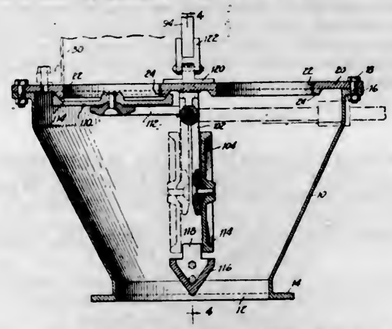
6 -n-butyloxy - 2 - methylimino - benzothiazole, said compound having a melting point of about 117° C.

2,040,929
METHOD OF CORRUGATING SHEET MATERIAL
Byron Franghia, Paris, France
Application May 6, 1935, Serial No. 20,047
In Luxembourg May 7, 1934
4 Claims. (Cl. 153—76)



1. In a device for corrugating blanks of thin sheet material, a series of radially disposed pivoted pawls for supporting said material, a reciprocatory member for forcing said material and said pawls downwardly about the pivots of the latter, means arranged in spaced staggered relation with respect to said supporting pawls whereby the relative movement of the latter causes the sheet material clamped therebetween to be corrugated, said means comprising rigid members carried by said reciprocatory member.

2,040,930
DISTRIBUTING MECHANISM
Martin Frisch, Bronx, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application December 31, 1930, Serial No. 505,701
15 Claims. (Cl. 277—52)

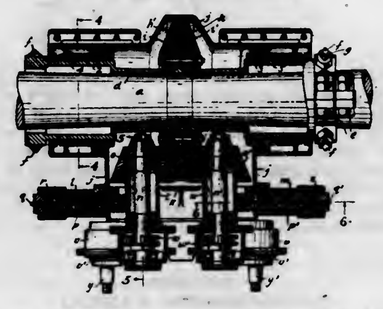


1. In a valve of the type described, a hollow member having an inlet opening, a member secured to said hollow member provided with a pair of outlet openings therethrough, a valve member pivotally mounted between said openings, means for rotating said valve member so as to close either of said outlet openings, means for retaining said valve member in a neutral position such that both of said outlet openings are open and means for shielding said valve member from the material passing through said valve when said valve member is in neutral position.

2,040,931
METHOD FOR PRODUCING ACTIVATED CARBON
Walter Fuchs, Ostrava, Czechoslovakia
No Drawing. Application November 27, 1933, Serial No. 699,920. In Germany January 26, 1933
6 Claims. (Cl. 252—3)

1. A method of producing activated carbon from lignite, which consists in first substantially removing the ash-forming constituents by washing the lignite with hydrochloric acid, and then carbonizing the product in the presence of an activating gas.

2,040,932
CAR AXLE DRIVE
Carl F. Gerlinger, Dallas, Oreg.
Application October 22, 1934, Serial No. 749,409
5 Claims. (Cl. 74—209)

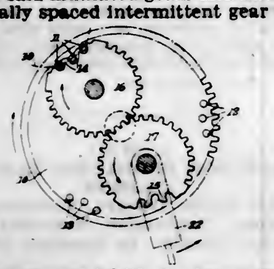


1. In a car axle drive a longitudinally divided sleeve adapted to be mounted on a car axle, means for securing said sleeve rigidly in place on said axle, and a friction drive wheel carried centrally by said sleeve; a power transmitting shaft journaled on each of opposite sides of said drive wheel and perpendicular to the axis of said car axle; means including independently movable bearings supporting each power transmitting shaft for movement parallel to the longitudinal axis of said car axle, each of such shafts carrying a friction-cone engaging said drive wheel; means, including springs, holding said friction-cones in operative contact with said drive wheel; a power takeoff shaft journaled below each of said power transmitting shafts; driving connections between the said related power transmitting and power takeoff shafts.

2,040,933
GEARING
George A. Gillen, Bronx, N. Y.
Application August 14, 1934, Serial No. 739,719
2 Claims. (Cl. 74—319)

1. Gearing comprising a pair of mutilated gears on adjoining parallel axes and having meshing gear segments on their opposed confronting edges and provided with intermittent gear teeth of different form on their exposed unmeshed edge portions and a driver journalled on an axis between

the axes of said mutilated gears and having three sets of equally spaced intermittent gear teeth for



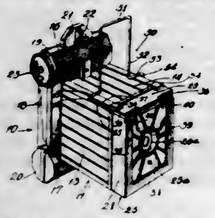
alternate engagement with the intermittent gear teeth of said mutilated gears respectively.

2,040,934
MECHANICAL MOVEMENT
George A. Gillen, Bronx, N. Y.
Application August 23, 1934, Serial No. 741,049
13 Claims. (Cl. 74—37)



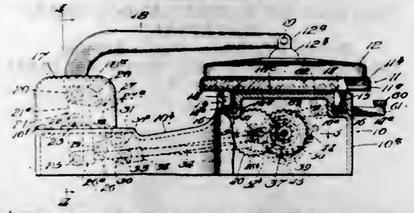
1. A mechanical movement comprising a driving belt in an endless loop and having toothed driving portions in one run opposite open slotted portions in the opposite run and driven mechanism engaged by both said runs of the belt and toothed and positioned to be driven first in one direction by a toothed portion in one run and then in the opposite direction by a toothed portion in the opposite run of said belt.

2,040,935
PHOTOGRAPHIC CAMERA
Otto W. Githens, New York, N. Y., assignor to Universal Camera Corp., New York, N. Y., a corporation of New York
Original application August 4, 1933, Serial No. 683,595, now Patent No. 2,029,475. Divided and this application March 10, 1934, Serial No. 714,910
17 Claims. (Cl. 33—64)



2. A camera casing having a prismatic portion, and a finder having a pair of parallel vertical portions interconnected at the top by a horizontal portion, aligned portions extending outwardly from said parallel portions and contacting the top of the camera casing, parallel portions extending downwardly from the outer ends of said aligned portions and substantially contacting the sides of said camera casing, portions extending forwardly from the bottom ends of said downwardly extending portions and contacting the sides of said camera casing, and aligned portions extending inwardly from the forward ends of said forwardly extending portions and contacting the front wall of said camera casing, and a cover for said front wall of the casing attached thereto and contacting said inwardly extending portions.

2,040,936
IRONING MACHINE
Harold L. Hart, River Forest, Ill., assignor to Electric Household Utilities Corporation, Chicago, Ill., a corporation of Illinois
Application April 2, 1932, Serial No. 602,764
9 Claims. (Cl. 68—9)

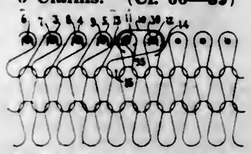


1. The combination in an ironing machine, of a horizontal ironing plate, a second plate mounted over said first named plate, a single lever connected to and supporting said second named plate, an upwardly extending support pivotally mounted at its intermediate point and having its upper end pivotally connected to and supporting said lever, and reciprocating means connected to the lower end of said support and movable horizontally for effecting a reciprocating motion thereof to cause said second named plate to move back and forth in a horizontal plane over said first named plate.

2,040,937
LAMINATED ARTICLE AND MANUFACTURE OF SAME
John W. Haught, Arlington, N. J., and Ernest Rodman, Marshallton, Del., assignors to Du-pont Viscoloid Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 21, 1934, Serial No. 736,374
16 Claims. (Cl. 49—81)

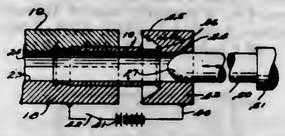
1. A laminated article comprising two rigid sheets united by a plastic interlayer sheet of a composition comprising 100 parts of an organic acid ester of cellulose and, as a plasticizer therefor, 66–150 parts of an ester of a poly-glycol wherein both of the hydroxyl groups are esterified by a saturated fatty acid containing from 3–5 carbon atoms, inclusive.

2,040,938
KNITTING METHOD AND MECHANISM
Louis Hirsch, Weehawken, N. J., assignor to Louis Hirsch Textile Machines, Inc., New York, N. Y., a corporation of New York
Application May 31, 1935, Serial No. 24,179
6 Claims. (Cl. 66—89)



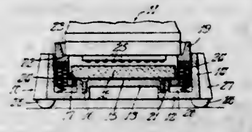
1. The method of narrowing knitted fabric which consists of transferring a plurality of marginal needle loops of a course inwardly each from the needle upon which it is formed to another needle and simultaneously transferring a loop adjacent the innermost one of said plurality of loops inwardly to two other juxtaposed needles.

2,040,939
METHOD OF MAKING RIVETS
Louis C. Huck, Buchanan, Mich., assignor to Huxon Holding Corporation, Detroit, Mich., a corporation of Michigan
Application December 1, 1931, Serial No. 578,314
Renewed October 19, 1935
2 Claims. (Cl. 10—27)



1. The method of providing a head on a tubular rivet member, which comprises holding the member on a support so that one end projects therefrom, passing an electric current through such projecting end to heat it, inserting a supporting pin into the projecting end immediately after the heating operation, and then axially compressing the heated end to form a head.

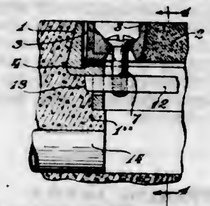
2,040,940
STAMP SUPPORT AND PAD
Austin C. Johnson and Theodore M. Wroble, Chicago, Ill.
Application June 14, 1935, Serial No. 26,612
7 Claims. (Cl. 101—333)



1. A device of the kind described comprising a cup-shaped base member, a pad mounted in the base member, a member vertically movable between the pad and the side walls of the cup-shaped member, said movable member normally projecting above the pad with its projecting portion adapted as a seat for a stamp, resilient means providing a support for the movable member, said means yieldable under pressure to permit lowering of the stamp into contact with the pad.

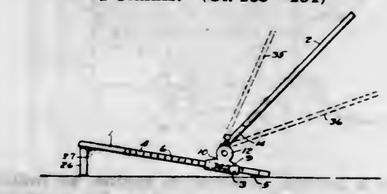
2,040,941
FLUID TREATMENT APPARATUS
Ernest Reginald Jones, Bromsgrove, Arthur Benjamin Denton, Wollaston, Stourbridge, and James Alger Coombs, London, England, assignors to Activated Sludge Incorporated, Chicago, Ill., a corporation of Delaware
Application February 20, 1933, Serial No. 657,690
In Great Britain February 22, 1932
4 Claims. (Cl. 210—8)

1. In a fluid treatment plant, tanks adapted to receive the fluid to be treated, air or gas receiving and supplying spaces formed in the bottoms of said fluid treating tanks, porous bodies covering said spaces, sealing means between said porous body and said tanks means such as transverse bars inserted in recesses formed in the side walls of said spaces, and mechanical means associated



with said transverse means for holding the porous bodies against sealing means.

2,040,942
SUN BATH SEAT
Charles J. Katenkamp, Arlington, N. J.
Application February 11, 1935, Serial No. 6,072
4 Claims. (Cl. 155—154)



1. A beach seat comprising a relatively long horizontal board seat section adapted to rest on the ground, a back, a sliding member extending across and embracing said seat section and longitudinally slidable thereon, means securing said sliding member in different positions upon the seat section, cylindrical sockets on the ends of said sliding member, hubs at the lower end of said back positioned to operate in said sockets to adjust the position of said back in relation to the seat section, and means holding said hubs in different positions in said sockets for angular adjustment of said back in relation to the seat section.

2,040,943
FOOD PRODUCT AND PROCESS
Young S. Kang, Chicago, Ill., assignor to Minerva L. Guthapfel, sole proprietor of Sugar-Less Candy Company, Evanston, Ill.
No Drawing. Application February 12, 1934, Serial No. 710,892
4 Claims. (Cl. 99—83)

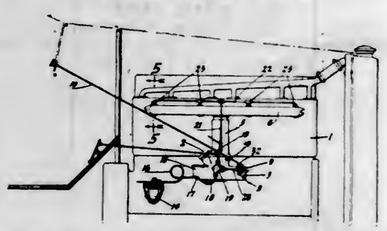
1. The process of preparing an all cereal food product having the appearance, sweet taste, stretchability, and many characteristics of candy made from sugar, which comprises mixing ground rice and malted barley together, boiling the same in water until the solids separate from the liquid by settling, simmering the mixture until the solids form a relatively compact mass, straining the mixture, pressing the mash, and cooking the strained liquid until sweet and thick, and subjecting the mass to pulling.

2,040,944
PROCESS FOR PRODUCING POLYHYDROXY ALCOHOLS
Wilbur A. Lazier, Marshallton, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 22, 1933, Serial No. 690,568
13 Claims. (Cl. 260—156.5)

1. The process of converting a non-aromatic polybasic acid having more than one carbon atom

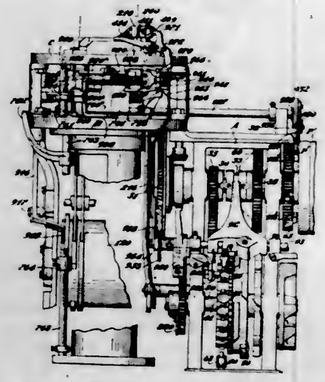
per carboxyl group to a polyhydric alcohol which comprises substantially completely esterifying the acid with a monohydric aliphatic alcohol having at least four carbon atoms, then reacting a mixture of the resulting product and hydrogen at a temperature in excess of 200° C. and a pressure in excess of 50 atmospheres in the presence of a hydrogenation catalyst.

2,040,945
PRIMING DEVICE
Harry O. Leuschner, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 16, 1932, Serial No. 599,111
4 Claims. (Cl. 123—187.5)



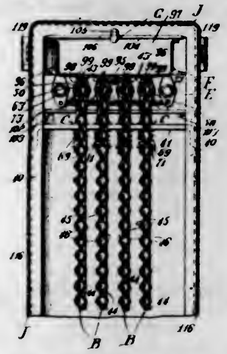
2. In a internal combustion engine, an induction system, including a carburetor, for supplying a combustible mixture to the cylinders of the engine, a valve for controlling the admission of air to the carburetor, a valve for controlling the discharge of combustible mixture from the carburetor, means for introducing fuel into the induction system between the carburetor and the intake ports of the cylinders, and means for rendering the mentioned means operative and partially opening the second mentioned valve when the first mentioned valve approaches fully closed position.

2,040,946
KNITTING MACHINE
Ernest W. Marshall and Laurence B. Holt, Laconia, N. H., assignors to Scott & Williams, Incorporated, New York, N. Y., a corporation of Massachusetts
Application March 2, 1933, Serial No. 659,272
18 Claims. (Cl. 66—50)



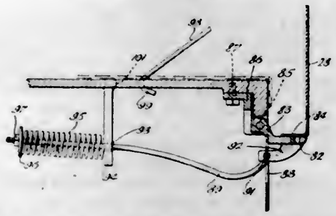
1. A circular knitting machine having a needle cylinder carrying needles and movable instrumentalities for selectively actuating the needles, a pattern drum having indications normally operative to determine selective movement of said instrumentalities, pivotally mounted motion-transmitting levers interposed between the indications of said drum and said instrumentalities, a common, movable support for the drum and said motion-transmitting levers, and pattern controlled means operative to move said support, with the drum and the motion-transmitting levers, away from the needle cylinder.

2,040,947
HEAT EXCHANGER
Oliver W. Mojonnier, River Forest, and Harry G. Mojonnier, Oak Park, Ill., assignors to Mojonnier Bros. Co., a corporation of Illinois
Application April 17, 1935, Serial No. 16,834
30 Claims. (Cl. 257—184)



2. A heat exchanger for liquids comprising a plurality of heat exchanging sections positioned side by side in spaced relation for operation, each of said sections having at its top a thin fin-like edge, a removable liquid distributing holder having a plurality of cooperating grooves side by side into which said thin edges of said sections nicely fit, said section edges serving as supports for said holder, said holder having outlet means in the walls of said grooves to supply liquid to both sides of each of said sections, and pressure means for keeping said holder tightly seated upon said edges.

2,040,948
GAS STOVE
Lewis Moore and Isaiah S. Holloway, Joliet, Ill., assignors to Moore Brothers Company, Joliet, Ill., a corporation of Illinois
Application January 20, 1932, Serial No. 587,726
1 Claim. (Cl. 126—37)

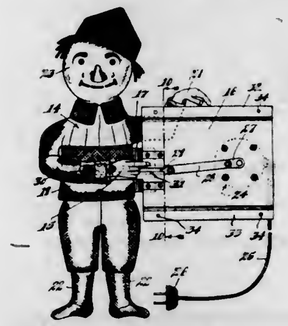


In a stove having a sheet metal body provided with top and bottom frame portions and divided into central oven and broiler compartments and an upper burner compartment provided with a burner top, and side compartments disposed one on each side of said first mentioned compartments, a table top member hingedly connected to said top frame portion adjacent to its rear edge for vertical swinging movement, said top being co-extensive with said burner top and said side compartments when swung to its horizontal position, an ear provided on said hinged connection, a bracket member depending from said top frame member and provided with an aperture therein, a rod having one end pivotally connected with said ear and extending forwardly through the aperture in said bracket member, an abutment carried by the forward end of said rod, and a spring interposed between said abutment and said bracket member for yieldably opposing the downward swinging movement of said table top.

2,040,949
DEGUMMING OF SILK
Henry Charles Olpin and George Holland Ellis, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application December 16, 1933, Serial No. 702,792. In Great Britain January 11, 1933
4 Claims. (Cl. 8—2)

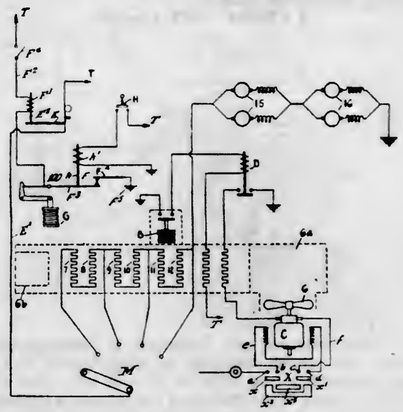
3. Process for the degumming of natural silk in materials comprising both natural silk and a cellulose ester, which comprises subjecting the materials to a pretreatment at approximately atmospheric temperature with an aqueous solution of a substance selected from the group consisting of caustic alkalies and alkali metal carbonates, said solution having an alkalinity equivalent to that of a sodium hydroxide solution of concentration between 2 and 12 grams per litre, and thereafter subjecting them to a degumming operation.

2,040,950
ADVERTISING DEVICE
Richard F. Outcault, Flossmoor, Ill.
Application August 15, 1934, Serial No. 739,875
8 Claims. (Cl. 40—126)



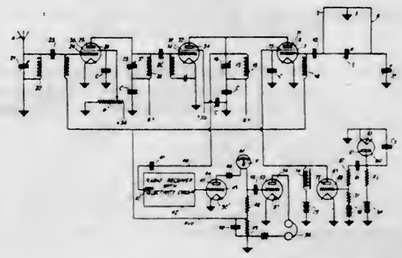
1. A device of the character described, comprising a model, a movable member on said model, a supporting band on said model, a mounting plate arranged adjacent said model, a rigid connection between said band and said mounting plate, operating mechanism mounted upon said mounting plate, and an operative connection between said operating mechansm and said movable member.

2,040,951
MOTOR RESISTANCE HEATER
Robert J. Parsons, Schenectady, and John W. Conway, Mechanicville, N. Y., assignors to Consolidated Car-Heating Company, Inc., Albany, N. Y., a corporation of New York
Application May 20, 1931, Serial No. 538,814
6 Claims. (Cl. 219—20)



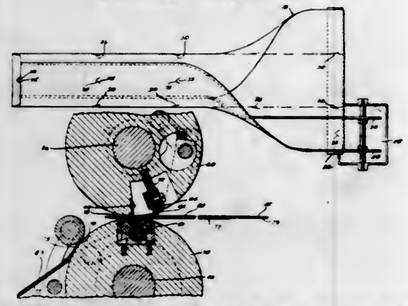
1. In a car heating system, a motor circuit including motor rheostat coils, a fan so positioned as to direct a current of air over said coils, a circuit for the fan motor independent of the first mentioned motor circuit, a switch in the fan motor circuit, and thermally responsive means controlling said fan motor circuit, said last mentioned means including a thermostat located adjacent the rheostat coils and so constructed as to be responsive to a predetermined temperature produced by the rheostat coils while in operation.

2,040,952
DIRECTIONAL RECEIVER
Harold O. Peterson, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 1, 1932, Serial No. 640,578
18 Claims. (Cl. 250—11)



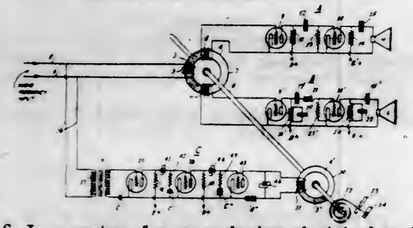
1. Directional receiving apparatus comprising, in combination, a non-directional aerial, a directional aerial, a signal combining circuit connected with both of said aerials to receive energy therefrom, means for interrupting periodically the transfer of energy by one of said aerials to said combining circuit, and means for utilizing the energy flowing in said combining circuit for producing indications.

2,040,953
PROCESS OF MAKING COMPARTMENT BAGS
George W. Poppe, Brooklyn, N. Y., assignor to Equitable Paper Bag Co., Inc., Brooklyn, N. Y., a corporation of New York
Original application March 22, 1934, Serial No. 716,771. Divided and this application July 31, 1935, Serial No. 33,970
5 Claims. (Cl. 93—35)



1. The process of forming a compartment paper bag which consists in applying a line of paste adjacent one edge of a web of paper and another paste line separated therefrom a distance equal to the desired width of the compartment, folding said web to form a tube, severing the tube transversely into bag lengths in such a manner as to form complementary flaps at its respective ends and closing one end of the bag length to form a bag bottom.

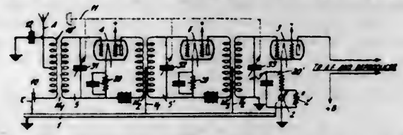
2,040,954
AUTOMATIC TONE CONTROL
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 21, 1930, Serial No. 445,937
22 Claims. (Cl. 179—171)



6. In a system for reproducing electrical oscillations, a source of such oscillations, a first selective amplification unit arranged to amplify high audio frequencies comparatively better than low audio frequencies, a second selective amplification unit having frequency characteristics inverse to that of the first unit, and a common means responsive to the energy level of said source for automatically varying in opposite sense the amount of electrical energy fed into the first and second units.

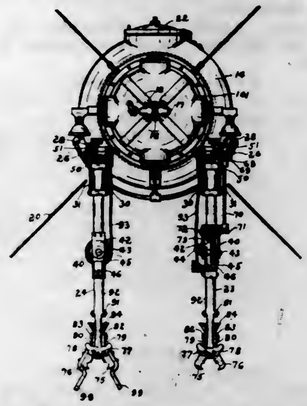
2,040,955
AUTOMATIC VOLUME AND FIDELITY CONTROL
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 29, 1932, Serial No. 635,371
14 Claims. (Cl. 250—20)

1. A combined volume and selectivity control for a receiver, the receiver including an antenna circuit, an amplifier coupled thereto, and a detector coupled to the amplifier, said control comprising means for varying the energy transfer



from the antenna to the amplifier, means for regulating the amplification of signals, and electro-mechanical means, responsive to detector output variations, to control both said means.

2,040,956
UNDERWATER SALVAGE DEVICE
Eugene J. Romano, Seattle, Wash.; Lula Romano administratrix of said Eugene J. Romano, deceased
Application March 27, 1933, Serial No. 663,029
9 Claims. (Cl. 61—69)



1. The combination with a submarine vessel, of a non-rotatable main, tubular arm, a power shaft journaled in the vessel and a tubular control shaft surrounding the power shaft and journaled in the vessel, said arm having a rigid connection with the tubular shaft exterior of the vessel and a pivotal bearing on the power shaft whereby the arm may swing in a plane parallel with the vertical axis of the vessel, means for turning the tubular shaft and means for turning the power shaft, a forearm pivoted on the main arm and a segmental rack rigid with the forearm, a counter shaft journaled in the main shaft, transmission gears between the power shaft and the countershaft, and a pinion on the countershaft engaging said segmental rack.

2,040,957
METALWORKING PROCESS
Wilbur E. Sanders, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application April 28, 1933, Serial No. 668,296
4 Claims. (Cl. 29—159.2)

1. The process of making steel articles comprising producing stock from steel of relatively coarse grain, heating said stock to forging temperature, forging the stock between dies formed to confine and densify the forged article, and machining the article, the grain of the stock before forging corresponding approximately to numbers on the McQuaid-Ehn scale as follows: for steels of the 1300, 3100, 3200, 5100 series,



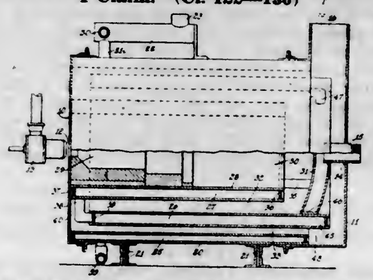
numbers 3–5; for steels of the 2000, 2300, 2500 series, numbers 4–6; for steels of the 4100, 6100 series, numbers 5–7 and for steels of the 4600, 4600 series, numbers 6–8.

2,040,958
CONNECTER DEVICE
Monroe Schottenfels, West New York, N. J.
Application April 29, 1935, Serial No. 18,771
6 Claims. (Cl. 24—198)



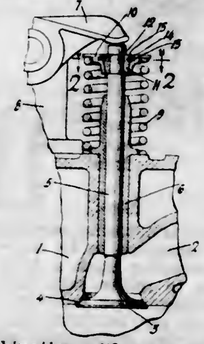
1. A link coupling comprising a body and an arm having substantially parallel walls defining an elongated eye, a hook on the arm forming one end of the eye and also forming with the body an inclined entrance throat at one end of the eye, said hook having at the end of the eye a jutting portion lying in a plane between the planes of the substantially parallel walls, and nodes projecting into the eye the free tips of which lie substantially in the plane of the jutting portion of the hook, said nodes projecting a distance between themselves from the body.

2,040,959
HEAT INTERCHANGER
Alfred F. Schumann, Baltimore, Md., assignor to Hauck Manufacturing Company, Brooklyn, N. Y., a corporation of New York
Application December 15, 1934, Serial No. 757,615
1 Claim. (Cl. 122—136)



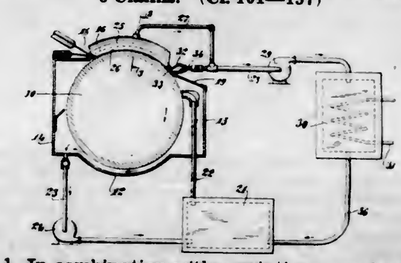
A heat interchanger comprising a central combustion chamber and means to direct therein a gaseous heating medium, said combustion chamber being surrounded by a series of coaxial, alternately arranged liquid heating chambers and passes for the gases from the said combustion chamber, a liquid distributing head for delivering the liquid to the liquid heating chamber nearest said combustion chamber, the said head being adapted to receive liquid from an external source and its inner surface being displaced from but located over the far end of the combustion chamber to direct the gases issuing therefrom to the first of the passes, and the said head also being supported by the first of said liquid heating chambers and being in contact at its circumference with the next-succeeding liquid heating chamber which extends beyond the same and is unattached thereto.

2,040,960
VALVE SPRING KEY
Harry G. Smith, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application March 1, 1935, Serial No. 8,835
4 Claims. (Cl. 251—144)



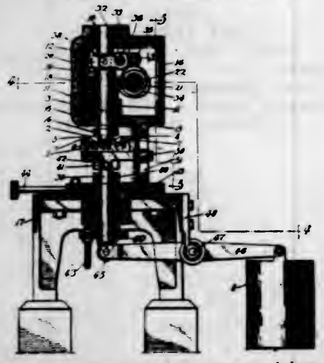
1. In combination with a poppet valve having a stem and a compression spring action through the stem to seat the valve, of a collar seating the spring and having a tapered opening therein, a tapered split key seating on the stem within said opening, and a snap spring retainer fitting alined recesses in the collar and key, the recess in the key being axially elongated for a loose fit of the retainer and having its outer wall nearer the outer end of the assembled key and collar than the outer wall of the recess in the collar to prevent force of the valve spring being exerted on the retainer and the recess in the collar being radially elongated for accommodating expansion of the retainer when cammed outwardly by the key upon relative axial movement of the key and collar.

2,040,961
INKING SYSTEM FOR PRINTING PRESSES
Clarence E. Stouch, Great Neck, N. Y., assignor to Speedry Gravure Corporation, New York, N. Y., a corporation of New York
Application August 17, 1935, Serial No. 36,609
6 Claims. (Cl. 101—157)



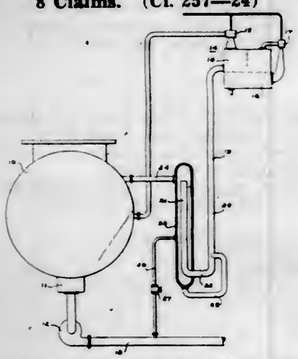
1. In combination with a printing press having a rotatable printing cylinder and an ink housing adapted to receive ink having a relatively volatile ingredient, means to recover volatile ink ingredients escaping from adjacent the cylinder, means to condense the volatile ink ingredients, and means to return the condensed ingredients to the ink housing.

2,040,962
WEAR TESTING MACHINE
Clifton O. Strom, Racine, Wis.
Application July 21, 1933, Serial No. 681,468
7 Claims. (Cl. 73—51)



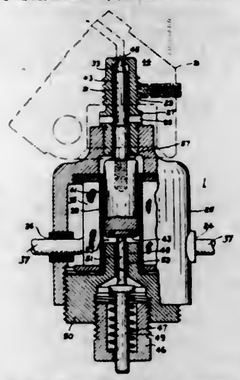
1. A wear testing machine, comprising a holder to carry the substance to be tested, a tool to engage said substance upon a fixed given area thereof, means to rotate said tool and simultaneously reciprocate the same into and out of engagement with said substance to subject it to intermittent friction throughout said area, and means to vary the time said tool is in engagement with said substance during each reciprocation of said tool.

2,040,963
CONDENSER
Ulrich A. Taddiken, Ridley Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 13, 1935, Serial No. 40,354
8 Claims. (Cl. 257—24)



1. In condensing apparatus, first and second condensing elements normally operated so that the absolute pressure and temperature in the first element are higher than in the second element, a conduit for draining condensate from the first element to the second element and including a loop seal having inlet and outlet legs, a storage receptacle in communication with the second element and arranged so that the upper end of the outlet leg of the seal discharges thereinto, and a conduit for conducting liquid from the storage chamber and communicating with the inlet leg so as to secure admixture of liquid from the storage chamber with that passing through the inlet leg, whereby recirculation of liquid occurs in the loop seal in such manner as to reduce the temperature of liquid flowing through the outlet leg and consequently to reduce the boiling or flashing action.

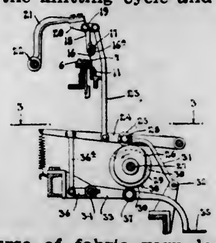
2,040,964
UNLOADER VALVE FOR FLUID COMPRESSORS
Frederic L. Tarleton, Greenville, Mich., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application September 15, 1931, Serial No. 562,882. Divided and this application October 28, 1932, Serial No. 640,105
5 Claims. (Cl. 137—139)



1. In an unloader device, a magnetic circuit including fixed and movable elements and defining therebetween at least one air gap, a valve comprising fixed and movable portions, said movable portion being movable with the movable element of the magnetic circuit, means for varying the air gap and the travel of said magnetic circuit movable member, said magnetic circuit elements being so arranged and constructed that an air gap exists therebetween when said movable element of the magnetic circuit has responded to a flux predetermined by said air gap varying means, and means for overcoming the flux in said circuit acting on said movable magnetic circuit member when said flux drops below a predetermined value, the air gap varying means being adapted to adjustably control the relative values of combined pressure and current required to actuate said movable portion of said valve.

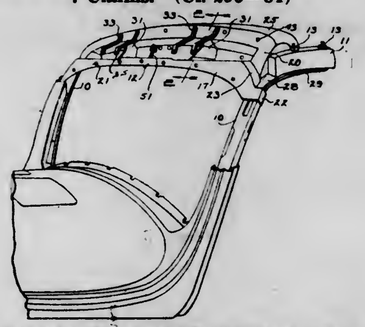
2,040,965
MACHINE FOR AND METHOD OF MAKING KNITTED FABRIC
Arnold Friedrich Verbeek, Oberlungwitz, Germany, assignor to Kallo, Inc., New York, N. Y., a corporation of New York
Application January 29, 1935, Serial No. 3,892
In Germany January 30, 1934
10 Claims. (Cl. 66—83)

10. The method of making a knitted fabric upon a flat knitting machine which consists of laying a fabric yarn progressively behind each successive needle followed immediately by the laying of a weft yarn also progressively behind each successive needle, developing a fabric yarn loop upon each needle during its downward movement of the needles, the weft yarn being maintained behind the needles and then during the initial upward movement of the needles displacing the portions of said weft yarn lying behind alternate needles to a position in front of those needles, completing the knitting cycle and then forming



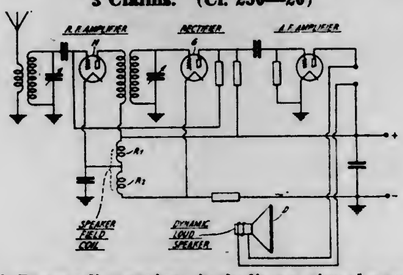
another course of fabric yarn loops and then pulling them through the previously formed course of fabric yarn loops.

2,040,966
HEADER CONSTRUCTION FOR CONCEALED WINDSHIELD WIPERS
Fred J. Westrope, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware
Application March 9, 1931, Serial No. 521,194
7 Claims. (Cl. 296—84)



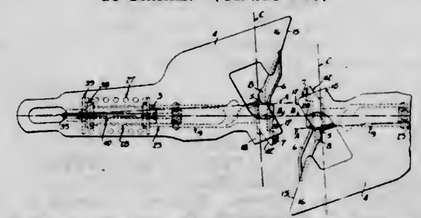
1. A header for a vehicle carriage constituting a unit member embodying a windshield supporting member, a front roof bow, engaging means for front body pillars and supporting flanges for side roof rails.

2,040,967
AUTOMATIC VOLUME CONTROL
Karl Wilhelm, Berlin, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application June 28, 1933, Serial No. 677,998
In Germany August 26, 1932
3 Claims. (Cl. 250—20)



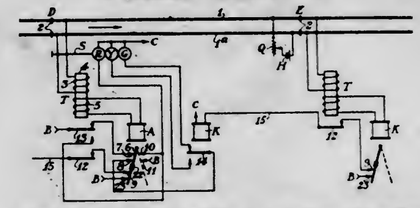
1. In a radio receiver including a signal amplifier tube and signal rectifier, an audio amplifier having a loud speaker in its output circuit, a field coil for the speaker, a source of direct voltage for the circuits of said receiver, said field coil being connected across said source, a connection between the anodes of said signal amplifier and rectifier and the positive side of said field coil, a connection between the cathode of said signal amplifier and an intermediate point on said field coil, and a direct current connection between the signal grid of the signal amplifier and the anode of said rectifier and the resistance of said coil being sufficiently low to maintain the voltage of said intermediate point substantially unaffected by variations in space current flow of said signal amplifier.

2,040,968
AUTOMATIC TRAIN PIPE CONNECTER
Russell J. Wittmer, Cleveland Heights, Ohio, assignor, by direct and mesne assignments, of one-half to Joseph Robinson, New York, N. Y., and one-half to Roy M. Wolvin, Montreal, Quebec, Canada
Application January 12, 1932, Serial No. 586,227
Renewed May 13, 1935
18 Claims. (Cl. 213—76)



1. In combination, a car coupler, an automatic train pipe connecter having an air port carried thereby and comprising pin and funnel members adapted to bring said connecter into operative engagement with a mating connecter, the funnel of said connecter being positioned adjacent the guard arm side of said coupler and the pin adjacent the opposite side thereof, said connecter being off-set laterally with respect to the coupling line of said coupler to prevent the pin thereof from engaging the air port of the mating connecter.

2,040,969
RAILWAY TRACK CIRCUIT APPARATUS
Harry D. Abernethy, Lakewood, Ohio
Application October 3, 1934, Serial No. 746,689
8 Claims. (Cl. 246—41)



1. In combination with a section of railway track and a source of current connected across the rails of said section, a main relay having an operating winding receiving current from said rails, a polarized auxiliary relay receiving current by induction from said operating winding and capable of assuming a normal or a reverse position according as the current received by said operating winding is rapidly decreased when a train enters said section or is rapidly in-

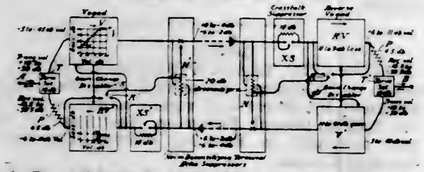
creased when a train leaves said section, and signaling apparatus controlled by both said main relay and said auxiliary relay and selectively responsive to the position assumed by said auxiliary relay.

2,040,970

TELEPHONE TRANSMISSION CIRCUIT

Leonard Gladstone Abraham, Madison, and Doren Mitchell, Bound Brook, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York

Application November 22, 1934, Serial No. 754,344
12 Claims. (Cl. 178—44)



1. In a four-wire telephone system, the combination at one terminal of a vogad in the transmitting side, and a reverse vogad in the receiving side controlled by the vogad on the transmitting side, and means for removing the loss due to the reverse vogad by incoming speech on the receiving side.

2,040,971

CELLULOSE ESTER COMPOSITION

Harold Allden Auden, Banstead, and Hanns Peter Staudinger, Epsom, England, assignors to Ernst Berl, Pittsburgh, Pa.

No Drawing. Application January 2, 1935, Serial No. 176. In Great Britain December 8, 1933
2 Claims. (Cl. 106—40)

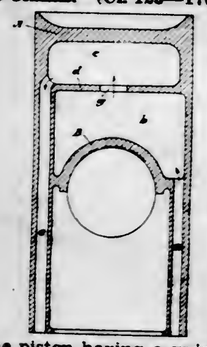
1. A composition for producing matt surfaced artificial silk threads comprising essentially a mixture of cellulose triacetate and amyl citrate, said amyl citrate in a quantity sufficient to produce said matt surface.

2,040,972

PISTON

Heinrich Becker, Augsburg, Germany, assignor to Maschinenfabrik Augsburg-Nurnberg A. G., Augsburg, Germany, a corporation of Germany

Application April 16, 1932, Serial No. 605,557
In Germany May 4, 1931
5 Claims. (Cl. 123—176)



3. An engine piston having a wrist pin bearing wall as an integral part thereof and providing a cylindrically concave bearing surface extending entirely across the piston for direct bearing engagement with substantially the entire upper half of the wrist pin, said piston having a chamber for cooling liquid which extends up to the piston head and which also extends continuously along said wrist pin bearing wall, a supply pipe for supplying cooling liquid to a point in said chamber adjacent said bearing wall, and a liquid withdrawing passage extending from said chamber.

2,040,973

AQUEOUS SOLUTIONS OF THERAPEUTICALLY VALUABLE COMPOUNDS AND A PROCESS OF PREPARING THEM

Louis Benda, Frankfort-on-the-Main, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application May 13, 1933, Serial No. 671,005. In Germany May 14, 1932
12 Claims. (Cl. 167—65)

1. The process which comprises dissolving in water a sparingly water-soluble salt of an acridine compound with an organic arsonic acid in the presence of an easily water-soluble salt of an acridine compound.

2,040,974

TOY VALISE

Lucy Stowe Bigelow, Kansas City, Mo.

Application November 23, 1933, Serial No. 699,413
5 Claims. (Cl. 46—12)

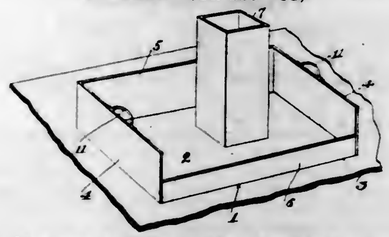
1. In a toy valise having a compartment having furnishings including a toy stove having a grill and an opening, the combination with said stove, of a flash light, comprising a battery, a lighting bulb and a switch united together to form an integral structure, removably insertable through said opening to a position in the stove in which said bulb will project light through said grill and said switch will be accessible from the exterior of the stove, the latter being movable to and from an operative position in which said opening will be closed by a part of the valise.

2,040,975

GAUGER'S AND PUMPER'S GAUGE-TRAY

William S. Cain, McCamey, Tex., assignor of one-half to Thomas W. Carter, McCamey, Tex.

Application May 13, 1935, Serial No. 21,282
2 Claims. (Cl. 226—38)



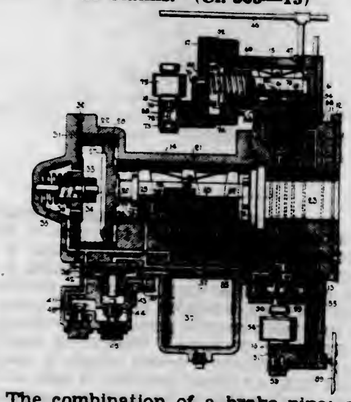
1. As a new article of manufacture, an oblong rectangular gauge-tray, provided with a flat bottom and with high wind-break ends and back, and a low front, vertical handles extending upwardly from the center of the top edge of said ends, and a large cylindrical spout extending downwardly from and fastened to the center of said flat bottom whereby a thief can may be quickly placed in said tray and its spout, substantially as shown and described.

2,040,976

ELECTROPNEUMATIC BRAKE

Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey

Application November 23, 1934, Serial No. 754,492
29 Claims. (Cl. 303—15)



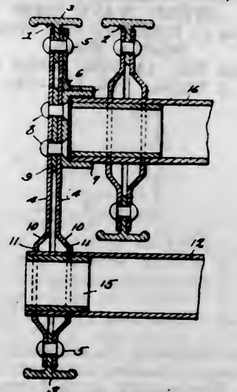
1. The combination of a brake pipe; a brake cylinder; an auxiliary reservoir; a triple valve device of the type having a feed back position assumed on moderate rise of brake pipe pressure following an emergency reduction thereof and in which the brake cylinder is connected with the brake pipe through a feed back connection, said triple valve device having an exhaust port; secondary valve means operable to close said exhaust port and said feed back connection selectively; and means independent of brake pipe pressure for actuating said secondary valve means.

2,040,977

ALUMINUM LADDER

Samuel H. Carbis, Tarentum, Pa., assignor to Aluminum Ladder Company, Tarentum, Pa.

Application December 4, 1935, Serial No. 52,921
8 Claims. (Cl. 228—18)



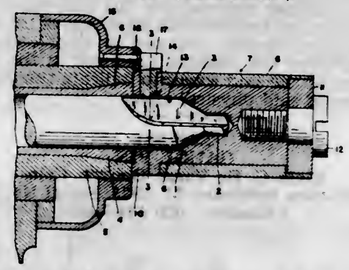
2. An extension ladder comprising a head section and a foot section, each comprising rails, inner and outer gusset plates, and means for securing the gusset plates to opposite sides of the rails; channel-shaped guides, means for securing the guides upon the inner gusset plates of the foot section, first rungs extended through the gusset plates of the head section and having their ends slidably mounted in the guides, means for securing the first rungs in the gusset plates of the head section, second rungs, and means for securing the second rungs to the gusset plates of the foot section.

2,040,978

DEVICE FOR LOADING TOOLS IN HOLDERS

Stuart A. Cogsdill, Detroit, Mich., assignor to Cogsdill Manufacturing Company, Inc., Detroit, Mich., a corporation of Michigan

Application August 5, 1935, Serial No. 34,819
4 Claims. (Cl. 51—277)



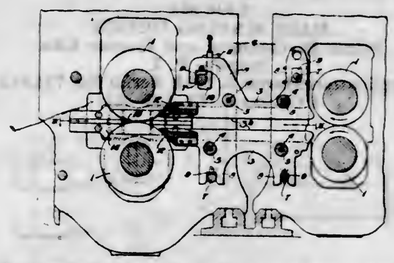
1. The combination with a rotatable holder adapted to grip a tool, of a loading device comprising a support, and a tool carrying member rotatable on said support, said device being movable to a position to place the tool in operative relation to said holder, and co-operating means rotatable with said holder and carrying member for predeterminedly positioning the tool relative to said holder.

2,040,979

ROLLING MILL GUIDE

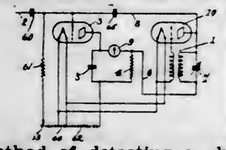
Edward G. Crozier and John R. Post, Munhall, Pa.

Application July 30, 1932, Serial No. 627,002
4 Claims. (Cl. 80—51)



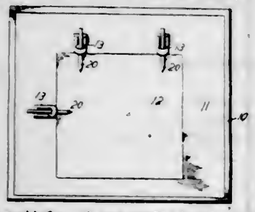
1. A rolling mill including tandem stands of shape rolls and upper and lower guides for leading work from one of these stands to another, the upper one of said guides being constructed as a single unit of sufficient length to extend between the rolls of said stands to positions adjacently spaced therebetween and provided with releasable means for securing it in its operative position and which, when released, permits it to move away from between the rolls of one of said stands so that its end adjacent thereto can be swung upwardly.

2,040,980
RECEIVING SYSTEM FOR FREQUENCY MODULATED OSCILLATIONS
Henri Jean Joseph Marie de Regnauld de Bellescize, Neuilly-sur-Seine, France
Application November 18, 1932, Serial No. 643,195
In Belgium November 18, 1931
10 Claims. (Cl. 250—20)



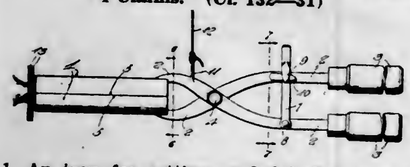
1. The method of detecting a physical effect which comprises, separately generating two waves, influencing the phase relation of these waves by the physical effect to be detected, beating said waves together maintaining the said waves in a state of locked synchronism by means of the intermodulation current produced by their co-action, and utilizing the changes produced in the phase relation of the said waves to indicate the characteristics of said physical effect.

2,040,981
GAUGE PIN
Elvin C. De Vorss, Denver, Colo.
Application February 11, 1935, Serial No. 6,028
8 Claims. (Cl. 101—415)



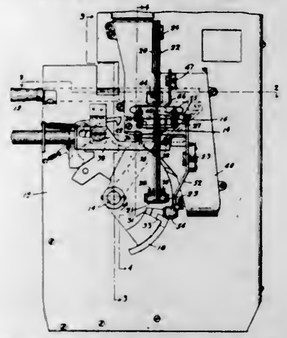
4. As an article of manufacture, a body member for use in a gauge pin, a projection of less width extending from the rear end thereof, the under side of the projection having a transverse recess, the upper surface of the body member having a groove extending transversely thereof for the reception of a pivot pin.

2,040,982
HAIR WAVING DEVICE
Primo Di-Guangco and Vicente Vito, Manila, P. I.
Application March 9, 1934, Serial No. 714,873
4 Claims. (Cl. 132—31)



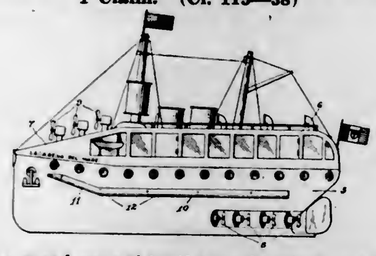
1. An iron for setting curled hair comprising companion sections each having a blade and a shank extending rearwardly from the rear end thereof the shanks being pivotally connected in spaced relation to the blades whereby the blades may be swung towards and away from each other into and out of a closed position and form a cylindrical hair receiving chamber when closed, releasable means for holding the jaws closed, one shank being provided with means whereby the iron may be suspended from an overhead support when in use.

2,040,983
COIN CONTROLLED MECHANISM
Francis C. Du Grenier, Haverhill, Mass., assignor to Blanche E. Bouchard, Haverhill, Mass.
Application February 5, 1935, Serial No. 5,009
6 Claims. (Cl. 194—93)



1. In a coin-controlled dispensing machine having a pair of coin passages for coins of different denominations, means for supporting a coin in one of said passages and for supporting a plurality of coins edge to edge one above another in the other passage, whereby all of said coins will be held in predetermined positions, operating devices movable to perform a dispensing operation including a controlling device which is movable therewith from an initial position, a pair of locking devices arranged to be held in inoperative positions by said controlling device when in its initial position, means to move said locking devices into positions to lock said controlling device when moved from its initial position, means on one of said locking devices arranged to engage the lowermost coin of said plurality of coins, and on the other of said locking devices to engage the top-most coin thereof and the single coin when held in the other passage in said positions, to hold said locking devices in their inoperative positions when the requisite number of coins have been placed in one passage, or a single coin has been placed in both passages, to permit movement of said controlling device beyond the position where it may be locked, so that the dispensing operation may be performed.

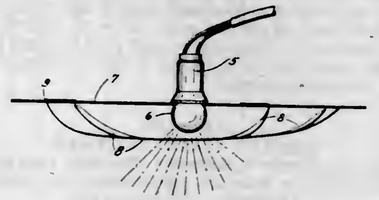
2,040,984
SPEED WAVE SHIP
Joe Coluccio fu Francesco and Nicola Furfaro, Seattle, Wash.
Application May 14, 1935, Serial No. 21,348
1 Claim. (Cl. 115—38)



In a speed wave ship, the combination of a body hull, a rounded housing covering the hull and converging downwardly to its forward bow portion, a multiplicity of ship propellers connected to the rear and lower end portion of the hull, each

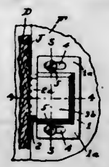
of said propellers slanting outwardly from the hull and disposed in a different vertical plane, a multiplicity of airplane propellers mounted upon the converging bow portion of the housing, each of said airplane propellers slanting upwardly and disposed in a different vertical and horizontal plane, a wide water vane fixed to each side of the hull and extending to its bow portion, the forward bow portion of the vanes deflected upwardly whereby the downward moments of force caused by the airplane propellers and tending to force the bow of the ship down into the water are counteracted, and a plurality of spaced apart openings in said vanes.

2,040,985
ORNAMENT
John E. Galazin, Cleveland, Ohio
Application February 2, 1934, Serial No. 709,498
4 Claims. (Cl. 240—103)



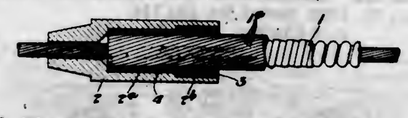
1. An ornamental device comprising: a light socket, a light bulb inserted in said socket, a disc shaped background plate associated with said bulb, and an ornamental structure consisting of a flower having certain of its petals attached to the peripheral portion of said disc and the remainder of its petals free and unattached, the central portion of the flower being bulged outwardly over the light bulb, thus causing the device when viewed from a certain distance to simulate in effect a sphere with a flower resting on the periphery thereof.

2,040,986
SHOCK ABSORBER FOR DOORS
Fred E. Gignoux, Cape Elizabeth, Maine
Application April 18, 1934, Serial No. 721,182
2 Claims. (Cl. 16—86)



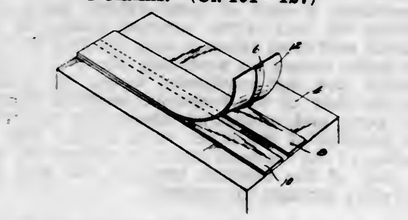
1. A device of the class described comprising a holding member having therein an open end well with three inwardly converging sides, a rubber buffer adapted to be inserted in said well with a portion thereof protruding through the open end of the well, the width of said buffer being slightly in excess of the width of the well whereby the buffer is laterally compressed before its inner face seats on the bottom of the well, and an extended portion on each end of said holding member having a transverse slot therein.

2,040,987
END FITTING FOR AUTOMOBILE BRAKE CONTROLS
George A. Gleason, Worcester, Mass., assignor to The American Steel and Wire Company of New Jersey, a corporation of New Jersey
Application September 27, 1934, Serial No. 745,798
2 Claims. (Cl. 285—72)



2. The combination of a flexible conduit having an outside constructed of stranded wires, a fitting having a bore receiving an end portion of said conduit and a counterbore providing an annular space around the outside of the latter spaced from its extreme end, and a relatively soft gasket filling said counterbore and being under sufficient compression to cause it to enter and close the outer interstices between said stranded wires, said conduit having a soft metal sleeve press-fitted to its portion received by said bore and said fitting being swaged into firm engagement with said sleeve.

2,040,988
STENCILING TAPE
Herbert E. Gragg, Kansas City, Mo.
Application April 8, 1935, Serial No. 15,245
4 Claims. (Cl. 101—127)



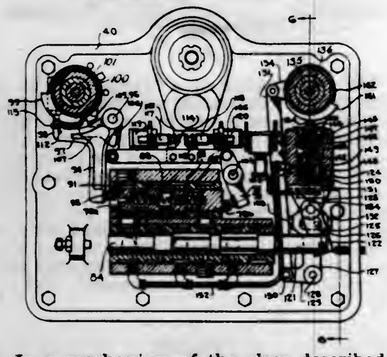
1. Stenciling tape comprising a plurality of stencil-forming sheets; a pattern forming member; a cover overlying one side of all of said sheets and the member; adhesive between the cover and stencil-forming sheets and said member to maintain the same assembled; and adhesive over the other sides of said stencil forming sheets, said pattern forming member being without adhesive over the outer side thereof.

2,040,989
GLOVE
James W. Green, Jr., Gloversville, N. Y.
Application November 8, 1934, Serial No. 752,088
3 Claims. (Cl. 2—159)



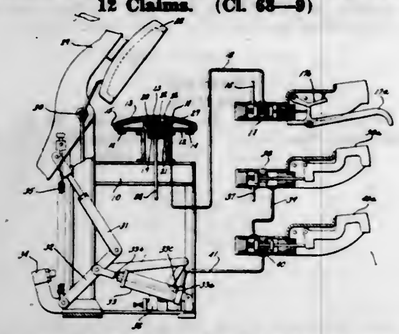
1. A fourchette blank for a glove comprising a single piece of material having two elongated side elements converging at an acute angle to a vertex, and an integral web filling the vertex of the internal angle between said converging elements and having edges converging to a reversely directed vertex located substantially midway between the inner edges of said side elements.

2,040,990
HYDRAULIC CONTROL MECHANISM
Frederick S. Haas, Cincinnati, and Ralph L. Goetzel, Norwood, Ohio, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Original application May 31, 1930, Serial No. 458,558. Divided and this application February 29, 1932, Serial No. 595,746
8 Claims. (Cl. 277—42)



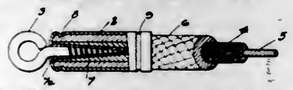
1. In a mechanism of the class described the combination of a conduit through which an hydraulic medium flows, a starting, stopping and velocity control valve mechanism in the conduit comprising a pair of spool valves, ports connecting the said valves, common means for actuating said spool valves to stop the flow through the ports, means for actuating one of the valves against said last mentioned means for initiating the flow of the hydraulic medium through the port, and additional means for adjusting the position of the other valve against the actuation of the common means to control the rate of flow of the medium through the port and therefore through the conduit.

2,040,991
PRESS CONTROL MECHANISM
Angus F. Hanney, Norwood, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application August 29, 1935, Serial No. 38,401
12 Claims. (Cl. 68—9)



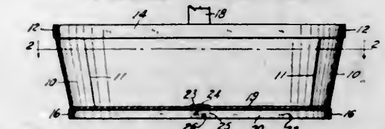
1. In a pressing machine, a pair of coacting pressing members, one of said members including diaphragm means for moving the pressing surface of said member into pressure engagement with the other of said members, means for holding said members in juxtaposition, pressure fluid means for expanding said diaphragm means, and means for relieving said pressure fluid means responsive to expansion of said diaphragm means substantially greater than that normally necessary for causing pressing engagement between the pressing members.

2,040,992
FLEXIBLE CONNECTION
Warren B. Harris, Millbury, Mass.
Application February 28, 1933, Serial No. 658,970
3 Claims. (Cl. 24—123)



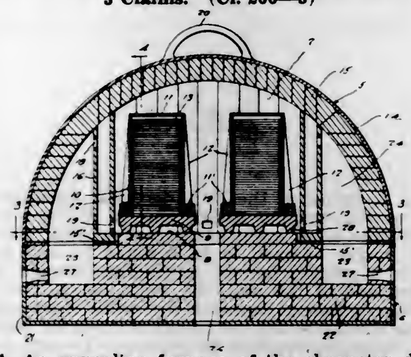
1. A flexible connection comprising a metallic layer of braided wire, a longitudinally extending core of fibrous material within said braided wire, a ferrule surrounding one end portion of said connection and an attaching device having a threaded shank larger than said core screwed into said braided layer through said ferrule, the core of said layer serving to center said shank and the shank being of such diameter as to cause an appreciable expansion of both said core and said braided layer within said ferrule incident to the screwing in of said attaching device.

2,040,993
BASKET CONSTRUCTION
Arthur Hewson, Grimsby, Ontario, Canada
Application July 25, 1935, Serial No. 33,035
4 Claims. (Cl. 217—123)



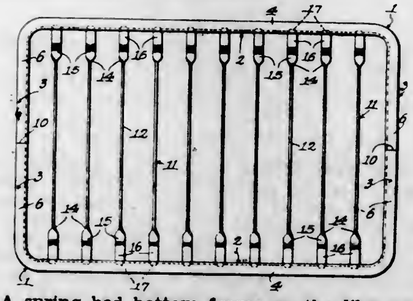
1. The combination with the siding and lower outside hoop of a market basket, of a veneer wood lower inside hoop, a basket bottom consisting of a sheet of veneer wood supported by said inside hoop, a stiffening strap athwart said bottom and secured thereto, down turned ears on the ends of said strap tucked between said inside hoop and the siding, and means securing both said hoops, the siding, and said ears together.

2,040,994
ANNEALING FURNACE
Clarence B. Hoak, Steubenville, Ohio
Application June 11, 1935, Serial No. 26,049
3 Claims. (Cl. 266—5)



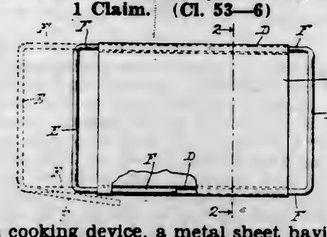
1. An annealing furnace of the character described comprising a top or cover portion, a base portion, said base portion containing a centralized flue and combustion chamber forming recesses provided with gas burner openings, said cover containing tile walls extending chordally therein and whose radially inward sides define the annealing compartment and whose radially outward sides define the upper part of the combustion boxes registered with corresponding recesses in the base, said tile having openings establishing communication between the combustion boxes and the annealing compartment.

2,040,995
BOTTOM FRAME FOR SPRING BEDS
William A. Holt, Mebane, N. C.
Application October 9, 1934, Serial No. 747,590
1 Claim. (Cl. 5—264)



A spring bed bottom frame or the like, comprising U-shaped members each including a side piece and inwardly-projecting arms, the side pieces being angle members made up of outwardly-extended flanges and other flanges depending from the inner portions of the outwardly-extended flanges, the depending flanges having openings, transverse hangers having pre-formed hooks inserted through the openings and overlapped on the outer surfaces of the depending flanges, the overlapped portions of the hooks being housed beneath the outwardly extended flanges, and means connecting together the arms of one side piece and the arms of the other side piece.

2,040,996
BAKING PAN
Warren H. Hungerford, Chicago, Ill.
Application March 7, 1934, Serial No. 714,375
1 Claim. (Cl. 53—6)



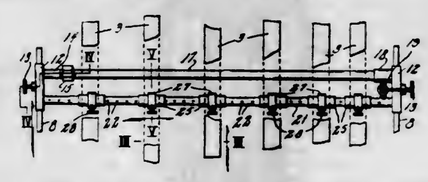
In a cooking device, a metal sheet having each of two opposite edges rolled to form generally tubular reinforcing members, and a resilient wire support for said sheet, at each end thereof, slidable in relation to the sheet, said wire supports having each an intermediate portion generally parallel with an end of the metal sheet, and two prong portions adapted to penetrate the apertures of the tubular reinforcing members, said penetrating prongs being sprung somewhat out of parallelism with the reinforcing members, and being adapted thereby to provide a spring grip between said tubular members and the supports, the intermediate portion of said supports being generally parallel, and additional parallel supporting abutments adapted slidably to receive said parallel portions of said supports.

2,040,997
ESTERS OF BORIC ACID
Frank Willard Johnson, Pennsgrove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 20, 1935, Serial No. 27,537
18 Claims. (Cl. 260—98)

1. Boric acid esters of compounds having the general formula:

in which R stands for a polyhydroxy substituted aliphatic radical, X represents hydrogen or an alkyl group, and A stands for an aliphatic hydrocarbon radical containing a chain of eight or more carbon atoms.

2,040,998
PRINTED SHEET DRIER
Eldo M. Jump, Toledo, Ohio
Application June 16, 1934, Serial No. 730,947
4 Claims. (Cl. 34—18)

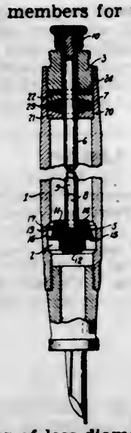


1. In a printing press, delivery means embodying a frame for transferring a printed sheet therefrom, a plurality of conveyor tapes independently transversely adjustable on said frame, bracket means mounted on and slidably adjustable along said frame, a burner carried by bracket means and extending transversely of said tapes and therebelow, said burner providing a series of upwardly directed ports, shields carried on said burner to close the ports below each respective tape and thereby making the burner discontinuous in its transverse extent, said shields being shiftable along the burner corresponding to the independently adjusted tape positions, and means clamping said shields to the burner in their respective adjusted positions.

2,040,999
FOUNTAIN PEN
Lloyd A. Kelley, Toledo, Ohio, assignor to The Conklin Pen Company, Toledo, Ohio, a corporation of Ohio
Application May 27, 1935, Serial No. 23,588
5 Claims. (Cl. 120—47)

1. In a fountain pen of the class described, a plunger having an operating rod projecting therefrom, said plunger comprising a cup member of soft resilient material having a body portion and a dependent skirt portion with its outer side flared with respect to said body portion and adapted alone to contact with a pen barrel in which operating, said plunger also including op-

posed clamping members for the body portion of



the cup member of less diameter than the barrel opening.

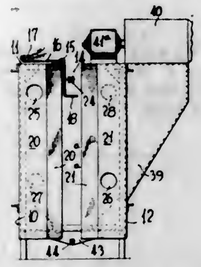
2,041,000
PLUG FUSE
Reginald W. King, Boston, Mass.
Application August 31, 1935, Serial No. 38,751
6 Claims. (Cl. 200—125)



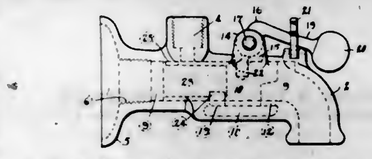
5. A plug fuse comprising a plug section, conductor elements thereon, a cap section secured thereto, a magazine body section with a plurality of circuit conductors therein, the body section removable from the cap and plug sections to permit renewal of the fuse elements, a plurality of fuses mounted in the plug, a conductor-detent-carrying housing rotatable in the body and normally positioning the detent relative to the fuse to create a circuit with the housing conductor when the plunger is pushed inwardly; a plunger within the housing and a spring therefor controlling the position of said detent, and a blown-fuse plug identifying member actuated by the plunger when the fuse blows to identify the plug, and actuated with the plunger to reposition the plunger and housing relative to the fuses to cause the conductor detent to contact a second fuse in said plug circuit.

2,041,001
SPRAYING CABINET
Daniel E. Knewiton, Buffalo, N. Y., assignor to Buffalo Cold Storage Company, Buffalo, N. Y., a corporation of New York
Application December 5, 1935, Serial No. 53,056
6 Claims. (Cl. 91—45)

2. A cabinet comprising two side members, top members extending toward each other from the top of each side but leaving a longitudinal opening between them substantially equidistant from each said member, end members depending from each end of each top member and extending inwardly from each side member but leaving openings between each pair of end members said openings being continuations of the opening between the top members and said openings together forming a passage, a conveyor extending through said passage and adapted to support a depending fowl and move it through the cabinet, means for operating spray devices so arranged that it is engaged by a fowl carried by the conveyor during at least a part of its passage through the cabinet, the arrangement being such as to allow a fowl to pass into and out of the cabinet as it is moved by the conveyor through the opening, and spray devices provided with a source of spray material all directed approximately toward that portion of the cabinet in which the fowl hangs when it engages the operating means.



2,041,002
DIVERTER VALVE
Paul F. Kreuser, Lakewood, and Charles F. Schultis, Cleveland, Ohio, assignors to The Royal Brass Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application November 28, 1934, Serial No. 755,108
14 Claims. (Cl. 251—76)



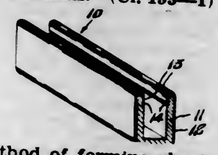
1. In a fitting for supplying water to a bath tub or the like, a spout having a discharge opening and an auxiliary opening and having an interior passage therethrough to the discharge opening, a portion of which passage constitutes a seat for a sliding valve plug, a by-pass channel within the wall of said spout, an inlet port and an outlet port between said channel and said passage, a valve plug closely and slidably fitted within the said spout, an opening in the rear end of said plug, a hole in the wall of said plug communicating with said opening and so placed as to communicate with said auxiliary opening when the plug is moved to a forward position, another hole in the wall of said plug communicating with said opening in the rear of the plug and so placed as to communicate with said inlet port when said plug is moved to a rearward position, means adapted to move said plug to a rearward position and means adapted to secure said first-named means when it has so moved said plug.

2,041,003
RAZOR BLADE HOLDER
Daniel E. Leahy, San Francisco, Calif.
Application May 18, 1935, Serial No. 22,199
2 Claims. (Cl. 30—99)



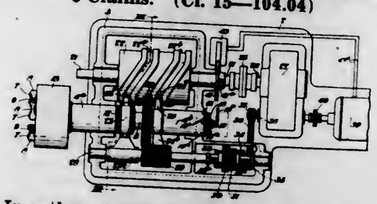
1. In a device of the character described, a handle, plates secured to said handle, a slot formed through the ends of said plates, a clamping member slidable on the ends of said plates, a pin extending through said clamping member and through said slots to limit the movement of said clamp, and lugs carried by said plates at a point remote from said clamp, whereby a razor blade positioned between said plates will be held against endwise movement.

2,041,004
METHOD OF FORMING FRAME MEMBERS WITH METAL VENEER FACING STRIPS
John F. Levan, Elkhart, Ind., assignor to Excel Curtain Company, Elkhart, Ind., a corporation of Delaware
Original application August 29, 1933, Serial No. 687,340. Divided and this application June 28, 1934, Serial No. 732,889
4 Claims. (Cl. 153—1)



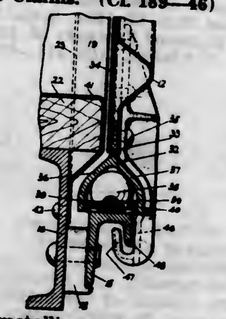
1. The method of forming sheet metal frame members from base strips into a general angular form in cross section and providing the base strip with a metal veneer facing strip enclosing the sides and bottom of the angular formation, consisting in forming a flat base strip with rabbets on one side thereof along the longitudinal edges, bringing the blank veneer strip in juxtaposition to the other side of the base strip and by continuous successive operations folding the margins of the veneer strip around the edges of the base strip into said rabbets and forming the base strip with the veneer strip thereon into final angular form.

2,041,005
THREAD CLEANING MACHINE FOR PIPES AND TUBES
Harry B. Lynch, McKeesport, Pa., assignor to National Tube Company, a corporation of New Jersey
Application March 2, 1933, Serial No. 659,392
6 Claims. (Cl. 15—104.04)



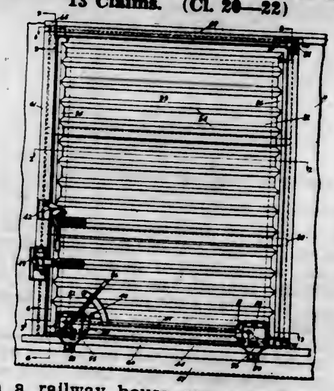
1. In a thread cleaning machine for pipes and tubes, a support, a pair of longitudinally slidable sleeves mounted in said support, a spindle journaled in said sleeves, a cup-shaped and hollow rotary head carried by said spindle, a heater disposed in said rotary head, a plurality of brushes carried by said rotary head and adapted for inward and outward radial movement with respect thereto, means for longitudinally adjusting said heater with respect to said rotary head, means for rotating said head, and means for reciprocating said head, said means for adjusting said heater with respect to said rotary head and said means for reciprocating said head being operable through said longitudinally slidable sleeves.

2,041,006
METALLIC CAR DOOR
Gabriel Madland, Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application September 21, 1933, Serial No. 690,407
8 Claims. (Cl. 189—46)



1. A sliding metallic car door of the character described comprising a sheet metal panel and a longitudinally extending ball runway secured to the lower margin of said panel, said runway having a vertical flange secured to said panel and downwardly diverging ball engaging flanges extending from said vertical flange, one of said flanges extending inwardly of the main plane of said panel and the other of said flanges extending similarly outwardly of the main plane of said panel, said flanges confining supporting balls for said door for rolling movement in said runway in a vertical plane corresponding substantially to the vertical plane including the center of gravity of said door.

2,041,007
CAR DOOR
Thorvald Madland, Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application May 28, 1934, Serial No. 727,922
13 Claims. (Cl. 20—22)



1. In a railway house car, a wall, a sliding door, a member secured to said car adapted to

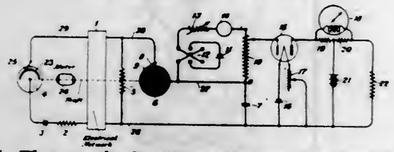
be engaged by the forward edge of said door to limit movement thereof, said member comprising a flange overlapping the forward margin of said door and inclined forwardly and inwardly to proximate relation with said car wall and a plate member secured to said door in overlapping relationship with the rear margin thereof, said plate member being inclined rearwardly and inwardly to proximate relation with said wall.

2,041,008

VOLTAGE MEASURING SYSTEM

Andrew L. Matte, Summit, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York

Application May 12, 1931, Serial No. 536,881
Renewed February 20, 1935
10 Claims. (Cl. 178—69)



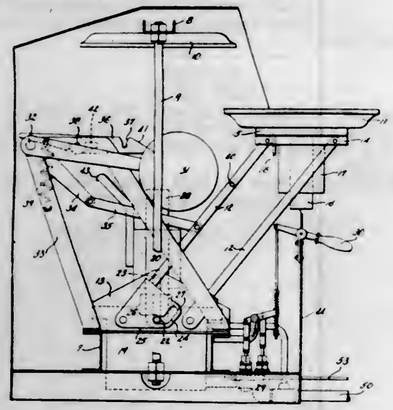
1. The method of measuring the transient characteristics of a network which consists in applying a periodic square top voltage wave to the input of the network, and measuring the magnitude at any instant of the output voltage wave of said network by nullifying its effect upon a translating device by a known voltage variable at will.

2,041,009

SWINGING BUCK PRESS

Albert Matthews, Cincinnati, Ohio, assignor to American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio

Application July 11, 1933, Serial No. 679,905
Renewed October 23, 1935
9 Claims. (Cl. 68—9)



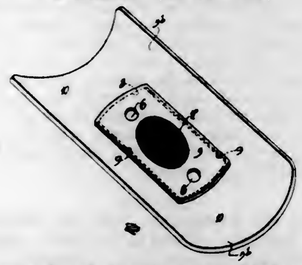
3. In a press of the class described, the combination of a frame, a stationary head carried by the frame, a plurality of pairs of arms spaced longitudinally beneath the head, a buck carried by the pairs of arms, each pair of arms being pivoted to the frame and buck on laterally spaced pivots in a parallel ruler arrangement, and one power means for moving said buck from open position into registration with said head and for closing the press.

2,041,010

HOLDER FOR SHARPENING RAZOR BLADES

Thomas Bartlett McDiarmid, Melbourne, Victoria, Australia

Application March 14, 1933, Serial No. 660,712. Renewed September 13, 1935. In Australia March 19, 1932
3 Claims. (Cl. 51—216)



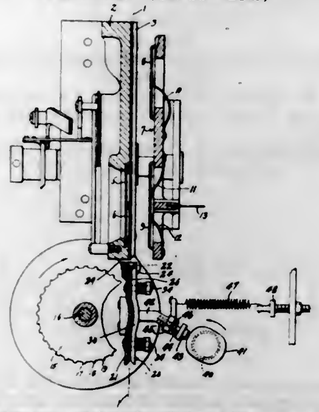
1. Means for sharpening razor blades, comprising a metallic member corresponding in outline to the shape of a safety razor blade, the said member being curved in cross section and convex on its blade-engaging surface, a milled recess in the upper surface of said member so that it can be used as a finger piece, a plurality of spaced lugs on the blade engaging surface to register with and extend through slots in the razor blade to hold the blade in position and to cause said blade, when it abuts the curved surface of a smooth vitreous segment and when downward pressure is applied against the upper surface of said member, to conform to the shape of said member, with both cutting edges thereof at a constant angle to the curved surface of said vitreous segment.

2,041,011

APPARATUS FOR ADVANCING FILM

Gabriel Garcia Moreno, Los Angeles, Calif., assignor, by direct and mesne assignments, to C M C Corporation, New York, N. Y., a corporation of Delaware

Application May 22, 1934, Serial No. 726,884
6 Claims. (Cl. 88—18.2)



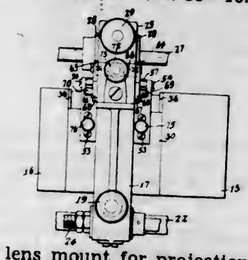
1. In an apparatus for intermittently advancing film, the combination of an intermittently driven sprocket provided with teeth of prismatic form having a root length substantially equivalent to the height of film perforations; a film gate provided with side guide rails adapted to restrict transverse motion of film in said gate, said film gate lying in a plane substantially tangential to the root diameter of said sprocket; a film control device positioned between the film gate and sprocket, said film control device being pivoted at a point near the gate discharge, the center of the pivot lying in the plane of the film, said film control device being adapted to slidably receive film discharged by said gate, and means for moving said film control device on its pivot in timed relation to periods of movement of said sprocket to periodically move the film into and out of driving engagement with said intermittently driven sprocket.

2,041,012

LENS MOUNT

Gabriel Garcia Moreno, Los Angeles, Calif., assignor to C M C Corporation, New York, N. Y., a corporation of Delaware

Application July 6, 1934, Serial No. 733,974
11 Claims. (Cl. 88—16.6)



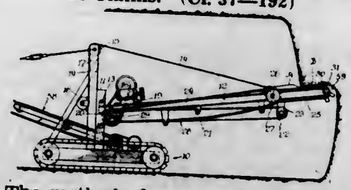
1. In a lens mount for projection of separate transparencies upon a single observation surface, the combination of a housing for a lens system, said housing being provided with a longitudinal groove; a secondary lens housing movably positioned in said groove, a plurality of spring means for yieldably urging said secondary housing away from the lens system of said first housing, means for limiting the outward movement of said secondary housing; a holder for said combined housings, and means carried by said holder for adjustably positioning the secondary housing with respect to said first housing.

2,041,013

METHOD OF EXCAVATING MATERIAL AND MACHINE THEREFOR

William J. Newman, Chicago, Ill.

Application March 25, 1933, Serial No. 662,765
13 Claims. (Cl. 37—192)



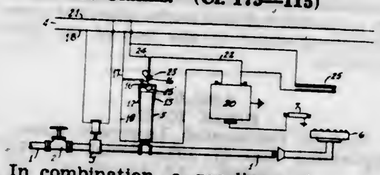
13. The method of excavating material which consists in forming a recess of substantial depth in the upright face of the material to be removed, and cutting an aggregate layer of substantial and uniform depth from the top wall of the recess by first completely removing a series of narrow parallel strips of material spaced transversely of the cut to leave a segregated wider strip intermediate each two next adjacent narrow strips and then removing the wider intermediate strip to complete the full cut.

2,041,014

AUTOMATIC LIGHTER FOR GAS FURNACES AND THE LIKE

William W. Norton, San Francisco, Calif.

Application January 14, 1932, Serial No. 586,618
Renewed April 1, 1935
10 Claims. (Cl. 175—115)



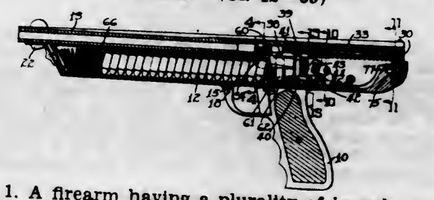
1. In combination, a gas line, a burner connected thereto, an electrically-actuated lighter disposed near the burner, a source of current, a switch and a time-controlled switch connected in series with each other and with the lighter, means controlled by the pressure of the gas for closing both switches for connecting the lighter with the source of current, said time-controlled switch opening after a predetermined time interval for breaking the circuit.

2,041,015

FIREARM

Umberto Onorati, Toledo, Ohio

Application May 10, 1934, Serial No. 724,900
8 Claims. (Cl. 42—69)



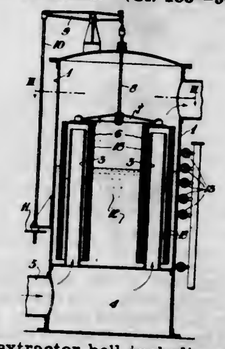
1. A firearm having a plurality of barrels and firing mechanism individual to each barrel, each firing mechanism comprising a sear normally urged to operative position, a detent for actuating said sear, a trigger-responsive rotatable mounting for said detent, and manual means including rotatable cam members for swinging one or another or both detents out of operative relation to their respective sears.

2,041,016

TAR EXTRACTOR

William R. Pendry, Shaker Heights, Ohio

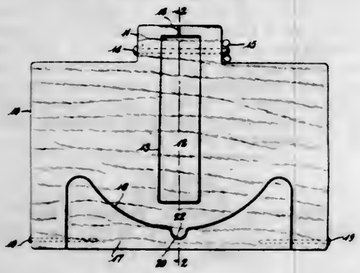
Application November 27, 1933, Serial No. 700,000
4 Claims. (Cl. 183—96)



2. A tar extractor bell including the combination of a frame providing open ends and sides,

a closing member constructed for application to either of the ends of said frame, tar-extracting plate-packs constructed for application to the sides of said frame, means for fastening said member to either of the ends of said frame, means for fastening said packs to the sides of said frame, and separators constructed for application between a plurality of said packs when the same are applied in multiple to any one of the sides of said frame.

2,041,017
BOOK RACK
Paul W. Pennington, Lawrence, Kans.
Application June 17, 1935, Serial No. 27,077
2 Claims. (Cl. 45—57)



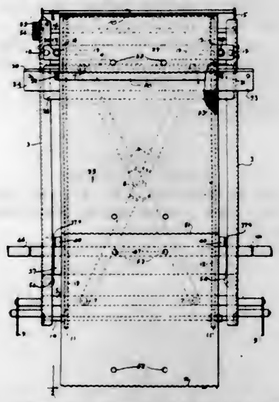
1. A book rack of the type described comprising a main body portion having a pair of openings, a shelf pivotally mounted in one of said openings, said shelf having a notch formed in one of its edges, a projection formed on said body portion and cooperating with said notch to limit pivotal movement of said shelf, and a brace pivotally mounted in the other of said openings.

2,041,018
ELECTRIC SOLDERING IRON
Ralph C. Persons, Los Angeles, Calif.
Application April 25, 1934, Serial No. 722,297
8 Claims. (Cl. 219—26)



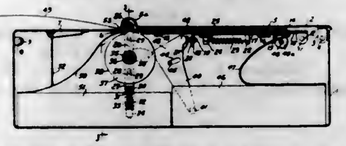
1. A soldering iron of the class described embodying the combination of: a heating element; a tip mounted in said heating element; a handle attached to said heating element; a hood adjustably mounted on said iron with its mouth above said tip; and a suction tube connected with said hood.

2,041,019
APPARATUS FOR ALIGNING PAPER AND CARBON SHEETS
William C. Pfeiffer, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a corporation of Ohio
Application September 27, 1933, Serial No. 691,181
5 Claims. (Cl. 197—126)



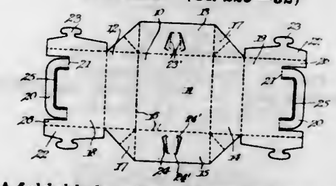
2. In combination with a frame to support and guide a strip of fan-folded paper, a shaft at each end of the frame, a drum on one of the shafts, a pair of continuous chains on the shafts, each end of the drum having adjacent thereto a chain, means on the chains to engage said strip of paper, and means attached to the chains for supporting sheets of carbon between the folds of said strip, said means comprising a plate having at each end a pair of pins and means on each pair of pins to hold a sheet of carbon.

2,041,020
AUTOGRAPHIC REGISTER
William C. Pfeiffer and Frank E. Pfeiffer, Dayton, Ohio, assignors to The Egry Register Company, Dayton, Ohio, a corporation of Ohio
Application October 2, 1934, Serial No. 746,542
3 Claims. (Cl. 282—21)



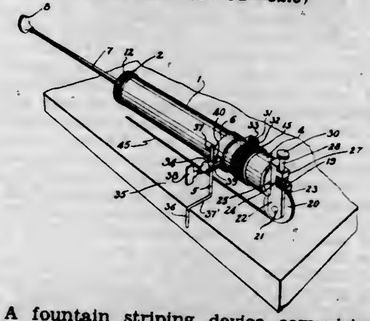
3. In an autographic register having a slotted table therein, the combination with a casing, and paper-feeding devices comprising a rotatable roller and rotatable disks adapted to grip the several paper sheets and feed them, of a paper-aligning device comprising a pivoted arm actuated by the feeding mechanism, a sliding flat paper aligning plate under the slotted paper table and in engagement therewith actuated to grip the paper between the upper forward edge of said plate and a lower edge of said slot and pull the several sheets to align them, a self-actuating device to move the plate in the opposite direction, and guide devices including the transverse slot in the table adapted to act on the edges of the paper sheets to guide them to their position on the writing table of the machine; the feeding disks being cut away in a portion of their periphery to stop the feeding action during the operation of the aligning devices.

2,041,021
FOLDING BOX
William Romano Quagliotti, Victoria, British Columbia, Canada
Application November 7, 1933, Serial No. 697,052
In Canada August 9, 1933
12 Claims. (Cl. 229—52)



8. A foldable box formed from a blank and having an intermediate portion constituting the bottom, opposed pairs of projections extending from the bottom, said projections when folded forming the sides of the box, one pair of the opposed projections having extensions which when folded constitute the top of the box, said extensions terminating in medially disposed looped handle portions arranged to extend upwardly from the top in adjacent relation, said extensions having laterally disposed flaps of substantially the same uniform size and shape and arranged when folded downwardly to overlap the upper edge portion of the adjacent side of the box, and said flaps having registering tabs arranged to fit into complementary slots in the adjacent sides for maintaining the parts of the box in their assembled positions.

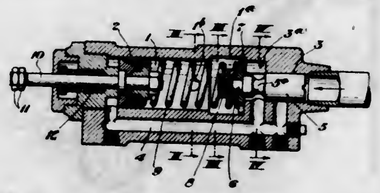
2,041,022
FOUNTAIN STRIPER
Martin Rassmussen, Los Angeles, Calif.
Application November 5, 1934, Serial No. 751,461
5 Claims. (Cl. 91—62.6)



4. A fountain striping device comprising: a tubular body, a plunger slidable therein, one end of said body being closed and provided with an outlet, a bracket diametrically adjustable on the exterior of said closed end, an applicator carried by said bracket and having its periphery adjacent said outlet, and adjustment means for said applicator including a member fixed to the end of said body and a member adjustable on said bracket for engagement with said fixed member, for moving the applicator relative to said outlet.

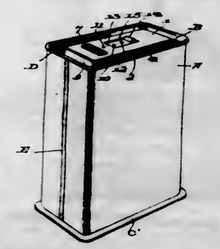
2,041,023
MEASURING VALVE
Samuel S. Roberts, Pittsburgh, Pa.
Application April 26, 1933, Serial No. 668,131
2 Claims. (Cl. 184—7)

1. A measuring valve comprising a cylinder, a piston in said cylinder, a passageway of smaller area than said cylinder and extending longitudinally from one end thereof with a by-pass opening thereinto, a duct opening into said passageway both at a point registering with said by-pass and at a point therebeyond and also opening into the opposite end of said cylinder, a plunger fitting said passageway with a reduced section registering with said by-pass when its body covers said duct's opening therebeyond and having a connected part projecting up into said cylinder



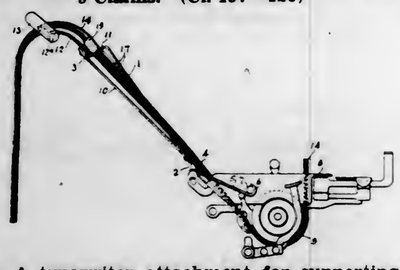
so as to oppose said piston, an outlet opening from said cylinder beyond the limits of said piston's stroke, and a compression spring arranged between said piston and said connected part so as to move them in opposite directions, said plunger being constructed to cut-off communication between said by-pass and said duct when moved by the introduction of matter under pressure to a position where its body leaves said duct's opening therebeyond.

2,041,024
BOX
Herman W. Rueger, Lancaster, Pa., assignor to Liberty Can and Sign Company, Lancaster, Pa., a corporation of Pennsylvania
Application September 13, 1935, Serial No. 40,501
11 Claims. (Cl. 221—62)



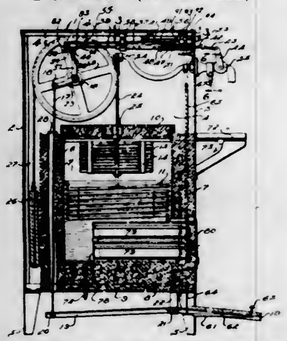
1. A dredger can comprising a top end member having a raised breast formed with sides and ends and spaced from the marginal portions of said member, the edge portion of said member extending upward to at least the plane of the upper face of the top of said breast, the breast top being formed with a discharge opening and with a slot, and the sides of said breast being substantially parallel, and ribs indented in the sides respectively substantially equidistant from the lower face of the breast top and extending for the greater portion of the length of said sides, in combination with a resilient sheet metal plate formed with an upwardly pressed lug extending through said slot as an operating finger-piece and having outwardly flaring depending side flanges slidably engaging the inner upper portions of said ribs and held under compression by said breast sides, said flanges holding said plate in the interior of said breast against separation therefrom and forcing said plate against said breast top for substantially its full area with a sliding substantially sift proof contact.

2,041,025
FORM AND CARBON CARRYING CONTROL DEVICE
George Henry Sargent, Toronto, Ontario, Canada, assignor to The Egry Register Company, Dayton, Ohio, a corporation of Ohio
Application November 28, 1933, Serial No. 700,112
9 Claims. (Cl. 197—126)



1. A typewriter attachment for supporting a sheet of carbon paper interleaved between strips of paper, said sheet of carbon paper having at one end lateral projections, said attachment consisting of a frame having side members bent adjacent one end of the frame to form shoulders for receiving the projections.

2,041,026
BEVERAGE COOLING AND DISPENSING APPARATUS
Martin Senese, Detroit, Mich.
Application February 26, 1934, Serial No. 712,945
4 Claims. (Cl. 62—141)



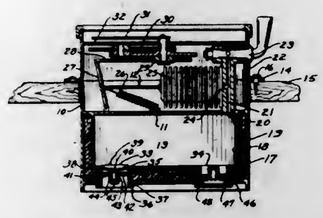
1. A beverage dispenser comprising means containing a body of cooling medium, means containing a liquid to be cooled operatively related to said cooling medium, means operated by the foot for lowering the means containing the liquid into the cooling medium, and means including a weight for returning the means containing the liquid to its normal position above the cooling medium.

2,041,027
THREAD CUTTING MECHANISM
Claude Sintz, Detroit, Mich.
Application July 16, 1934, Serial No. 735,523
5 Claims. (Cl. 10—111)



1. In a thread cutting tool, a chaser having a series of cutter teeth in an axial direction and a guide portion for engaging the periphery of the work in advance of said teeth, said guide being arranged in the plane of the bottoms of the interdental spaces of said chaser extending in a tangential direction beyond the plane of the cutting edges of said teeth.

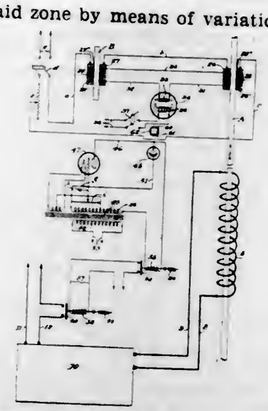
2,041,028
BAROMETRIC DEVICE
Paul H. Stanley, Glenside, Pa.
Application July 15, 1933, Serial No. 680,616
7 Claims. (Cl. 73—4)



4. An instrument of the class described comprising in combination, a casing including a partition wall to provide an upper chamber and a lower chamber, said upper chamber having a vent communicating with the atmosphere, a pressure responsive bellows within said last mentioned chamber, said bellows being attached to said casing at its one end, the other end of said bellows being arranged to be movable in response to variations in the support afforded thereto by the internal pressure of said bellows against atmospheric pressure, means forming a communicative passage between the interior of said bellows and the interior of said lower chamber, mechanism in the upper chamber for indicating the extent of movement of said bellows, a normally closed manually operable valve adapted to be opened to afford communication between the atmosphere and said means and the interior of said bellows and a pair of pressure actuated spring controlled valves mounted in said lower chamber arranged in such a manner with respect to one another such that when the internal pressure in said bellows and lower chamber is greater than the atmospheric pressure in a predetermined amount one of said valves is automatically opened in response to said differential in pressure and when the atmospheric pressure is greater than the internal pressure in said lower chamber and bellows the other valve is automatically opened, each valve being adapted to automatically close when the predetermined differential in pressure does not exist.

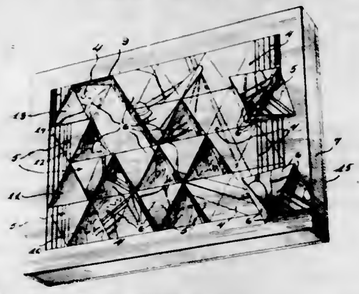
2,041,029
METHOD OF TREATING METAL
Albert R. Stargardter, Newark, N. J., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application September 4, 1931, Serial No. 561,183
6 Claims. (Cl. 148—10)

1. The method of heat-treating a ferrous metal strip consisting in continuously passing the strip successively through a heated zone and through a quenching zone, passing the heated and quenched portion of the strip through a balanced electrical field and varying the temperature of the heated zone to cause the required amount of heat to be applied to the strip as it travels through said zone by means of variations in the



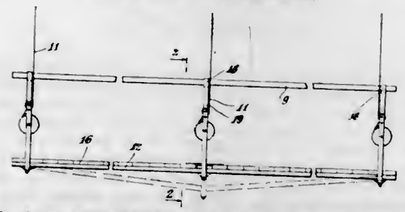
electrical permeability of said strip in said field.

2,041,030
PUZZLE
Edwin B. Strutton, Toledo, Ohio
Application May 4, 1933, Serial No. 669,434
9 Claims. (Cl. 273—157)



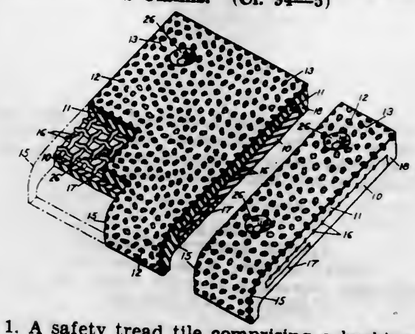
1. An article of manufacture, comprising an assembly of two types of polyhedrons which together are space filling, the polyhedrons of one type having their adjacent edges contacting and the polyhedrons of the other type being located between the adjacent faces of the first mentioned polyhedrons.

2,041,031
JOINT
Torvald Thompson, New York, N. Y.
Application July 31, 1934, Serial No. 737,728
2 Claims. (Cl. 304—38)
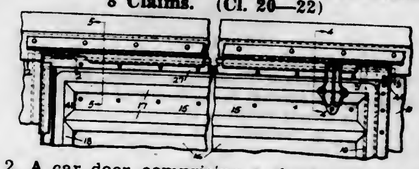


1. A flexible joint for a scaffold comprising a bar having a pair of arms forming a U, a pair of scaffold platforms, a loop on each platform, each of said arms being insertable into one of said loops at a time, and means bridging said arms and locking the loop members in place thereon.

2,041,032
SAFETY TREAD
Edward Van der Pyl, Holden, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application September 5, 1933, Serial No. 688,106
2 Claims. (Cl. 94—5)



1. A safety tread tile comprising a backing of completely vulcanized rubber in a hard, rigid, non-yielding, non-flexible condition, yet capable of being sufficiently resilient to withstand the shocks and stresses of pedestrian traffic, and an anti-slipping surface layer of hard rubber vulcanized to a hard, rigid condition and shaped to provide a plane tread surface and a curved nosing, both of which contain aggregates of abrasive grains bonded by a ceramic bonding material embedded in and constituting such portion of said surface layer as to form the major portion thereof and receive substantially all of the pedestrian wear, and an open mesh metal reinforcement embedded in and adapted to strengthen the tread, said tile having a perforation therethrough for a fastening device.

2,041,033
CAR DOOR
Conrad R. Vegren, Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application April 9, 1934, Serial No. 719,621
8 Claims. (Cl. 20—22)



2. A car door comprising a sheet metal panel and a reinforcing member secured to the upper horizontal margin of said panel, said member embodying a trough, one of the sides of said trough being disposed in substantially the main plane of said panel so as to constitute an extension thereof whereby said panel may be reduced in height.

2,041,034
MOUTH SPREADER
Hilton O. von Rosenberg, Hallettsville, Tex., assignor to Parke, Davis & Company, Detroit, Mich., a corporation of Michigan
Application February 18, 1935, Serial No. 7,141
5 Claims. (Cl. 128—14)

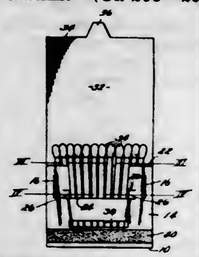
1. A mouth spreader comprising a bifurcated frame, a cross bar extending between the furca-

tions of said frame and rigidly secured thereto, said furcations being resiliently yieldable and provided with a plurality of pairs of aligned aper-



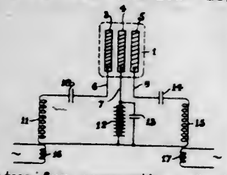
tures differently spaced from said cross bar and a second cross bar engageable alternatively with the different pairs of aligned apertures by the spreading of said resilient furcations.

2,041,035
LOOSE MATCH HOLDER
Harry Walters, Kansas City, Mo.
Application November 11, 1935, Serial No. 49,152
6 Claims. (Cl. 206—29)



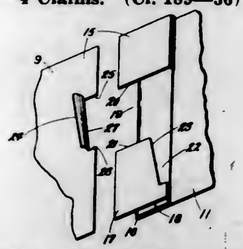
1. A loose match holder comprising a single strip of sheet material rebent upon itself near one end to form an open top pocket; securing means for holding the rebent portion of the strip in place; a slot formed through the rebent portion of the strip, intermediate the bight and inturned end of the strip and parallel thereto; and two rows of matches having their stick ends within the pocket, one row of matches extending outwardly from the pocket through the said slot and the other row of matches extending from the pocket between the inturned end of the strip and the intermediate portion of the strip.

2,041,036
FREQUENCY RANGE CONVERTER
George William Walton, London, England
Application August 8, 1932, Serial No. 627,963
In Great Britain December 1, 1931
8 Claims. (Cl. 178—44)



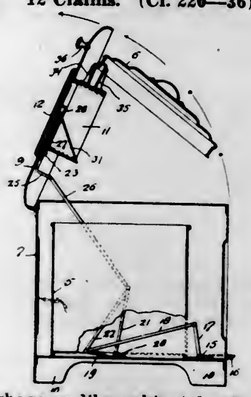
1. Apparatus for converting electrical oscillations of a primary range of frequencies into electrical oscillations of a secondary range of frequencies different from said primary range, said apparatus comprising two resonant circuits capable of resonating over different frequency ranges, means for impressing electrical oscillations upon one of said circuits and means whereby the effective resonant frequency of the other of said circuits is determined by the frequency of the oscillations in said first circuit.

2,041,037
CASING JOINT
Henry Waymeyer, Fort Perry, Ky., assignor to The Williamson Heater Company, Cincinnati, Ohio, a corporation of Ohio
Application August 22, 1935, Serial No. 37,381
4 Claims. (Cl. 189—36)



4. A furnace casing joint comprising a sheet metal plate having a return bend and an outwardly projecting flange along a longitudinal edge and with the return forming a longitudinal channel, the flange having a plurality of transverse ways cut in it, and adjacent each of the ways a slot having an inclined edge, a complementary sheet metal plate having a plurality of inclined projecting lugs positioned along a longitudinal edge portion thereof, the channel being adapted to receive the longitudinal edge portion of the complementary sheet metal plate whilst the projecting lugs are adapted to be receivable in the ways and then to engage the inclined edges of the slots.

2,041,038
GARBAGE CAN OR LIKE CABINET
John A. Wisner, Baltimore, Md., assignor to Dek Products, Inc., Baltimore, Md., a corporation of Maryland
Application August 8, 1934, Serial No. 739,007
12 Claims. (Cl. 220—36)



1. A garbage or like cabinet having a primary cover hinged to the back thereof and formed with a garbage or refuse receiving opening, a secondary cover for said opening having a crank arm and hinged to the primary cover at the rear of said opening, an operating pedal having a crank arm and movably supported by the body of said container near the front of the latter, and a link and lever connection between said pedal and the secondary cover whereby a movement of the pedal is caused to raise the secondary cover, said connection permitting free opening of the primary cover.

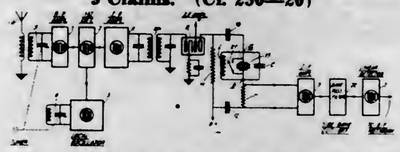
2. A garbage or like cabinet having a primary cover hinged to the back thereof and formed with a garbage or refuse receiving opening, a secondary cover for said opening having a crank arm and hinged to the primary cover at the rear of said opening, an operating pedal having a crank arm and movably supported by the body of said container near the front of the latter, and a link and lever connection between said pedal and the secondary cover whereby a movement of the pedal is caused to raise the secondary cover, said connection permitting free opening of the primary cover and cooperating with the body of said container to limit the opening movement of said primary cover.

2,041,039
COMBINED HEATING AND COOLING SYSTEM
Samuel M. Anderson, Sharon, Mass., assignor to B. F. Sturtevant Company, Inc., Boston, Mass.
Application January 31, 1934, Serial No. 709,118
10 Claims. (Cl. 257—7)



1. Air conditioning apparatus for a passenger vehicle, comprising a conditioning compartment located substantially in the center of the vehicle and in the roof zone thereof, completely above the useful passenger space, means in said compartment for cooling the air passing therethrough, and means for passing air through one side of said compartment where it is cooled and down along one side of the vehicle above the passenger space, and for returning the air through the other side of said compartment where it is again cooled and then down along the other side of the vehicle and above the passenger space.

2,041,040
CARRIER AUGMENTATION CIRCUIT
William Stoddard Barden, Grasmere, Staten Island, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application November 26, 1934, Serial No. 754,713
9 Claims. (Cl. 250—20)



1. A method of operating a radio receiver of the super-heterodyne type which includes collecting side band modulated carrier energy radiated from a transmitter relatively remote from the receiver, converting the collected energy to intermediate frequency energy, augmenting the amplitude of the carrier frequency of the intermediate frequency energy with respect to its associated side bands, substantially rejecting one of the side bands, and subjecting the resulting energy to linear detection.

2,041,041
LAMINATED ROOFING OR SHEET PRODUCT
Clements Batcheller, Portsmouth, N. H.
Application December 23, 1933, Serial No. 703,845
14 Claims. (Cl. 18—47.5)

6. The method of making a laminated roofing or sheathing product of the character described which comprises forming a base lamina of a plastic containing fibrous material and hydraulic cement, applying a thin layer or coating of liquid asphalt to a surface thereof while plastic, forming a surface lamina of a plastic containing coloring pigment, a small quantity of asphalt emul-

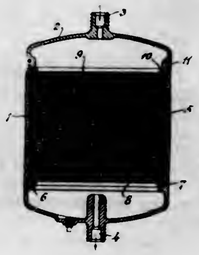


sion, and hydraulic cement, superposing the surface lamina on the asphalt covered surface of the base lamina, and compacting and concreting the laminae together while plastic by the application of substantial pressure.

2,041,042
ALUMINUM ALLOY
John Bartow Bates, Euclid, Ohio, assignor to Titanite Alloys Corporation, Euclid, Ohio, a corporation of Ohio
No Drawing. Application November 5, 1934, Serial No. 751,588
2 Claims. (Cl. 75—138)

1. A casting alloy consisting of one-half to five per cent of manganese, from one-twentieth to one-half per cent of titanium and the balance aluminum.

2,041,043
FILTER
Clarence Griffith Bennett, Portland, Oreg., assignor to Paterson Parchment Paper Company, Bristol, Pa., a corporation of New Jersey
Application March 22, 1934, Serial No. 716,743
5 Claims. (Cl. 210—203)



1. A filter body adapted for use in a container having an inlet for a fluid to be filtered and an outlet for the filtered fluid, said body being composed of webs of cellulosic material treated to render the surfaces thereof impermeable to the fluid to be filtered, the side surfaces being unattached to each other and being relatively nonfibrous and said webs being so compacted and arranged as to sub-divide the space occupied by the filter body into a plurality of interstices formed between closely adjacent surfaces of the cellulosic webs.

2,041,044
HARNESS ATTACHMENT
Harry H. Bourn, Waukesha, Wis.
Application June 24, 1935, Serial No. 28,071
3 Claims. (Cl. 54—1)

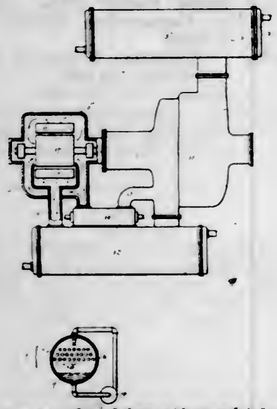
1. In combination with a harness set including

diverging side straps, a triangular flexible guard



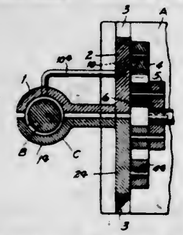
piece having lateral passages on its diverging side to receive the said side straps.

2,041,045
REFRIGERATION
Willis H. Carrier, Elizabeth, and Robert W. Waterfill, East Orange, N. J., assignors, by mesne assignments, to Carrier Engineering Corporation, Newark, N. J., a corporation of New York
Application October 27, 1933, Serial No. 695,394
3 Claims. (Cl. 62—178)



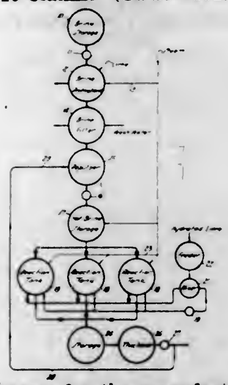
2. A process of refrigeration which comprises circulating trichlorofluoromethane as a film over evaporating surfaces in quantities greater than can be evaporated on said surfaces, causing evaporation of said film at a pressure less than one atmosphere and at a temperature ranging from 55° F. to −30° F., and condensing and returning to circulation the evaporated trichlorofluoromethane vapors.

2,041,046
LATHE
Lionel A. Carter, Webster Groves, Mo.
Application August 26, 1935, Serial No. 37,813
8 Claims. (Cl. 184—6)



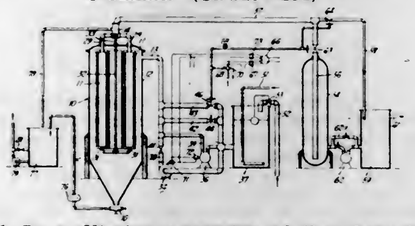
1. In a lathe, a carriage, a lead screw, half nuts slidably supported by said carriage and adapted to be closed upon and released from said lead screw, and means operating in the closed position of said half nuts only for supplying lubricant to the cooperating portions of said half nuts and said carriage and said lead screw.

2,041,047
PROCESS OF MANUFACTURING MAGNESIUM PRODUCTS
Heinz H. Chesny, San Francisco, William H. Farnsworth, San Mateo, and Paul D. V. Manning, Berkeley Woods, Calif., assignors to Marine Chemicals Company, Ltd., San Francisco, Calif., a corporation of Delaware
Application July 23, 1932, Serial No. 624,268
10 Claims. (Cl. 23—201)



8. In a process for the manufacture of magnesium products from concentrated brines, the steps of reacting the brine with calcium hydroxide to effect precipitation of magnesium hydroxide, and causing the reaction to proceed at a rate substantially equal to the rate of crystallization of the magnesium hydroxide.

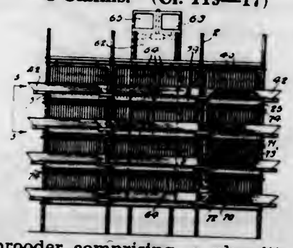
2,041,048
FILTER APPARATUS AND METHOD
Heinz H. Chesny, San Mateo, Calif., assignor to Marine Chemicals Company, Ltd., San Francisco, Calif., a corporation of Delaware
Application July 31, 1933, Serial No. 682,903
9 Claims. (Cl. 210—184)



1. In a filtering apparatus of the character described, a flexible filter membrane, means for causing a liquid feed material under pressure greater than atmospheric to flow continuously through said membrane from one side thereof for a normal filtering period, means for causing the membrane during said flow to assume a form corresponding to a series of spaced parallel grooves or folds which open toward said one side to receive filter cake, means for tensioning the filter membrane in a direction longitudinally of said grooves during said filtering period, to avoid folding laterally thereto, and means for impressing a back flow hydraulic surge on the membrane

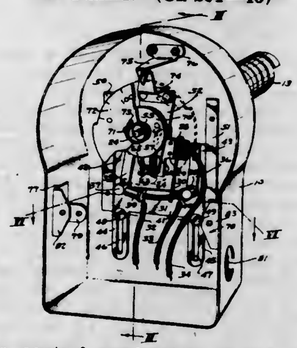
to cause the membrane to be ballooned without grooves or folds, whereby accumulated filter cake is dislodged.

2,041,049
CHICKEN BROODER
John W. Crawford, Flint, Mich.
Application September 15, 1933, Serial No. 689,609
4 Claims. (Cl. 119—17)



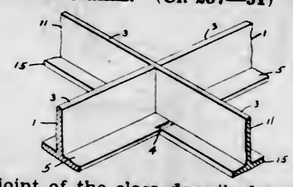
1. A brooder comprising, a plurality of outer posts substantially equally spaced from each other and all substantially equidistant from a common center, a plurality of inner posts substantially equally spaced from each other and substantially equidistant from said common center, there being one inner post for each outer post, and the corresponding inner and outer posts being disposed on a radial line, a plurality of trapezoidal shaped supporting frames disposed between each group of four posts and in vertically spaced relation and arranged to form a closed area and defining an open area between the inner posts and the said common center, clamping means for engaging around each post and each holding the adjacent corners of two of the supporting frames secured to the post, a screen floor for the supporting frames, a screen closure wall supported adjacent the inner posts, supporting elements carried by the clamping means and underlying the supporting frames, pans slidably received on the supporting elements with one pan underlying each screen floor, door supporting means extending between each two outer posts, and a door swingably depending from each door supporting means and extending downwardly into close proximity to the next lower supporting frame.

2,041,050
ADJUSTABLE DIFFERENTIAL CONTROL MECHANISM
Lewis L. Cunningham, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application November 10, 1934, Serial No. 752,481
30 Claims. (Cl. 201—48)



1. In a control mechanism of the character described, an element, a control arm movable with respect to said element to complete said control, means to move said arm according to changes in a condition affecting said means, said arm being moved a predetermined distance with respect to said element by a predetermined range of changes in the condition, means to make said means responsive to selected conditions, and means to increase or decrease said range of changes in the condition required to move said arm said predetermined distance with respect to said element by spreading the increase or decrease proportionately throughout said range.

2,041,051
JOINTING OF MUNTIN OR CROSS BARS
Samuel B. Dallas, Baltimore, Md.
Application July 16, 1934, Serial No. 735,533
3 Claims. (Cl. 287—51)

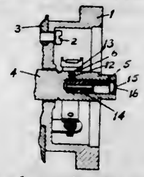


1. A joint of the class described comprising a plurality of interlocking T-bar structures with the webs slotted to permit the webs to interlock and butt up against each other and having the flanges cut-away and dovetailed on one structure and indented on the corresponding structure and the flanges swaged quasi-homogeneously into each other and into a dove-tailed lock without injuriously straining the material of the flange indented and flowed in said lock.

2,041,052
FIREPROOF INSULATING COMPOUNDS
Harry C. Donaldson, Jr., Edgewood, and James G. Ford, Forest Hills, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application November 8, 1934, Serial No. 752,106
7 Claims. (Cl. 252—1)

1. A fireproof compound of dielectric nature comprising not less than 15% of trichlorbenzene and a quantity of polymerized styrene sufficient to substantially raise the viscosity of the compound and to make this viscosity more uniform with temperature change.

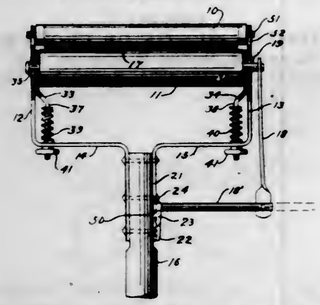
2,041,053
CAM LUBRICATING MEANS
Le Roy S. Dunham, East Orange, N. J., assignor to Edison-Splitdorf Corporation, West Orange, N. J., a corporation of New Jersey
Application March 31, 1934, Serial No. 718,705
4 Claims. (Cl. 74—567)



1. In an internal combustion ignition apparatus, a shaft carrying a circuit breaker cam surface, means for lubricating said surface compris-

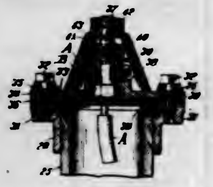
ing a hollow portion in the shaft, said hollow portion carrying lubricant, a passageway leading directly from the hollow portion to said surface, and non-movable capillary acting means in said passageway for controlling the continuous passage of a very small amount of lubricant to said surface.

2,041,054
MOP
Conrad Fatland, Mount Prospect, Ill.
Application January 23, 1935, Serial No. 3,064
6 Claims. (Cl. 15—119)



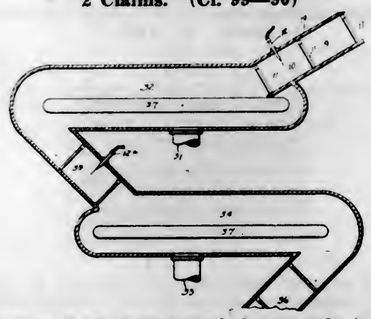
1. A mop head wringer comprising a mop handle, a yoke-like pair of arms fixed to the handle, each pair having an outer and an inner opening adjacent its outer end, a pair of coacting rollers journaled in the respective outer and inner openings, the inner openings being elongated, the inner roller being movable longitudinally of the arms in the openings, each of said arms having a transverse portion, resilient means associated with the transverse portions normally pressing the inner roller towards the outer roller, and adjusting locking means associated with said resilient means for adjustably varying the minimum distance between the rollers when in use and which adjusting means comprises means to hold the inner roller in any one of a number of adjusted positions.

2,041,055
PARKWAY CABLE OUTLET
Otto S. Flath, Chicago, Ill., assignor to Electa M. Flath, Chicago, Ill.
Application August 30, 1933, Serial No. 687,445
6 Claims. (Cl. 247—1)



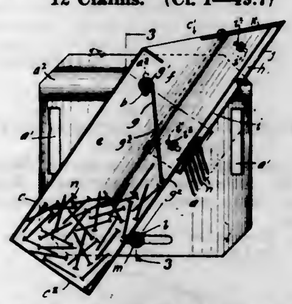
1. A parkway cable outlet having a vertically arranged hollow stand and comprising a top plate provided with an upstanding apertured enlargement socketed on the bottom; a wire holding bolt disposed upwardly through the aperture in the enlargement with the bolt-head in the socket and held against rotation; means cooperating with the bolt for securing the cable-wire and track wires in conducting relation; and means adapted to be removably arranged between the stand and the top plate for insulating the latter from the former and to initially hold said bolt in place.

2,041,056
METHOD FOR TREATING HYGROSCOPIC MATERIALS AT SUBATMOSPHERIC PRESSURES
Walter L. Fleisher, New City, N. Y.
Application October 28, 1933, Serial No. 695,641
2 Claims. (Cl. 99—90)



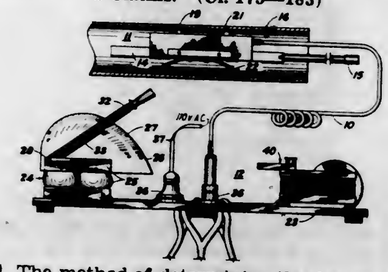
1. A method of treating bakery products consisting in confining the products, within an area whose pressure may be controlled, after the products have left the oven and before they have cooled to a temperature suitable for wrapping, lowering the pressure within the area to remove free water from the products thereby to cool the products, and injecting material within the products while the removal of free moisture is still being carried on whereby the material replaces free moisture and is dispersed throughout the interior of the products.

2,041,057
NAIL STRIPPER
Elroy C. Follett and Albert W. Heater, Newberg, Oreg.
Application October 9, 1934, Serial No. 747,597
12 Claims. (Cl. 1—49.7)



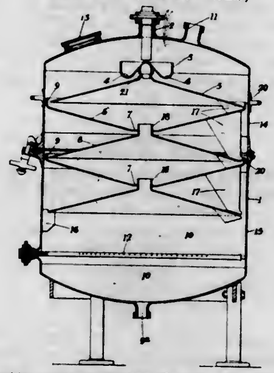
1. A nail stripper provided with a base, a laterally projecting trunnion carried by said base and a container pivotally mounted thereon, an apertured finger dividing said container into two compartments, one a storage compartment and the other an auxiliary feeding compartment, the floor of said feeding compartment being provided with a slot terminating at one end of said container, said slot being adapted to pass the points of nails but to retain the heads thereof, whereby when said container is pivoted about its trunnion in one direction a restricted quantity of nails is discharged from the storage compartment into the feeding compartment past the apertured finger and when said container is moved in the opposite direction to permit all nails not positioned with their points thru the slot to be returned to the storage compartment.

2,041,058
METHOD AND APPARATUS FOR DETERMINING THE PHYSICAL CHARACTERISTICS OF METALS
Francis Nicholas Fossati, Richmond, Calif., assignor to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application January 22, 1934, Serial No. 707,859
2 Claims. (Cl. 175—183)



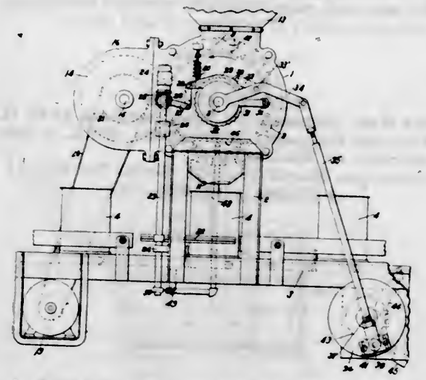
1. The method of determining the degree of deterioration of a normally non-magnetic chromium-nickel-iron tube after it has been subjected to the action of heat and fluid hydrocarbons and has become embrittled thereby, comprising the the step of measuring the magnetic permeability of said tube, and comparing the result with the magnetic permeability of a tube of known ductility and homogeneity.

2,041,059
METHOD OF AND APPARATUS FOR REMOVING GASES FROM MILK OR CREAM OR OTHER LIQUIDS
Thomas Edward French, Kingston, England, assignor to The Aluminium Plant & Vessel Company Limited, London, England
Application September 14, 1933, Serial No. 689,452
In Great Britain September 30, 1932
3 Claims. (Cl. 99—212)



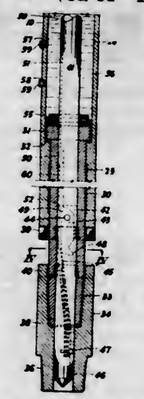
1. A continuous process for pasteurizing milk or cream and disengaging gases therefrom during pasteurization which consists in heating the liquid to effect partial pasteurization, then causing it to flow quietly without further heating as a film with a free surface progressively and alternately increasing and diminishing in extent toward a holding chamber where pasteurizing is completed, and simultaneously subjecting such flowing film to a partial vacuum which is insufficient to cause bubbling of the liquid, then completing the pasteurization of the liquid in the holding chamber, and then cooling the liquid without interruption.

2,041,060
CAN FILLING MACHINE
George D. Gardner, San Jose, Calif.
Application January 15, 1934, Serial No. 706,613
12 Claims. (Cl. 226—69)



1. Apparatus for depositing fruit into cans comprising means for positioning a can to receive the fruit, means arranged and adapted to convey the fruit to a can so positioned, means arranged and adapted to eject a predetermined number of individual fruit from the fruit conveying means into said can upon the can being positioned to receive the fruit, and means for regulating the number of individual fruit to be ejected into said can by the fruit ejecting means, and means arranged and adapted to actuate the fruit ejecting means only upon the can being positioned to receive the fruit.

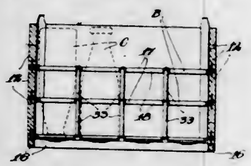
2,041,061
TOOL JOINT CUT-OFF DEVICE
Leroy G. Gates, Bakersfield, Henry N. Herrick and Omar A. Cavins, Berkeley, and William R. Postlewaite, San Francisco, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware
Application April 18, 1934, Serial No. 721,180
9 Claims. (Cl. 81—193)



1. A pipe cutting tool comprising a tubular body, a piston in said body, a shaft carried by said piston and movable by hydraulic pressure on said piston to extend from the end of said body and enter a restricted bore of a pipe to be severed, a transversely extensible cutter on said shaft, a

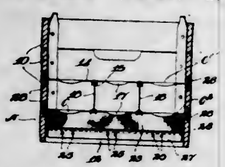
latch for said cutter adapted to be actuated by an extension of said shaft from said body to release said cutter to operative position, and means carried by said body and adapted to engage the pipe to be severed to lift the same after its severance, said last named means adapted selectively to be independent of rotation of said body.

2,041,062
BOTTLE CRATE
Lloyd Hale, Minneapolis, Minn., assignor to G. H. Tennant Company, Minneapolis, Minn., a corporation of Minnesota
Application March 19, 1931, Serial No. 523,711
6 Claims. (Cl. 217—19)



1. A bottle crate having partition members formed from sheet metal, bottle openings formed in said partition members with depending flanges about said openings, a bottom member formed from sheet metal, means for anchoring the edges of said partitions and said bottom in the side wall of the crate, and rivet staybolts extending between said partitions and bottom intermediate the sides thereof.

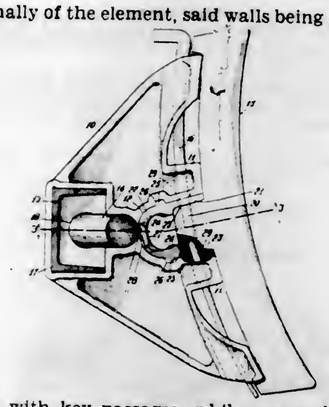
2,041,063
BOTTLE CRATE
Lloyd Hale, Minneapolis, Minn., assignor to G. H. Tennant Company, Minneapolis, Minn., a corporation of Minnesota
Application March 20, 1931, Serial No. 523,975
12 Claims. (Cl. 217—19)



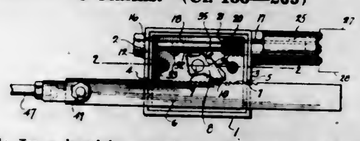
1. A bottle crate including, a unitary partition having upper and lower sections, rivets for holding said sections together, and a sheet-like brace member extending across within said crate to brace the center portion of said partition unit.

2,041,064
WEAR RECEIVING ELEMENT FOR BRAKE HEADS
Victor H. Harbert, Chicago, Ill., assignor to Illinois Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application February 15, 1935, Serial No. 6,706
10 Claims. (Cl. 188—243)

2. A wear receiving element adapted to be removably inserted in the hanger socket of a brake head and to lap the opposing faces of the brake head lugs, said element being composed of a single piece substantially U-shape cross section disposed horizontally to provide top and bottom walls, the outer faces of the top and bottom walls being provided with tapered ribs extending longitudinally of the element, said walls being also provided with key passages, while one end is provided with a longitudinally disposed lug.



2,041,065
LOCKING DEVICE
Stanley R. Hemphill, Seattle, Wash.
Application September 14, 1934, Serial No. 744,027
9 Claims. (Cl. 188—265)



1. In a braking system, the combination with a brake setting means of a brake lock including a ratchet bar operatively connected for movement with the brake setting means, a pawl pivotally mounted in position to engage the ratchet bar, to prevent brake releasing movement thereof, and a spring member engaging the pawl and having a support movable to a position for causing the spring to urge the pawl against the ratchet bar, and to another position whereby it effects a positive connection with the pawl to lift it free of the ratchet bar.

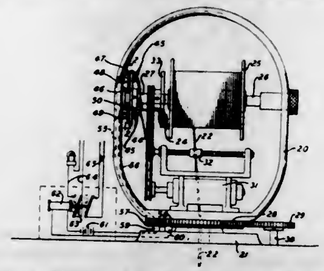
2,041,066
BREAST SUPPORTER
Priscilla Howard, Alameda, Calif.
Application May 13, 1935, Serial No. 21,082
3 Claims. (Cl. 2—42)



1. An under support for pendulous female breasts which comprises a block of sponge rubber crescent shaped in front elevation and substantially triangular in cross section, said block having its upper surface transversely flat and longitudinally concave.

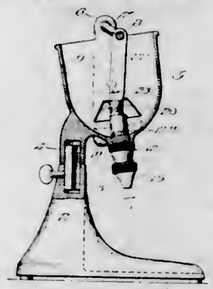
2,041,067
TESTING APPARATUS
Vaughn L. Johannessen, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 10, 1935, Serial No. 1,133
4 Claims. (Cl. 175—183)

1. In apparatus for handling multi-conductor strands, rotatable strand holding means, commutator means having a plurality of stationary contacts and an equal plurality of contacts coacting therewith and rotatable with the strand holding means and connectible respectively with the several conductors of a multi-conductor strand



on the strand holding means, and an electrical circuit connected to the commutator means to be rendered effective thereby upon the occurrence of a short circuit between any two of the conductors.

2,041,068
EMULSIFYING DEVICE
Herbert C. Johnson, Chicago, Ill.
Application December 6, 1934, Serial No. 756,210
7 Claims. (Cl. 99—267)



1. An emulsifying device comprising a bowl, a plug at the bottom of said bowl formed with a cylinder having ports communicating with said bowl and having a vertical orifice at its bottom, a plunger in said cylinder controlling said cylinder ports, a nozzle secured to said cylinder and equipped with a vertical pin extending into said orifice and of slightly smaller diameter, said nozzle being formed with a central discharge orifice and also with emulsifying passages of small dimensions extending radially from the annular space around said pin and communicating with small vertical emulsifying passages which open into said central discharge orifice.

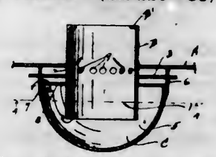
2,041,069
TOY CORNER BLOCK CONSTRUCTION
Frances E. Jones and Francis D. Jones, Helena, Mont.
Application September 4, 1934, Serial No. 742,563
11 Claims. (Cl. 46—26)

1. A toy connecting block construction comprising, a core member, interlocking ribs permanently fixed thereto and extending longitudinally therewith provided with enlarged interlocking edges, said ribs divided into groups offset longitudinally in opposite directions whereby one group protrudes beyond one end of said core member and the other group protrudes beyond the other end of said core member while the remaining ends of said ribs are disposed inwardly



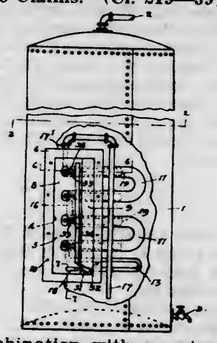
from the corresponding ends of said core member.

2,041,070
THEFTPROOF GAS TANK
Harold D. Jones, Payson, Utah
Application January 28, 1935, Serial No. 3,869
3 Claims. (Cl. 220—86)



1. In a device of the class described, the combination of a filling tube for gas tanks having the inner end extended into the tank and carrying a horizontal deflecting plate therearound; a series of openings in the tube above the level of the deflecting plate, but within the interior of the tank; and a bowl carried on the end of said tube, spaced therefrom, but entirely surrounding the lower portion thereof, with a space between the top of the bowl and the deflecting plate.

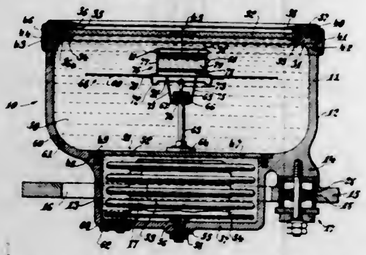
2,041,071
HOT WATER HEATER
Joseph Keegan and Thomas Wadge, Winnipeg, Manitoba, Canada
Application March 15, 1935, Serial No. 11,277
9 Claims. (Cl. 219—39)



1. The combination with a water tank and a service pipe leading therefrom, of a casing per-

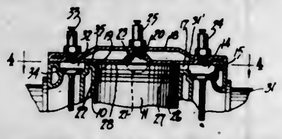
manently secured to the wall of the tank and entering the tank through a suitable opening provided therein, a coil immersed in the water of the tank and permanently carried by the casing and having the ends thereof opening through the wall of the casing, said coil communicating, adjacent one end, with the water in the tank and adjacent the other end with a source of exterior water supply, and electric heaters inserted within the ends of the coils and immersed in the water of the coil, said heaters closing the ends of the coil and being entered through the casing.

2,041,072
MAGNETIC COMPASS
Paul Kollsman, New York, N. Y.
Application July 22, 1933, Serial No. 681,673
12 Claims. (Cl. 33—223)



1. In a compass, the combination with a liquid-damped magnetic sensitive element, of a closed liquid-filled pressure responsive buoyant member for operably supporting said element, whereby a buoyant effect is produced that is substantially constant at different temperatures.

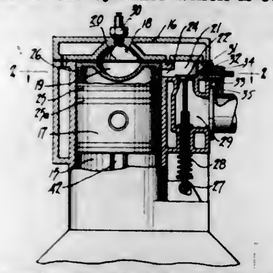
2,041,073
INTERNAL COMBUSTION ENGINE
Ludger E. La Brie, South Bend, Ind.
Application July 29, 1932, Serial No. 626,149
13 Claims. (Cl. 123—191)



1. An internal combustion engine comprising a cylinder and a cylinder head and a piston in the cylinder brought during the engine cycle into immediate proximity to the cylinder head with only a minimum necessary mechanical clearance therebetween, there being two combustion chambers for said engine, one being formed generally centrally of the cylinder between said piston and the cylinder head and the other being formed at one side of the cylinder between the cylinder and the cylinder head and ignition means in both of said chambers.

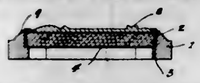
2,041,074
INTERNAL COMBUSTION ENGINE
Ludger E. La Brie, South Bend, Ind.
Application July 29, 1932, Serial No. 626,150
8 Claims. (Cl. 123—37)

5. An engine having a cylinder with a cylinder head, and a piston in the cylinder, the piston and cylinder head having registering semi-spherical recesses jointly forming a main combustion chamber at the top of the piston stroke, and having means forming an auxiliary combustion chamber at one side of the cylinder which is cut off from



the main combustion chamber by the piston at the top of its stroke and a pressure responsive relief device in said auxiliary chamber.

2,041,075
MOUNTING FOR RINGS
John E. Lemmon, St. Albans, N. Y., assignor to J. R. Wood & Sons, Inc., Brooklyn, N. Y., a corporation of New York
Application March 26, 1935, Serial No. 13,020
1 Claim. (Cl. 63—26)



A mounting for rings to hold stones which comprises a base portion having an opening therethrough, the inner surface of the upper portion of the walls of said opening being cut away to provide a shoulder, a bezel which is fitted to and coincides with said cut away portion, an inwardly extending peripheral flange at the top of the walls of said bezel, an insignia adapted to be inserted in said bezel and abut the said flange, a stone fitted in said bezel which abuts said insignia with one surface, the other resting on said shoulder, the upper edge of the wall of said opening being swaged to hold said parts in position, whereby the parts may be disassembled by pressing on that portion of the stone which is exposed through said opening.

2,041,076
PENETRATING OIL
Bert H. Lincoln and Alfred Henriksen, Ponca City, Okla., assignors to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
No Drawing. Application July 25, 1932, Serial No. 624,645
9 Claims. (Cl. 87—9)

1. A penetrating oil comprising in combination a low boiling petroleum oil, a small amount of halogenated fatty acid, and a solvent.

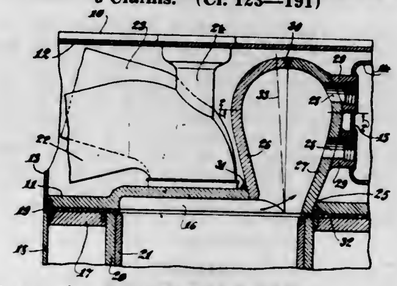
2,041,077
PROTECTOR FOR DENTAL DRILL HAND PIECES
Alfred M. Lininger, Englewood, Colo.
Application March 2, 1935, Serial No. 9,026
2 Claims. (Cl. 32—30)

1. A protector for dental hand pieces of the type having a projection for aligning an angle attachment comprising: a metallic sleeve shaped to slide over the sheath of said hand piece and spring in place back of said projection; a rubber tip shaped to fit over the chuck of said hand piece and engage the extremity of said sleeve, said tip being provided with an opening for the passage of the



operating instrument; and a metallic member extending upwardly from said sleeve so as to assume a position opposite the spindle pulley of said hand piece.

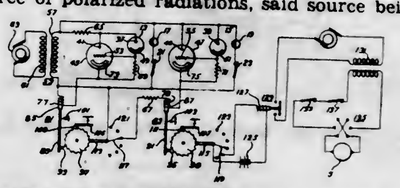
2,041,078
HEAD FOR INTERNAL COMBUSTION ENGINES
Bruno Loeffler, Plainfield, N. J., assignor to International Motor Company, New York, N. Y., a corporation of Delaware
Application October 18, 1933, Serial No. 694,044
3 Claims. (Cl. 123—191)



2. An engine head adapted for use with engines having cylinder blocks with cylinders formed therein, the head being formed of top, bottom and side plates secured together, one of the side plates having a spark plug recess formed therein, inlet and exhaust ducts mounted between the top and bottom plates, said bottom plate being formed with a recess cooperating with the engine cylinder and having an aperture formed therein at one side of the recess, means forming a combustion chamber over the engine cylinder and between the top and bottom plates and secured to the edges of the aperture in the bottom plate, the chamber being formed with curved walls and a curved deflecting entrance adjacent the aperture in the bottom plate adapted to form a vortex of fluids directed thereinto.

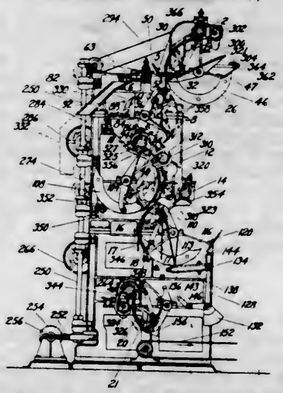
2,041,079
RELAY
Frederick W. Lyle, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application July 30, 1930, Serial No. 471,620
17 Claims. (Cl. 250—41.5)

1. A photo-sensitive device comprising a plurality of light-sensitive cells, means for supplying current to said cells, work means energized by current from said cells, a plurality of containers for said cells, said containers being provided with light-polarizing windows having their planes of polarization at an angle to each other, and a source of polarized radiations, said source being



movable relative to said cells in such manner that the plane of polarization of the radiations emitted thereby may be made at will to correspond to the plane of polarization of any one of said windows to permit selective excitation of said cells by said source.

2,041,080
MACHINE FOR OPERATING UPON SHEET MATERIAL
George E. McLaughlin, Salem, Mass., assignor to The Turner Tanning Machinery Company, Portland, Maine, a corporation of Maine
Application December 11, 1933, Serial No. 701,786
35 Claims. (Cl. 149—16)

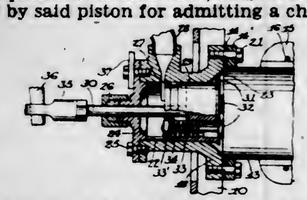


1. A machine for operating upon sheet material comprising a series of work treating tools, and a series of work supports arranged in alternation with said tools, one work support associated with each tool, each support being constructed and arranged to serve as the sole support for the work during presentation of the work to its associated tool, and each work support being operable to deliver the piece of work following treatment by its associated tool directly to the next work support in the direction of movement of the work.

2,041,081
ROCKET ENGINE
Walter R. Menzies, Milwaukee, Wis.
Application October 6, 1934, Serial No. 747,129
6 Claims. (Cl. 244—18)

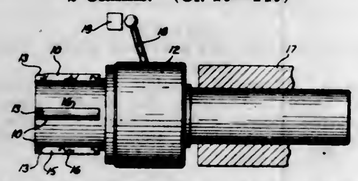
1. An engine comprising a combustion tube having a charge inlet at one end and an exhaust outlet at the other end, the inlet end of said tube having a head provided with a bore, there being an inlet port in said bore, a piston movable in said bore for covering and exposing said port and being urged to port-closing position by ex-

plosion pressure in said tube, and a check valve carried by said piston for admitting a charge into



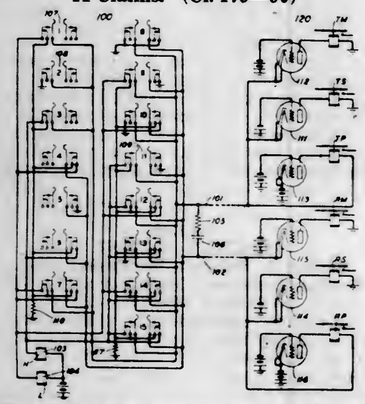
the tube in the interval in which said port is exposed.

2,041,082
THREAD CUTTING TOOL
Ivar A. Morberg, Chicago, Ill., assignor to Western Electric Company, New York, N. Y., a corporation of New York
Application October 6, 1934, Serial No. 747,145
2 Claims. (Cl. 10—140)



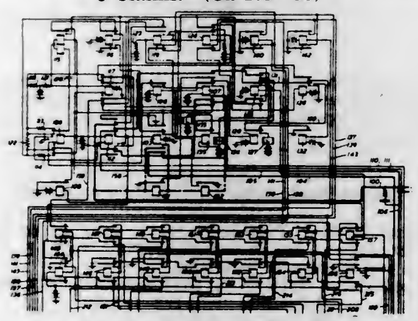
1. A thread forming tool having a predetermined number of cutting threads formed in one surface thereof for cutting threads in an article while rotating, means for moving the thread forming tool relative to the article in one direction for causing threads to be cut therein, cutting means disposed adjacent the last cutting thread for cutting a predetermined portion of the first formed thread from the article, and means for moving the cutting tool relative to the article at right angles to the said direction for causing the cutting edge to sever the previously cut thread portion from the threads remaining in the article.

2,041,083
TELEPHONE SYSTEM
Oscar Myers, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 29, 1934, Serial No. 759,665
11 Claims. (Cl. 179—90)



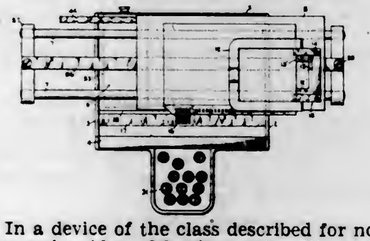
1. In a telephone system, an impulse sending device, a registering device, a two-conductor control circuit extending from said sending device to said registering device, a plurality of ionic relays in said registering device associated with the conductors of said control circuit, and means controlled by said sending device for transmitting impulses of different potential and polarity over either conductor singly or both of the conductors of said control circuit to selectively operate said ionic relays.

2,041,084
TELEPHONE SYSTEM
Oscar Myers, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 29, 1934, Serial No. 759,666
9 Claims. (Cl. 179—90)



1. In a signaling system a two-conductor control circuit, a first gaseous conductor tube having its cathode connected to one conductor of said circuit and its anode connected to the other conductor, a second tube having its anode connected to said one conductor and its cathode connected to said other conductor, a relay in the cathode-anode circuit of each tube, and means for selectively operating said relays by applying negative potential to said one conductor and ground to said other conductor or vice versa.

2,041,085
KEY CARD PUNCH
Donald A. Nevin, Athens, Ohio, assignor to The McBee Company, Athens, Ohio, a corporation of Ohio
Application March 21, 1935, Serial No. 12,142
19 Claims. (Cl. 164—112)

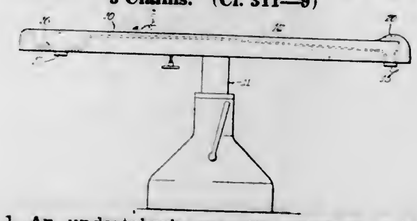


1. In a device of the class described for notching a card, said card having a plurality of holes adjacent its margin, said holes being arranged in numbered groups, a plurality of punches adapted to notch the edges of said card, keys to actuate a selected number of said punches, a reciprocating card table, spring means which presses upon the surface of the card to hold said card on said table, manually operative means to shift the position of said card and table.

2,041,086
ART OF BORING WELLS IN CAVERNOUS STRATA
Jolly W. O'Brien, Houston, Tex., assignor to National Pigments & Chemical Company, St. Louis, Mo., a corporation of Missouri
No Drawing. Application December 22, 1932, Serial No. 648,517
5 Claims. (Cl. 166—21)

1. In the art of boring wells in cavernous strata, the process comprising, depositing at the bottom of the bore hole adjacent the cavernous strata successive portitons of a settable cementitious mass of gel formation having a substantial angle of repose with a setting period between the deposits and drilling through the masses after the same have set.

2,041,087
UNDERTAKER'S OPERATING TABLE
Edward Ocasek, Chicago, Ill., assignor to The Undertakers Supply Co., Chicago, Ill., a corporation of Illinois
Application March 9, 1934, Serial No. 714,799
3 Claims. (Cl. 311—9)



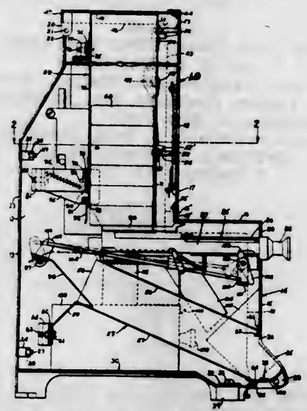
1. An undertaker's operating table having a raised rim portion and a raised surface inside said rim portion and provided with drain troughs adjacent the rim portion and separating the rim portion from said raised surface and an outlet opening at one end, means for preventing the liquid running down said troughs to the outlet from splashing over comprising a splash shield extending back over the trough portion from the rim and curved downwardly so as to direct any liquid moving up on the rim back down over the trough and onto the raised surface.

2,041,088
METHOD OF MAKING GRANULATED MATERIALS
Theodor Wilhelm Pfirrmann, Castrop-Rauxel, Germany, assignor to Friedrich Uhde Ingenieur-Buro, Dortmund, Germany
Application June 24, 1933, Serial No. 677,450
In Germany September 14, 1931
1 Claim. (Cl. 71—9)



In the manufacture of rounded coated granules, the process which comprises forming the material to be coated into granules of substantially uniform size, passing said granules in the presence of a binding medium and in admixture with a coating material in powder form along the surfaces of a plate while heating said granules and simultaneously vibrating said plate at high frequency in such fashion that said granules are thrown free from said plate and then dropped thereon, thereby compressing said coating material into firmly adherent shells surrounding said granules and producing rounded coated granules.

2,041,089
VENDING MACHINE CABINET
William H. Rowe, New York, N. Y.
Application March 26, 1934, Serial No. 717,292
1 Claim. (Cl. 312—35)

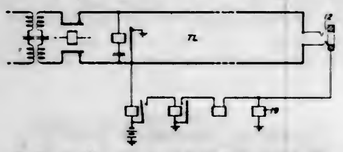


A vending machine including a cabinet having sides, a bottom, a top, and a back, said cabinet having a frame therein, said frame including a front part extending transversely of said cabinet, said front part having a plurality of spaced apertures therein, a plurality of plungers supported on said frame, each plunger including an operating portion passing through one of said apertures and projecting beyond said frame, said cabinet including an open front portion, a front member pivotally mounted on said cabinet and movable to a position to close said open front portion, said front member including a shelf portion disposed above said frame and a front plate portion below said shelf portion and disposed in advance of said front part of said frame, said front plate portion below said shelf portion having a plurality of apertures therein, said apertures being aligned with said plungers, said front plate portion having side flanges at each side thereof, each of said side flanges being connected to said shelf to reinforce the shelf, said front member having an elongated aperture therein and said cabinet having a discharge chute disposed in the rear of said elongated aperture.

2,041,090
GROUPING CIRCUIT
George N. Saul, Brooklyn, and John B. Shiel, Glen Head, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 29, 1934, Serial No. 759,672
7 Claims. (Cl. 179—51)

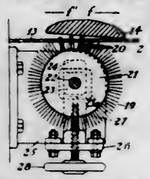
2. In a telephone grouping system, first and second operators' positions, each position comprising an operator's telephone circuit and an operator's telephone set normally connected thereto, and manually controlled means for switching the operator's telephone set at one position from its associated telephone circuit to

the telephone circuit of the other position, said



means being effective only when a talking key is operated at said other position.

2,041,091
METHOD FOR REMOVING BISCUITS FROM OVEN CONVEYERS
Robert Savy, Courbevoie, France, assignor to Baker Perkins Company, Inc., Saginaw, Mich., a corporation of New York
Application September 6, 1935, Serial No. 39,412
In France September 21, 1934
2 Claims. (Cl. 107—54)



1. Method of separating baked biscuits from a traveling oven band having mesh-like openings, comprising: applying lifting force, prior to cooling and hardening, to the faces of bosses of baked material that project downwardly into said openings, lifting the bosses in regular order free from engagement with the meshes of the band, lowering the said successively lifted portions of the biscuits onto the moving band in substantially their original positions, further cooling the biscuits, and removing them from the band.

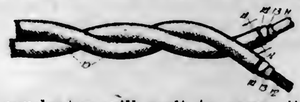
2,041,092
STEREOTYPE MAT
Arlie W. Schorger, Madison, Wis., assignor to Burgess Cellulose Company, Freeport, Ill., a corporation of Delaware
No Drawing. Application November 28, 1933, Serial No. 700,083
20 Claims. (Cl. 91—70)

1. The method of improving the casting properties of a stereotype mat without impairing the strength and flexibility thereof which comprises coating said mat with a cellulose carbonizing substance which is not more than 5% soluble in water at 30° C. and appreciably soluble in hot water, and heating said stereotype mat to a temperature at which the moisture therein is expelled rapidly from said mat.

10. A stereotype mat having a coating comprising a substance capable of carbonizing cellulose fibers, said substance being not more than 5% soluble in water at 30° C. and appreciably soluble in hot water.

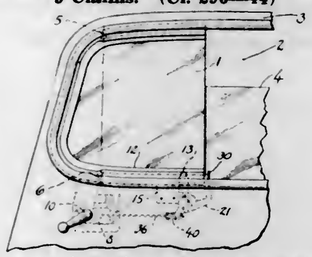
2,041,093
SAFETY CONDUCTOR
Edmund O. Schweitzer, Northbrook, Ill.
Application March 28, 1932, Serial No. 601,488
18 Claims. (Cl. 200—113)

1. In combination in a device of the class described, a pair of separately insulated electric conductors at least one of which is composed of a fusible metal, and an arc extinguishing substance associated with said conductors, whereby in the event of a contact between said conductors and a flow of current between them the



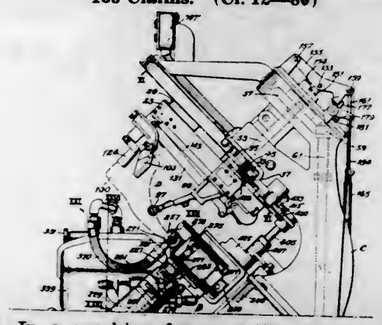
fusible conductor will melt to cause its surface to recede to separate the conductors and the arc extinguishing substance will quench the resulting arc.

2,041,094
LOCK FOR A SWINGING WINDOW PANEL
Emory Glenn Simpson, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application August 23, 1935, Serial No. 37,425
9 Claims. (Cl. 296—44)



1. In an automotive vehicle the combination with a swinging window panel and a regulator for swinging the said panel, of a reciprocable latch bolt for locking said regulator when the window panel is opened as well as when the window panel is closed, a reciprocable latch bolt separate from said above-mentioned latch bolt for locking said panel only in closed position, and a single means for reciprocating said bolts to locked or unlocked position.

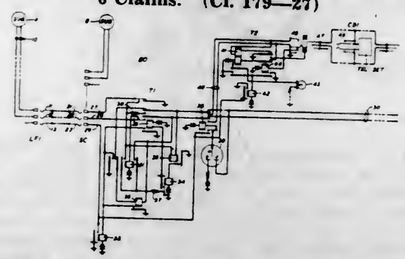
2,041,095
MACHINE FOR OPERATING UPON SHOES
Ernest W. Stacey, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application March 28, 1933, Serial No. 663,121
133 Claims. (Cl. 12—80)



1. In a machine for operating upon a shoe unit which comprises a shoe on a last around the periphery of the shoe adjacent to the bottom thereof, a jack for supporting a shoe unit, in approximately right-side-up position, said jack including relatively movable clamping members

for holding the unit on the jack by engagement with the top of the unit leaving the bottom of the shoe unobstructed, an operating tool, and means to produce a continuous progressive relative movement of said jack and said tool to bring the tool progressively into operative relation with the whole of the peripheral bottom portion of the shoe.

2,041,096
TELEPHONE SYSTEM
Ray L. Stokely, Floral Park, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 28, 1934, Serial No. 759,441
6 Claims. (Cl. 179—27)



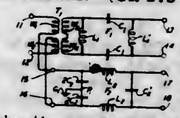
2. In a telephone system comprising a branch exchange and an automatic central exchange and subscribers' lines in each of said exchanges, an attendant's equipment at said branch exchange, a trunk between said exchanges, and means comprising a three-element gas-filled tube associated with said trunk for transferring a call originating in said branch exchange from said trunk to said attendant's equipment.

2,041,097
CALENDAR
Lester L. Vierling, Oradell, N. J., assignor to American Colortype Company, New York, N. Y., a corporation of New Jersey
Application August 16, 1935, Serial No. 36,482
1 Claim. (Cl. 40—119)



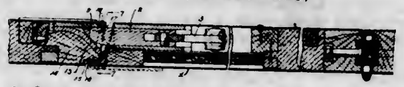
A calendar having a cover folded intermediate the ends thereof and provided with hinge means at the fold, pages formed by sheets folded intermediate the ends thereof and hinged at the hinge means to form pages having outer and inner sides in a suspended position, calendar indicia on the outer sides of the pages, artistic matter on the inner sides of the pages and adapted to be viewed when swung about the hinge into an upper position, tabs stamped out of the material of the cover at each end thereof to support the pages flatwise against the adjacent portion of the cover, and apertures in the cover and pages, said apertures being aligned in the closed position of the pages and cover, whereby the apertures of the upwardly swung pages will be spaced successively nearer the hinge and thus subject the upwardly swung pages to a portion of the weight of the calendar.

2,041,098
WAVE TRANSMISSION NETWORK
Horace Whittle, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 19, 1934, Serial No. 726,454
21 Claims. (Cl. 178—44)



2. In combination, a transformer the primary of which comprises two equal windings, a wave filter having its input terminals connected in series between said two windings, and a second wave filter connected to the secondary of said transformer.

2,041,099
DOOR LOCK
Leroy E. Williams, Edgerton, Wis., assignor to Highway Trailer Company, Edgerton, Wis., a corporation of Wisconsin
Application December 17, 1932, Serial No. 647,771
1 Claim. (Cl. 292—340)



A keeper for a locking bolt of the type having its end formed with a surface extending parallel to the direction of movement of the bolt, and an inclined surface intersecting the other to form a wedge-like terminal, said keeper comprising an inclined strike plate disposed to engage the inclined surface of the bolt terminal in its locked position, and a resilient plate opposing the strike plate for engagement with the outer face of the bolt, said resilient plate being bent normally toward the strike plate but having an outwardly exposed flaring lip to engage the end of the wedge-like bolt terminal as it approaches the keeper, whereby the bolt acts to force said resilient plate laterally and said plate serves to hold the bolt resiliently against the inclined strike plate at locked position.

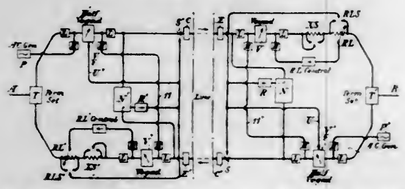
2,041,100
ELECTRICAL CONNECTER
Henry D. Wilson, Jr., South Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 20, 1934, Serial No. 749,233
4 Claims. (Cl. 173—273)



1. An electrical connecter comprising a rigid member having a portion adapted to engage a terminal and having also parallel arms extend-

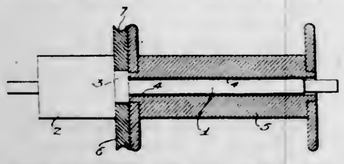
ing therefrom, pins extending from said arms, a lever having arms disposed one adjacent each of said first arms and pivoted on said pins, said lever being adapted to be moved to a position substantially parallel to said rigid member, and a flexible metallic member secured to said rigid member and to said second arms at points behind said pins relative to said portion when said lever is in said parallel position, said flexible member having a portion adapted to partly encompass said terminal, said points lying between said pins and said rigid member whereby the pull of said flexible member locks said lever against said rigid member and securely holds said terminal against said portion when said lever is in said parallel position.

2,041,101
TELEPHONE TRANSMISSION CIRCUIT
Sumner Bisbee Wright, South Orange, and Doren Mitchell, Bound Brook, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York
Application December 6, 1934, Serial No. 756,334
21 Claims. (Cl. 178—44)



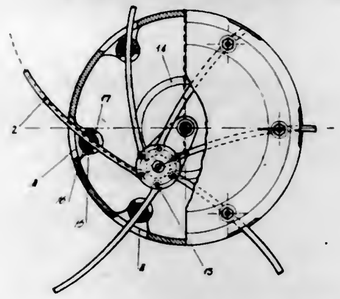
1. In a telephone system including a volume controlled four-wire circuit, the method of obtaining equal receiving volumes at the two ends independent of the speakers, which consists in partially reducing the volume range at one point, further reducing the volume range to zero at another point, and introducing a loss proportional to the sum of the gain changes necessary to effect the two reductions.

2,041,102
WINDING HEAD
Andrew Wylie, Clifton, N. J., assignor to L. C. Smith Bobbin Works, Phillipsburg, N. J., a corporation of New Jersey
Application January 31, 1934, Serial No. 709,226
2 Claims. (Cl. 242—35)



1. A winding head for textile spools of the conventional type comprising a barrel having flat-faced disk-like heads, said winding head comprising a spindle, a pulley affixed to the spindle adjacent one end thereof, and a spool-receiving section of greater length than the spool and provided with means for immobilizing the spool with the spindle, a reduced extension at the inner end of said pulley, and a circumferentially recessed disk of substantially the same diameter as the spool head mounted on said pulley extension and presenting a flat face for abutment with the face of said spool head.

2,041,103
PROPULSION SYSTEM
Alberto Zegers, Santiago, Chile, assignor to Comunidad "Propulsor Chile", Santiago, Chile
Application December 3, 1934, Serial No. 755,892
4 Claims. (Cl. 170—145)



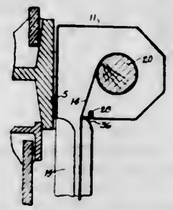
1. A propulsion wheel provided with blades for the propulsion of aerial and seagoing vehicles, centrifugal pumps, hydraulic turbines and other similar devices; consisting in the combination of a substantially cylindrical housing closed on all sides and adapted to receive rotation movement about its central axis from a source of power; said housing containing a plurality of blades adapted to be reciprocated through openings in the peripheral wall of said housing, an adjustable crank shaft coaxial with said central axis, an eccentrically positioned spindle secured to the crank shaft, a cage revoluble on said spindle, pivots adjacent the peripheral edge of said cage upon which pivots the inner ends of the blades are pivoted, means for adjusting the angular position of said spindle with reference to said housing, a projecting guide pivot on said cage engaging in a circular groove having a radius equal to the distance between the axis of said spindle and the axis of said crank shaft, and individual movable bearings acting as guide members for said blades mounted in sockets provided adjacent the peripheral wall of the housing.

2,041,104
SHAFT COUPLING
Edwin C. Ballman, St. Louis, Mo.
Application May 5, 1934, Serial No. 724,069
4 Claims. (Cl. 64—13)



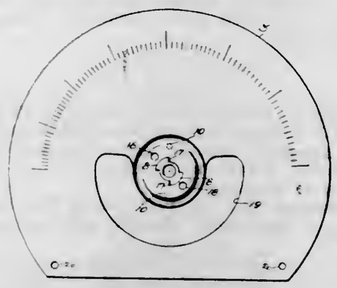
3. A flexible shaft coupling, comprising, a pair of flange members having hubs attachable to the shaft to be coupled spaced closely adjacent to each other at their inner ends and provided with radially extending portions at their outer ends, an intermediate member having a portion extending around said hubs and a portion extending axially thereof, driving members positioned outside of said radially extending portions, means connecting each of said driving members to said intermediate member for flexure at two points only in diametrically opposite relation with respect to the shafts, all said points being substantially in one plane, and means connecting each of said driving members to one of said flange members at the radially extending portion thereof for flexure at two points only in diametrically opposite relation with respect to said shafts, the points of connection of each of said driving members to said intermediate member and said flange member respectively being on substantially perpendicular lines.

2,041,105
ROLLER SCREEN
Albert W. Barnhart, Youngstown, Ohio
Application May 9, 1930, Serial No. 450,925
9 Claims. (Cl. 156—39)



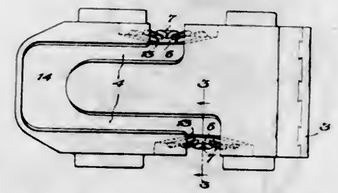
1. In a casement window screen, the combination with a roller housing, of screen guides associated therewith and adapted to be adjustably positioned thereon, said guides comprising hollow box-like members, having slots associated with the back walls thereof, and means extending through the slots and adjustable from the outer side of the frame for locking the housing and guides to the casement frame.

2,041,106
INDICATING DEVICE FOR RADIO RECEIVERS
Gerald J. Barry, Philadelphia, Pa., assignor to Philco Radio & Television Corporation, Philadelphia, Pa., a corporation of Delaware
Application March 11, 1935, Serial No. 10,566
4 Claims. (Cl. 116—124.2)



1. A detachable assembly for radio dials and the like, comprising a face plate adapted for attachment to a shaft and having a projecting hub portion of distinctive shape with an arcuate slot, a disk adapted to be placed against said plate and having an aperture shaped to receive said hub portion, interlocking means on said plate and said disk to prevent relative rotation therebetween, and a resilient locking plate adapted to be placed against said disk and having an aperture shaped to receive said hub portion and an edge portion adapted to enter said slot when said locking plate is slightly rotated.

2,041,107
BUSH
Louis Henri Pierre Bastin, Bois-Colombes, France, assignor to Societe Generale Isothermos S. A., Paris, France, a corporation of France
Application April 14, 1934, Serial No. 720,622
In France April 19, 1933
9 Claims. (Cl. 308—79.1)



1. A bearing for journal boxes having top oil supply channels, and distributing surfaces at the sides of the bearing each having the general shape of a trapezium, with downwardly diverging sides, the lower edge of each of said surfaces being formed to provide alternate receding and projecting portions, and ribs on said distributing surfaces leading to each projecting portion of said bottom edge.

2,041,108
UNIT SOLDERLESS WIRE CONNECTER
Robert A. Becker, Sr., and Stephen P. Becker, Poughkeepsie, N. Y.
Application June 4, 1935, Serial No. 24,810
2 Claims. (Cl. 173—303)

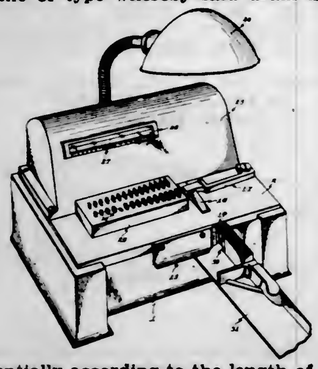


1. A unit type solderless wire connecter comprising a casing formed with a tubular bore open at one end and a tapered bore communicating with the tubular bore, screw threads formed in the outer end of the tubular bore to receive a closing member, a series of jaws formed with tapered sides in contact with the tapered bore, and wire gripping faces adapted to contact with a wire, a follower slidably mounted within the tubular bore and formed with an annular groove, hooks formed on the ends of the jaws for engagement with said annular groove for attaching the jaws to the follower, a spring mounted within said tubular bore in contact with said follower and the closing member, and an opening formed in the side of said casing adjacent the annular groove in the follower.

2,041,109
JUSTIFYING DEVICE
Richard Paul Bernhardt, Chicago, Ill.
Application December 7, 1934, Serial No. 756,461
6 Claims. (Cl. 276—28)

1. A justifying device comprising a rotatable calibrated drum, lineally shiftable means arranged to differentially rotate said drum and normally having a predetermined positional relation with a fixed point on said justifying device, means to support a line of type with one end thereof in alinement with said shiftable means and in fixed relation with said fixed point, and means to manually shift said lineally shiftable

means into engagement with the other end of said line of type whereby said drum is rotated



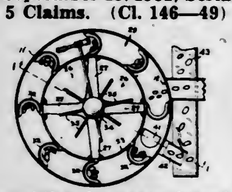
differentially according to the length of said line of type.

2,041,110
TROLLEY SYSTEM AND DEVICE
Leland W. Birch, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application April 23, 1935, Serial No. 17,814
16 Claims. (Cl. 191—40)



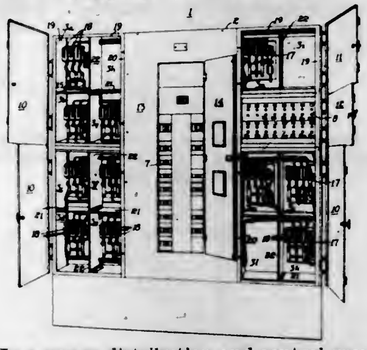
1. A trolley wire system comprising a supporting structure, a hanger provided with a plurality of relatively movable wire holders supported by the structure, an auxiliary wire supported by the hanger at a plurality of spaced points and free to move longitudinally relative to the supporting structure and a trolley wire supported by the auxiliary wire to move with the auxiliary wire relative to the supporting structure.

2,041,111
VEGETABLE AND FRUIT SKIN REMOVING DEVICE
Newman T. Brown, Seattle, Wash., assignor, by mesne assignments and decree of distribution, to Katherine H. Grommesch
Application September 15, 1931, Serial No. 562,907
5 Claims. (Cl. 146—49)



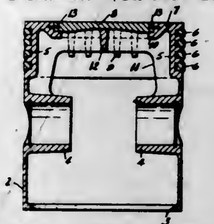
1. A device of the character described, embodying a stationary circular friction base having an article discharging hole therein; a rotating pocket mounting cylinder concentrically disposed with and in vertical spaced relation to said base; a casing forming the outer wall disposed adjacent the outer periphery of said base, said base, cylinder and casing forming an annular passageway; a plurality of pocket means with rearwardly inclined back wall and open front mounted on said cylinder; and an article feeding opening located in said casing in close proximity to and in advance of said discharging hole.

2,041,112
CABINET PANEL BOARD UNIT
Fred J. Bucher, Pittsburgh, Pa.
Application March 3, 1934, Serial No. 713,853
6 Claims. (Cl. 175—298)



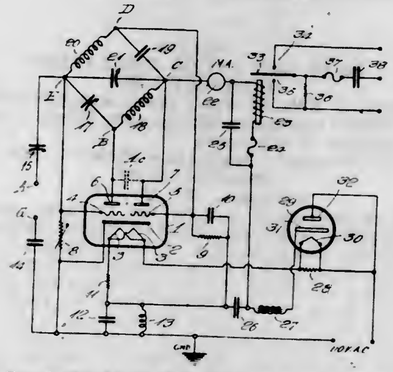
2. In a power distribution and control group of the factory assembled type containing all the apparatus essential for the protection, control, and distribution of power to all the power consuming devices of an industrial plant or all of the power consuming devices of a particular section or unit of such plant, and requiring merely the connection of its bus bars to the power supply and the connection of the electric power consuming devices thereto, comprising a cabinet having the aforesaid essential apparatus therein, and characterized by the fact that the cabinet has a centrally located compartment in which bus bars are housed; that a plurality of compartments spaced symmetrically to either side of said bus bar compartment each houses an electric contactor provided with an electromagnet for operating the same and disposed for connection to a power consuming device; that the cabinet contains compartments having therein protective circuit interrupting devices in circuit with the bus bars and said contactors; that the cabinet contains a compartment having push button switches for selectively energizing or deenergizing said operating electromagnets; and that the cabinet is provided with covers for closing said compartments.

2,041,113
INTERNAL COMBUSTION ENGINE PISTON
Donald J. Campbell, Spring Lake, Mich., assignor to Campbell, Wyant and Cannon Foundry Company, Muskegon Heights, Mich., a corporation of Michigan
Application May 23, 1935, Serial No. 23,109
4 Claims. (Cl. 309—14)



1. A single acting piston for internal combustion engines, comprising among other elements, a skirt portion, a packing ring portion and a head portion, the said head portion consisting of an inwardly extending annular flange having a shoulder and insert member of greater heat conductivity than the packing ring carrying portion or skirt supported by the inwardly extending flange of the head portion and means consisting of a metal washer embedded in the metal of the inwardly extending flange and the insert for sealing the joint between the said insert and flange against leakage of pressure within the cylinder of the engine therefrom.

2,041,114
ELECTRICAL DISCHARGE TUBE CIRCUITS
Louis F. B. Carini, Wethersfield, Conn.
Application November 14, 1934, Serial No. 753,036
12 Claims. (Cl. 250—36)



1. In electrical discharge apparatus the combination of a dual electron discharge device having a cathode, a pair of grid electrodes and a pair of anodes, a balanced circuit, comprising a ring including a plurality of legs, inductance and capacity elements connected in said legs, one of the legs of said circuit being connected between said anodes and another of the legs of said circuit being connected between said grid electrodes, means for impressing a certain potential bias upon each of said grid electrodes, means for energizing the circuits of said anodes and means for causing one section of said dual discharge device, including said cathode, one of said grid electrodes and one of said anodes to generate electrical oscillations and means for causing the other section of said dual tube, including said cathode, the other of said grid electrodes and the other of said anodes to amplify the oscillations generated by said first section of said discharge device.

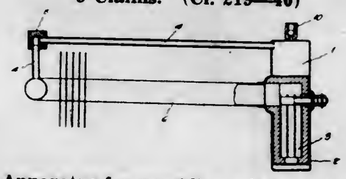
2,041,115
INDICATING DEVICE FOR USE WITH CLOCKS
Gerard Charles Henry Clayton, London, England, assignor to Instanta Electric Limited
Application August 23, 1935, Serial No. 37,452
In Great Britain October 18, 1933
1 Claim. (Cl. 177—337)

A device of the character described comprising a chassis, a casing, means for removably mounting the casing on said chassis, a clock motor mechanism carried by said casing, a clock dial having the usual time indicating indicia carried by said casing, clock hands operable by said motor mechanism and movable over said dial to indicate the time, said indicia on the clock dial at least in part being light-transmitting, a framework interposed between the dial and the chassis, said framework being divided into compartments located respectively behind the indicia, and a plurality of electric lamps mounted on said



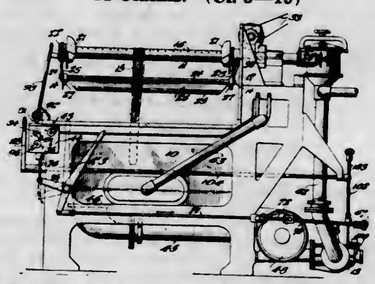
chassis and projecting respectively into said compartments.

2,041,116
ELECTRIC STEAM CONDENSER
Louis G. de Kermor, Edmonton, Alberta, Canada
Application April 4, 1934, Serial No. 718,888
5 Claims. (Cl. 219—40)



1. Apparatus for providing a balanced heat exchange system comprising a casing, an electric steam generator positioned therein and containing an electrolyte, said casing having a compression chamber in its upper portion, means intermediate said generator and chamber for condensing the steam, an air line between the condensing means and chamber, said air line including throttling means, and means of communication between the chamber and generator.

2,041,117
DYEING MACHINE
George E. Drum and William H. Jaxheimer, Philadelphia, Pa., assignors to Smith, Drum & Company, Philadelphia, Pa., a corporation of Pennsylvania
Application November 22, 1933, Serial No. 699,130
11 Claims. (Cl. 8—19)

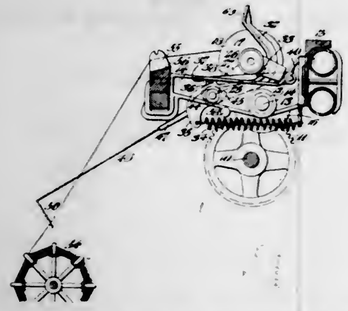


3. A lifting mechanism for material treating machines consisting of two rotatably mounted arms, a lifting member mounted between said

arms for movement relative thereto, and means for maintaining said member in a predetermined position in all positions of said arms.

6. In a material treating machine, the combination of a treating mechanism comprising a fixed perforated support for suspending material therefrom above a treating solution, a lift rod, means for mounting said rod for movement relative to said support, a tank for the treating solution, a pump having a suction pipe communicating with said tank, a control valve arranged to selectively connect said discharge with said tank or with said support, means for selectively actuating said control valve, and means for rendering said rod moving means ineffective when said pump discharge communicates only with said tank.

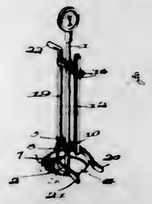
2,041,118
THREAD WINDING MECHANISM
Harry S. Drum, Abington, and William C. Dodson, Jenkintown, Pa., assignors to Smith, Drum and Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 31, 1934, Serial No. 728,204
4 Claims. (Cl. 242—36)



1. In a thread winding mechanism a pair of arms for rotatably mounting a spool, a device for transmitting motion to said spool, means for pivoting said arms to position said spool in operative association with said device, a pivotally mounted doffing arm for removing said spool from association with said device, means including a spring for throwing said doffing arm to doffing position, latch means for rendering said spring means ineffective, a rock rod arranged to control said latch means, and a control means for releasing said latch means, said control means including a cam operating in one direction to rock said rod in response to failure of said thread to feed and in another direction in response to the breaking of a thread whereby said doffing arm is actuated in response to both abnormal thread conditions.

2,041,119
GOLF COURSE MARKER
Charles G. Duganne, Washington, D. C.
Application March 3, 1933, Serial No. 659,554
8 Claims. (Cl. 273—34)

1. In a golf course hole marker, a pin, a cup for said pin, a plurality of bracket members pivotally mounted on the pin, and a measuring device pivotally mounted at one end upon one of said bracket members and its other end held in folded position by another of said bracket members, whereby the distances of a plurality of balls may be measured at different distances and in different directions from said pin, and means for

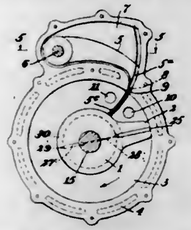


adjusting said bracket member in a vertical direction upon said pin.

2,041,120
HEAT AND SOUND INSULATING COMPOSITION
George H. Ellis, St. Paul, Minn., assignor to The Insulite Company, Minneapolis, Minn., a corporation of Minnesota
No Drawing. Application March 1, 1934, Serial No. 713,517
4 Claims. (Cl. 106—18)

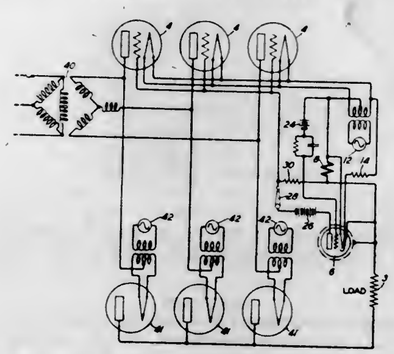
1. A method of making fire resisting, sound absorptive, insulating material which comprises reducing woody material to long, slender, curly shavings, preparing a fire resisting solution which includes two parts of ammonium phosphate and eight parts of ammonium sulphate, adding a binder consisting of eight to fifteen parts of wood pulp, depositing the shavings in the solution for a time sufficient for the strands to become saturated, forming a relatively thick product from the shavings, and subjecting the product to pressure while drying.

2,041,121
ROTARY ENGINE, PUMP, AND THE LIKE
John Fareso, Sr., North Kensington, London, England
Application July 20, 1934, Serial No. 736,267
In Great Britain July 20, 1933
7 Claims. (Cl. 103—124)



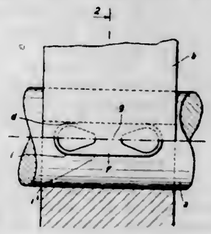
1. In a rotary engine having a rotary pistch adapted to operate in an annular chamber in cooperation with an abutment which seals the chamber during rotation of the piston so as to prevent communication between the outlet and inlet ports and provide the working chamber, the combination therewith of means associated with the piston member and movable relatively thereto for maintaing a seal between the walls of the annular space and the piston member, said means including centrifugal means operable to reduce the sealing pressure on the walls of the annular space at elevated speeds of rotation of the rotary member, and means for counteracting any reduction in pressure in the annular space below atmospheric pressure.

2,041,122
TRANSMISSION CONTROL SYSTEM
Clifford E. Fay, Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 23, 1931, Serial No. 582,763
5 Claims. (Cl. 175—363)



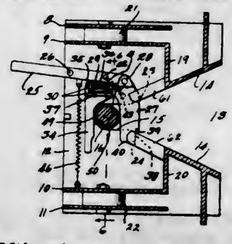
1. The combination with an alternating current transmission line of a main and an auxiliary gas-filled discharge tube, each having a grid or control element, said main tube having its space path in series in said circuit and transmitting the line current on positive half waves of voltage, means making the anode of said auxiliary tube positive with respect to its cathode, said auxiliary tube having its grid and cathode connected to derive a potential difference from said line sufficient to permit current flow through the tube only in case of an excess current condition on said line, and means controlled by space current flow through said auxiliary tube for placing a negative voltage on the grid of said main tube with respect to its cathode sufficient to prevent current flow through said main tube.

2,041,123
KEY AND KEY-JOINT
Otto Föppl, Brunswick, Germany
Application August 3, 1934, Serial No. 738,369
In Germany October 23, 1933
5 Claims. (Cl. 287—52.05)



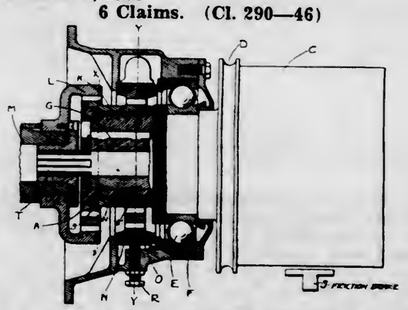
1. In combination, a shaft, a member mounted on said shaft, said shaft and said member having registering longitudinal keyways, a key in said keyways having a solid central portion and having yieldable end portions, both said solid portion and said end portions closely fitting the keyways laterally thereof, whereby the central portion forms a positive, non-resilient driving means while the end portions allow for twisting of the shaft due to torsional stress.

2,041,124
FIFTH WHEEL CONSTRUCTION FOR DETACHABLE TRAILERS
Lynn M. Francis, Detroit, Mich., assignor to Mechanical Handling Systems Incorporated, Detroit, Mich., a corporation of Michigan
Application September 24, 1931, Serial No. 564,826
6 Claims. (Cl. 280—33.1)



2. In a fifth wheel construction for connecting a trailer and a motor vehicle together including a depending king pin extending from the trailer, a bifurcated plate secured to the motor vehicle, a pair of rollers pivotally mounted in the plate, the plate provided with a pair of apertures through which the upper periphery of each of the respective rollers extends for forming an antifriction support for the end of the trailer to which the king pin is attached, and means for locking the king pin in the bifurcation in the plate.

2,041,125
ELECTRICAL APPARATUS
John Harlin Geisse, Madison, Wis.
Refiling of abandoned application Serial No. 498,640, November 28, 1930. This application October 26, 1932, Serial No. 639,726. Renewed October 4, 1935
6 Claims. (Cl. 290—46)

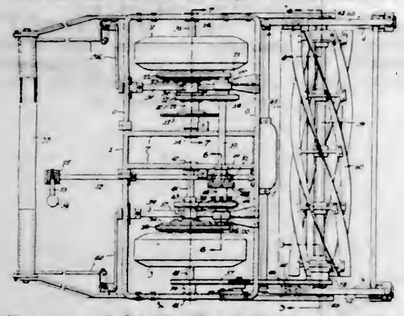


6. In a device of the class described, in combination with a member of the engine to be started, an electric motor having a field element and an armature both rotatably mounted, means for permanent connection of said engine member and said armature, means for disengageably connecting said engine member and said field element, and means for imparting to said field element a high rotative speed prior to its engagement to said engine member.

2,041,126
POWER LAWN MOWER
Edwin S. George, Bloomfield Hills, and Harold L. Blydenburgh, Highland Park, Mich., assignors to The Moto-Mower Company, Detroit, Mich., a corporation of Michigan
Application February 28, 1935, Serial No. 8,638
12 Claims. (Cl. 56—26)

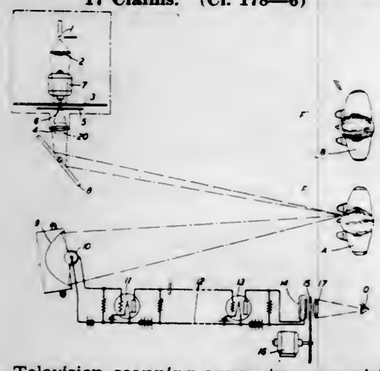
1. In a cutter reel assembly, a hollow reel shaft enlarged at its ends, a fixed axle of substantially

smaller diameter than the inside diameter of said reel shaft extending axially through said reel



shaft, and anti-friction bearings in each of said enlarged ends supporting said reel shaft for rotation on said axle.

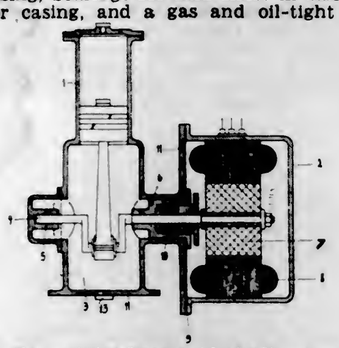
2,041,127
TELEVISION
Frank Gray, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 7, 1932, Serial No. 585,208
17 Claims. (Cl. 178—6)



1. Television scanning apparatus comprising a rotating scanning member, optical means adjustable independently of said scanning member to permit said apparatus to be effectively oriented while maintaining it in fixed position with respect to a field of view, and means, utilizing light received thereby from said optical means, for enabling the operator to determine when said optical means is properly adjusted with respect to said field.

2,041,128
REFRIGERANT COMPRESSOR
Willy Hirche, Leopoldshain, near Gorlitz, Germany
Application September 5, 1931, Serial No. 561,453
In Germany September 10, 1930
1 Claim. (Cl. 230—234)

A refrigerating compressor comprising in combination a compressor casing, a compressor shaft projecting from said compressor casing, a motor comprising a rotor and a stator, said rotor mounted directly on the projecting end of said shaft, a gas- and oil-tight motor casing surrounding said motor, carrying the stator of the motor and removably attached to said compressor casing, bearings for said shaft in said compressor casing, and a gas and oil-tight packing at the point where said shaft passes from said compressor casing into said motor casing.



2,041,129
MANUFACTURE OF CEREAL PRODUCTS
Charles Hoffman, Crestwood, N. Y., assignor to Ward Baking Company, New York, N. Y., a corporation of New York
No Drawing. Application November 12, 1932, Serial No. 642,457
4 Claims. (Cl. 99—83)

1. Method of preparing an edible, stable product rich in vitamins which comprises mixing entire wheat germ with ingredients including a leavening agent capable of forming a dough, the wheat germ being in excess of 20% of the dry ingredients of the mixture, baking the dough after allowing the same to rise, for from one-half to three-quarters of an hour at substantially room temperature, drying the baked material, and reducing the same to a finely divided condition.

4. As a new article of manufacture a stable, edible composition having more than ten times the vitamin content of whole grain comprising a mixture of a finely divided, prepared grain endosperm, and a finely divided, baked product containing more than 20% of substantially entire wheat germ and ingredients capable of forming a dough-like mass.

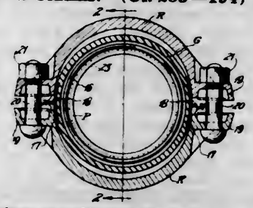
2,041,130
TOXIC ANTIFOULING MATERIAL
Loren C. Hurd, Madison, Wis., assignor to Wisconsin Alumni Research Foundation
No Drawing. Application January 8, 1931, Serial No. 507,439
1 Claim. (Cl. 134—41)

An anti-fouling marine paint toxic to marine animal organisms comprising a suitable vehicle having incorporated therein zinc tellurite.

2,041,131
PROCESS FOR THE PREPARATION OF METALLIC BERYLLIUM BY ELECTROLYSIS
Gustav Jaeger, Neu-Isenburg in Hesse, Germany
No Drawing. Application July 9, 1934, Serial No. 734,414. In Germany July 10, 1933
4 Claims. (Cl. 204—19)

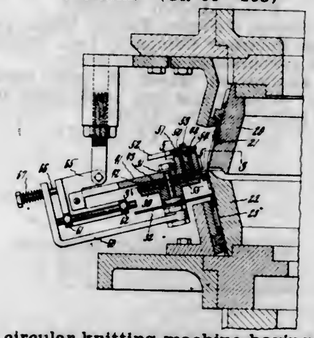
1. A process for the preparation of beryllium metal by electrolysis from a mixture of beryllium chloride and alkali metal chloride which comprises using as electrolyte a mixture containing 50 parts of sodium chloride and 50 parts of beryllium chloride and electrolyzing at a bath temperature of between 370 to 380° centigrade.

2,041,132
PIPE COUPLING
Howard F. Johnson, Cleveland, Ohio, assignor to The Champion Machine and Forging Company, Cleveland, Ohio, a corporation of Ohio
Application October 19, 1932, Serial No. 638,590
2 Claims. (Cl. 285—194)



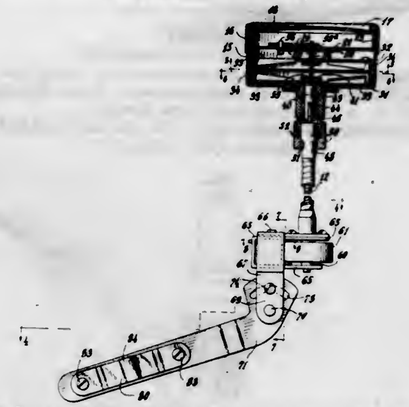
1. In a pipe coupling, a leak preventing gasket comprising a flexible ring substantially U-shape in cross-section and having flanges extending inwardly of the ring from its opposite edges and toward each other, and members externally embracing said ring and united thereto at diametrically opposite points and formed of different material from said ring, said members being provided with laterally extending ribs.

2,041,133
PRESSER MECHANISM FOR SPRING NEEDLE KNITTING MACHINES
Axel O. A. Karlberg, Franklin, N. H., assignor to Sulloway Page Company, Franklin, N. H., a corporation of New Hampshire
Application April 10, 1933, Serial No. 665,325
1 Claim. (Cl. 66—103)



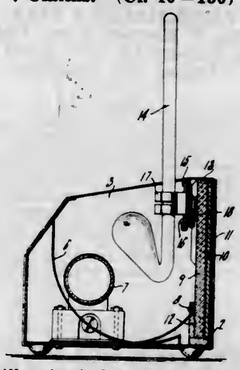
In a circular knitting machine having a circular series of spring needles, a pattern-forming mechanism comprising a rotatable disk having radial slots in the face thereof and presenting its edge to the needle circle, jacks slidable in said slots, each said jack having thereon a long, intermediate or short butt, jacks with long butts occupying selected slots in said disk according to the pattern desired in the fabric to be knitted, the remaining slots being occupied by jacks with intermediate or short butts, a cam member movable toward and from the plane of the disk between an outer position in which it is in the path of and engageable by the long butts only and an inner position in which it is in the path of and engageable by all said butts, means operable to move said cam member to its outer position, and spring means resiliently pressing said cam member towards its inner position, the jacks with the intermediate and short butts being arranged so that the jacks with intermediate butts are located only in one half of the disk and jacks with short butts are located only in the other half of the disk, as and for the purpose described.

2,041,134
SPEED MEASURING APPARATUS
Louis Kassler, New York, N. Y., assignor to Jeanette S. Kassler, New York, N. Y.
Application March 7, 1935, Serial No. 9,711
2 Claims. (Cl. 74—13)



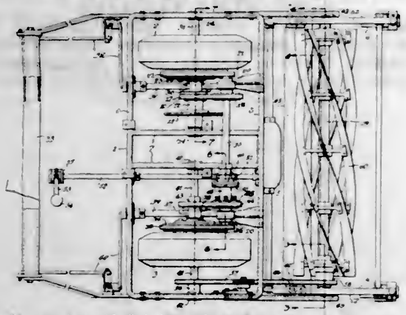
1. In a driving device for speedometers adapted to be actuated from the tire of a cycle, a bracket comprising a bar secured to the frame of the cycle, a member of flat metal pivotally secured flat against said bar, said member being formed beyond said bar with a U-shaped extension having its sides at approximate right angles of said bar, a pin connecting the sides of the U-shaped extension, a U-shaped member of flat material pivotally mounted on said pin and having its arms extending approximately in the direction of said bar, a friction roller between the arms of said U-shaped member and journaled therein, a spring supported by said pin and having one end bearing on said U-shaped member and the other end bearing on said extension, said spring urging said roller against said tire.

2,041,135
ILLUMINATED SIGN
Alfonse Kaufman, Long Beach, N. Y., assignor to Biolite, Incorporated, New York, N. Y., a corporation of New York
Application October 3, 1935, Serial No. 43,356
7 Claims. (Cl. 40—130)



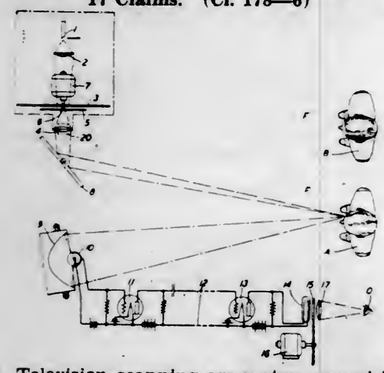
1. In an illuminated sign, a casing, a source of illumination in said casing, a panel forming the front wall of said casing, a member detachably secured to said casing and engaging the up-

smaller diameter than the inside diameter of said reel shaft extending axially through said reel



shaft, and anti-friction bearings in each of said enlarged ends supporting said reel shaft for rotation on said axle.

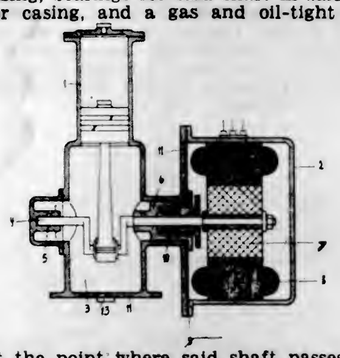
2,041,127
TELEVISION
Frank Gray, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 7, 1932, Serial No. 585,208
17 Claims. (Cl. 178—6)



1. Television scanning apparatus comprising a rotating scanning member, optical means adjustable independently of said scanning member to permit said apparatus to be effectively oriented while maintaining it in fixed position with respect to a field of view, and means, utilizing light received thereby from said optical means, for enabling the operator to determine when said optical means is properly adjusted with respect to said field.

2,041,128
REFRIGERANT COMPRESSOR
Willy Hirche, Leopoldshain, near Gorlitz, Germany
Application September 5, 1931, Serial No. 561,453
In Germany September 10, 1930
1 Claim. (Cl. 230—234)

A refrigerating compressor comprising in combination a compressor casing, a compressor shaft projecting from said compressor casing, a motor comprising a rotor and a stator, said rotor mounted directly on the projecting end of said shaft, a gas- and oil-tight motor casing surrounding said motor, carrying the stator of the motor and removably attached to said compressor casing, bearings for said shaft in said compressor casing, and a gas and oil-tight packing at the point where said shaft passes from said compressor casing into said motor casing.



2,041,129
MANUFACTURE OF CEREAL PRODUCTS
Charles Hoffman, Crestwood, N. Y., assignor to Ward Baking Company, New York, N. Y., a corporation of New York
No Drawing. Application November 12, 1932, Serial No. 642,457
4 Claims. (Cl. 99—83)

1. Method of preparing an edible, stable product rich in vitamins which comprises mixing entire wheat germ with ingredients including a leavening agent capable of forming a dough, the wheat germ being in excess of 20% of the dry ingredients of the mixture, baking the dough after allowing the same to rise, for from one-half to three-quarters of an hour at substantially room temperature, drying the baked material, and reducing the same to a finely divided condition.

4. As a new article of manufacture a stable, edible composition having more than ten times the vitamin content of whole grain comprising a mixture of a finely divided, prepared grain endosperm, and a finely divided, baked product containing more than 20% of substantially entire wheat germ and ingredients capable of forming a dough-like mass.

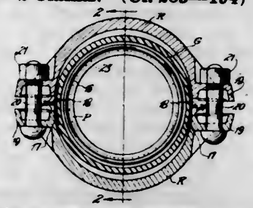
2,041,130
TOXIC ANTIFOULING MATERIAL
Loren C. Hurd, Madison, Wis., assignor to Wisconsin Alumni Research Foundation
No Drawing. Application January 8, 1931, Serial No. 507,439
1 Claim. (Cl. 134—41)

An anti-fouling marine paint toxic to marine animal organisms comprising a suitable vehicle having incorporated therein zinc tellurite.

2,041,131
PROCESS FOR THE PREPARATION OF METALLIC BERYLLIUM BY ELECTROLYSIS
Gustav Jaeger, Neu-Isenburg in Hesse, Germany
No Drawing. Application July 9, 1934, Serial No. 734,414. In Germany July 10, 1933
4 Claims. (Cl. 204—19)

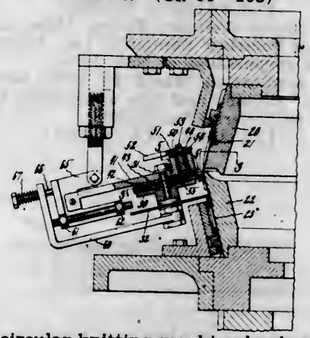
1. A process for the preparation of beryllium metal by electrolysis from a mixture of beryllium chloride and alkali metal chloride which comprises using as electrolyte a mixture containing 50 parts of sodium chloride and 50 parts of beryllium chloride and electrolyzing at a bath temperature of between 370 to 380° centigrade.

2,041,132
PIPE COUPLING
Howard F. Johnson, Cleveland, Ohio, assignor to The Champion Machine and Forging Company, Cleveland, Ohio, a corporation of Ohio
Application October 19, 1932, Serial No. 638,590
2 Claims. (Cl. 285—194)



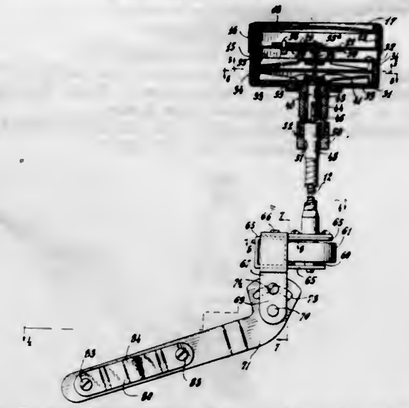
1. In a pipe coupling, a leak preventing gasket comprising a flexible ring substantially U-shape in cross-section and having flanges extending inwardly of the ring from its opposite edges and toward each other, and members externally embracing said ring and united thereto at diametrically opposite points and formed of different material from said ring, said members being provided with laterally extending ribs.

2,041,133
PRESSER MECHANISM FOR SPRING NEEDLE KNITTING MACHINES
Axel O. A. Karlberg, Franklin, N. H., assignor to Sulloway Page Company, Franklin, N. H., a corporation of New Hampshire
Application April 10, 1933, Serial No. 665,325
1 Claim. (Cl. 66—103)



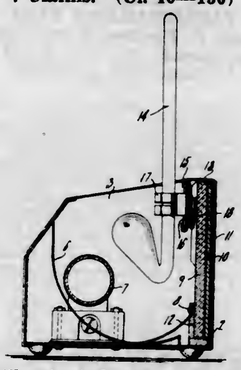
In a circular knitting machine having a circular series of spring needles, a pattern-forming mechanism comprising a rotatable disk having radial slots in the face thereof and presenting its edge to the needle circle, jacks slidable in said slots, each said jack having thereon a long, intermediate or short butt, jacks with long butts occupying selected slots in said disk according to the pattern desired in the fabric to be knitted, the remaining slots being occupied by jacks with intermediate or short butts, a cam member movable toward and from the plane of the disk between an outer position in which it is in the path of and engageable by the long butts only and an inner position in which it is in the path of and engageable by all said butts, means operable to move said cam member to its outer position, and spring means resiliently pressing said cam member towards its inner position, the jacks with the intermediate and short butts being arranged so that the jacks with intermediate butts are located only in one half of the disk and jacks with short butts are located only in the other half of the disk, as and for the purpose described.

2,041,134
SPEED MEASURING APPARATUS
Louis Kassler, New York, N. Y., assignor to Jeanette S. Kassler, New York, N. Y.
Application March 7, 1935, Serial No. 9,711
2 Claims. (Cl. 74—13)



1. In a driving device for speedometers adapted to be actuated from the tire of a cycle, a bracket comprising a bar secured to the frame of the cycle, a member of flat metal pivotally secured flat against said bar, said member being formed beyond said bar with a U-shaped extension having its sides at approximate right angles of said bar, a pin connecting the sides of the U-shaped extension, a U-shaped member of flat material pivotally mounted on said pin and having its arms extending approximately in the direction of said bar, a friction roller between the arms of said U-shaped member and journaled therein, a spring supported by said pin and having one end bearing on said U-shaped member and the other end bearing on said extension, said spring urging said roller against said tire.

2,041,135
ILLUMINATED SIGN
Alfonse Kaufman, Long Beach, N. Y., assignor to Biolite, Incorporated, New York, N. Y., a corporation of New York
Application October 3, 1935, Serial No. 43,356
7 Claims. (Cl. 40—130)



1. In an illuminated sign, a casing, a source of illumination in said casing, a panel forming the front wall of said casing, a member detachably secured to said casing and engaging the up-

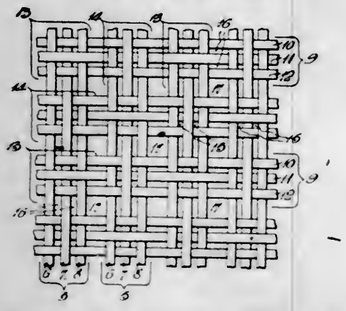
per margin of said panel, a plurality of clips carrying display characters, and means on said member for slidably supporting said clips adjacent the inner surface of said panel whereby said characters may receive illumination from said source.

2,041,136
SPARK PLUG GASKET
Adolph F. Klingner, Hellertown, Pa., assignor to Edison-Splitdorf Corporation, West Orange, N. J., a corporation of New Jersey
Application December 20, 1932, Serial No. 648,027
2 Claims. (Cl. 123—169)



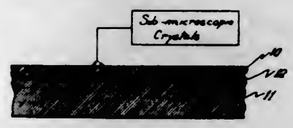
1. In a spark plug having a shell with a ground electrode and carrying directly an insulator for a central electrode and having an integral annular engine seat with an exterior machine screw threaded end adjacent said seat, said shell further having a gasket engaging formation positioned on the exterior periphery of the shell above said seat, the combination with a gasket having an annular flat flange of considerable area to fit on said shell seat thereby forming a seat of substantial area for the shell of the plug against the cylinder wall of the engine, said gasket being composed of good heat-conducting metal which will function to dissipate heat coming from said shell, said gasket flange having an annular rim extending from the outer periphery thereof upwardly around the outer part of the shell adjacent said seat thereon, said rim being forced into engagement with said exterior shell formation to permanently fix the gasket to the shell in concentric position with respect to the said threaded end of the plug shell and the adjacent seat.

2,041,137
PAPERMAKER'S FELT
John P. Koester, Piqua, Ohio
Application January 10, 1936, Serial No. 58,592
1 Claim. (Cl. 139—383)



Papermaker's felt comprising groups of fibrous warp strands, there being three of these warp strands in each group uniformly spaced apart relatively short distances, said groups being uniformly spaced apart relatively great distances; and groups of fibrous filling strands, there being three of these filling strands in each group spaced to correspond with the spacing of the warp strands of any group, the groups of filling strands being spaced to correspond with the spacing of the groups of warp strands; said warp strands and filling strands being interwoven to provide the felt with reticular woven uniformly distributed stock-supporting portions and with large uniformly distributed water drainage openings between said stock-supporting portions; the weave being such that the alternate stock-supporting portions each comprise the two outside warp strands of one warp strand group both passing over the two outside filling strands of one filling strand group, the central warp strand of said one warp strand group passing under all three of the filling strands of said one filling strand group, and the central filling strand of said one filling strand group passing over all three of the warp strands of said one warp strand group; the weave of the stock-supporting portions intervening between said alternate portions being the reverse of the weave of said alternate portions; the peripheral fibers of the strands being so interlaced as to screen the water drainage openings against passage of stock therethrough without materially obstructing the drainage of water through said openings.

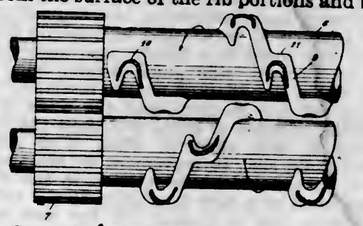
2,041,138
PROCESS OF FORMING IMPROVED LIGHT POLARIZING BODIES
Edwin H. Land, Wellesley Farms, Mass., assignor to Sheet Polarizer Company, Inc., Union City, N. J., a corporation of New Jersey
Original application March 10, 1930, Serial No. 434,833. Divided and this application December 24, 1935, Serial No. 55,941
11 Claims. (Cl. 18—57)



11. The process of producing polarizing bodies which comprises providing a suspending medium, introducing into said medium a mass of needle-like polarizing particles, orienting the polarizing axes of said particles to substantial parallelism by flowing said medium, and setting said medium to retain said particles in oriented position.

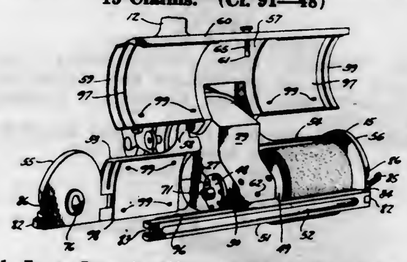
2,041,139
CORN PICKER SNAPPING ROLL
Carl Marxman, Rochelle, Ill.
Application January 18, 1933, Serial No. 652,351
8 Claims. (Cl. 130—5)

7. A snapping roll adapted for coaction with a companion roll, comprising a substantially cylindrical body, an integral spiral stepped rib projecting from said body and extending substantially the full length thereof, said rib having high nub portions with marginal edges coincident with the steps thereof and integral traction beads provided on and projecting from said rib on the front of the nub portions and within the radius of the periphery of the latter, said beads projecting from the surface of the rib portions and being



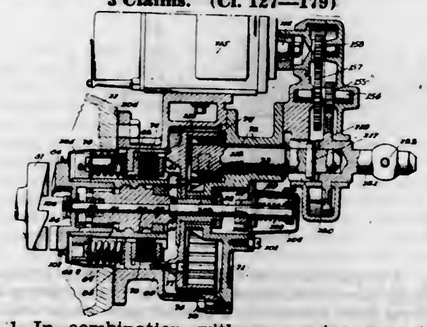
of small section relative to the sections of the ribs.

2,041,140
FLOOR TREATING MECHANISM
Albert E. Moorhead, Oakland, Calif., assignor to Moorhead Development Co., Inc., Oakland, Calif., a corporation of Nevada
Application August 16, 1932, Serial No. 629,039
15 Claims. (Cl. 91—48)



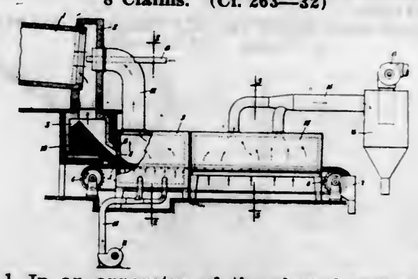
1. In a floor treating device, a frame having side members, a front member, and a back member, a cover detachably supported on the frame, one of the side members being pivotally mounted on the back member, a roll structure, and means for rotatably supporting said structure in the side members, the said means in the pivotally mounted side member being in the form of a stub shaft mounted for free rotation and disengageable from the roll structure when said pivotally mounted member is opened on its pivot.

2,041,141
ENGINE STARTING APPARATUS
Romeo M. Nardone, East Orange, N. J.
Original application February 19, 1929, Serial No. 341,164. Divided and this application November 2, 1934, Serial No. 751,227
3 Claims. (Cl. 127—179)



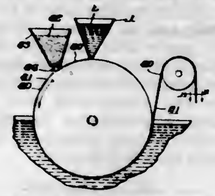
1. In combination with an engine engaging member and an actuating shaft rotatable about parallel axes, driving connections between said actuating shaft and engaging member including a second shaft having a splined connection with said engaging member and movable axially therewith, a rod rotatable with said second shaft, a toothed collar on said rod, and means engageable with said collar to prevent rotation of said rod and second shaft during axial movement of the engine engaging member.

2,041,142
PRODUCTION OF CEMENT
Johan Norvig, Hartsdale, N. Y., assignor to International Cement Corporation, New York, N. Y., a corporation of Maine
Application May 2, 1930, Serial No. 449,117
8 Claims. (Cl. 263—32)



1. In an apparatus of the class described, a kiln, a hood surrounding the outlet end of said kiln, a perforated longitudinally progressing conveyor in communication with said hood, an enclosure surrounding the receiving end portion of said conveyor, means for forcing air upwardly through the portion of said conveyor within the enclosure, and means for conducting air from said enclosure to the kiln at a position adjacent the fuel feed.

2,041,143
HYDRATED ARTICLE AND METHOD OF MAKING
John Einar Olson, Madison, Wis., assignor to The Celon Company, Madison, Wis., a corporation of Wisconsin
Application February 13, 1933, Serial No. 656,515
12 Claims. (Cl. 18—58)



1. The method of making a regenerated cellulose hydrated article, such as a band, cap or the like, which consists in applying a coating to a part of a surface of viscose material, from which the article is made, prior to regeneration of the viscose, said coating including an inert pigment to render the coated parts of the article opaque and leaving part of the article clear, whereby the shrinkage properties of the regenerated viscose are left substantially normal.

2,041,144
TALKING PICTURE RECORD
Joseph A. O'Neill, New York, N. Y.
Application March 30, 1928, Serial No. 265,916
1 Claim. (Cl. 274—41.6)

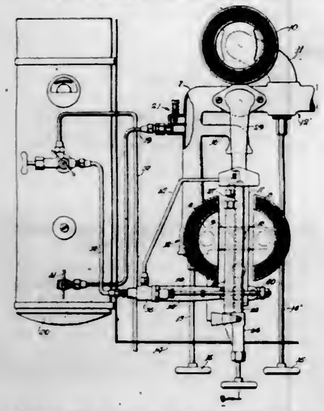
As a new article of manufacture, an opaque film having a sound track thereon and extend-

ing from side edge to side edge thereof and composed of variable sound record lines in parallel-



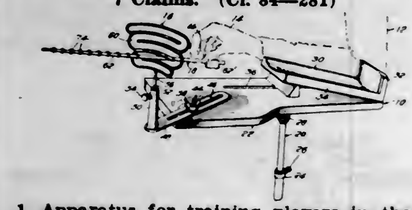
ism and inclined to the longitudinal extent of the film.

2,041,145
GASOLINE STOVE
George E. Pickup, Newark, Ohio, assignor to The Wehrle Company, Newark, Ohio, a corporation of Ohio
Application March 24, 1933, Serial No. 662,407
10 Claims. (Cl. 158—81)



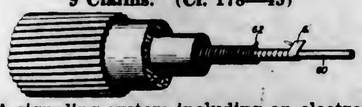
1. In a gasoline stove, the combination with a burner manifold, a main burner communicating with the manifold and having two laterally spaced sections, a generator disposed between said main burner sections and having a tube with a discharge orifice at one end opening into said manifold, a needle valve controlling said orifice and having an operating rod extending through said tube, a fitting at the end of the tube opposite said orifice and having a passage therethrough for said rod of a diameter greater than said rod, said generator further comprising a vaporizing tube having one end connected with said fitting in communication with said passage and the other end connected with a source of liquid fuel, and a generator burner connected with the manifold and disposed beneath said tubes in heating relation thereto.

2,041,146
APPARATUS FOR INSTRUCTION FOR STRINGED INSTRUMENT PLAYING
Leo Portnoff, Brooklyn, N. Y.
Application June 10, 1931, Serial No. 543,368
7 Claims. (Cl. 84—281)



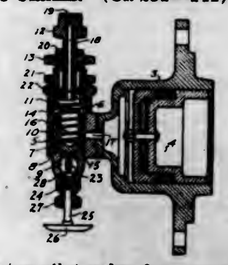
1. Apparatus for training players in the art of playing bow-operated stringed musical instruments, said apparatus being independent of the instrument, and comprising an elongated element adapted to be grasped at one end thereof by the bow-hand of a player, and guide means for said element, said guide means being provided with a slot adapted for the insertion therethrough of said element, and the walls of said slot being adapted to guide and limit the lateral motions of said element, when it is inserted through said slot, to movement within the slot, and to such positions in relation to the slot as are assumed by a bow in relation to the stringed instrument, and a support for the arm of the player permitting free motion of the forearm so positioned in relation to said guide means that when the player grasps the element, which has been inserted through the slot of the guide means, with his bow-hand while his arm is resting on the support, the motions of his hand and wrist will be limited to motions such as are used in playing the instrument.

2,041,147
SIGNALING SYSTEM
Franz Preisach, Berlin-Charlottenburg, Germany, assignor to Siemens and Halske Aktiengesellschaft, Berlin, Germany, a company of Germany
Application September 13, 1932, Serial No. 632,959
In Germany September 25, 1931
9 Claims. (Cl. 178—45)



1. A signaling system including an electromagnetic device which comprises a magnetic material, and means including a source of direct current and a source of alternating current for subjecting said material to a unidirectional magnetizing force sufficient to saturate said material and to an alternating magnetizing force which has a direction perpendicular to the unidirectional magnetizing force.

2,041,148
REGULATOR PILOT VALVE
Snowden B. Redfield, Bethlehem, Pa., assignor to Fuller Company, Catasauqua, Pa., a corporation of Delaware
Application April 12, 1935, Serial No. 15,976
8 Claims. (Cl. 251—141)



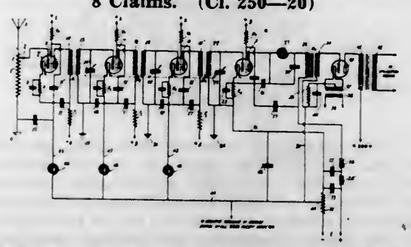
1. A regulator pilot valve for compressors comprising the combination of a valve chest having a central bore, oppositely disposed valve seats within the chest, one of the seats having a larger orifice than the other, an interior valve movable between the seats, a spring normally holding the valve against the smaller seat, the chest being provided with a gas supply inlet beyond the smaller seat, a discharge port between the seats and a vent beyond the larger seat, and manually operable means to force the interior valve from the smaller seat including a bonnet closing the bore of the chest beyond said seat, a spindle extending through the bonnet and provided with screw threads to permit its longitudinal movement therein, one end of the spindle extending into said supply inlet, so that inward movement of the spindle will cause it to act against the valve and force it from said seat.

2,041,149
SLIDE FASTENER
William J. Reuter, Meadville, Pa., assignor to Hookless Fastener Company, a corporation of Pennsylvania
Application September 15, 1933, Serial No. 689,615
3 Claims. (Cl. 24—205)



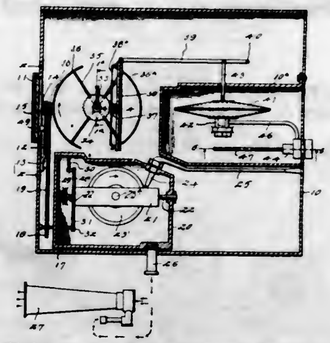
1. In a slide fastener, the combination of rows of fastener elements having their entire outer visible surfaces concavely curved, a slider mounted to slide on said fastener elements and having a straight inner surface covering said concave surfaces, and having contact with each of the fastener elements along the edge thereof whereby the concave surfaces are supported out of contact with the slider, and a finishing coating on said curved surfaces.

2,041,150
AUTOMATIC GAIN CONTROL
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 15, 1930, Serial No. 488,811
8 Claims. (Cl. 250—20)



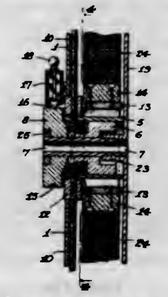
1. In a radio receiving system including a signal amplifier provided with at least one amplifier tube, a detector tube coupled to the amplifier output circuit through a resonant network tuned to a desired signal frequency, a signal tuned network being coupled to the input electrodes of the amplifier tube, means electrically associated with the space current path of the amplifier tube for producing a negative bias on the grid thereof, a separate means, electrically associated with the detector space current path and being connected to the grid and cathode of the amplifier, for producing a positive bias on the amplifier grid, the bias developed by the separate means being dependent on, and varying in the same sense as, the detector signal input, the bias developed by the first means being dependent on, but varying in numerical magnitude more slowly than, the said positive bias whereby the net bias of the amplifier grid increases algebraically with increasing detector signal inputs and is positive for large detector inputs.

2,041,151
FLIGHT METER
Elmer J. Rogers, Randolph Field, Tex.
Application December 15, 1931, Serial No. 581,213
9 Claims. (Cl. 33—204)



9. A flight meter for airplanes having a sight opening defining a field of view, an airplane figure mounted within the sight opening for tilting movement, means for causing a tilting of the airplane figure in one direction or the other as the airplane turns toward the right or toward the left, said means causing the airplane to tilt to a degree in accordance with the degree of said turning movement, a dial movable up and down with relation to the longitudinal axis of the plane and located behind the figure, the dial having thereon a horizon line with indications of sky and ground disposed above and below the horizon line, and means operated by changes in atmospheric pressure causing the dial to move upward as the actual airplane moves downward and move downward as the actual airplane moves upward, the extent of said movement corresponding to the rate of vertical movement of the actual airplane in either direction.

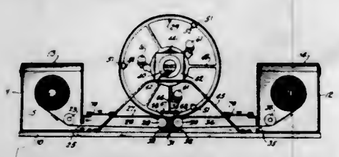
2,041,152
DEVICE FOR ACCOMMODATING WOUND FILM BANDS
Werner Scupin, Namslau, Germany
Application May 10, 1934, Serial No. 724,969
In Germany January 21, 1933
2 Claims. (Cl. 242—72)



1. A device for accommodating wound film bands to be inserted in the space in the rolled film, comprising in combination a hollow axle, a plurality of screw threaded spindles extending radially from said axle, pinions one on the inner end of each of said spindle, blocks mounted one on each of said spindles, secured against rotation but shiftable in the longitudinal direction of said spindles, a toothed adjusting disc engaging all of

said pinions and rotatable on said hollow axle to rotate said spindles through the intermediary of said pinions to radially displace said blocks relatively to said axle, and rubber pads one on the outer side of each of said blocks adapted to bear against the innermost layer of the wound spool.

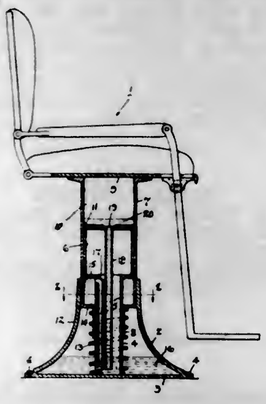
2,041,153
PHOTOGRAPHIC-PRINTING MACHINE
Dmitry A. Shiraeff and Ferdinand Jacobs, New York, N. Y.
Application March 20, 1934, Serial No. 716,458
4 Claims. (Cl. 95—75)



3. A photographic printing machine adapted for producing a continuous and uninterrupted photographic impression on a travelling strip of sensitized material, comprising a hollow cylinder made of material which is non-obstructive to the passage of actinic rays, a pair of hollow shafts fixedly mounted in a frame, means for rotatably supporting said cylinder on said shafts, a light-pervious material configured into cylindrical form positioned on the outer surface of said cylinder and provided with a continuous pattern, a pair of guide rollers positioned closely adjacent to the outer periphery of said light-pervious pattern for feeding said strip of sensitized material to and removing it from said pattern, said guide rollers being mounted closely adjacent to each other in parallel relation whereby the strip of sensitized material is maintained in contact with said light-pervious pattern for substantially its entire circumference, a plurality of mercury vapor lamps extending longitudinally of said rotatable cylinder and spaced from the axial center thereof, means for supporting said lamps on the inner ends of said shafts, a cooling unit arranged axially of said cylinder between said shafts and composed of material that is non-obstructive to the rays of light emanating from said source so that the intensity of illumination at any portion of the interior surface of the pattern is relatively unaffected, a stationary shield having an arcuately shaped outer surface located within said cylinder, the said outer surface thereof being so positioned with relation to the inner peripheral surface of said cylinder and the pair of guide rollers that substantially no light from said source reaches those portions of the strip of sensitized material which are being drawn into and out of contact with the light-pervious pattern by said guide rollers and means for drawing the strip of sensitized material over said rotatable cylinder.

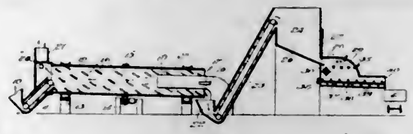
2,041,154
SHOCK ABSORBING DEVICE
Thomas W. Slutz, Cleveland, Ohio
Application November 28, 1932, Serial No. 644,606
8 Claims. (Cl. 267—34)

1. In a shock absorbing device, the combination of relatively movable elements defining two spaces which vary inversely in size responsive to relative movement of said elements, a compressible fluid trapped in one of said spaces, a reservoir containing a liquid, a continuously open conduit for said liquid from said reservoir to the other of said



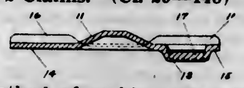
spaces, and another conduit including a check valve leading from said first named space to said reservoir.

2,041,155
METHOD AND APPARATUS FOR CONDITIONING MINERAL AGGREGATE
Hiram M. Stafford, Chicago, Ill., assignor, by mesne assignments, to Sealdrok Company of New England, a corporation of Massachusetts
Continuation of application Serial No. 597,164, March 7, 1932. This application May 9, 1935, Serial No. 20,683
8 Claims. (Cl. 94—43)



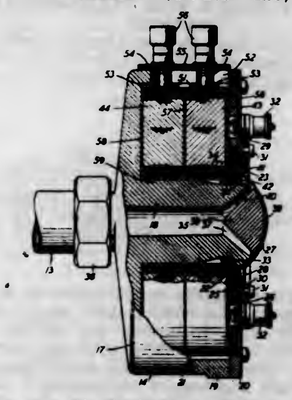
1. The method of treating individual pieces of mineral aggregate to expel the air and moisture therefrom and to provide hydrocarbon hermetic seals therefor whereby to condition the individual pieces for shipment for future use in the fabrication of paving materials, the method comprising the steps of first highly heating the aggregate pieces at a temperature sufficient to evaporate the contained moisture and to expel at least a portion of the air within the interstices of the pieces, then reducing the temperature of the pieces to an extent sufficiently low to prevent substantial vaporization of the volatile constituents of the hydrocarbon solution to be subsequently applied, suddenly chilling the dried and expanded aggregate pieces at their thus reduced temperature by applying a solution of bitumen in a volatile vehicle, the solution having a temperature substantially less than that of the reduced temperature of the aggregate pieces whereby the ensuing contraction of each aggregate piece draws into the body thereof the solution to waterproof the same and to form a thin adherent protective coating of bitumen for each piece to seal the same against the ingress of moisture and to permit the shipment and storing thereof without adherence of the aggregate pieces in mass formation.

2,041,156
METHOD OF MAKING SEPARABLE FASTENER SLIDERS
Gideon Sundback, Meadville, Pa., assignor to Hookless Fastener Company, Meadville, Pa., a corporation of Pennsylvania
Application January 16, 1928, Serial No. 247,043
2 Claims. (Cl. 29—148)



1. The method of making separable fastener sliders which comprises embossing a diamond-shaped projection in a piece of sheet metal, cutting out from said piece of sheet metal a blank comprising flat slider wings joined end to end by the relatively narrow embossed projection, said projection extending into the body portion of said wings from said relatively narrow portion, forming flanges on the sides of said wings, and bending said wings into parallelism with said projection on the inner side of the bend and said flanges projecting toward each other to form a slider with a Y-shaped channel.

2,041,157
ACOUSTIC DEVICE
Albert L. Thuras, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 13, 1932, Serial No. 622,191
4 Claims. (Cl. 179—120)

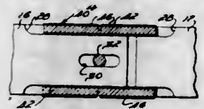


2. An acoustic device comprising a diaphragm, a hollow coil attached to said diaphragm, means defining a magnetic air-gap for said coil and containing a sound wave passage connecting with a sound chamber adjacent the diaphragm, and a plug member in said chamber spaced from the defining surface thereof and from the diaphragm to form a substantially annular sound path that converges from a portion of the diaphragm within said coil to said sound passage.

2,041,158
CUTICLE REMOVER AND PROCESS OF REMOVING CUTICLE
Dagfinn G. Thuesen, Bloomfield, N. J., assignor to The Egyptian Lacquer Manufacturing Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application November 21, 1935, Serial No. 50,995
7 Claims. (Cl. 167—85)

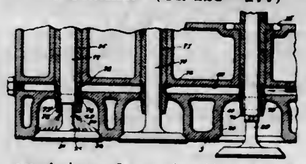
1. As a new cuticle remover, an amide of the low-molecular aliphatic acids.

2,041,159
LEAF SPRING STRUCTURE
William H. Wallace, Detroit, Mich., assignor to Eaton Manufacturing Company, a corporation of Ohio
Application June 27, 1935, Serial No. 28,663
16 Claims. (Cl. 267—47)



1. In a leaf spring having a reinforcing spring leaf; a composite main leaf unit comprising a long leaf section having an eye at each of its longitudinal extremities, a pair of spaced end leaf sections having outer extremities fixed in reinforcing relation to and against longitudinal movement with respect to said eyes and having inner end portions slidably disposed between said long leaf section and said reinforcing spring leaf, and means for accommodating limited longitudinal movement of an inner end portion of one end leaf section and positively limiting longitudinal displacement of said end leaf section from between said long leaf section and said reinforcing leaf.

2,041,160
INTERNAL COMBUSTION ENGINE VALVE
Victor F. Zahodiakin, Cincinnati, Ohio
Application December 31, 1931, Serial No. 584,068
3 Claims. (Cl. 123—177)

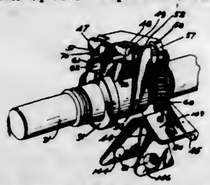


1. In an internal combustion engine, a body including a cylinder block and a cylinder head thereon, pistons in the cylinders of said block, an exhaust valve for each cylinder, said body including a guide element for each exhaust valve including a vertically disposed valve guide bore, said body including an air supply passageway disposed longitudinally thereof, the axis of said passageway intersecting the axes of said guide elements, said body including an exhaust passageway for each cylinder having an exhaust valve seat formed therein, each exhaust valve guide bore including an enlargement adjacent its lower end, means connecting said enlargement with the longitudinally disposed passageway, each exhaust valve including a counterturned reduced diameter portion at the lower end of its stem adapted to register with said enlargement in the valve guide bore when the valve is closed for permitting air flow to the back of the valve head, and said counterturned position arranged so as to be disposed beyond the enlargement when the valve is open, whereby that portion of the valve stem which is not counterturned closes the chamber formed by the enlargement.

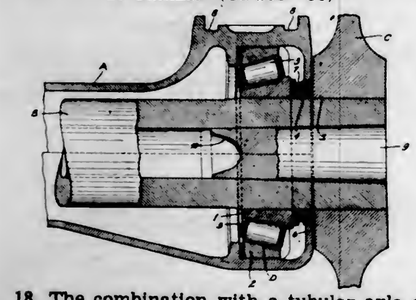
2,041,161
CONTROL DEVICE
Bernard A. Brown, Carl H. Kindl, and Robert C. Kestle, Dayton, Ohio, assignors to Delco Products Division of General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application June 4, 1934, Serial No. 728,840
10 Claims. (Cl. 172—279)

1. A speed-responsive control device comprising in combination, a rotatable member; speed-

responsive means carried by said member only on one side of its axis and having an axis of movement substantially perpendicular to the axis of the rotatable member; means adapted to be actuated by said speed-responsive means; air-circulating means secured to the rotatable member on the side of its axis opposite the speed-responsive means, said air-circulating means also counterbalancing said speed-responsive means.

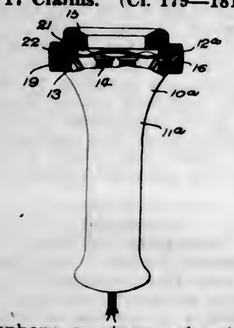


2,041,162
ROLLER BEARING AXLE
Tracy V. Buckwalter, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application October 12, 1934, Serial No. 748,014
18 Claims. (Cl. 295—36)



18. The combination with a tubular axle of a plug press-fitted in the end of said axle, said plug having a relatively deep outwardly flared concavity in its inner end whereby the stresses in said axle occasioned by the press-fit of the plug therein drop off gradually from a maximum at a point opposite the inner end of said recess to a minimum at a point opposite the outer end of said recess.

2,041,163
ACOUSTIC DEVICE
David F. Burke, Manchester, Mass.
Application March 9, 1934, Serial No. 714,869
17 Claims. (Cl. 179—181)



5. A telephone receiver embracing a casing supplied with a seat and a pair of metallic strips supported on said seat and arranged to rest astride said seat, and disposed on the extremities of one diameter of said seat, and arranged diametrically opposite each other, a magnetic diaphragm impulsing combination within said casing, a magnetic plate diaphragm and along one diameter of said diaphragm a pair of dishings outward from the plane of said seat and said combination, and arranged oppositely on the same diameter in peripheral portions thereof, and along the same diameter a pair of dishings inward from the plane of said seat, and arranged oppositely on the same diameter and disposed between the center portion and said peripheral portions and said dished diaphragm placed over said diaphragm impulsing combination, and said strips arranged on said seat between said seat and said dished peripheral portions of said diaphragm, and said dished peripheral portions arranged to bear against said strips, and an outer abutment and rigid means disposed between the outer side of the marginal portion of the diaphragm and said outer abutment and adapted to apply a resisting pressure against said dished peripheral portions of said diaphragm, the dished peripheral portions remaining secured against peripheral stretching, or gripping, or elongation, or relative flattening, the opposite parts of said dished peripheral portions of said diaphragm being clamped, and said diaphragm being substantially free to move over its major peripheral portion.

2,041,164
MASTER CYLINDER FOR FLUID-OPERATED SYSTEMS
Eugene G. Carroll, Los Angeles, Calif.
Application February 20, 1933, Serial No. 657,485
26 Claims. (Cl. 60—54.6)

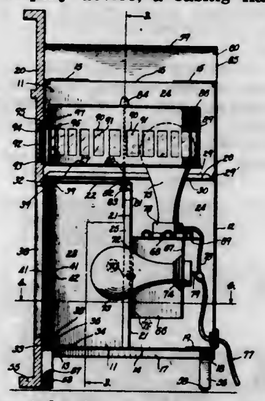
1. In a master cylinder construction for a fluid-operated system, the combination of a cylinder having a bore, a piston having two sections movable relatively longitudinally of each other and mounted for movement in said bore, means for advancing both sections of the piston to develop quickly the operating pressure in the system, means for arresting the advance of one of the piston sections, and means for admitting a portion of the operating fluid back of the arrested section to maintain it in its advanced position and enable it to sustain the operating pressure developed by the continued forward movement of the other piston section.

2,041,165
DISPLAY DEVICE
Charles E. Chase and Joseph Knoche, Kansas City, Mo., assignors, by mesne assignments, to said Joseph Knoche
Application June 17, 1931, Serial No. 545,068
Renewed October 16, 1935
7 Claims. (Cl. 40—40)

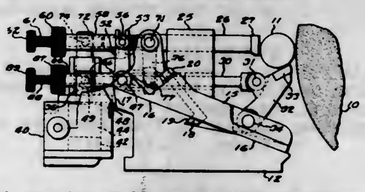
4. In a display device, a casing having a front provided with a pair of openings, said casing having a pair of compartments aligned each with one of said openings, light transmitting closures for said openings, illuminating means in each of

said compartments, a rotor in one of said compartments, said rotor having a light absorbing body portion, said rotor compartment having light absorbing walls and means for shutting out the passage of light between said compartments comprising spaced baffle members providing a circuitous passage having light absorbing walls.

6. In a display device, a casing having a detachable front having an opening therein, display means in said casing rearwardly of said opening, means within said casing illuminating said display means by transmitted light and a light transmitting screen closing said opening comprising a pane of colored glass and a sheet of onion skin paper secured together in face to face relation, said paper being innermost, and means for detachably mounting said screen on the rear face of said front.

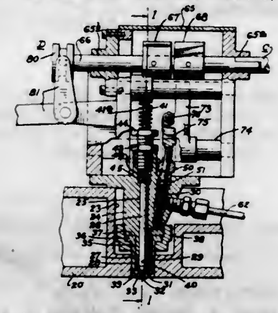


2,041,166
HYDRAULICALLY OPERATED STEADYREST
Raymond A. Cole, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application November 18, 1935, Serial No. 50,276
7 Claims. (Cl. 51—238)



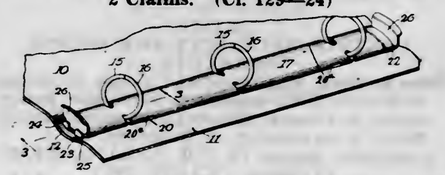
1. A steadyrest for a grinding machine comprising a base, means to support said base on a grinding machine, a horizontally movable shoe arranged to engage the work opposite the grinding wheel, a pivotally mounted shoe arranged to engage the work at a point below the work axis and adjacent to the line of contact between the wheel and work, means including a vertically arranged fluid pressure piston and cylinder, a bell crank lever interposed between the piston and shoe whereby vertical movement of said piston moves said shoe horizontally into or out of operative relation with the work, a second vertically arranged piston and cylinder, and a second bell crank interposed between said piston and the pivotally mounted shoe whereby vertical movement of said piston is transmitted to swing the lower steadyrest shoe into or out of operative relation with the work piece.

2,041,167
FUEL INJECTOR APPARATUS
Richard L. Collins, San Francisco, Calif.
Application September 11, 1934, Serial No. 743,622
10 Claims. (Cl. 299—107.2)



1. An injection device of the character described including a housing having a tubular opening provided with a discharge orifice, a tubular spray valve reciprocably mounted in the tubular opening and having orifices through the wall thereof in communication with the tubular opening of the housing, a plunger reciprocably mounted internally of the spray valve, means for reciprocating said plunger with a constant stroke, a relief valve in communication with the tubular opening in the housing, and means to close said relief valve during a pressure stroke of the plunger, said relief valve including resilient tension means adapted for permitting the relief valve to open responsive to pressure of the plunger stroke.

2,041,168
LOOSE LEAF BINDER
James C. Dawson, Webster Groves, Mo., assignor to Elma N. Dawson, Webster Groves, Mo.
Application March 16, 1935, Serial No. 11,462
2 Claims. (Cl. 129—24)

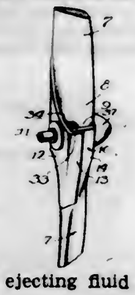


2. In a loose leaf binder metal assembly of the toggle type and having toggle elements and openable arches, a pair of arched spring metal back plates adapted for attachment to a binder back, each plate extending from an end of the assembly approximately to the arch nearest thereto and being of less width than the combined toggle elements and having a pair of lateral flanges at each end for engaging such elements, and a plate covering and overlapping the toggle elements and being notched at its margins to embrace the several flanges at the inner ends of the back plates.

2,041,169
PROPELLER
Pierino Di Cesare, Chicago, Ill.
Application April 27, 1933, Serial No. 668,181
16 Claims. (Cl. 170—172)

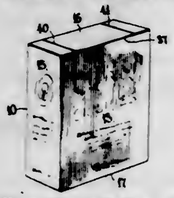
1. A propeller provided with propelling blades and a central portion having a hub for connecting the propeller to the drive shaft, and telescoping sections at said central part adapted to be adjusted relative to each other and so con-

structed and arranged as to provide an adjustable outlet from the effective sides of said blades



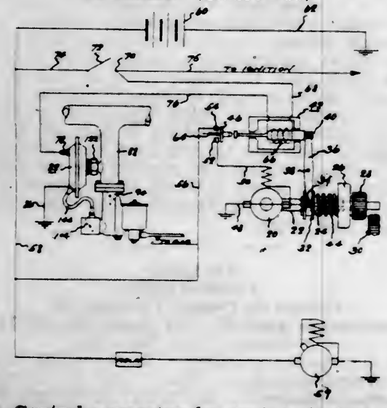
for directing and ejecting fluid collected therefrom.

2,041,170
CONTAINER CONSTRUCTION
Russell A. Dorsey, Buffalo, N. Y.
Application December 12, 1934, Serial No. 757,210
5 Claims. (Cl. 229—37)



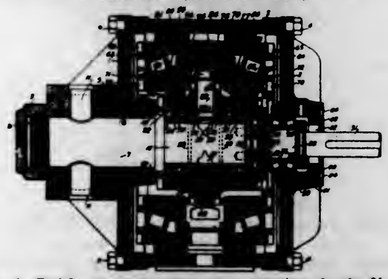
1. In a cardboard container having end and side walls, certain of the walls being in the form of overlapping flaps secured together to complete an inclosed merchandise chamber, one of the flaps having a cut-out portion disposed between other flaps to form a recess for confining a coin therein, one of said other flaps having an opening communicating with the recess for receiving the coin to be confined in the latter.

2,041,171
CONTROL APPARATUS FOR ENGINE STARTERS
John B. Dyer, Pendleton, and James L. Arthur, Anderson, Ind., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 12, 1933, Serial No. 684,807
14 Claims. (Cl. 290—38)



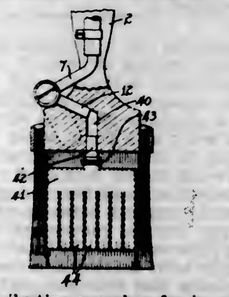
4. Control apparatus for engine starters comprising, a current source, a starting motor adapted to be operated by current from said source, a switch for controlling a circuit between the current source and starting motor, an electro-magnet for operating said switch, a single suction operated means for deenergizing the magnet to cause said switch to open, said suction operated means being subject to different degrees of engine suction simultaneously.

2,041,172
PUMP OR MOTOR
Walter Ernst, Mount Gilead, Ohio, assignor, by mesne assignments, to The Hydraulic Press Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application May 23, 1934, Serial No. 727,081
3 Claims. (Cl. 103—161)



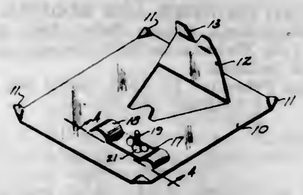
1. A fluid pressure pump or motor including a cylinder body, a fluid distributing valve, said cylinder body and said fluid distributing valve being mounted for rotation relatively to one another, cylinders in said cylinder body arranged to communicate with said fluid distributing valve, pistons arranged to reciprocate in said cylinders, means for reciprocating said pistons, and preloaded ball bearings mounted between said cylinder body and said distributing valve, the diametral clearances of said preloaded ball bearings being reduced to substantially zero, the clearance between said cylinder body and said fluid distributing valve being greater than the total diametral clearance of said preloaded ball bearings.

2,041,173
FOUNTAIN BRUSH
Glen G. Fairchild, Toledo, Ohio, assignor of one-fourth to Milton E. Whalen and one-fourth to Harold G. Suter, both of Toledo, Ohio
Application January 14, 1935, Serial No. 1,614
1 Claim. (Cl. 15—128)



A liquid distributing member for insertion within the bristles of a brush, comprising a substantially rectangular member formed of two layers of pliant material united at the top and sides thereof, said layers having each a series of parallel spaced slits that extend parallel to the sides of and through the bottoms of the layers to form spaced fingers each freely flexible throughout its entire length and independently of the others, means to unite the free edges of the fingers to form a series of fluid passages which are independent of each other and which are of substantially equal width throughout, the upper ends of the fingers being each substantially equally spaced from the top of the member to form a fluid distributing conduit common to each of the passages and of substantially uniform width throughout its length, the combined widths of the fingers substantially equalling the length of the conduit.

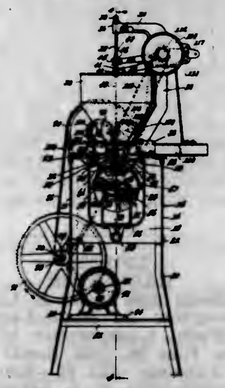
2,041,174
HOLDER
Clyde Flack, San Antonio, Tex.
Application September 4, 1934, Serial No. 742,537
4 Claims. (Cl. 248—80)



4. A holder for a hose comprising, a base plate having a portion thereof punched out and bent upwardly therefrom to form a support for a hose nozzle, said support having its upper end inclined whereby the spray from the nozzle is directed upwardly, a stud bolt extending upwardly from the base plate, a clamping member for clamping a hose received by this bolt, and a wing nut for holding said member in a clamped position screwed on said bolt

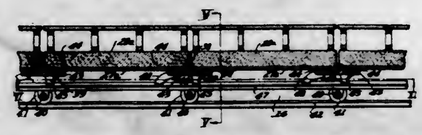
---

2,041,175
FRYING AND COOKING APPARATUS
William Lee Goodman, Chicago, Ill., assignor to Bear-Stewart Co., a corporation of Illinois
Application July 10, 1931, Serial No. 549,923
8 Claims. (Cl. 53—7)



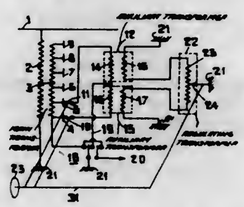
1. Cooking apparatus of the character described comprising, in combination, a tank for holding a cooking fluid, means for feeding doughnuts or the like to be cooked into said fluid, a conveyor located in said tank for advancing the uncooked doughnuts from the feeding end through the fluid to the discharge end of said apparatus, and a plate on said conveyor mounted beneath the feeding means in the cooking fluid to receive said doughnuts or the like after the same have been fed into the fluid, to prevent the same from being mutilated.

2,041,176
WARE CARRIER FOR CONTINUOUS KILNS
Frank M. Hartford, Columbus, Ohio
Application April 13, 1935, Serial No. 16,221
12 Claims. (Cl. 25—142)



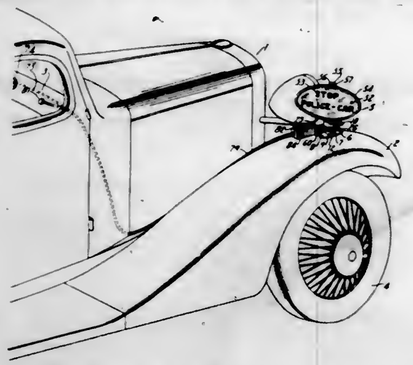
1. Carrier mechanism for transporting ware through continuous circular kilns comprising segmental hearth sections placed end to end in circular order, carriage frames freely separable from and supporting said hearth sections below the adjoining portions thereof, and wheels cooperative with the carriage frames for the anti-friction support of the hearth sections to facilitate turning movement thereof.

2,041,177
VOLTAGE REGULATOR
Hermann Harz, Berlin-Siemensstadt, Germany, assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York
Application March 16, 1933, Serial No. 661,083
In Germany March 24, 1932
23 Claims. (Cl. 171—119)



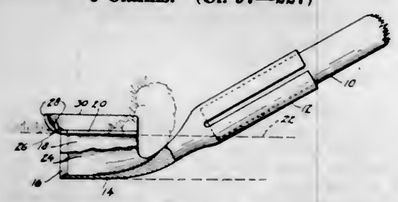
1. In combination with an electric potential regulator; a winding; taps from said winding; a pair of movable contacts arranged to be advanced alternately from one tap to a succeeding tap; a pair of auxiliary transformers having primary windings connected in series; circuit connections from each of the open ends of said primary windings to one of said contacts; means for connecting a load to the junction point of said windings; secondary windings of said transformers; a regulating transformer having a first winding connected to one of said secondary windings and having a second winding connected to said other secondary winding and means for increasing the number of turns of said first winding of said regulating transformer while simultaneously decreasing the number of turns of the said second winding of said regulating transformer for decreasing the effective number of load ampere turns of one of said first auxiliary transformers and at the same time increasing the effective number of load ampere turns of said other auxiliary transformers while maintaining the sum of said ampere turns substantially constant.

2,041,178
STOP SIGNAL
Newton S. Hillyard, St. Joseph, Mo.
Application May 15, 1933, Serial No. 671,116
3 Claims. (Cl. 116—46)



1. In a device of the character described, a signal, a bracket adapted to be mounted on a vehicle, a rack bar guide connected with the bracket, a rack bar reciprocable in the guide, a gear member meshing with the rack bar, a base member connected with the gear member, a pintle anchored to the bracket and extending through the base and gear members and having a head portion engaging the base member to retain the base member on the bracket, means connecting the signal with the base member, a flexible operating member connected with the rack bar for reciprocating the rack bar to actuate the signal, and means carried by the bracket for slidably mounting the flexible operating member.

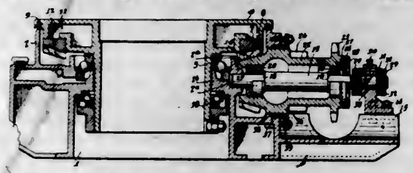
2,041,179
GARDEN TOOL
James F. Higbee, Detroit, Mich.
Application December 16, 1935, Serial No. 54,555
6 Claims. (Cl. 97—227)



1. A garden tool of the class described provided with a handle and having a trough shaped turf trenching portion sharpened at one end and having each side wall turned outwardly at its upper edge providing a horizontal flange, each flange having its forward end curved upwardly.

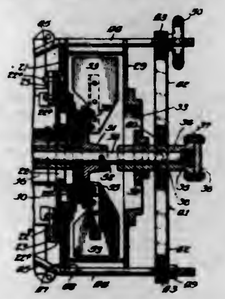
2,041,180
ROTARY MACHINE
Arthur J. Hodge, Lomita, and John D. Spalding, Los Angeles, Calif., assignors, by mesne assignments, to The National Superior Company, Toledo, Ohio, a corporation of Delaware
Application August 12, 1933, Serial No. 684,844
5 Claims. (Cl. 255—23)

1. In a rotary machine, the combination of a base having an upstanding annular wall, a rotary gear table rotatably supported by the base and forming with the wall an enclosure, the wall having an opening, a shaft extending into the enclosure through the opening, a sleeve rotatably



mounted on the shaft and extending into the opening, a pinion on one end of the sleeve within the enclosure for driving the gear table, and a drive means on the sleeve outside the enclosure for driving the pinion.

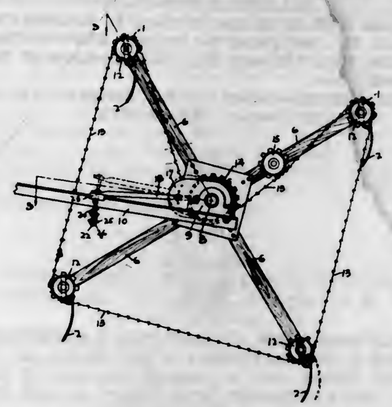
2,041,181
FEED GRINDER AND BLOWER
John Holland-Letz, Crown Point, Ind., assignor to The Letz Manufacturing Company, a corporation of Indiana
Application February 15, 1933, Serial No. 656,895
4 Claims. (Cl. 83—8)



1. A feed grinder and blower comprising a frame, a main drive shaft mounted on said frame, a relatively stationary grinding plate secured to said frame, a fan housing secured to one side of said frame, a fan wheel secured to said shaft within said housing and having a plurality of radially disposed blades secured to one side thereof, a rotary grinding plate secured to the other side of said fan wheel, a radial and end thrust bearing supporting one end of said shaft including a sleeve adjustable longitudinally through an opening on one side of said housing, a yoke member for supporting said bearing, two longitudinally extending rods connected to said yoke at one of their ends and rigidly secured to said frame at the other of their ends, whereby said yoke may be adjusted for varying the position of said rotary grinding plate with respect to said stationary plate.

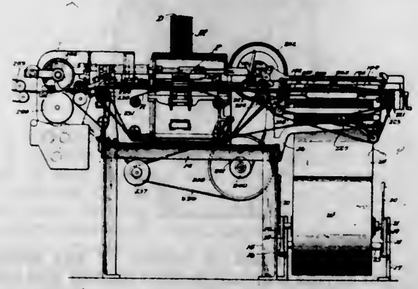
2,041,182
HARVESTER
Horace D. Hume and James E. Love, Garfield, Wash., assignors to Hume-Love Company, Garfield, Wash., a corporation of Washington
Application June 24, 1935, Serial No. 28,114
3 Claims. (Cl. 56—226)

1. The combination in a harvester with a rotary reel comprising tine-bars having journal bearings in the reel, of operating means including operating sprocket-wheels on the tine-bars, a sprocket chain, and an actuating sprocket-wheel, and resilient means operatively connected with the actuating wheel for absorbing back-pressure



from the tine-bars transmitted through the operating means.

2,041,183
PRINTING MACHINE
Emmett C. Hartley, Oak Park, Ill., assignor to Addressograph Company, Wilmington, Del., a corporation of Delaware
Application June 6, 1930, Serial No. 459,599
59 Claims. (Cl. 101—216)

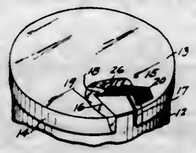


9. In a printing machine, printing means for intermittently making impressions on a web, intermittently operable feeding means for the web, means for operating the feeding means intermediate the impression operations of the printing means, means for looping the web during the intermittent operations of the printing means and while the feeding means is at rest, means operable with said printing means for operating the looping means, and means for varying the amount of movement of said looping means.

2,041,184
METHOD FOR THE PRODUCTION OF FUROIC ACID
Lloyd L. Isenhour, Chicago, Ill., assignor to The Quaker Oats Company, Chicago, Ill., a corporation of New Jersey
No Drawing. Application April 30, 1932, Serial No. 608,417
12 Claims. (Cl. 260—54)

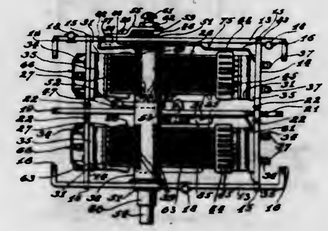
1. A method of producing furoic acid which comprises oxidizing furfural with gaseous oxygen by means of an activator consisting predominantly of silver and in an alkaline liquid capable of reacting with furoic acid.

2,041,185
DISPENSING CONTAINER
Reed Elliott Jacobs, Hayward, Calif., assignor of forty per cent to Marie M. Bolton, Oakland, Calif.
Application May 2, 1934, Serial No. 723,530
5 Claims. (Cl. 221—11)



1. In a container, a body, a cover provided with a rim extended over a portion of the outer surface of said body, a closure consisting of a tongue lying between two outwardly converging slits formed in the main portion of the cover and continued into a portion of said rim, the rim ends of the slits being connected by a cross slit in the rim so arranged as to provide an angular sealing lip for said tongue, and a diaphragm of resilient flexible material adhering to the outer surface of the main portion of said cover and extended over said rim in such manner as to normally urge the body portion of the tongue and its angular lip to closed position.

2,041,186
ELECTROSTATIC CONDENSER
Peter G. Jacobson, Chicago, Ill.
Application March 14, 1932, Serial No. 598,579
1 Claim. (Cl. 175—41.5)

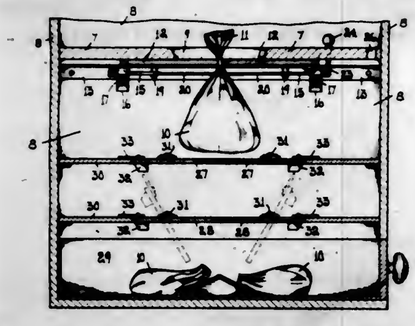


In a variable condenser having a plurality of integral chassis members, a capacitance varying member including a shaft journaled at its ends in a pair of said chassis members, an end thrust bearing having a mounting arm secured to a said chassis member and an integral offset arm extending to adjacent an end of said shaft, and adjustment means carried by said offset arm coaxially with said shaft and adjustably engaging said shaft to limit the axial movement thereof.

2,041,187
SANITARY TOILET
Jeannette H. Janda, Omaha, Nebr.
Application October 24, 1935, Serial No. 46,505
9 Claims. (Cl. 4—143)

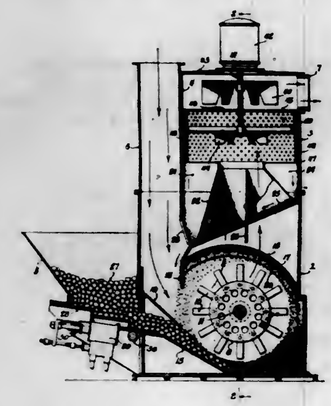
1. A sanitary toilet comprising a seat provided with an opening, a flexible receptacle having a rim projecting outwardly from its open top and adapted to be disposed within said opening with its rim engaging the seat, and impaling-members

below the seat arranged to be moved into engagement with the receptacle for causing a closure



thereof, and arranged to be moved for disengagement thereof from said receptacle.

2,041,188
PULVERIZER
William G. Johnson, Milwaukee, Wis.
Application February 17, 1932, Serial No. 593,430
4 Claims. (Cl. 83—11)



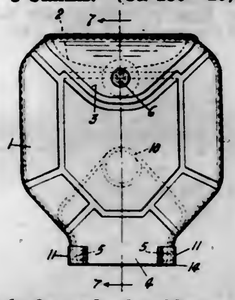
4. In a material reducing device comprising a vertically arranged housing having its lower part forming a reducing chamber, means for introducing material and air into the front part of the chamber, material reducing means in said chamber, a passage forming member located in an intermediate part of the housing and connecting the reducing chamber to the upper part of the housing, said passage forming member being spaced from the walls of said intermediate part of the housing and having its lower end sloping downwardly and forwardly, a gutter forming member connecting said lower end with the housing, baffle means carried by said passage forming member, means for directing the material passing down the gutter forming member into the front part of the reducing chamber in front of the reducing means, the top part of the housing having an outlet passage therein, and a fan in the top part of the housing which discharges the reduced material and the air through said outlet passage.

2,041,189
ILLUMINATED SIGN
William A. Keating and William D. Kinsell, Chicago, Ill., assignors to Federal Electric Company, Inc., Chicago, Ill., a corporation of New York
Application September 12, 1934, Serial No. 743,741
16 Claims. (Cl. 40—135)



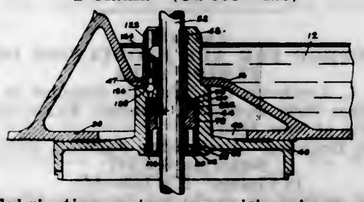
1. A lamp shade of translucent material comprising a portion forming a rim, having an inwardly facing seat, a support mounted on said seat, and a discharge lamp carried on said support and extending within said rim.

2,041,190
DISPENSER AND PROCESS OF MAKING THE SAME
Donald D. Kuhlke, Akron, Ohio
Application April 6, 1935, Serial No. 15,975
3 Claims. (Cl. 150—10)



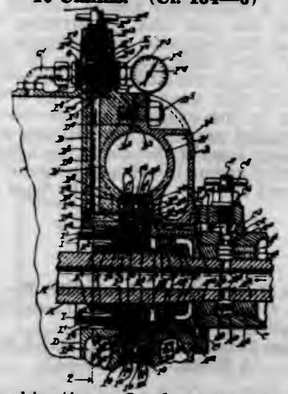
1. A pouch formed of rubber or like elastic material having a mouth molded therein and normally standing in spread or open condition, and a spring stretching the mouth to bring the sides thereof together.

2,041,191
LUBRICATING SYSTEM
Bayard D. Kunkle, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application July 13, 1932, Serial No. 622,179
1 Claim. (Cl. 308—126)



A lubricating system comprising, in combination, a lubricant supply chamber having a supply of lubricant therein; a bearing support adjacent to the lubricant supply chamber, and having a bearing supported thereby, said bearing support and bearing providing cooperating lubricant conducting passages therein and an auxiliary chamber; a shaft rotatably mounted in said bearing and extending into the auxiliary chamber; one of said passages providing communication between said chambers, and the other of said passages providing communication to said bearing; valve means in said one passage restricting the flow therethrough in one direction; and lubricant pumping means within the auxiliary chamber and driven by the shaft for forcing lubricant through one of said passages from the auxiliary chamber to the supply chamber.

2,041,192
LUBRICATING AND COOLING SYSTEM
Arnold Lack, Chicago, Ill., assignor to H. H. Shockey, Chicago, Ill.
Application August 18, 1933, Serial No. 685,671
10 Claims. (Cl. 184—6)



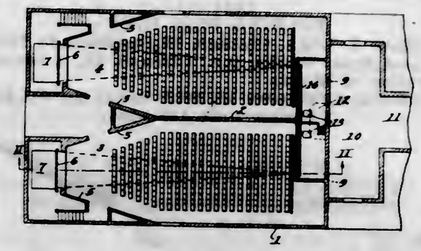
1. In combination, a fixed member forming part of a cylinder wall and a moving member forming part of said cylinder wall, means for lubricating and sealing, comprising a mechanical sealing part interposed between the moving member and the fixed member, and a fluid passage communicating with said members to conduct fluid to said members, means for controlling the quantity of fluid admitted to said members and a second means for controlling the discharge of fluid from said passages whereby the pressure of the fluid within said passages is regulated.

2,041,193
ESTERIFICATION OF OLEFINES
William McCandliss Lee, Philadelphia, Pa., assignor to The Sharples Solvents Corporation, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application November 18, 1930, Serial No. 496,556
26 Claims. (Cl. 260—106)

1. A method for the production of tertiary esters comprising reacting at substantially atmospheric pressure an iso olefin with an aliphatic mono-carboxylic acid containing the acyl radical of the desired ester in the presence of a relatively non-polymerizing quantity of sulphuric acid.

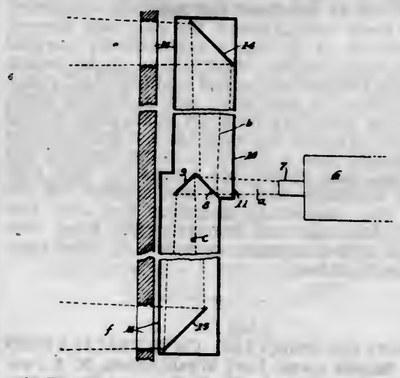
2,041,194
THEATER BUILDING
Theodore Lindenberg, Columbus, Ohio
Application October 5, 1934, Serial No. 747,041
3 Claims. (Cl. 88—24)

1. In a motion picture projecting system, the combination with a pair of parallel adjoining auditoriums, apparatus for projecting a beam of light through a motion picture film, angularly adjustable related transparent light reflecting and transmitting mirrors in longitudinal focal registration with the entire light beam issuing from said apparatus after passage through said film, said mirrors producing light beams traveling in opposite directions with respect to each other in paths perpendicular to that of the beam issuing



from said projection apparatus, spaced angular non-transparent mirrors intercepting said oppositely directed light beams to produce spaced substantially parallel beams which pass longitudinally through each of said auditoriums, and screens arranged in the forward ends of said auditoriums to receive the light beams reflected from said non-transparent mirrors.

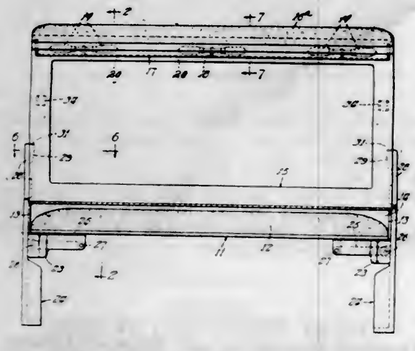
2,041,195
LIGHT PROJECTING SYSTEM
Theodore Lindenberg and Theodore Lindenberg, Jr., Columbus, Ohio
Application November 20, 1934, Serial No. 753,950
3 Claims. (Cl. 88—24)



1. In a motion picture projecting system, the combination with a pair of parallel adjoining auditoriums, apparatus for projecting a primary beam of light through a motion picture film, a screen intercepting said primary light beam and disposed in angular relationship to its principal axis, said screen comprising a plurality of spaced mirrored light-reflecting areas running transversely of the mirror in increasing width and intervening non-reflecting light-transmitting areas corresponding thereto, said mirrored areas producing a secondary light beam projected in a course substantially at right angles to that of the primary light beam, an angularly disposed mirror for receiving the non-reflected light rays of the primary beam following passage of the latter through the non-reflected light-transmitting areas of said screen, the angularity of said last-

named mirror producing a tertiary light beam projecting substantially at right angles to the axis of the primary beam and in an opposed direction to that of the secondary beam, and angularly disposed mirrors intercepting the secondary and tertiary beams and reflecting the latter longitudinally through said auditoriums.

2,041,196
FOLDING PRIE-DIEU
William F. Liska, Chicago, Ill., assignor to Holland Brass Works, Inc., Chicago, Ill., a corporation of Illinois
Application February 10, 1934, Serial No. 710,655
8 Claims. (Cl. 155—166)



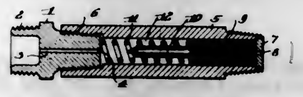
7. In a folding prie dieu, the combination of an elongated knee rest adapted to occupy a substantially horizontal position, a support carrying an arm rest at its upper end hingedly connected to said knee rest adjacent the rear side thereof and adapted to occupy a substantially vertical position with respect thereto and to be swung down to a position above and in substantially parallel relation to said knee rest, relatively short supporting members hingedly connected to said knee rest adjacent the ends thereof and adapted to be folded into a common plane beneath the knee rest, and cooperable means on said supporting members and arm rest support for securing the supporting members and arm rest support together and maintain the knee rest, arm rest and supporting members in fixed relation to each other.

2,041,197
METHOD OF INDUCING CRYSTALLIZATION
Albert Adams Lund, Port Washington, N. Y., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California
No Drawing. Application July 11, 1932, Serial No. 622,011
20 Claims. (Cl. 99—134)

1. In a process for the manufacture of fondants, the steps of dispersing from about 65% to 100% dextrose and from 0% to 35% sucrose in an aqueous medium with from 0.01% to 2.0% of an edible gum-like hydrophilic colloid, cooking the dispersion to from about 226° F. to 236° F., and then cooling and creaming the dispersion.

18. A new and improved cooled and creamed fondant of the handroll cream type, characterized by a short and extremely smooth texture and containing about 80 parts of dextrose, about 20 parts of sugars including sucrose and invert sugar derived therefrom, about 0.4 to 1.0 part of pectin, and a proportion of water not greater than that present in this mixture when boiled under normal conditions, at about 230° F.

2,041,198
FLUID PRESSURE REGULATING VALVE
William A. McLean, Rochester, N. Y., assignor to C. Schnackel's Son, Inc., Rochester, N. Y., a corporation of New York
Application August 23, 1935, Serial No. 37,538
2 Claims. (Cl. 137—152)



1. In a pressure regulating valve, the combination with a cylindrical casing having an inlet opening at one end and a restricted discharge opening at the opposite end including a valve seat, of a valve member slidable in the casing and embodying a reduced needle portion adapted to cooperate with the valve seat and a baffle portion fitted to the cylinder and provided with a screw threaded periphery constituting a tortuous fluid passage toward the discharge opening, and an expansion spring interposed between the valve member and the seat to normally hold the valve open.

2,041,199
BENT PIPE
Bruce De Haven Miller, Louisville, Ky., assignor to The Girdler Corporation, Louisville, Ky., a corporation of Delaware
Application February 10, 1934, Serial No. 710,631
1 Claim. (Cl. 138—47)

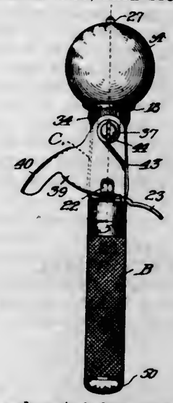


As a new article of manufacture a substantially straight pipe made of ductile weldable metal and having at one end thereof and integral therewith a curved end section terminating in a plane at an angle of 45° to the axis of the pipe and radially to the axis of curvature of said end section, the walls of said pipe and its end section being of substantially uniform thickness throughout, and the internal and external diameters being also uniform, said pipe being adapted to be welded to a similar pipe with the curved sections abutting in said plane to form a 90° bend with the pipes at right angles to each other.

2,041,200
DISHER
Louis Myers, Chicago, Ill., assignor to Myers Manufacturing Company, Galesburg, Ill., a corporation of Illinois
Application February 16, 1934, Serial No. 711,603
3 Claims. (Cl. 107—48)

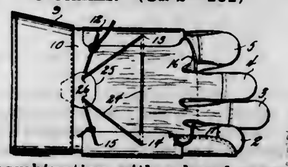
1. A disher of the type described, including; a bowl, a tubular handle secured to the bowl; a scraper swingably mounted in the bowl; a rotatably mounted scraper-operating shaft equipped with a gear; a lever provided with a curved rack bar engaging said gear; and means for sealing said handle, said means including an imperforate shaft-bearing disc seated within the end of the handle and a shaft-bearing disc seated on said

first-mentioned disc, said second-mentioned disc



having a rack-retaining member and a finger piece formed integral therewith.

2,041,201
PALM SHIELD
Maurice Neback, Detroit, Mich.
Application October 10, 1935, Serial No. 44,339
3 Claims. (Cl. 2—161)



1. The combination with a hand covering having parallel spaced strips fixed therewith at the back, each strip having a series of eyes, of a separate palm shield having side extensions therefrom provided with eyes in complementary relation to the eyes of said hand covering strips, and lacing means between the eyes of the strip means and palm shield fixedly mounting the shield upon the hand covering as a detachable accessory therefor.

2,041,202
METHOD OF MAKING WHEELS
Emil A. Nelson, Detroit, Mich.
Application January 5, 1932, Serial No. 584,826
9 Claims. (Cl. 29—159.03)

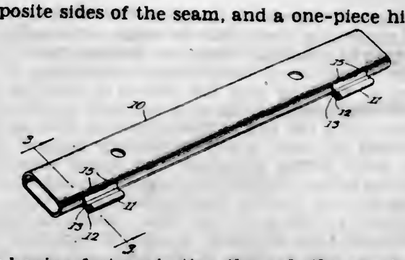


1. The method of forming a hollow spoke wheel, which comprises forming an annular band of sheet material, and drawing the material radially and inwardly between and around circumferentially spaced radial lines.

4. The method of forming a hollow spoke wheel which comprises forming an elongated strip of material with serpentine edges to provide alternating wide and narrow portions, and forming hollow spokes from the wider portions.

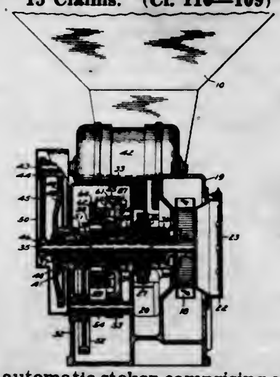
2,041,203
BINDER BAR AND HINGE LUG THEREFOR
George W. Newman, St. Louis, Mo., assignor to Loose Leaf Metals Company, a corporation of Missouri
Application March 30, 1934, Serial No. 718,111
4 Claims. (Cl. 129—12)

4. In combination, a binder bar formed of a sheet of metal bent to form a flattened tube having an open seam and companion apertures on opposite sides of the seam, and a one-piece hinge



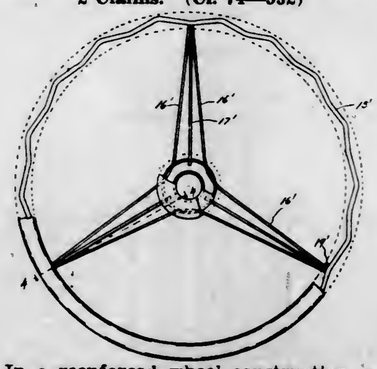
lug having feet projecting through the apertures and clinched against the inner face of the tube.

2,041,204
AUTOMATIC STOKER
James P. Norton, Worcester, Mass., assignor to Riley Stoker Corporation, Worcester, Mass., a corporation of Massachusetts
Application August 10, 1933, Serial No. 684,543
15 Claims. (Cl. 110—109)



15. An automatic stoker comprising a fuel feeding device, a hollow rotatable shaft, means operatively connecting the shaft with the fuel feeding device to drive said device, a fan housing, a rotatable fan wheel mounted in the fan housing, and a rotatable shaft extending through the hollow shaft and connected to the fan wheel.

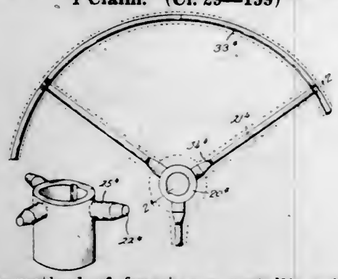
2,041,205
REENFORCED STEERING WHEEL
Grégoire Joseph Pannecoucke, Detroit, Mich.
Application May 1, 1931, Serial No. 534,151
2 Claims. (Cl. 74—552)



1. In a reenforced wheel construction, a hub comprising generally concentric ring elements, the outer only of which is provided with openings having portions grouped in generally tri-

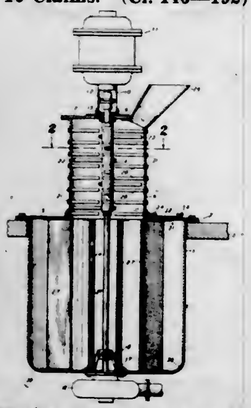
angular arrangement, spoke elements secured in and projecting from said openings and similarly grouped in generally triangular arrangement, the spoke elements of each group converging to a point of meeting and the points of meeting of the several groups lying on a common circle concentric with the hub, at least one of said spoke elements of each group projecting beyond the rest, each group including two upper elements and one lower element, the upper openings being elongated to provide corresponding portions in adjacent groups and the upper elements being continued through such elongated openings in the outer ring portion of the hub and from the same to form similar elements of different groups, and a generally circular rim element secured to the projecting ends of said spoke elements and securing said ends together.

2,041,206
METHOD OF FORMING HANDWHEELS
Gregoire Joseph Pannecoucke, Detroit, Mich.
Application September 24, 1931, Serial No. 564,893
1 Claim. (Cl. 29—159)



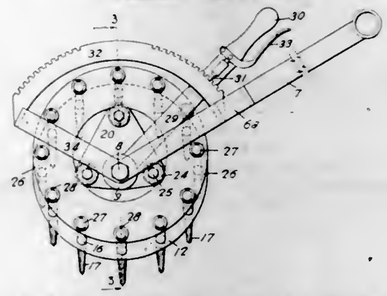
The method of forming a metallic reinforcement structure for a hand wheel which comprises drop forging a metallic hub of hollow cylindrical form, simultaneously providing the hub with integral and solid radially extending projections having extremities tapered to reduced diameter, and butt welding to each of the projections a wire spoke member of substantially the same diameter as the reduced extremity of the projection.

2,041,207
MACERATOR
Carl A. Rietz, San Francisco, Calif.
Application March 16, 1932, Serial No. 599,166
10 Claims. (Cl. 146—192)



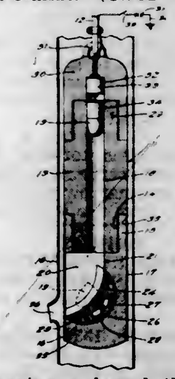
1. A macerator comprising a vertical shaft, a plurality of beater bars mounted along said shaft and projecting radially therefrom, a cylindrical housing surrounding said beater bars, a plurality of stationary beater bars projecting inward from said housing between said shaft beater bars, a hopper opening into said housing above the beater bars, means for driving said shaft, a pump directly connected to the bottom of said shaft to discharge from said housing, and baffle plates mounted on said housing interposed between said beater bars and said pump for preventing said beater bars from setting up a forced vortex above the centrifugal pump intake.

2,041,208
SURFACE WHEEL
George W. Rienks, Denver, Colo.
Application January 7, 1935, Serial No. 653
7 Claims. (Cl. 97—52)



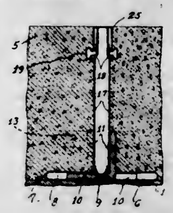
1. A device of the character described, comprising a handle, a yoke on the handle, a rotary wheel carried by the yoke, normally fixed bearings carried by the yoke, rotary elements supported by the bearings in eccentric relation to the wheel, a yoke connecting the bearings, a lever on the last mentioned yoke, a toothed segment on the yoke of the handle, a detent cooperating with the segment for holding the lever in adjusted positions, and spike-carrying shafts on the wheel, having crank-connections with the rotary elements.

2,041,209
CASING PERFORATING GUN
Ralph M. Ridley, Whittier, Calif., assignor of one-fourth to Wayne N. Sutliff and three-fourths to L. E. Johnson, both of Los Angeles, Calif.
Application May 19, 1934, Serial No. 726,499
12 Claims. (Cl. 81—188)
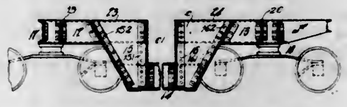


1. A gun having a barrel through which a straight bore extends, said bore terminating in a curved muzzle by which a projectile from the straight bore is deflected as it travels, and a member temporarily disposed across said muzzle to provide a fluid seal for the same, the terminating closed portion of the muzzle being of larger sectional area than the bore.

2,041,210
ROAD JOINT AND FILLER BRIDGE UNIT WITH ASPHALT LOCK
Robert R. Robertson, Chicago, Ill., assignor to The Translode Joint Company, Chicago, Ill., a corporation of Illinois
Application February 21, 1934, Serial No. 712,271
20 Claims. (Cl. 94—18)



1. A load transmission air expansion joint former comprising a base section, anchor means transversely reciprocal in said base section, a core unit removably supported on the base section, flange members formed on the base section projecting upwardly into the core unit to hold the walls thereof properly spaced, chambered socket members temporarily carried by the core unit, and cap means removably engaged on the core unit for releasably holding the socket members on the sides of the core unit.

2,041,211
CAR STRUCTURE
Eugene W. Schellentrager, Shaker Heights, Ohio
Application January 5, 1931, Serial No. 506,655
3 Claims. (Cl. 105—418)



3. A built up main girder for a car comprising end members to rest on supports, a middle member below the level of said end members for carrying the bottom of a car body close to the ground, reinforced gusset members connecting said end and middle members, and members extending transversely of and secured to said end members for contact on said supports to prevent excessive tilting of the body and of said girder relative to said supports.

2,041,212
ENCLOSED TERMINAL CONSTRUCTION FOR RESISTANCE ELEMENTS
Newton C. Schellenger, Elkhart, Ind., assignor to Chicago Telephone Supply Co., Elkhart, Ind., a corporation of Indiana
Application August 27, 1934, Serial No. 741,551
6 Claims. (Cl. 201—55)

1. A resistance element of the planar carbonaceous type having a plurality of terminal engaging projections extending therefrom, one of said projections adapted for engagement with a "tap" terminal, a low resistance paint area overlying said projection extending away therefrom onto the contact surface of said element in the form of a taper having its vertex adjacent the center of the width of said element.

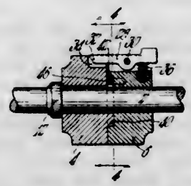


5. In a variable resistance device, a base member, a flat resistance member on the base member, the base member and resistance member having registering openings therein, a terminal member having a perforated flat body portion seated on the resistance member with its perforation registering with the openings in the base and resistance members, a securing member passing through the registering openings and perforation, the base having cut away portions adjacent the body of the terminal and fingers extending from the terminal normal to the body portion engaging said cut away portions to prevent rotation of the terminal about the securing member.

2,041,213
RESISTANCE ELEMENT
Newton C. Schellenger and Willis E. Haselwood, Elkhart, Ind., assignors to Chicago Telephone Supply Company, Elkhart, Ind., a corporation of Indiana
No Drawing. Application November 26, 1934. Serial No. 754,846
8 Claims. (Cl. 201—76)

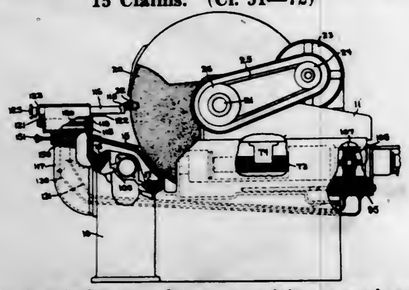
1. A resistance element composed of conductive material and a vinyl resin.

2,041,214
SKEIN-FORMING DEVICE
James P. Shorrock, Holyoke, Mass.
Application June 8, 1935, Serial No. 25,640
3 Claims. (Cl. 242—110)



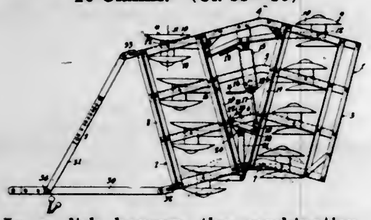
1. A skein-forming device of the class described comprising in combination, a shaft having a hub fixed thereto and a second hub adjacent the first hub and rotatable on said shaft, arms extending radially from said hubs, releasable means associated with said hubs for releasably preventing relative rotative movements thereof, one of said hubs being provided with a recess and the other of said hubs being provided with a tongue receivable in said recess, and a pin in said recess for engaging said tongue when the rotatable hub is rotated.

2,041,215
CRANKPIN GRINDING MACHINE
Herbert A. Silven, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application September 29, 1934, Serial No. 746,158
15 Claims. (Cl. 51—72)



1. A grinding machine comprising a work support to rotatably support a cylindrical work piece, a rotatable grinding wheel, a transversely movable wheel slide supporting said wheel which is movable towards and from said work support to grind the work, a work steadying rest having a work engaging shoe which is movable into or out of engagement with the work to steady the same during grinding, and a fluid pressure operated mechanism including a control valve to simultaneously move the wheel and shoe either towards or away from the work.

2,041,216
DISK HARROW
Oscar W. Sjogren, Huntington Park, Rollie H. Mitchell, South Gate, Jesse A. Vaughn, Los Angeles, and Dougald E. Skinn, South Gate, Calif., assignors to Killefer Manufacturing Corporation, Ltd., Los Angeles, Calif., a corporation of California
Application June 2, 1933, Serial No. 673,956
10 Claims. (Cl. 55—30)

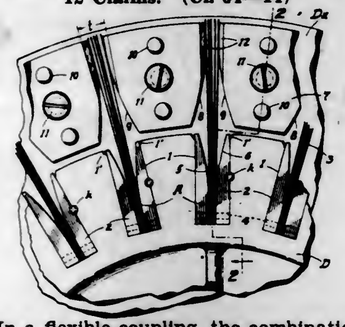


1. In a disk harrow, the combination of a frame composed of a pair of frame sections rigidly connected together in angled relation, a plurality of disks shiftably mounted in each frame to form front and rear gangs of disks, and means for shifting the disks with relation to the frame sections to and from angled positions, the disks being mounted in said frame sections so that when the disks are angled their axes of rotation correspond substantially with the angularity of said frame sections and in each gang lie in substantially a straight line.

2,041,217
PLASTIC COMPOSITION
Vernon L. Smithers, Akron, Ohio, and Herbert A. Winkelmann, Chicago, Ill.
No Drawing. Application May 23, 1935, Serial No. 23,024
5 Claims. (Cl. 106—23)

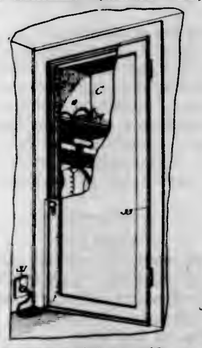
1. In the manufacture of articles from plastics, the improvement in shortening the curing time thereof consisting in adding to such compositions in the raw state a finely ground flour made from nut shells.

2,041,218
FLEXIBLE SHAFT COUPLING
John Leonard Taylor, Milwaukee, Wis.
Application September 26, 1931, Serial No. 565,281
12 Claims. (Cl. 64—14)



1. In a flexible coupling, the combination of a driving member and a driven member, one of said members being provided with symmetrically arranged substantially radial slots, a group of leaf springs clamped at one end to said member in each slot, the other member being provided with similarly arranged substantially radial slots radially spaced from the first mentioned slots, said groups of springs being engaged at their other ends in the second mentioned slots, said second mentioned slots being relatively wide and having curved cam-walls, and said springs diverging from each other at their free ends to fully occupy said slots when at rest, said curved cam walls progressively shortening the unsupported length of said springs as said springs flex under load, and the radial arrangement of said slots neutralizing any thrust developed in said springs by reason of their engagement with said curved cam walls.

2,041,219
METHOD OF DESTROYING MOTH LIFE
Marion E. Wade, Chicago, Ill., assignor to Moth King Corporation, Chicago, Ill., a corporation of Illinois
Application April 13, 1935, Serial No. 16,111
4 Claims. (Cl. 21—18)

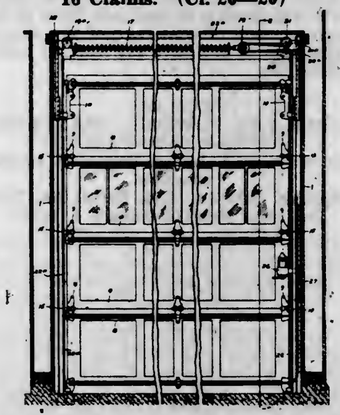


4. That improvement in moth-proofing articles subject to attack by moth larvæ which comprises placing the articles in a closet or like small space, then sealing the closet by applying strips of sealing material along the edges of the door and across all other openings leading to the closet, then while the closet is sealed, vaporizing in the upper portion of the closet by way of heating at a temperature ranging between 290° and 310° Fahrenheit at least one cubic centimeter of pure or unadulterated orthodichlorobenzene for each cubic foot of space within the closet in order to produce a gas which completely fills the closet and is of such concentration or potency as to destroy or devitalize all stages of moth life in the articles and closet, and finally after no less than 24 hours removing the sealing material and opening the door of the closet to permit of the discharge of gas therefrom.

2,041,220
STABLE PREPARATIONS
Ludwig Zeh, Leverkusen-Wiesdorf, and Erich Konrad, Leverkusen-I. G. Werk, Germany, assignors to Durand & Huguenin Aktiengesellschaft, Basel, Switzerland, a corporation of Switzerland
No Drawing. Application February 4, 1935, Serial No. 4,990. In Germany February 15, 1934
7 Claims. (Cl. 8—6)

1. Dyeing and printing preparations comprising salts of leuco sulfuric acid esters of vat dyestuffs of the benzanthrone series and water soluble salts of dithiocarbamic acids.

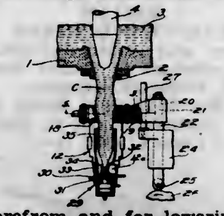
2,041,221
OPERATING MECHANISM FOR OVERHEAD DOORS
William M. Brunst, Columbus, Ohio, assignor, by mesne assignments, to General Door Company, Reno, Nev., a corporation of Nevada
Application July 9, 1930, Serial No. 466,630
16 Claims. (Cl. 20—20)



14. In combination, in a door operating mechanism, a pair of cables, each attached at one end to one side of the door, a fixed support for the other ends of said cables, a common yielding means having a fixed support, and a floating support for the yielding means and both of said cables engaging the cables intermediate of their ends.

2,041,222
APPARATUS FOR AND METHOD OF FEEDING MOLTEN GLASS
Lloyd G. Bates, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application January 18, 1935, Serial No. 2,408
8 Claims. (Cl. 49—55)

1. The combination with a glass discharge outlet from which glass issues from a supply body in a descending column of a charge receiver spaced below the outlet, and a vertically reciprocating feeder ring located between the outlet and said charge receiver in substantially axial alignment with both for receiving and preshaping each of successive portions of said descending column suitably for the cavity of the underlying charge receiver as each of said portions passes downwardly through said feeder ring into suspension therefrom and for lowering each such preshaped suspended portion of the glass column into the underlying charge receiver while effecting preshaping of glass of the succeeding portion of said column, and means for severing the glass between the feeder ring and said charge receiver when said feeder ring is at a position spaced above the charge receiver.



2,041,223
PLASTIC RUBBER COMPOSITION
Roland R. Bollman, Mount Washington, Ohio, assignor to The Perfect Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Original application April 22, 1932, Serial No. 606,914. Divided and this application January 10, 1933, Serial No. 651,061
3 Claims. (Cl. 106—23)

1. A plastic, dough-like, untacky composition adapted to use in repairing worn shoe soles, hardenable without shrinkage into a resilient, tough composition, comprising, dominant quantities of asbestos fibre and cement, and including crude rubber, suitable solvent therefor, finely ground truck tire, carbon black toughener, rosin, stearic acid, and vulcanizing agents, all intermixed to provide an untacky, plastic mass suitable for preformation to approximate size before application of the material to the shoe sole.

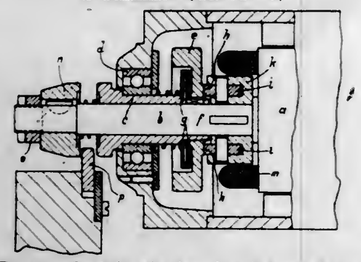
2,041,224
SACKER APPARATUS
Carl S. Brown, Hutchinson, Kans.
Application January 8, 1935, Serial No. 917
3 Claims. (Cl. 226—18)



1. A sacker apparatus comprising an upwardly disposed suspending member, means for holding

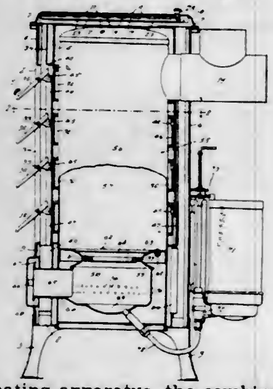
said member for swinging movement in a vertical direction, means for normally maintaining the suspending member in a substantially vertical position, and a tray carried by the lower portion of the suspending device, said tray providing means for limiting the swinging movement of the suspending device in one direction.

2,041,225
ELECTRIC STARTER
Albert Callsen and Anton Schmid, Stuttgart, Germany, assignors to Robert Bosch Aktiengesellschaft, Stuttgart, Germany
Application March 17, 1934, Serial No. 716,054
In Germany April 25, 1933
2 Claims. (Cl. 74—7)



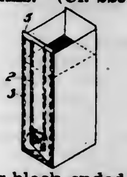
1. In an electric starter for internal combustion engines, a friction ring mounted on the flywheel of the engine, a starter shaft, a disk mounted thereon adjacent one side of said friction ring, a pressure shell journaled in a bearing of said shaft on the opposite side of said friction ring and adjustable longitudinally of the starter shaft, cam gearing for adjusting said shell, said gearing including a cam disk mounted for rotation with and adjustable longitudinally on said pressure shell, and a plurality of plate springs between said cam disk and shell.

2,041,226
HEATING STOVE
Lee S. Chadwick, Shaker Heights, Ohio, assignor to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio
Application June 13, 1934, Serial No. 730,370
3 Claims. (Cl. 126—67)



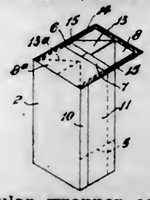
1. In heating apparatus, the combination of a heat radiating unit, a casing surrounding said unit and provided with a plurality of regulable means independently adjustable for controlling the radiation of heat from different laterally spaced wall portions of said unit and for effecting with each of such wall portions as an alternative condition a passage through which air may circulate, a top for said casing having a plurality of independently regulable means for controlling the discharge of air therethrough, said last means being each located above a respective wall portion of the unit and cooperating with the corresponding first means to control the circulation of air adjacent that wall portion.

2,041,227
WRAPPER FOR POWDER, GRANULAR, OR SIMILAR SUBSTANCES
John Walker Chalmers, Deptford, London, England
Application July 30, 1934, Serial No. 737,664
In Great Britain August 1, 1933
3 Claims. (Cl. 229—87)



1. A rectangular block-ended wrapper comprising a pair of side folds on each of two opposed sides of the wrapper, end folds at the block end of the wrapper cooperating with the side folds, a reinforcing element for each of said opposed sides, a line of adhesive adjacent each longitudinal edge of the wrapper on the inner side thereof, and at least one line of adhesive applied to the inner side of the wrapper and adjacent the line about which each of said side folds is formed, the major portion of that face of the wrapper to which the lines of adhesive are applied being free from adhesive.

2,041,228
WRAPPER FOR POWDER, GRANULAR, OR SIMILAR SUBSTANCES
John Walker Chalmers, Deptford, London, England
Application July 30, 1934, Serial No. 737,665
In Great Britain August 1, 1933
2 Claims. (Cl. 229—87)



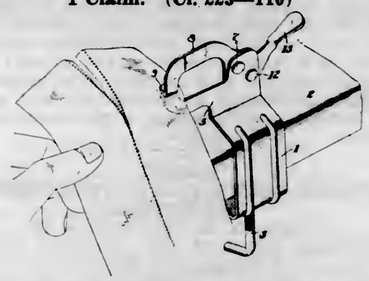
1. A rectangular wrapper comprising an inner container, a reinforcing element for each of two opposed sides of the inner container, an outer block-ended container, two closure flaps arranged on opposed sides of the wrapper, each of said closure flaps being constituted by a part of the inner container and a part of the outer container, and folded one upon the other to engage with the contents of the wrapper, a line of adhesive applied to the outer surface of each of the two flaps and disposed adjacent the line about which each flap is folded, two further closure flaps arranged on the other opposed sides of the wrapper and constituted by a part of the inner container and a part of the outer container, and lines of adhesive applied to the inner surfaces of said further closure flaps and disposed adjacent the edges thereof.

2,041,229
LABORATORY IMPLEMENT
James A. Chamberlin and Adolphus W. Owens, Houston, Tex.
Application October 15, 1934, Serial No. 748,362
2 Claims. (Cl. 88—39)



1. An implement of the character described comprising a holder and a stock approximately of equal length and arranged parallel, a bracket having an adjustable clamp, one of said stock and holder being pivoted to the bracket and the other being adjustable lengthwise in the clamp, a yieldable member on the bracket normally acting to hold the holder and stock in said parallel relation and being yieldable to permit them to be moved into angular relation, a microscope on one end of the stock, said holder including a needle for supporting a subject in position to be inspected through the microscope, said microscope and needle being adjustable, one relative to the other.

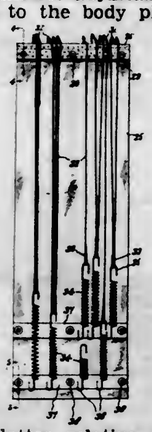
2,041,230
WORK-HOLDER
Daniel H. Chason, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application January 10, 1935, Serial No. 1,150
1 Claim. (Cl. 223—110)



A work-holder comprising a sheet-metal body portion bent flatwise of itself into a U-shaped clamp to embrace the edge of a table-top, a clamp screw threaded into the lower limb of the U-clamp, the upper leg of the U having a flat upstanding stationary member extended at one side in the plane of said member to form an upwardly curved limb the free end of which is bent over laterally to form a clamping jaw, a movable sheet-metal member having a body portion pivoted to said stationary member and extended at one side to form a downwardly curved limb the free end of which is bent laterally to form a clamping jaw opposed to the first mentioned clamping jaw, the body portion of said movable member being formed with a slot, and a hand operated eccentric member pivoted to the first mentioned member and engaging the walls of said slot.

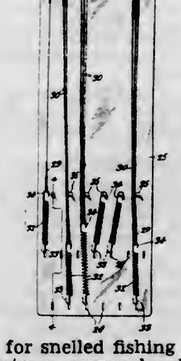
2,041,231
HOLDER FOR SNELLED FISHING HOOKS
Henry E. Collins, Dunmore, Pa.
Application November 20, 1934, Serial No. 753,935
7 Claims. (Cl. 43—32)

1. A holder for snelled fishing hooks, comprising a body plate, a combined hook supporting and point encasing element of spongy material mounted on one end portion of the body plate for receiving and enclosing the ends of fish hooks, and detachable tension devices for engagement with the looped ends of the snells of the hooks, said tension devices and the body plate having cooperating means for adjustably attaching the tension devices to the body plate at different



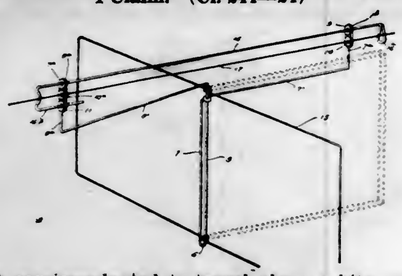
points on the latter relative to the different lengths of the snells and remote from said hook supporting element to maintain the snells of the hooks taut, said tension devices extending completely across said means.

2,041,232
HOLDER FOR SNELLED FISHING HOOKS
Henry E. Collins, Dunmore, Pa.
Application February 23, 1935, Serial No. 7,916
7 Claims. (Cl. 43—32)



1. A holder for snelled fishing hooks, comprising a body plate, a spongy head piece mounted on one end of the plate and extending beyond the opposite sides thereof for receiving therein the points of fish hooks at opposite sides of the plate, said plate having at its other end spaced transverse rows of slots opening through the opposite sides of the plate and having a plurality of posts spaced from the slots and extending from opposite sides of the plate, and a plurality of springs having hooks on one end to selectively engage in the slots and having hooks on their opposite ends to selectively engage the snells of the fishing hooks to hold the same taut against the side of the plate and to engage the posts to hold the springs from dangling when disengaged from the said snells.

2,041,233
PARACHUTE CARRIER FOR KITES
Ellsworth W. Cutshall, Houston, Tex.
Application August 30, 1934, Serial No. 742,172
1 Claim. (Cl. 244—24)



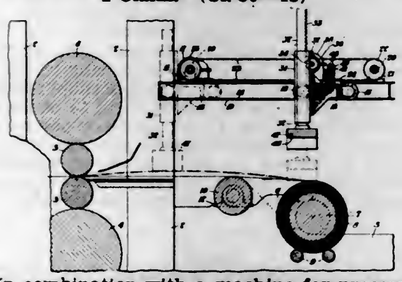
A carrier adapted to travel along a kite cord, said carrier comprising a frame consisting of an elongated U-shaped part having legs provided with reversely extending projections terminating in upstanding loops, the loops at the terminus of one of said legs being of greater length than the loop at the terminus of the other of said legs, three vertically aligned eyelets in the first named loop, a pair of vertically aligned eyelets in the second named loop, the lowermost eyelet of said pair and the intermediate eyelet of said three eyelets adapted to have the kite cord threaded therethrough, a trigger member slidable through the uppermost eyelets in the loops and having an integral latch member slidable in the lowermost one of said three eyelets, wings hingedly mounted to one of the legs of said U-shaped part of the frame and strings secured to said wings and adapted to be looped over the latch member whereby longitudinal movement of the trigger will release the strings permitting a folding of the wings for the return of the carrier.

2,041,234
BITUMINOUS DISPERSIONS FOR COATINGS OR COVERINGS AND A PROCESS OF PREPARING THEM
Karl Daimler, Frankfort-on-the-Main-Hochst, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application January 2, 1931, Serial No. 506,316. In Germany January 30, 1930
3 Claims. (Cl. 134—1)

1. The method of insuring the binding action of asphalt which is applied as an asphalt emulsion to serve as a binder in the construction of highways, which method comprises incorporating in a hard asphalt emulsion an independent emulsion of a softer, solid, bituminous material fluxible with said hard asphalt, and preventing the fluxing of the softer, bituminous material with said hard asphalt while present in the emulsion by means of a dispersing film which prevents coalescence until the emulsion has dried or has been broken, whereby a better binding is effected when the emulsion is dried or broken than could be effected by the use of a simple emulsion of the hard asphalt and the soft bituminous material.

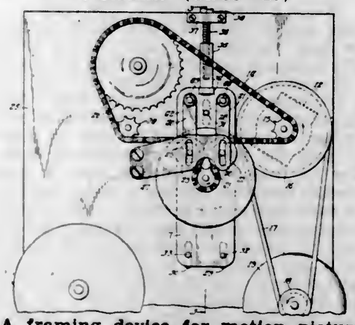
2. An aqueous asphalt emulsion consisting essentially of a hard asphalt in an aqueous phase in the form of rounded solid asphalt particles separated from the continuous aqueous phase by an interfacial film and a lower melting solid asphalt likewise dispersed in an aqueous phase in the form of rounded particles separated from the continuous phase by an interfacial film, the hard asphalt and the lower melting asphalt being dispersed in the same aqueous phase whereby the interfacial films on the hard asphalt particles and the lower melting asphalt particles respectively prevent the fluxing of the hard asphalt with the lower melting asphalt prior to the breaking of the emulsion.

2,041,235
FEED DEVICE
James M. Darbaker, Gary, Ind., assignor to American Sheet and Tin Plate Company, a corporation of New Jersey
Application February 21, 1935, Serial No. 7,655
1 Claim. (Cl. 80—43)



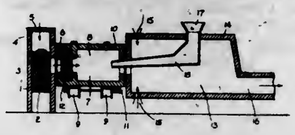
In combination with a machine for processing a relatively heavy coil of metallic strip, the convolutions of said coil being confined against radial displacement by a tying element, of a horizontal platform immediately adjacent said machine, a movable carriage on said platform, a magnet mounted on said carriage, said magnet being adapted to contact said coil of metallic strip and receive said tying element, means on said platform for moving said carriage, and means for moving said magnet at substantial right angles with respect to the direction of movement of said carriage.

2,041,236
FRAMING DEVICE FOR MOTION PICTURE PROJECTORS
Herman A. de Vry, Chicago, Ill.
Application March 12, 1934, Serial No. 715,056
6 Claims. (Cl. 88—17)



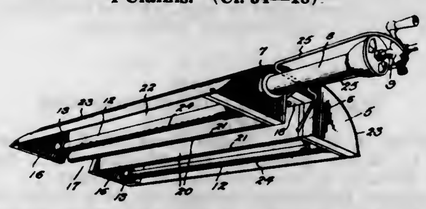
1. A framing device for motion picture machines having an intermittent film driving mechanism and a shutter driven in synchronism with the intermittent mechanism by means of a flexible drive connection of the chain type, means providing a loop in the flexible drive connection, means for bodily shifting the intermittent film driving mechanism and the film driven thereby with respect to the aperture for framing, and means simultaneously lengthening or shortening the loop to avoid disturbing the synchronous relations of the intermittent movement with the shutter.

2,041,237
PROCESS FOR PRODUCING ZINC OXIDE
Emanuel Feuer, Perchtoldsdorf, and Paul Kemp, Liesing, Austria, assignors to "Smelting" Metallurgische und Metallwerke Aktiengesellschaft, Pestszentersebet, Hungary, a corporation of Hungary
Application October 10, 1931, Serial No. 568,104
In Germany October 13, 1930
5 Claims. (Cl. 23—148)



1. The process for producing zinc oxide which comprises charging metallic zinc into a vaporization chamber containing an atmosphere of hot gases substantially free of all constituents capable of reacting with or oxidizing the metallic zinc whereby the latter is vaporized, and effecting combustion of the evolved zinc vapors in a chamber contiguous to the said vaporization chamber.

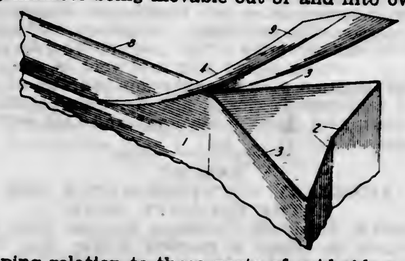
2,041,238
ATTACHMENT FOR PRINTING PRESSES
Dewey Fickes, Shippensburg, Pa., assignor to The Beistle Company, Shippensburg, Pa., a corporation of Pennsylvania
Application May 23, 1934, Serial No. 727,183
4 Claims. (Cl. 34—18)



1. A device for the purpose stated comprising a header, an end wall having its lower portion downwardly flared, the header and said end wall having central notches in their lower edges whereby they may be engaged over a bar of a printing press, burner tubes supported by the header and the end wall and in communication with the interior of the header, means for supplying fuel to the header, walls extending between the header and the end wall and alined with the side walls of the notches, and cover plates secured upon the upper edge of the header, the end wall and intermediate walls.

2,041,239
BAG CLOSURE
John A. Finegan, Kansas City, Mo., assignor to The Raymond Bag Company, Middletown, Ohio, a corporation of Ohio
Application January 19, 1935, Serial No. 2,484
2 Claims. (Cl. 229—62)

1. In a bag comprising side walls having their end portions arranged in flat contact one with the other to close the bag, a sealing member extending for the full width of said bag and having its lateral portions folded over the contacting end portions of said side walls, one end portion of said sealing member being movable out of and into overlapping relation to those parts of said side walls adjacent to the other lateral edge of said bag.

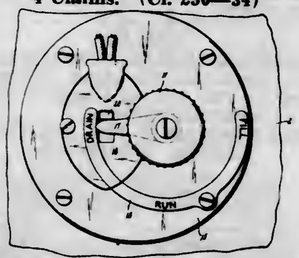


2,041,240
MEANS FOR TRIMMING LINOLEUM
Claus H. Gluesing, De Witt, Iowa
Application September 17, 1934, Serial No. 744,427
4 Claims. (Cl. 164—77)



3. Means for supporting sheet material in position to be cut comprising a track formed of sections disposed in end to end relation to each other and having alined longitudinally extending slots, supporting blocks extending transversely of said sections under meeting ends thereof, the block of one section being spaced inwardly from the said end thereof and the block of the other section having a portion projecting therefrom for engaging under the adjoining end of the first section and abutting the block of the first section, and a yoke carried by one block for engaging about the other block and holding the sections against movement longitudinally and transversely of each other.

2,041,241
FLUID COOLING SYSTEM
Edwin R. Goldfield, Cleveland Heights, Ohio, assignor to Waite & Bartlett X-Ray Manufacturing Company, Cleveland, Ohio, a corporation of New York
Application December 10, 1934, Serial No. 756,781
4 Claims. (Cl. 250—34)



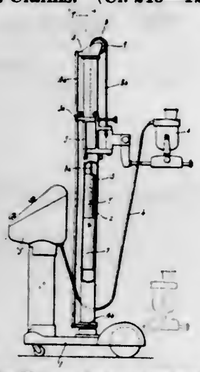
1. In a liquid cooling system for apparatus chambered for cooling, including a container for the cooling liquid, a pump served by said container, a delivery duct from said pump to said apparatus, a return duct from said apparatus to said container and arranged to discharge below the container liquid level, reversible motor means for reversibly driving said pump, and reversing switch means for said motor means, valve means, means providing a vent for said return duct by

way of said valve means at a point within said container and above said liquid level, and means interassociating said switch means and said valve means and providing a "fill" position wherein said pump operates ahead and said vent is open, a "run" position wherein said pump operates ahead and said vent is closed, and a "drain" position wherein said pump is reversed and said vent is open.

2,041,242
AUXILIARY COUNTERBALANCE FOR EXTRA CAPACITY HEAD

Edwin R. Goldfield, University Heights, Ohio, assignor to Waite & Bartlett X-Ray Mfg. Co., Inc., Cleveland, Ohio, a corporation of New York

Application August 27, 1935, Serial No. 38,075
2 Claims. (Cl. 248—123)

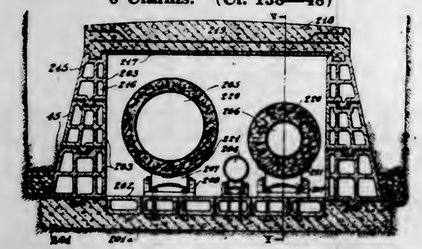


1. In mobile X-ray apparatus of the class described, and having upright post means and a carriage adjustable therealong, a head mounted on said carriage, weight means sufficient to counterbalance said carriage and head, sheave means at the upper end of said post means, and a line interconnecting said weight means and carriage and passing over said sheave means, said weight means having a longitudinally extending opening to clear said sheave, and the parts being so proportioned and arranged that when said carriage is in lowermost position said weight means will project substantially above said post means, but said carriage may be adjusted to an intermediate position wherein neither said carriage nor said weight means will project above said post means.

2,041,243
SUBTERRANEAN STRUCTURE

Christian Gottwald, Cleveland Heights, Ohio, assignor to The Ric-wil Company, Cleveland, Ohio, a corporation of Ohio

Application November 30, 1934, Serial No. 755,314
6 Claims. (Cl. 138—48)

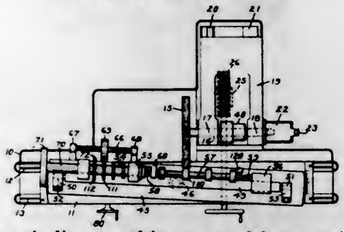


1. A built-up conduit consisting of a floor, a top, and sides, the sides comprising tile sections so constructed and arranged that the complete wall diverges outwardly from the top downwardly whereby a bracing effect is secured which tends to resist any lateral thrust to which the structure may be subjected.

2,041,244
CAM GRINDING APPARATUS

Clarence J. Green, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application March 11, 1935, Serial No. 10,366
12 Claims. (Cl. 51—101)

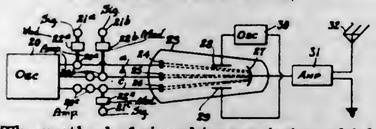


1. A grinding machine comprising a rotatable grinding wheel, means for rotatably supporting a multiple camshaft with its axis at an angle to the wheel axis, and means for moving the wheel and shaft longitudinally relative to each other and parallel with the wheel axis to position successive cams in operative relation with the grinding wheel and means for moving them relatively towards and from each other, so as to grind a predetermined taper on a plurality of cams thereon while in said angular relationship.

2,041,245
WAVE SIGNALING METHOD AND APPARATUS

Philip M. Haffcke, Dobbs Ferry, N. Y., assignor to Radio Research Laboratories, Inc., New York, N. Y., a corporation of Delaware

Original application October 25, 1932, Serial No. 639,442. Divided and this application November 18, 1933, Serial No. 698,603
9 Claims. (Cl. 179—15)



1. The method of signal transmission which includes the steps of generating a train of sustained high frequency waves, subjecting one portion of said train to a certain percentage modulation under control of a signal, subjecting another portion of said train to a different percentage modulation under control of a different signal, and subjecting each of said modulated portions respectively to a different degree of amplification.

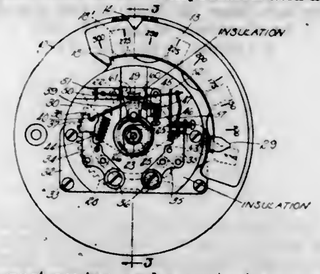
2,041,246
THERMOSTATIC SWITCH

George Hegeman Hart, West Hartford, Conn.

Application September 4, 1934, Serial No. 742,589
10 Claims. (Cl. 200—139)

1. A thermostatic switch comprising a thermostatic element arranged to angularly rotate a cam under the influence of temperature changes, a movable contact member actuated by said cam, an electrical contact on said contact member,

means resiliently urging the contact member towards the cam, a toggle spring supported at its opposite ends under compression and arranged

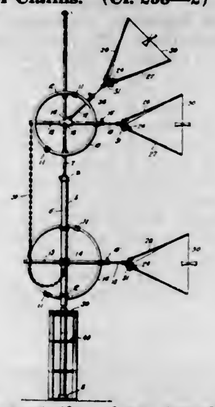


to snap past center, and a contact secured to the toggle spring engageable with said first contact to make and break an electrical connection therebetween.

2,041,247
APPARATUS FOR DELIVERING TRAIN ORDERS

Leonard John Hendrickson, Mansfield, Ill.

Application September 18, 1935, Serial No. 41,147
4 Claims. (Cl. 258—2)



1. Apparatus of the character described including a staff, a pair of spaced parallel guide hoops mounted on said staff, a supporting arm disposed between said hoops and pivotally mounted on said staff, a train order holder detachably connected with said arm, catches mounted in the peripheries of said hoops, and releasable latching means carried by said holder adapted to engage with said catches to hold said holder in operative position.

2,041,248
CONDENSATION PRODUCT AND PROCESS OF MAKING THE SAME

Almon G. Hovey, Detroit, Mich., assignor to Helmuth Reichhold, doing business as Reichhold Chemicals, Detroit, Mich.

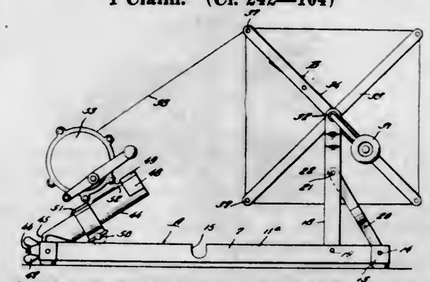
No Drawing. Application May 5, 1934, Serial No. 724,209
4 Claims. (Cl. 260—8)

1. A composition of matter comprising the condensation product of (1) an acid selected from a group consisting of short chain dibasic aliphatic acids such as succinic and maleic (2) a polydric alcohol and (3) one or more oils selected from a group consisting of non-drying oils, the ingredients being so combined and in such relative proportions as to produce a light colored, homogeneous, viscous plasticizer for nitrocellulose, soluble in toluol.

2,041,249
FOLDING FISHING LINE DRIER

Benjamin Johnson, New Suffolk, N. Y.

Application May 7, 1935, Serial No. 20,247
1 Claim. (Cl. 242—104)

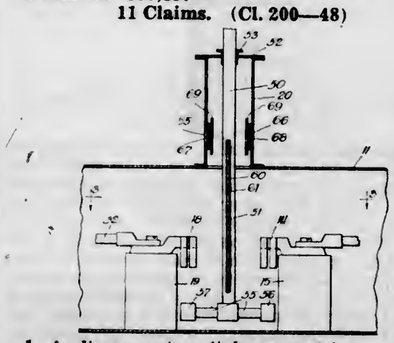


A reel of the character described comprising a base having upstanding side walls, a pair of uprights pivotally connected to the base, a shaft journalled through the said uprights and having actuating means at one end thereof, a pair of spoke forming cross members at each end of the shaft, one cross member at each end of the shaft being positively secured to the shaft, the other cross member being slidable and rotatable on the shaft, rungs between the ends of corresponding cross members, and means at the remaining end of the shaft whereby the adjacent slidable and rotatable cross member can be clamped against the adjacent fixed cross member, a pair of opposed side walls being provided with notches for receiving the end portions of the shaft.

2,041,250
SWITCH

Herman C. Kalwitz, Park Ridge, Ill.

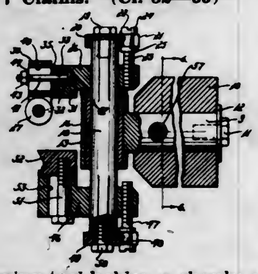
Refiled for forfeited application Serial No. 559,358, August 26, 1931. This application May 11, 1933, Serial No. 670,430
11 Claims. (Cl. 200—48)



1. A disconnect switch comprising a pair of terminals mounted in insulated relation, a housing for the switch enclosing said terminals, a connecting bar for the terminals, a supporting member for the bar, and a grounded barrier carried by the supporting member between the terminals, said disconnect switch housing having an extension into which the barrier moves when the switch is closed, said extension including a pair of aligned openings through which light may pass only when the barrier is in substan-

tially its full open position, said barrier in its other positions obstructing the light path between said openings.

2,041,251
SHAVING TOOL HOLDER
George Klein, Dearborn, Mich.
Application May 6, 1935, Serial No. 20,028
7 Claims. (Cl. 82—35)



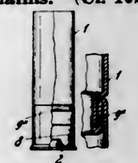
1. In a shaving tool holder, a shank; a head on one end of said shank; a supporting post slidably projected through said head; a tool bearing support mounted on the lower end of said post; means for moving said tool bearing support longitudinally of said post; a bracket mounted on the opposite end of said post and projecting radially outwardly therefrom; threaded means for adjusting the longitudinal position of said bracket relatively to said post; a roller bearing block; means for mounting said block on said bracket adapted for vertical and horizontal movement thereon; and means for locking said roller bearing block in fixed relation to said bracket.

2,041,252
CLOSURE DEVICE
Guy Leonard, Baltimore, Md.
Application March 2, 1934, Serial No. 713,725
3 Claims. (Cl. 221—60)



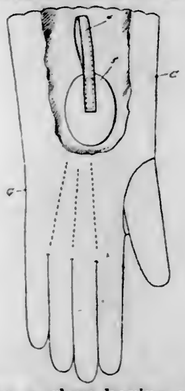
1. The combination with a collapsible tube having a reduced neck provided with an axial bore, diametrically disposed lugs projecting outwardly from said neck, the outer extremity of the neck being of smooth arcuate contour, the center of the arc being in the same plane as said lugs, the longitudinal median line of said smooth arcuate portion being in the same plane as a transverse diameter of said neck crossing midway between said lugs, a closure member having its under face provided with an arcuate portion of relatively small area and complemental to the curvature of the extremity of said neck, and slidably engaging the surface of the latter, and spaced apart resilient arms carried by said closure member and lying close to said neck, said arms having removable pivotal engagement with said lugs, said arms and the complemental portions of the cap and the neck being so constructed and arranged as to provide sufficient friction to maintain said cap in any adjusted position within the range of its pivotal movement.

2,041,253
CARTRIDGE SHELL
Emil Leussler, Nuremberg, Germany
Application May 13, 1935, Serial No. 21,255
In Germany March 15, 1934
3 Claims. (Cl. 102—16)



1. A cartridge shell formed from a single piece of metal and having a reinforced bottom, and a cylindrical wall reinforced along the portion defining a powder chamber, said cylindrical wall adjacent the upper end of said powder chamber being deflected inwardly to form a fold and said fold being bent over in contact with the wall to define a shoulder on the inner surface of said cylindrical wall, thereby forming a seat for the disk separating the powder chamber from the shot chamber.

2,041,254
GLOVE
Anna Lipshutz, Paterson, N. J.
Application February 28, 1935, Serial No. 8,730
1 Claim. (Cl. 2—160)

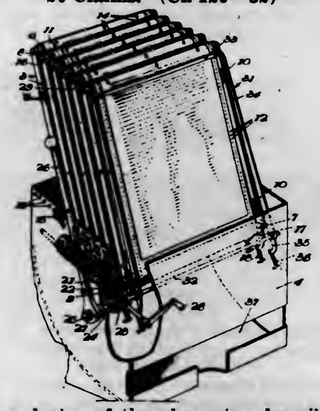


In combination, a glove having a cuff portion, an attaching piece of flexible material adhesively united at one side thereof with the cuff of the glove internally of the glove and at the palm side of the glove, and a flexible finger accommodating loop secured at one end to said piece, said finger accommodating loop being concealed wholly within the cuff of the glove and extending from said piece in a longitudinal direction toward the edge of the cuff.

2,041,255
METHOD OF ROLLING METAL
Edgar Marburg, Vandergrift, Pa., assignor to American Sheet and Tin Plate Company, a corporation of New Jersey
No Drawing. Application November 21, 1934, Serial No. 754,183
5 Claims. (Cl. 29—19)

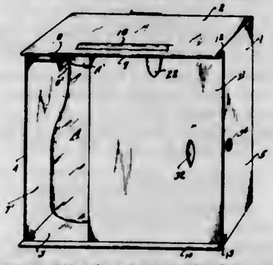
5. The method of rolling hot packs of chromium-bearing metallic sheets which includes adhering adjacent surfaces of the sheets of said packs, and then rolling said packs whereby the relative movement of said sheets is prevented.

2,041,256
TABULATING OR ACCOUNTING MACHINE
Ralph D. McCormack, Washington, D. C.
Application April 8, 1935, Serial No. 15,321
20 Claims. (Cl. 120—32)



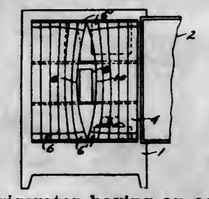
1. In a device of the character described, the combination of a plurality of like units each adapted to carry one or more data bearing sheets the entries of which are to be combined with the corresponding entries of the sheets carried by the other units, each of said units including an endless belt, means for temporarily securing one or more sheets to said belt, a belt driving element around which said belt passes adjacent one end of the unit and a guide element adjacent the other end of the unit around which the belt also passes, means for actuating the belt driving elements of all of said units in unison, means for mounting said units in closely spaced, substantially parallel relation on axes adjacent the lower ends thereof, each of said units being movable about its axis, and means for maintaining said units in any one of a plurality of angular positions about said axes.

2,041,257
MILK BOTTLE HOLDER AND LOCKBOX
John H. McManus, Salem, Oreg.
Application March 26, 1935, Serial No. 13,059
5 Claims. (Cl. 232—41)



1. A milk bottle holder embodying a box like structure open at the front and divided into compartments, means in each compartment for suspending a milk bottle by its lip flange, a slidable door movable before one or the other of the compartments, a latching arrangement secured to the inner side of the door, said latching arrangement securing the door against opening to a compartment containing a bottle when the other compartment is empty and releasing the door when engaged by a bottle placed in the empty compartment.

2,041,258
AIR RETAINING MEANS FOR REFRIGERATORS
Charles B. Mitchell, San Antonio, Tex.
Application October 25, 1934, Serial No. 750,028
14 Claims. (Cl. 156—10)



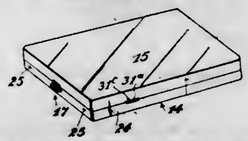
1. In a refrigerator having an egress opening, in combination, an air retaining means comprising a plurality of relatively long narrow strips of air impervious material, and means to secure said strips to the refrigerator adjacent said opening in edge-to-edge relation to provide a means to retain air within the refrigerator.

2,041,259
VANITY CASE
Simon Morrison, New York, N. Y.
Application January 17, 1935, Serial No. 2,149
12 Claims. (Cl. 132—82)



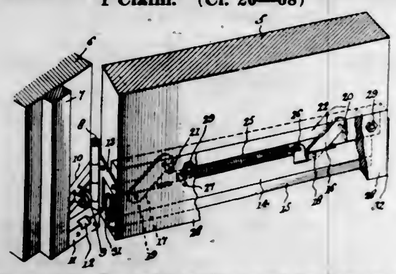
1. A vanity case comprising: a powder compartment having an apertured plate through which access to the compartment may be had; a shutter blade pivoted to the plate to swing over the aperture, the plate and blade being provided with angularly related intersecting slots; a pin extending through both of said slots; and means to move the pin and thereby oscillate the shutter blade.

2,041,260
VANITY CASE
Simon Morrison, New York, N. Y.
Application January 17, 1935, Serial No. 2,150
8 Claims. (Cl. 132—82)



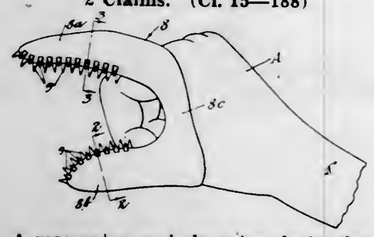
1. A vanity case comprising: a powder compartment having a top and a plate beneath the top, the top and plate being provided with aligned apertures through which access to the compartment may be had and the plate being additionally provided with operating slots; a pair of shutter blades between said top and said plate, each of said blades being slidable to and fro edgewise of itself to cover and uncover one half of the area of the aligned apertures; and means to impart sliding movement to one of the blades in response to opposite sliding movement of the other blade, said means comprising blade connecting means and pins extending into said operating slots in said plate.

2,041,261
WEATHER STRIPPING FOR DOORS
Morris E. Muse, Sherburne, La.
Application August 14, 1935, Serial No. 36,194
1 Claim. (Cl. 20—68)



In combination with a door and its frame, said door having a rabbeted portion in its lower edge, a filler strip disposed in said rabbeted portion, said door having a channel opening through the lower edge thereof, a U-shaped bar in said channel, weather stripping carried by the bar, said bar having a pair of spaced apart slots opening through the bight thereof, a pair of links each having an end disposed in a slot, means for pivotally securing the links to the bar, means for pivotally securing the links to the door, a strike plate secured to the door and closing one end of the channel, a T-shaped head plate secured to the end of the bar opposite from said strike plate, a roller secured to the door frame and adapted to engage the head plate when the door is closed, a contractile spring secured to the bar and the door and constantly urging the bar to inoperative position within the channel, and a yieldable block fixed to the door frame beneath said roller and closing the space between the adjacent end of the bar and weather strip and the door frame.

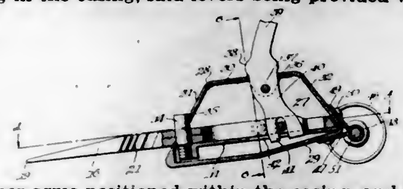
2,041,262
MASSAGING AND CLEANSING DEVICE FOR TEETH AND GUMS
Elmer L. Ness, Minneapolis, Minn.
Application September 23, 1933, Serial No. 690,683
2 Claims. (Cl. 15—188)



1. A massaging and cleansing device for teeth and gums, comprising a finger stall of flexible material and a multiplicity of outwardly extending flexible projections applied to said stall, said projections being in the shape of irregular triangular pyramids having their sharpest peaked edges disposed transversely of a longitudinal axis of said stall.

2,041,263
WEED PULLER
Maximilian Nirdlinger, Pittsburgh, Pa.
Application October 25, 1934, Serial No. 750,000
17 Claims. (Cl. 254—132)

7. In a weed puller, a casing adapted to be moved over the ground and provided with an opening, a pair of levers mounted in said casing and pivoted between their ends to provide outer weed engaging jaws projecting through the opening in the casing, said levers being provided with



inner arms positioned within the casing, and jaw actuating means including an operating cam freely slidable into and out of engagement with said inner arms and guided in its movement by the walls of said casing.

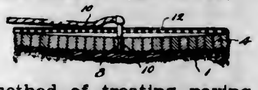
2,041,264
EMULSION
Walter Collins O'Kane, Durham, N. H.
No Drawing. Application December 7, 1931, Serial No. 579,663
2 Claims. (Cl. 167—30)

1. As an insectifuge, an emulsion of a dialkylphthalate in water carrying a small amount of soap as emulsifying agent, in proportions to give the emulsion a cream like consistency comparable in consistency with cold creams and vanishing creams but distinguished therefrom by the fact that the dialkylphthalate is the base of the emulsion.

2,041,265
ACYLATED POLYPEPTIDES
Ludwig Orthner, Leverkusen-I. G. Werk, and Georg Meyer, Cologne-Mulheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application March 24, 1934, Serial No. 717,286. In Germany March 24, 1933
13 Claims. (Cl. 260—9)

1. A mixture of polypeptides containing from 1 to 5 peptide groups, said peptides being acylated with organic acid radicals selected from the group consisting of carboxylic acid radicals containing at least 8 carbon atoms, sulfonic acid radicals, sulfaminic acid radicals, and the radicals of acid organic derivatives of carbonic acid.

2,041,266
METHOD AND APPARATUS FOR TREATING SUNKEN COMPOSITE PAVEMENTS
John W. Poulter, Mount Pleasant, Iowa, assignor to National Equipment Corporation, Milwaukee, Wis., a corporation
Application October 2, 1933, Serial No. 691,881
23 Claims. (Cl. 94—39)

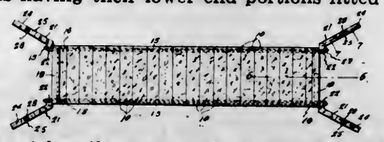


1. The method of treating paving constructions, which includes the step of forcing under the pavement a filling material in fluid form while vibrating the pavement until the construction is elevated to the desired level.

2,041,267
KNOCK-DOWN CULVERT
Adolph Carl Schroeder, Jr., Yorktown, Tex.
Application September 3, 1935, Serial No. 39,054
3 Claims. (Cl. 61—16)

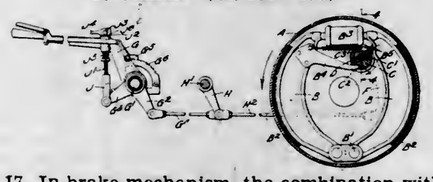
1. A culvert construction of the class described comprising end supports, a pair of spaced parallel

supporting and connecting rods fastened to said end supports, a sectional culvert bottom made up of a plurality of abutting horizontally disposed slabs, said slabs being seated transversely on said rods, the opposite ends of the upper sides of said bottom slabs being notched, spaced parallel side walls having their lower end portions fitted into



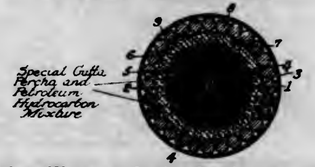
said notches, the upper ends of said side walls being formed with grooves defining channels, a top wall comprising a plurality of abutting horizontally disposed slabs, the opposite ends of the undersides of said top slabs being notched to receive the grooved upper ends of said side walls, and tie rods located in said channels and connected to said end supports.

2,041,268
BRAKE MECHANISM
Charles William Sewell, London, England, assignor to D. Napier & Son Limited, London, England, a registered company of Great Britain
Application June 15, 1933, Serial No. 676,003
In Great Britain May 15, 1933
17 Claims. (Cl. 188—196)



17. In brake mechanism, the combination with a brake of adjusting mechanism, spacing mechanism in series therewith having "normal" and "adjusting" positions and so constructed and arranged that when moved from its normal to its adjusting position it tightens the brake by a predetermined amount corresponding to the clearance desired for the brake when released, and vice versa, and an operating member capable of an adjusting movement to operate the adjusting mechanism and of a spacing movement, which moves the spacing mechanism to its adjusting position and retains it therein irrespective of the adjusting movement to tighten or slacken the brake.

2,041,269
INSULATED ELECTRICAL CONDUCTOR
Willoughby Statham Smith, Benchams, Newton Poppleford, Henry Joseph Garnett, Lymne, Solefields, Sevenoaks, and John Norman Dean, Orpington, England
Original application December 1, 1930, Serial No. 499,406. Divided and this application October 11, 1933, Serial No. 693,216. In Great Britain and Irish Free State December 6, 1929
8 Claims. (Cl. 173—264)



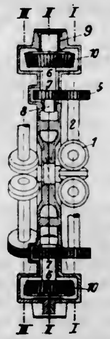
5. A signalling conductor having an insulation comprising gutta percha of low resin content with which is intimately admixed not less than 15% of petroleum jelly which mixture has been heat-treated to prevent sweating.

2,041,270
TUBE AND METHOD OF MANUFACTURING THE SAME
Herbert St. Laurent, Hastings upon Hudson, N. Y., assignor to Radio Research Laboratories, Inc., New York, N. Y., a corporation of Delaware
Application October 23, 1933, Serial No. 694,738
2 Claims. (Cl. 250—27.5)



1. A tube comprising an insulator, a plurality of closed concentric electrodes mounted on said insulator and forming an electron seal with said insulator, a plurality of leads connected to said electrodes and projecting through said insulator, a stem, and an electron-proof seal between said stem and said insulator formed by molding said stem to said insulator.

2,041,271
ROLLING MILL
Heinrich Stüting, Witten-on-the-Ruhr, Germany
Application May 18, 1934, Serial No. 726,378
In Germany April 4, 1933
3 Claims. (Cl. 80—11)

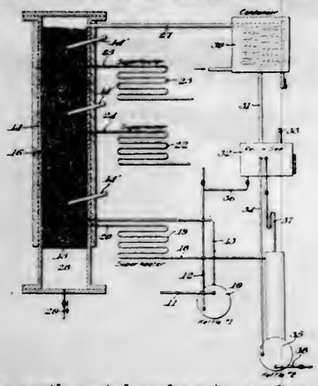


1. A rolling mill comprising a thin frame body, a set of rollers arranged on each side of the frame body, supporting shafts for the rollers journalled on the respective outer side faces of the body, a circular series of intermeshing toothed wheels journalled adjacent the periphery of the body, and means located within the circle defined by the wheels for transmitting rotary motion from the wheels to the shafts.

2,041,272
MANUFACTURE OF GLYCOLS
René de M. Taveau, Newburgh, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application August 11, 1934, Serial No. 739,439
7 Claims. (Cl. 260—156.5)

1. In the manufacture of a glycol by saponifying an alkyl dihalide in the presence of a water

insoluble metal carbonate, the continuous process which comprises passing a mixture of alkyl dihalide vapor and steam at an elevated temperature above 150° C. but below the normal boiling point of formed glycol through a mass of metal carbonate selected from the group consisting of



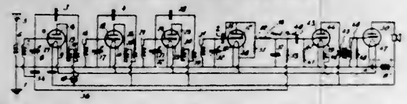
alkaline earth metal carbonates and magnesium carbonate, introducing excess superheated steam into the reaction zone containing metal carbonate to distil over glycol at a temperature below the normal boiling point thereof, and separating glycol from the vapors withdrawn from the reaction zone.

2,041,273
AMPLIFIER VOLUME CONTROL

Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware

Original application July 7, 1927, Serial No. 203,879. Divided and this application August 27, 1932, Serial No. 630,739. Renewed June 27, 1935. In Great Britain July 3, 1928

12 Claims. (Cl. 250—20)



1. An audion amplifier including an audion for signal wave amplification, an output circuit, and means limiting fluctuations in said output circuit due to variations in the strength of an incoming signal, said means comprising a diode rectifier for incoming signal energy, and means for impressing upon the grid of said audion a direct current bias voltage derived from said rectifier, said rectifier being of the type having approximately linear relation between direct current output and radio frequency input.

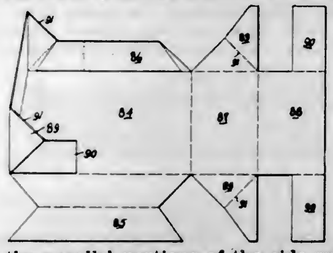
2,041,274
CONTAINER

Samuel A. Wood, Baldwin, and Frank D. Jonas, East Williston, N. Y., assignors to Oxford Filing Supply Co., New York, N. Y., a partnership composed of Richard A. Jonas, Richard A. Jonas, Jr., Robert P. Jonas, Frank D. Jonas, and Edward F. Jonas

Application August 21, 1934, Serial No. 740,758

10 Claims. (Cl. 229—34)

1. A container of the type described folded from a single piece of material, comprising a bottom wall and end and side walls of double thickness formed by folding the material thereof into parallel overlying portions whereby all the top edges of the container are finished, the side walls being lower than the end walls and the end walls having integral extensions lying be-



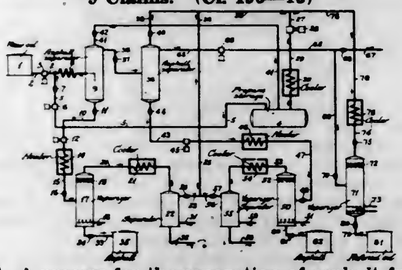
tween the parallel portions of the side walls and defined by an edge which extends from the level of the side walls to the upper edges of the end walls, the extensions ' .ng formed by flaps one enfolding the other.

2,041,275
METHOD FOR TREATING OILS

Ulric B. Bray, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

Application May 23, 1933, Serial No. 672,432

9 Claims. (Cl. 196—13)



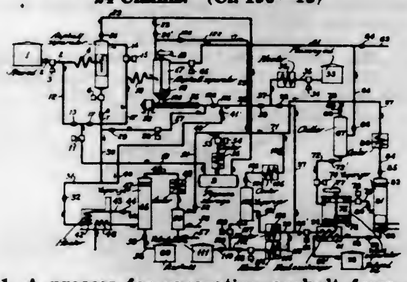
1. A process for the separation of asphalt from oil which comprises commingling said oil with a liquefied normally gaseous hydrocarbon solvent to precipitate asphalt, removing the precipitated asphalt from the oil and solvent, chilling the oil and solvent to precipitate a further quantity of asphalt and removing said second precipitated asphalt from the oil and solvent.

2,041,276
METHOD FOR TREATING OILS

Ulric B. Bray, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

Application August 1, 1933, Serial No. 683,187

24 Claims. (Cl. 196—13)



1. A process for separating asphalt from oils containing the same which comprises mixing said oil with a liquefied normally gaseous hydrocarbon solvent to precipitate asphalt, separating said precipitated asphalt from the oil solvent solution and precipitating further quantities of asphalt from said oil solvent solution at a lower temperature, said temperature being insufficient to precipitate substantial quantities of wax.

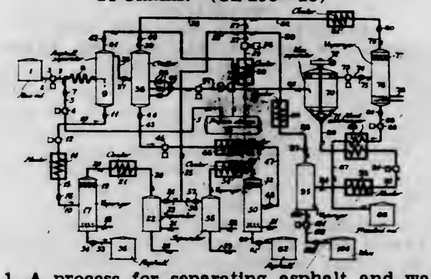
2,041,277
METHOD FOR TREATING OILS

Ulric B. Bray, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

Application May 23, 1933, Serial No. 672,433

Renewed March 26, 1935

14 Claims. (Cl. 196—13)



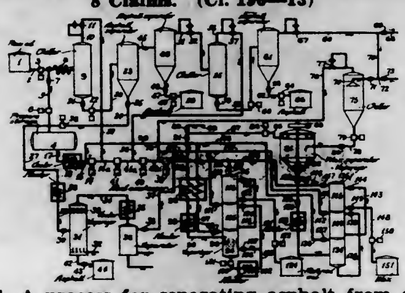
1. A process for separating asphalt and wax from oil containing the same which comprises mixing said oil with liquefied normally gaseous hydrocarbon solvent, chilling the oil and solvent to precipitate asphalt at low temperature and to precipitate wax in the supernatant solution of oil and solvent, withdrawing the precipitated asphalt from the supernatant solution of oil, solvent and precipitated wax and separating the precipitated wax from the oil and solvent.

2,041,278
PROCESS FOR TREATING OILS

Blair G. Aldridge, Los Angeles, and Basil Hopper, Compton, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California

Application June 13, 1933, Serial No. 675,594

8 Claims. (Cl. 196—13)



1. A process for separating asphalt from oils containing the same which comprises mixing said oil with a liquefied normally gaseous hydrocarbon solvent to precipitate asphalt, separating the relatively hard precipitated asphalt from the remaining relatively soft asphalt, oil and solvent in one stage and separating the relatively soft precipitated asphalt from the oil and solvent in a second stage, said stages being maintained at substantially the same non-elevated and non-dewaxing temperatures.

3. A process for separating asphalt from oils containing the same which comprises mixing said oil with a liquefied normally gaseous hydrocarbon solvent under superatmospheric pressure to precipitate asphalt, separating relatively hard precipitated asphalt from the remaining relatively soft asphalt, oil and solvent in one stage and separating the relatively soft precipitated asphalt from the oil and solvent in a second stage, said stages being maintained at substantially the same non-elevated and non-dewaxing temperatures and at substantially the same superatmospheric pressure.

2,041,279
ASPHALTIC COMPOSITION

Ulric B. Bray, Palos Verdes Estates, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

No Drawing. Original application April 13, 1934, Serial No. 720,488. Divided and this application October 29, 1935, Serial No. 47,319

5 Claims. (Cl. 106—31)

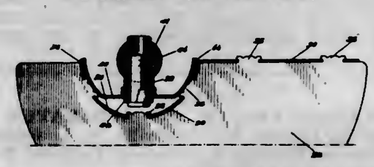
1. A process for producing an asphaltic composition adapted for paving roads and the like and containing an oil continuous type bituminous emulsion which comprises mixing heated aggregate and liquefied asphalt to coat said aggregate with asphalt, mixing said coated aggregate with a solution of water containing an emulsifying agent, evaporating a portion of said water whereby a film of water is disposed intermediate the particles of asphalt coated aggregate.

2,041,280
CONDENSER

Morris H. Bennett, Prospect, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut

Application August 30, 1934, Serial No. 742,059

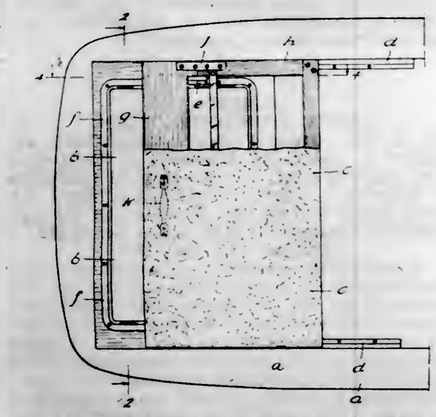
4 Claims. (Cl. 175—41.5)



1. In a condenser, and in combination, a rotor unit comprising a plurality of rotor plates, a tie bar to which the several rotor plates are rigidly secured, a rotor drive shaft, an assembly plate secured in fixed integral metallic relation to said tie bar, an insulating washer between the shaft and said assembly plate, a second insulating washer on the opposite side of the assembly plate, the assembly plate having an opening and the shaft having a diametrical bore in line with said washers, and a rivet passing through said bore, opening and washers and headed over at its ends to secure the shaft and assembly plate together in rigid and insulated connection.

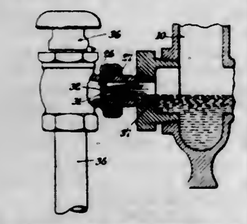
4. The herein described method of assembling the parts of a condenser in permanent adjusted relation which comprises rigidly and permanently securing the stator plates in a frame, rigidly and permanently securing the rotor plates to a tie bar, interleaving the rotor plates with the stator plates, inserting temporary spacing members between the two sets of plates to effect predetermined spacing, mounting the shaft in the frame and confining it against axial movement, and, while the temporary spacing members are still in place, rigidly and permanently securing the shaft to the tie bar.

2,041,281
SLIDING ROOF FOR VEHICLES
William Henry Bishop, Birmingham, England, assignor to Weathershields Limited, Birmingham, England
Application October 8, 1934, Serial No. 747,348
In Great Britain April 12, 1934
4 Claims. (Cl. 296—137)



1. An opening roof for vehicles, comprising an opening in the roof, a longitudinally and horizontally slidable panel for covering said opening, fixed means for guiding said panel in its sliding movement and for permitting a limited vertical movement of said panel, spring means resisting vertical movement of the panel in one direction, and locking means embodying a detent and socket for positively holding said panel in any one of several, longitudinal positions against movement in its plane, said locking means being engaged and disengaged by vertical movement of the panel against the action of the spring means.

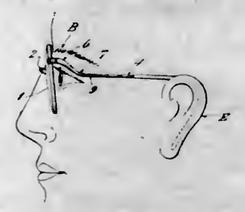
2,041,282
HEATING SYSTEM AND APPARATUS
Samuel M. Brooks, Merchantville, N. J., assignor to Warren Webster & Company, Camden, N. J., a corporation of New Jersey
Application May 2, 1935, Serial No. 19,357
9 Claims. (Cl. 237—67)



7. In a steam heating system, a radiator, a conduit for supplying steam thereto through an inlet in the lower portion of said radiator, and movable means in said conduit adjacent said inlet and having a steam admitting aperture and movable to provide a lower condensate aperture when the steam pressure is diminished.

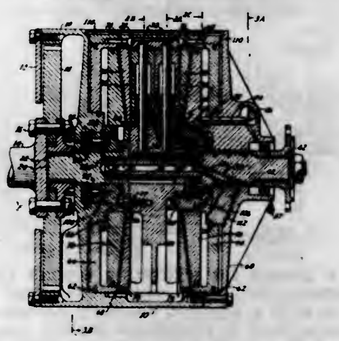
8. The method of supplying steam to a group of radiators connected by a conduit system, to a common source of steam supply, and of returning the condensate from the radiators, which comprises supplying steam from said source intermittently, restricting the flow of steam through the conduits to each of the radiators whereby substantial quantities of steam are supplied substantially concurrently to the various radiators in proportion to the predetermined steam requirements for each, and rapidly withdrawing at least the larger portion of the condensate from the radiators through said conduit system during intervals when the intermittent supply of steam is cut off or diminished, by utilizing the variations in the steam pressure to open and close exit openings for the condensate at or adjacent the radiators.

2,041,283
SPECTACLE
Oswald B. Carson, Scarsdale, N. Y.
Application April 20, 1935, Serial No. 17,430
1 Claim. (Cl. 88—52)



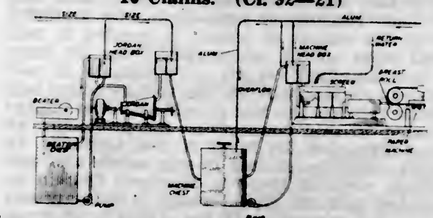
A spectacle mounting comprising an end-piece and a temple connected together hingedly at the lens margin above the horizontal lens-centre line, said temple being formed with a curve extending gradually downwardly and rearwardly from the hinge in substantial conformity with the orbital curvature, whereby the field of useful side vision is unobstructed, then merging gradually into a straight shank portion extending in a horizontal line to the wearer's ear, and terminating in a retaining portion.

2,041,284
TRANSMISSION
Roland Chilton, Ridgewood, N. J.
Application September 17, 1935, Serial No. 40,920
11 Claims. (Cl. 74—281)



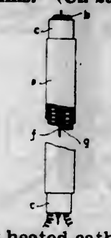
1. In a transmission, in combination, an annular disc to be distorted, hydraulic cylinder and piston means respectively engaging peripheries of said disc, a manually operable valve to control the volume of hydraulic fluid in said means, a housing cylinder cooperating with said means, and a torque-responsive device regulating the hydraulic pressure in said housing cylinder.

2,041,285
PAPER SIZING
Judson A. De Cew, Mount Vernon, N. Y.
Application September 28, 1933, Serial No. 691,420
10 Claims. (Cl. 92—21)



1. A method of sizing paper which comprises mixing a stream of size with a stream of non-alkaline pulp fibers; and before the fibers can absorb the alkali from the size, discharging the mixture into a chest containing pulp, precipitated size, and alum, while additional alum is continuously added to said chest.

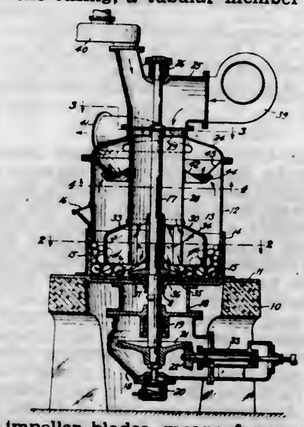
2,041,286
INDIRECTLY HEATED CATHODE
Bernhard Erber and Margarethe Furcht, Vienna, and Ferdinand Gantner, Modling, Austria, assignors to the firm Gustav Ganz & Co., Vienna, Austria
Application October 29, 1930, Serial No. 492,020
In Austria July 3, 1930
13 Claims. (Cl. 250—27.5)



1. An indirectly heated cathode for electric discharge tubes, comprising in combination a cathode surface consisting of an auxiliary heater adapted to be heated while aging the cathode, a coating of an emitting medium applied to a part of said cathode surface, a heater within said surface adapted to be connected directly with ordinary electric supply means and consisting of a plurality of helically wound metal filaments having a diameter substantially less than 0.1 mm., said filaments being interconnected in series and being closely adjacent to each other, and heat-transmitting insulation interposed between said cathode surface and said heater and between adjacent filaments.

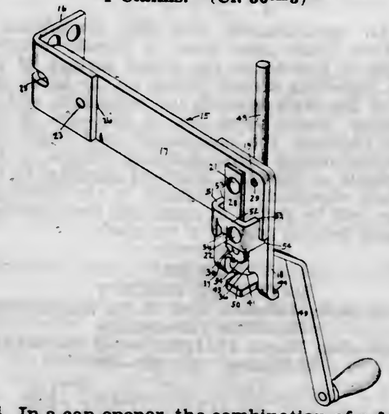
2,041,287
BALL MILL PULVERIZER
Martin Frisch, New York, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application October 20, 1931, Serial No. 569,919
8 Claims. (Cl. 83—9)

1. A ball mill pulverizer comprising a stationary, substantially cylindrical, casing having a grinding zone in the lower portion thereof, a plurality of balls in the casing, an impeller mounted in the casing for rotation about a substantially vertical axis, means for rotating said impeller, said impeller having a plurality of blades disposed in said grinding zone, said blades being arranged and disposed in the casing so that the clearance between the lowermost and the outermost portions of the blades and the bottom and side walls respectively of the casing is slightly greater than the diameter of the largest balls in the casing, said impeller blades being hollow and having an outlet opening adjacent the bottom of the casing, a tubular member connected



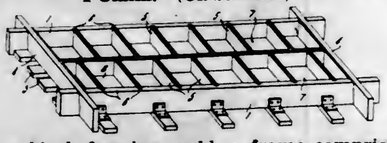
to the impeller blades, means for supplying air and material to be pulverized to said tubular member for introduction into the grinding zone of the casing through the hollow impeller blades, an outlet for the casing and a plurality of spaced plates disposed in the casing between the grinding zone and the outlet for classifying the pulverized material.

2,041,288
CAN OPENER
Harry V. Gould, Bridgeport, Conn.
Application June 17, 1933, Serial No. 676,305
4 Claims. (Cl. 30—3)



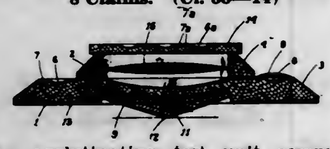
4. In a can opener, the combination of a frame including a vertical arm having an elongated slot; a blade cutter secured to the frame; a traction wheel; and means for moving the traction wheel in said elongated slot toward and from said cutter blade, said vertical arm having at its lower end a right-angle bend forming a double tongue, one of said tongues serving to locate the can relative to the cutter and traction wheel, and the other forming a shelf upon which the means for moving the traction wheel may work to shift the traction wheel relative to the cutter.

2,041,289
BLOCK MOLD
Louis F. Hewett, Brooklyn, N. Y., assignor to Ultimite Paving Block Corporation of America, New York, N. Y., a corporation of New York
Application August 20, 1935, Serial No. 36,976
1 Claim. (Cl. 25—121)



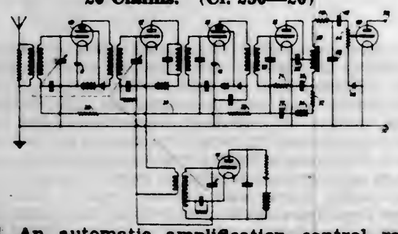
In a block-forming mold, a frame comprising two side walls hinged to swing outwardly, end walls extending across said side walls and cooperating therewith to maintain said side walls in vertical position, a plurality of substantially U-shaped mold forms disposed in parallel longitudinal rows within said frame, the forms comprising one row having the web portions thereof in abutting contact with the web portions of the other row, said web portions being disposed along the longitudinal center line of said frame, and the leg portion of said forms extending outwardly to contact said side walls, and a plurality of half size mold forms so disposed in said frame that the molds comprising one row of forms are in staggered relationship to the molds comprising the other row of said forms.

2,041,290
AGGLUTINATING TEST PLATE
William Peter Jackson, Chico, Calif.
Application January 12, 1935, Serial No. 1,540
8 Claims. (Cl. 88—14)



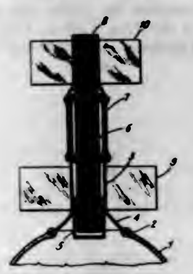
1. An agglutinating test unit comprising a relatively thick glass plate, a circular concave receptacle formed in the upper surface of the plate, reflecting means formed on the lower surface of the plate beneath the receptacle, and an upwardly facing bevel cut in the edge of the plate adjacent the receptacle; said bevel and reflecting means being disposed relative to the receptacle so that the image of material in the concave receptacle as created in the reflecting means will be visible in magnified form through the said beveled portion of the plate.

2,041,291
DETECTOR CIRCUIT
John Kelly Johnson, Rye, N. Y., assignor to Hazeltine Corporation
Application March 31, 1932, Serial No. 602,219
20 Claims. (Cl. 250—20)



1. An automatic amplification control radio receiver circuit, which comprises a detector circuit including a variable mu vacuum tube having cathode, grid, and anode, a tuned input circuit connected to said grid, a grid-leak resistor connected between said cathode and said tuned input circuit, and a condenser in shunt with said grid-leak resistor, a radio-frequency amplifier circuit the output of which is coupled to said tuned input circuit, connections from the input of said amplifier circuit to terminals of said grid-leak resistor, whereby the voltage across said resistor controls the bias of said amplifier, means included in said connections for producing an initial bias upon the input of said amplifier, an output circuit connected to said anode and said cathode, whereby there is developed therein an amplified detected signal which is substantially undistorted regardless of the strength of signal input, and an audio-frequency amplifier coupled to said output for further amplifying said signal.

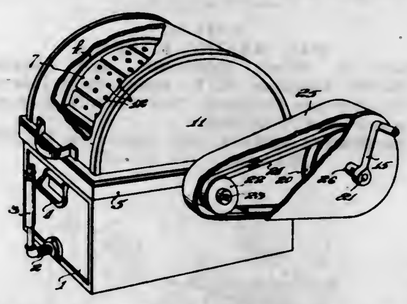
2,041,292
ELECTRON DISCHARGE DEVICE
Heinrich Kniepkamp, Berlin-Pankow, Germany, assignor to Siemens & Halske Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Application February 9, 1935, Serial No. 5,702
In Germany July 24, 1933
6 Claims. (Cl. 250—27.5)



1. A lead-in and support for an electron discharge device having an evacuated envelope and comprising a metallic cup-shaped cap, a tubular member of insulating material sealed at one end to the open end of said metallic cap, a metallic tube sealed to the other end of said tubular member and having a flared end sealed to the envelope of the electron discharge device, an electrode positioned within and supported by said cap and extending thru said tubular member and thru but out of contact with said metallic tube into the envelope, and a metallic sheath secured to said metallic tube and closely surrounding but out of contact with the end of said electrode extending into the envelope.

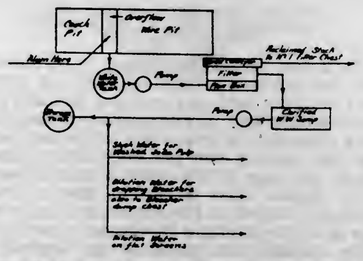
2,041,293
WASHING MACHINE
Austin E. Koon, Gainesville, Tex.
Application January 8, 1935, Serial No. 854
1 Claim. (Cl. 68—18)

The combination in a washing, extracting and drying machine, a receptacle having a liquid inlet and a hood, a perforated, cylindrical material retaining housing disposed in said receptacle and having bearing spindles rotatably mounted in the ends of said receptacle, said housing being provided with a hinged section to admit material for processing, a series of inwardly directed transverse ribs in said cylindrical housing, a flanged member arranged to be detachably mounted in said cylinder and having radial walls to divide the same into a predetermined number of sector shaped compartments and whose radial members are formed at their ends to be detachably connected to certain of the ribs of said cylindrical housing, a pulley carried by one of the



spindles of said housing, a second and larger pulley spaced from said first pulley, a belt surrounding said pulleys and means to rotate either pulley.

2,041,294
METHOD OF MAKING PAPER
Frank J. Lang, Niagara Falls, N. Y., assignor to International Paper Company, New York, N. Y., a corporation of New York
Application May 8, 1934, Serial No. 724,536
9 Claims. (Cl. 92—21)



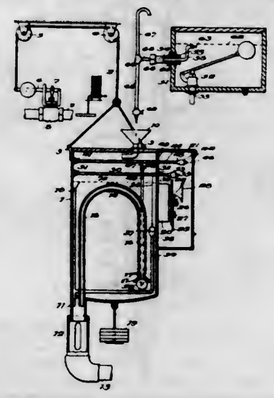
1. In the method of making paper containing a filler which is normally reactive with acidic material and wherein white water is filtered to recover stock therefrom, the steps of returning reclaimed stock to the beaters, and adding alum to the clarified white water which is thereafter returned to the system prior to the beaters.

2,041,295
FUSE PLUG
Louis Ludwig, Brooklyn, N. Y.
Application March 23, 1935, Serial No. 12,661
1 Claim. (Cl. 200—121)



The combination with a fuse plug of the type comprising a one-piece body member made of insulating material and having an interior recess covered with a transparent disc, a threaded metal shell secured on the outside and a metal contact secured in the bottom; of a fusible metal strip contained in the recess and connecting the metal shell with the center contact and having a part bent up adjacent to the transparent disc, a disc of non-conducing material having two oppositely-disposed tongues sheared substantially in its center, said disc foldable so that said tongues may be straddled over the fusible strip after this has been permanently secured in the recess and straightened again so as to place the tongues under said strip to form shallow pockets on both sides thereof, said disc clamped between the end of the body member and the transparent disc, and the fusible strip having a weakened portion contained within said pockets.

2,041,296
STEAM CONTROL APPARATUS
Gilmore Mason, Yonkers, N. Y., assignor of one-half to Lyle A. Hall, Scarsdale, N. Y.
Original application October 3, 1934, Serial No. 746,698. Divided and this application December 29, 1934, Serial No. 759,789
10 Claims. (Cl. 137—145)



1. Apparatus for opening and closing a valve which comprises a reservoir tank suspended against a counter opposed control valve, means for constantly and uniformly admitting water to the tank to fill it, and automatic time means for draining the tank to keep the valve closed and for causing the tank to become filled to open the valve.

2,041,297
PROCESS FOR MAKING METALLIC-COATED MEMBRANE
Robson S. Moore, Great Neck, N. Y., assignor to Columbia Ribbon & Carbon Manufacturing Company, Glen Cove, N. Y.
No Drawing. Application June 18, 1935, Serial No. 27,185
2 Claims. (Cl. 91—70)

1. The process of coating a membrane with a coating containing a metallic powder which consists in applying to the surface of the membrane a substance capable of melting to a liquid of low viscosity, applying thereupon a second coating containing metallic powder, and subjecting the composite membrane to a temperature sufficient to reduce the substance of the first coating to a liquid whereby the scales of metal constituting the metallic powder may settle into orderly arrangement in said liquid to produce a metallic coating of high luster.

2,041,298

INSECTICIDE MATERIAL AND PROCESS OF MAKING THE SAME

Warren Moore, Richmond, Va., assignor to Tobacco By-Products and Chemical Corporation, Louisville, Ky., a corporation of Delaware

No Drawing. Application December 28, 1932, Serial No. 649,149
9 Claims. (Cl. 167—31)

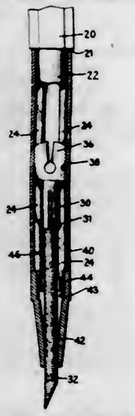
1. An insecticide comprising the reaction products of an alkaloid toxic to insects, a dihydroxybenzene and an aldehyde, said insecticide being substantially insoluble in water.

2,041,299

BIFURCATED DRAWING INSTRUMENT

Eduard Neumayer, Pfronten-Ried, Germany, assignor to Keuffel & Esser Co., Hoboken, N. J., a corporation of New Jersey

Application December 9, 1933, Serial No. 701,578
In Germany January 13, 1933
2 Claims. (Cl. 33—152)



1. A bifurcated drawing instrument comprising, in combination, a pair of relatively movable legs, a tubular sleeve threaded at its outer end and carried axially of a leg in prolongation thereof and of a smaller diameter than the leg and formed with a pair of diametrically disposed axially extending slots, a carrier for a needle, lead or the like reciprocable within the sleeve, a guide member carried with the carrier and passing through the slots, the exposed portions of the guide member being formed with related threads, an internally threaded operating sleeve telescoped over the inner sleeve and freely rotatable thereabout and in threaded engagement with the threads on the carrier guide and a tip of an outside diameter greater than the inner sleeve and threaded on the end thereof to retain the operating sleeve thereon.

2,041,300

VALVE STEM AND HANDLE LOCKING MEANS

Frank Perry, New York, N. Y.

Application December 6, 1933, Serial No. 701,093
9 Claims. (Cl. 287—53)



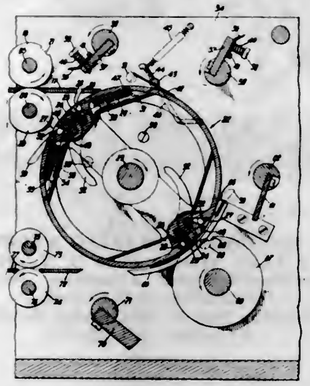
1. A stem lock for valve handles, comprising in combination a molded handle; a plurality of superposed plates molded therein and forming, respectively, a valve stem key plate; an anchor plate, a flange plate, and a threaded valve stem bushing rotatably supported between said key plate and flange plate.

2,041,301

BAG MAKING MACHINE

Albert A. Scholl, Bronxville, and Abraham Novick, Flushing, N. Y., assignors to International Paper Company, New York, N. Y., a corporation of New York

Application April 14, 1932, Serial No. 605,191
12 Claims. (Cl. 93—27)



1. In a bag making machine, in combination, means for delivering tubular blanks, a cylinder, means coacting with the cylinder to form a tuck in the leading end of the blank, means carried by the cylinder for gripping the tucked portion, means for folding over the end portion that extends in advance of the tuck to form a bag portion of double tube thickness, means coacting with the cylinder to form a second tuck in the material of double tube thickness, means carried by the cylinder for gripping the second tuck, means for effecting the release of the bag material at the first tuck to leave free the end portion of double tube thickness in advance of the second tuck, means for gumming a portion of the blank body adjacent the second tuck, means for folding over the end portion of double tube thickness against the gummed portion, means coacting with the cylinder to take over control of the feeding of the blank, means for effecting release of the bag material at the second tuck, means for ironing down the folded and gummed portion of the bag, and means for conducting the finished bag away from the cylinder.

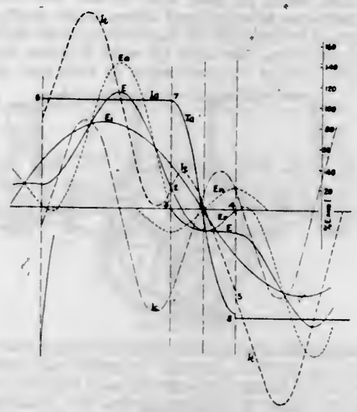
2,041,302

SYNCHRONOUS MECHANICAL RECTIFIER-INVERTER AND ITS METHOD OF OPERATION

Stanley S. Seyfert, Bethlehem, Pa., assignor to Lehigh University, a corporation of Pennsylvania

Application January 9, 1934, Serial No. 705,862
29 Claims. (Cl. 175—364)

9. The method of transforming alternating and direct currents, the one into the other, comprising effecting reversal of the current of the alternating current system by so superposing an odd harmonic of voltage upon the fundamental of supply



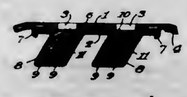
voltage as to reduce said supply voltage and cause said reversal.

2,041,303

DISPLAY PAD FOR JEWELRY BOXES

John M. Shields, Chicago, Ill., assignor to F. H. Noble & Co., Chicago, Ill., a corporation of Illinois

Application October 12, 1935, Serial No. 44,690
8 Claims. (Cl. 206—76)



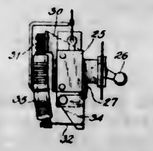
1. A pocketed display pad comprising an upper slotted, covered, sheet metal member, a lower sheet metal member secured to said upper member and formed with a downwardly extending pocket, a pair of elastic pad elements in said pocket, and a lining sheet interposed between said upper and lower members having a pleat extending between said pair of elastic pad elements.

2,041,304

THERMOSTATIC SWITCH

John E. Smith, Plainfield, N. J., assignor to Knapp-Monarch Company, a corporation of Missouri

Application May 28, 1930, Serial No. 456,694
4 Claims. (Cl. 200—116)



1. The combination with an electric two position snap switch, of a single manual means for throwing the switch to either of its two positions and a thermostat having a link connection with said switch and including a bimetal member adapted when heated to warp and thereby move the switch from one of its positions to its other position but when cold to yield to movement of the switch to either position.

2,041,305

PROCESS FOR THE PREPARATION OF A PLASTIC VULCANIZABLE MATERIAL FROM RUBBER, GUTTA-PERCHA, BALATA, AND THE LIKE

Martinus Joännes Stam, The Hague, Netherlands

No Drawing. Application January 12, 1934, Serial No. 706,445. In the Netherlands September 25, 1933
2 Claims. (Cl. 106—23)

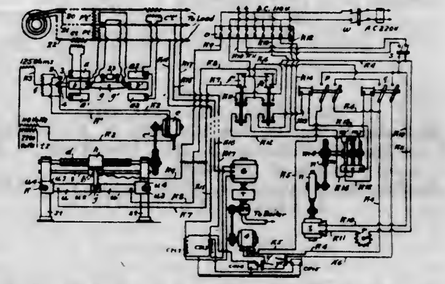
1. Process for the preparation of a vulcanizable material from non-adhesive, pulverulent, non-vulcanized rubber, obtained by spray-drying latex with a substance which protects the dry particles against agglomeration; characterized in that to the rubber powder a dry powder is added containing naphthalene.

2,041,306

AUTOMATIC COORDINATOR FOR MAIN AND AUXILIARY SOURCES OF ELECTRICITY

Frederick C. Stevey, Camas, Wash.

Application April 14, 1934, Serial No. 720,671
10 Claims. (Cl. 171—312)



1. In an electric power circuit, including a main source and an auxiliary source of power, electrically actuated means for coordinating the amounts of power supplied by said sources to said power circuit, a control for said auxiliary source, a reversible electrical motor operating said control, said motor having independent circuits controlled by said electrically actuated means, and means interposed in the circuits of said motor adapted to prevent load surges on said auxiliary source of power, the latter means comprising an interrupter switch having non-continuous contact elements arrangeable to vary the lengths of the periods of making contact and of interruption, relatively to each other.

2,041,307

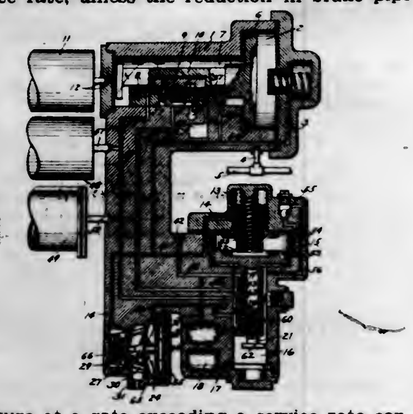
FLUID PRESSURE BRAKE

Frank B. Thomas, Irwin, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania

Application January 25, 1933, Serial No. 653,445
29 Claims. (Cl. 303—42)

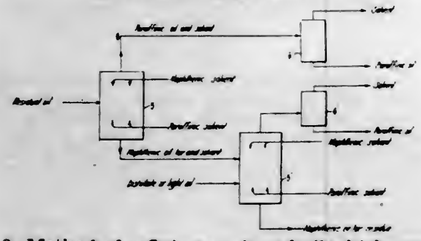
1. In a fluid pressure brake, the combination with a brake pipe, of a chamber normally charged with fluid under pressure, a brake controlling valve mechanism subject to the opposing pressures of the brake pipe and said chamber and operative upon a predetermined reduction in brake pipe pressure at an emergency rate to effect an emergency application of the brakes, and means operative to effect a limited reduction in the pressure of fluid in said chamber at an emergency rate to prevent the brake controlling valve mechanism from operating to effect an emer-

gency application of the brakes when, in effecting a service application of the brakes, the brake pipe pressure is reduced at a rate exceeding a service rate, unless the reduction in brake pipe



pressure at a rate exceeding a service rate continues after the limited reduction in the pressure of fluid in the chamber has been effected.

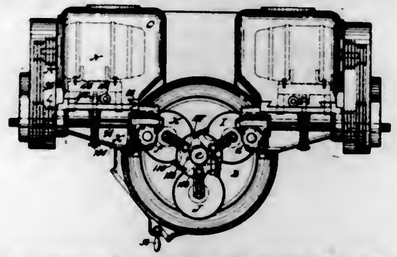
2,041,308
REFINING MINERAL OIL
Malcolm H. Tuttle, New Rochelle, N. Y., assignor to Max B. Miller & Co., Inc., New York, N. Y., a corporation of Delaware
Application January 31, 1934, Serial No. 709,097
11 Claims. (Cl. 196—13)



9. Method of refining a mineral oil which comprises distilling said oil to produce a light oil, distilling said mineral oil to produce an intermediate distillate, treating the light oil with paraffinic and naphthenic solvents, removing a naphthenic fraction from the light oil and introducing said fraction to the intermediate distillate in the presence of paraffinic solvent, removing a naphthenic fraction from said intermediate distillate, conducting said last named naphthenic fraction to the residue of the mineral oil in the presence of a paraffinic solvent, and withdrawing a naphthenic fraction from said residue, whereby the naphthenic portions of said light oil, said intermediate distillate and said residue are recovered as a unit.

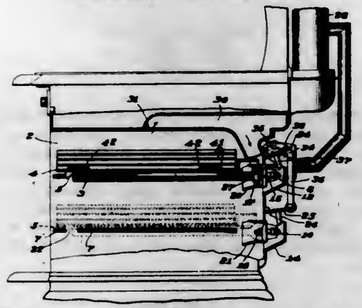
2,041,309
AUTOMATIC MACHINE
Joseph Verderber, Cleveland, and Elmer F. Batterman, East Cleveland, Ohio
Application June 22, 1932, Serial No. 618,740
29 Claims. (Cl. 29—38)

1. In an automatic machine, a table, a plurality of article holding means on said table each rotatable to rotate the article thereon, a tool means for each of said article holding means except one, each of said tool means mounted to slide sidewise toward and away from said holding means to operate on surfaces spaced different distances from the axis of said holding means, cam-like means to move each of said tool means



to operate on the article only during a part of a revolution thereof, means to index said table to successively bring each one of said holding means to where there is no tool means for loading and unloading, means to operate said tool means, and means to rotate said article holding means.

2,041,310
RANGE
Arthur W. Walker, Malden, and Robert W. Rogers, Framingham, Mass., assignors to Walker & Pratt Manufacturing Co., Boston, Mass., a corporation of Massachusetts
Application May 10, 1933, Serial No. 670,232
11 Claims. (Cl. 126—36)

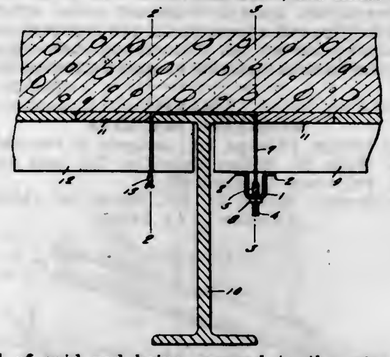


6. In a range equipped with an oven, the combination of a gas burner adjustable into upper and lower positions in said oven, a damper for each of said positions of the burner, means cooperating with said burner for opening one of said dampers when the burner is in its lower position and for opening both of the dampers when the burner is in its upper position.

2,041,311
CLAMP
Charles H. Walker, Mankato, Kans.
Application March 26, 1935, Serial No. 13,178
1 Claim. (Cl. 25—131.5)

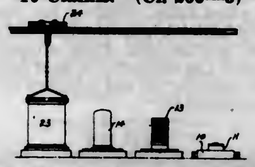
In combination with an I-beam, a clamping device for securing the free ends of timbers to the under side of the upper member of the I-beam comprising a wire straddling the under side of the timbers and encircling the upper side of the I-beam and a U-shaped frame having the free ends thereof abutting the under side of one of the timbers, said frame having an unthreaded opening in its bight portion, a threaded rod operable freely in said opening, said rod having a

nut threadedly mounted thereon, the inner free



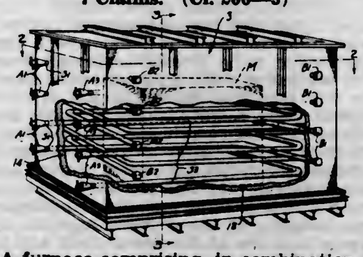
end of said rod being secured to the wire for tightening said wire.

2,041,312
ANNEALING APPARATUS
Frank J. Winder, Ottawa Hills, and Lincoln L. Swift, Toledo, Ohio, assignors to Surface Combustion Corporation, Toledo, Ohio, a corporation of New York
Application March 26, 1934, Serial No. 717,356
Renewed January 20, 1936
10 Claims. (Cl. 266—5)



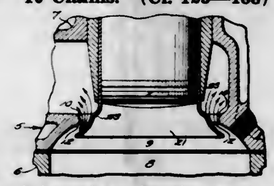
1. Heat-treating apparatus comprising, in combination, a base for the material to be treated, a ring-type cover adapted to be placed over the material and to rest on the base, a heating hood open at the bottom and adapted to be lowered over the cover and to rest on the base, a fuel fired heater arranged in the middle portion of said cover and comprising: a heat-radiating conduit having its intake and exhaust ends outside of said hood, means for delivering fuel to the intake end of the conduit and means at the exhaust end of the conduit tending to draw the fuel through the conduit.

2,041,313
APPARATUS FOR HEAT TREATING STEEL
Frank J. Winder, Ottawa Hills, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of New York
Application October 13, 1934, Serial No. 748,250
Renewed January 20, 1936
7 Claims. (Cl. 266—5)



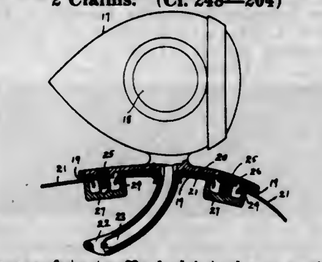
1. A furnace comprising, in combination, walls forming a heating chamber which is rectangular in plan, two sets of heating tubes, one of said sets being disposed along one side wall and the other along the opposite side wall of the chamber, the tubes of both sets each having a lateral portion disposed along one and the same end wall of the heating chamber, two other sets of heating tubes, one of these sets being disposed along the said one side wall and the other along said opposite side wall, the tubes of both of the last mentioned sets each having a lateral portion disposed along the other end wall of the chamber.

2,041,314
INTERNAL COMBUSTION ENGINE
Victor F. Zahodiakin, Cincinnati, Ohio
Application June 8, 1933, Serial No. 674,892
10 Claims. (Cl. 123—188)



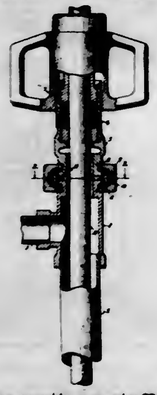
1. In an internal combustion engine, an engine body having a cylinder, said body having a valve structure including an exhaust passageway extending axially from said cylinder, the exhaust valve seat being arranged concentrically of the exhaust passageway, an exhaust valve of sleeve form having a flared head end engageable with said seat, internal and external guides for said exhaust valve of sleeve form, the external guide extending across the exhaust passageway adjacent to the exhaust valve seat, said exhaust valve head including an outwardly formed annular bead in the flared portion thereof, and the outer surface of the valve head between the bead and the seating portion thereof being curved on a radius which directs the gases through the exhaust passageway entirely clear of the valve guide and the sleeve valve beyond the flared head.

2,041,315
SAFETY TRAFFIC LIGHT FOR AUTOMOBILES
Frank R. Barclay, Youngstown, Ohio
Application November 19, 1934, Serial No. 753,635
2 Claims. (Cl. 248—204)



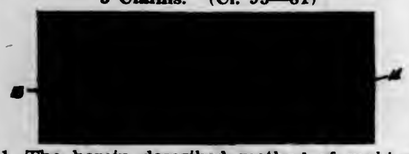
1. In a safety traffic light to be mounted upon the fender of an automobile, a support for said light comprising a foot, a resilient base member positioned directly underneath said foot, an extended tube on said resilient base member for the purpose of encasing electric wires for said light, a pair of threaded recesses formed on under side of said foot, a pair of lugs passing through openings in a fender and through the resilient base member and into the threaded recesses of said foot.

2,041,316
FLEXIBLE STUFFING BOX ASSEMBLY
Edwin O. Bennett, Ponca City, Okla., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
Application October 4, 1934, Serial No. 746,871
2 Claims. (Cl. 286—15)



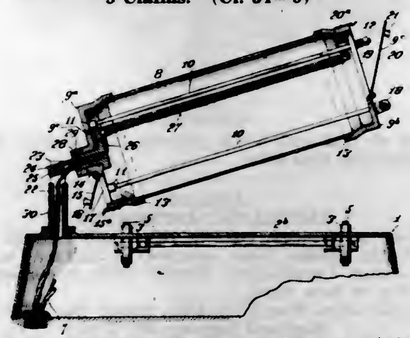
1. Means for mounting a stuffing box for a well pump rod comprising a casinghead secured to a well casing and having an integral extension provided with a peripheral groove, a stuffing box in axial alignment with and normally spaced apart from said well casing and having an integral extension provided with a peripheral groove, a clamping ring having projections seated in said peripheral grooves and forming a connection between said casinghead and said stuffing box which holds them spaced apart, a sealing ring clamped between said clamping ring and the free ends of said casinghead and said stuffing box adapted to form a liquid and gas tight joint, one of the projections of said clamping ring being of less width than the width of the groove in which it is seated and providing for a slight angular movement of the stuffing box to accommodate it to movements occasioned by pumping operations.

2,041,317
PHOTOENGRAVING SCREEN AND PROCESS OF PRODUCING SAME
Charles E. Benson, Los Angeles, Calif., assignor to Los Angeles Engraving Company, Inc., Los Angeles, Calif., a corporation of California
Application May 22, 1935, Serial No. 22,860
3 Claims. (Cl. 95—81)



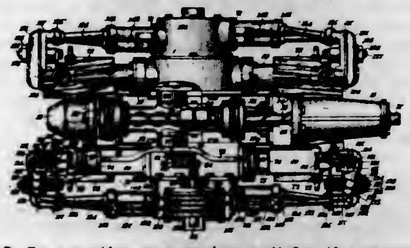
1. The herein described method of making a photo-engraving screen which comprises exposing a sensitive photographic plate through a conventional photo-engraving screen and photographing upon the entire sensitized surface of the plate, the surface images of portions of a material of predetermined kind, whereby to provide a negative which is a composite of the images of the screen characterizing portions of the conventional screen and the images of the surface portions of the aforestated material, then making a positive from the negative adapted to be used in the making of prints in place of a conventional screen, so that the subject in the print when photographed upon a sensitized plate through said positive will appear as though mounted upon a backing having the surface characteristics of the aforestated material of predetermined kind.

2,041,318
ROASTING MACHINE
Paul Berger, Chicago, Ill., assignor of two-thirds to Wells W. Miller, Evanston, Ill., and Leroy G. Petterson, Chicago, Ill.
Application March 3, 1934, Serial No. 713,905
5 Claims. (Cl. 34—5)



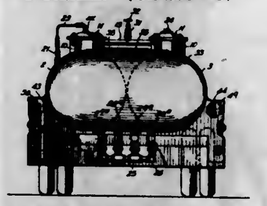
1. A roasting machine comprising a rotatable cylindrical glass tube, headers for enclosing the ends of said tube, a plurality of rods extending horizontally within said tube adjacent its side so as to agitate the contents of said tube when it is rotated and secured to the headers to hold them in enclosing position.

2,041,319
INTERNAL COMBUSTION ENGINE
Henry E. Blomgren, Central Park, N. Y., assignor of one-fourth to William D. McGurn, Rockville Centre, N. Y.
Application October 22, 1932, Serial No. 639,005
6 Claims. (Cl. 123—58)



3. In a motion conversion unit for the purposes described a revolubly mounted power shaft, two hollow worm shafts independently revoluble on respective ends of the power shaft, respective unidirectional clutches cooperatively associated with each worm shaft and the power shaft to engage in the same direction whereby intermittent or oscillatory rotary movement of the worm shafts will transmit motion in one direction to the power shaft, a traveller reciprocable longitudinally of the power shaft, respective drivers revoluble thereon concentric with and engaged with the threads of respective worm shafts, and respective clutches on the traveller coactive between the drivers and traveller to engage and oppose rotation of the drivers opposite the direction of rotation of the power shaft and to free the drivers for rotation in the same direction with the power shaft.

2,041,320
TANK VEHICLE
Ralph A. Bradley and Victor C. Norquist, Kansas City, Mo., assignors to Butler Manufacturing Company, Kansas City, Mo., a corporation of Missouri
Application October 9, 1933, Serial No. 692,782
3 Claims. (Cl. 280—5)



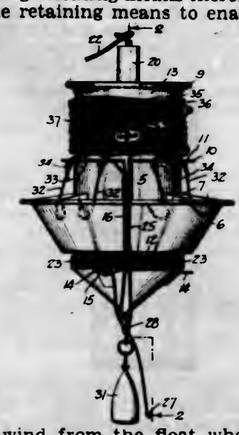
1. A tank vehicle comprising in combination a pair of cylindrical tanks, partitions in said tanks dividing the same into compartments, pipes communicating with the bottom portions of respective compartments for equalizing the liquid levels therein, ducts communicating with respective compartments above the liquid levels in said tanks for equalizing the vapor pressures therein, and a duct providing communication between said communicating ducts.

2,041,321
MOLD FOR RETREADING TIRES
Joseph Brasty, Maple Heights, Ohio, assignor of one-third to Albert R. Meyer, Cleveland, Ohio
Application July 25, 1934, Serial No. 736,923
6 Claims. (Cl. 18—18)

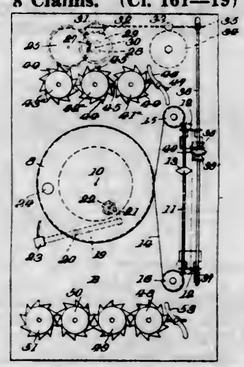
4. A tire mold comprising a transversely separable band provided with exterior heating tubes and headers at each end thereof, and a removable extension section between the ends of the band, said extension being provided with exterior tubes, and headers at the ends thereof, and means to connect the headers of the extension section with the headers of the band.

2,041,322
FLOAT FOR FISHING LINES
Valentino Cantini, Santa Barbara, Calif., assignor of one-half to Francesco Bonazzola, Santa Barbara, Calif.
Application April 15, 1935, Serial No. 16,464
6 Claims. (Cl. 43—31)

1. A float for fishing lines having hook housing means; a line having permanent connection with the float at the bottom thereof and provided with a portion wound around the float above said bottom and having a hook removably received in the housing means, the housing means having an open side from which the hook is directly exposed when the line is wound about the float and means for retaining said portion of the line in a wound condition while throwing the float into the water and including releasing means therefor formed to actuate the retaining means to enable said portion to unwind from the float when the latter contacts the water.



2,041,323
TIMING DEVICE
Carroll Trenchard Coppage, Rocky River, Ohio
Application November 21, 1933, Serial No. 699,067
8 Claims. (Cl. 161—19)

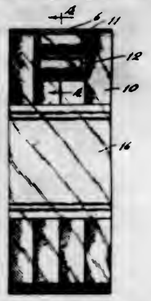


1. An improved timing device, comprising a plate having thereon time designations arranged in vertical sequence and alignment, a pointer movable over said designations, a clock works, operative connection between said pointer and said clock works for moving said pointer in timed relationship therewith, a normally locked alarm, a release for said alarm including an elongated rod paralleling the path of travel of said time pointer, an upward movement of said rod actuating said release to sound said alarm, resilient means tending to hold said rod against upward movement, a finger adjustably positionable upon said rod, and said finger extending into the path of travel of said time pointer, for the purpose described.

2,041,324
DEVICE FOR PACKAGING TAPE AND THREAD
Bennett C. Creed, Hinsdale, Ill.
Application May 7, 1932, Serial No. 609,910
5 Claims. (Cl. 206—47)

1. A device for supporting tape and thread comprising a substantially rectangular card hav-

ing a recess formed in one end thereof so as to provide a pair of mounting edges substantially equal in width to the tape and an intermediate portion arranged to receive several widths of tape, and a member having a pair of laterally spaced



and parallel spool supporting portions arranged to be inserted between the back of the card and tape wound on said edge portions so as to extend across said recess to support a pair of spools of thread.

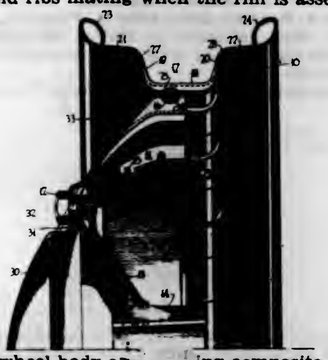
2,041,325
AUTOMOBILE DISTRESS SIGNAL
Charles F. de Lannoy, Carmel, Calif., assignor of forty-nine per cent to George E. Butler, Carmel, Calif.
Application May 29, 1934, Serial No. 728,167
9 Claims. (Cl. 116—33)



1. A signalling device of the class described comprising a casing having visible signalling means, a door hinged to said casing and adapted to be swung to a shielding position to prevent the observation of the signalling means, remote control means carried by the casing and engaging the door for normally holding the door in a closed position and capable of being released from said door to permit the door to automatically swing to an open displaying position, said door being adapted to support a license plate upon its outer face, and means carried by the door and engaging the casing for facilitating the moving of the door from a closed to an open position when released.

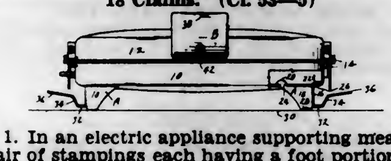
2,041,326
ARTILLERY WHEEL
Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 7, 1934, Serial No. 724,235
5 Claims. (Cl. 301—64)

5. A pressed metal artillery type wheel assembly for vehicles comprising a wheel body which at its periphery has the metal thereof formed with circumferentially spaced radial depressions and spoke projections and a sheet metal rim of the drop center type having its base portion formed with circumferentially spaced radially inwardly projecting strengthening ribs formed by corrugating the said base portion, said spoke projections and ribs mating when the rim is assembled



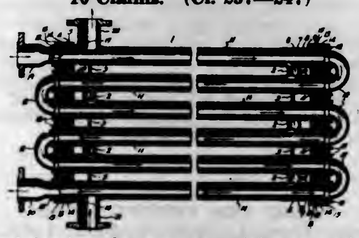
on the wheel body and forming composite spokes for the wheel, and means securing the rim to the wheel body.

2,041,327
ELECTRIC APPLIANCE SUPPORTING MEANS
William H. Fischer, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application September 18, 1935, Serial No. 41,091
18 Claims. (Cl. 53—5)



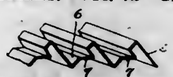
1. In an electric appliance supporting means, a pair of stampings each having a foot portion and a handle portion and means for securing each of said stampings to an electric appliance casing.

2,041,328
HEAT EXCHANGER
James B. Forbes, Mount Vernon, N. Y., assignor to Alco Products Incorporated, New York, N. Y., a corporation of Delaware
Application August 12, 1935, Serial No. 35,822
10 Claims. (Cl. 257—247)



1. A heat exchanger comprising an outer casing, means forming a flange on the outer surface of said casing adjacent one end thereof, means forming a shoulder on the inner surface of said casing adjacent said end, a collar abutting said shoulder means, an inner conduit member positioned within said casing and spaced therefrom by said collar, packing in said space, a gland slidably fitted between said casing and said inner conduit member, a flange on the outer surface of said gland and clamping means engaging flanges on the casing and the gland for drawing said casing and gland together and compressing said packing against said collar.

2,041,329
FLASHING
Leo Friedberg, New Brunswick, N. J.
Application March 23, 1935, Serial No. 12,695
7 Claims. (Cl. 72—127)



1. A through wall flashing comprising a sheet of metal having transversely extending strengthening ribs each having oppositely inclined walls extending substantially normal to each other, one of the inclined walls of certain of said ribs having a reversely bent portion intermediate its height to provide a mortar receiving and bonding key.

2,041,[illegible]
MANUFACTURE OF ARTIFICIAL MASSES
Alphonse Gams and Rudolf Frey, Basel, Switzerland, assignors, by mesne assignments, to Ciba Products Corporation, Dover, Del.
No Drawing. Application October 17, 1931, Serial No. 569,540. In Switzerland November 12, 1930
9 Claims. (Cl. 18—55)

1. The method of manufacturing filled molded synthetic resinous materials from resins obtained by reacting primary aromatic amines and a formaldehyde yielding compound in an aqueous acid solution with the subsequent elimination of the acid and the precipitation of the resin, which comprises mixing the precipitated resin, while still moist from the precipitation step, with filling material, and thereafter drying the mixture and molding it at an elevated temperature.

2,041,331
METHOD OF TREATING MAGNESIUM ARTICLES
John A. Gann and William H. Gross, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application February 18, 1935, Serial No. 7,074
2 Claims. (Cl. 148—8)

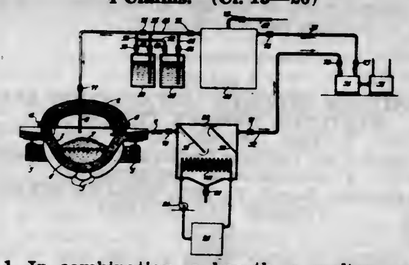
1. In a method of treating a magnesium article, the step which consists in subjecting the article to the action of an aqueous solution containing hydrogen chloride 2 to 20 parts, a soluble chromate 5 to 40 parts, and a soluble magnesium salt 5 to 40 parts, per 100 parts of water.

2,041,332
FLASHLIGHT HOLDING DEVICE
Harry Golden, New York, N. Y., assignor to Magna Products Corp., New York, N. Y.
Application November 23, 1934, Serial No. 754,487
2 Claims. (Cl. 248—229)



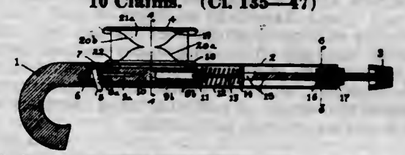
2. A device for holding flashlights and the like, comprising a pair of bowed arms formed from sheet metal, said arms being attached to each other at one end thereof and having their free ends provided with cut-out portions, the parts of the arms adjacent the cut-out portions being curled, pins supported by said curled parts, rollers revolvably mounted on said pins, and means integral with said arms to clamp the device about a tubular support.

2,041,333
APPARATUS FOR PRODUCING CARBON-FREE METALS, ALLOYS, AND THE LIKE
Herbert Gruber and Wilhelm Rohn, Hanau-on-the-Main, Germany, assignors to Heraeus-Vacuumschmelze A. G., Hanau-on-the-Main, Germany, a company of Germany
Original application April 9, 1932, Serial No. 604,315. Divided and this application August 8, 1933, Serial No. 684,258
4 Claims. (Cl. 13—26)



1. In combination, a hearth, a molten metal bath on said hearth, means to heat said bath by induced electric currents said means being adapted to induce vigorous circulation in said bath to recurrently bring all portions of the bath to the surface thereof, a cover enclosing the hearth and the surface of said bath from the atmosphere, inlet and outlet openings in the cover, means to supply a pressure of reducing gas through said inlet opening and means to conduct the gas effluent from said outlet opening through a gas purifying system and to return the purified gas to said inlet opening.

2,041,334
CANE OR WALKING STICK
Louis Hage, San Jose, Calif.
Application November 27, 1933, Serial No. 699,908
10 Claims. (Cl. 135—47)



2. In combination, a hollow cane having an opening formed in the side thereof, signalling means disposed within the cane and extensible through said opening, manually controlled means for extending the signal through the opening, and manually controlled means for retracting the signal into the cane.

2,041,335
FASTENER SECURED INSTALLATION AND FASTENER MEMBER THEREFOR
Charles L. Hall, Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application January 12, 1933, Serial No. 651,314
4 Claims. (Cl. 287—101)

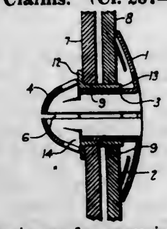
1. A fastener secured installation comprising, in combination, a pair of juxtaposed apertured

members having the apertures in alignment, a bushing having a flange bearing against one member and a tubular shank extending into the apertures, a snap fastener member having a yieldable shank extending through the apertures of both members, a yieldable base on one end of said shank contacting with one of said members at points remote from where the shank joins the base, and



a shouldered head on the other end of said shank engaging said bushing and holding the said members together at the other member, said yieldable base permitting relative movement of said apertured members toward and away from each other, and said bushing permitting relative rotary movement of one of the apertured members relative to the snap fastener member.

2,041,336
FASTENER SECURED INSTALLATION AND FASTENER MEMBER THEREFOR
Charles L. Hall, Detroit, Mich., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application March 15, 1933, Serial No. 660,875
3 Claims. (Cl. 287—101)

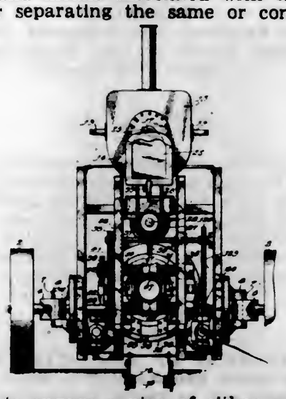


1. A snap fastener for securing a pair of juxtaposed apertured members having the apertures in alignment, comprising a bushing having a flange bearing against one member and a tubular shank extending into the apertures, a snap fastener member having a yieldable shank extending through the tubular shank, a yieldable base on one end of said shank contacting with one of said members, and a shouldered head on the other end of said shank having in addition to said head a plurality of angled projections having free edges spaced laterally from said head and engaging with the flange of said bushing to hold said members together, and said yieldable base permitting relative movement of said apertured members toward and away from each other.

2,041,337
MACHINE FOR TREATING PIPE AND PIPE LINES
Horace L. Harrison, New York, N. Y.
Application June 9, 1930, Serial No. 460,080
17 Claims. (Cl. 242—11)
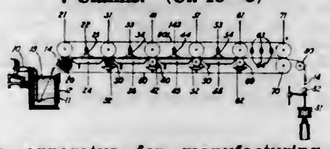
1. In a pipe treating machine or like device, the combination of a frame, wheels for supporting said frame upon the ground adjacent a pipe to be treated, pipe treating mechanism mounted on said frame, a source of power for said machine, means for connecting said source to said wheels, and a clutch for connecting said source to said mechanism.

17. In apparatus of the class described, the combination of a frame, a pair of sets of diametrically opposed split rollers having corrugated surfaces, and means associated with said split rollers for separating the same or contracting



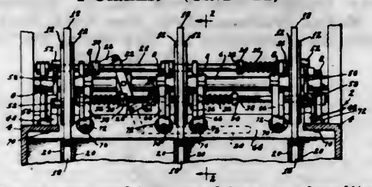
the same to engage a pipe of either a large or small diameter.

2,041,338
CONTINUOUS RAYON SPINNING AND PROCESSING MACHINE
Paul E. Harrison, Dover, N. H.
Application August 8, 1934, Serial No. 738,906
7 Claims. (Cl. 18—8)



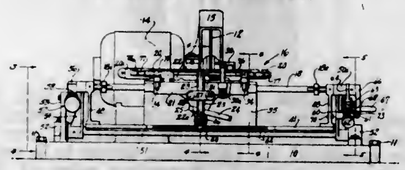
3. An apparatus for manufacturing rayon thread comprising means for regenerating a viscose solution in the form of a thread, means for twisting and collecting the dried thread, means between the regenerating means and the collecting means to successively bathe the thread in various processing fluids, means for transporting the thread through the said baths comprising a plurality of permeable webs between which the thread is carried, pressure means between successive baths to expel excess fluid from the thread, and means to collect the used processing fluid.

2,041,339
AUTOMATIC MACHINE ALIGNING MECHANISM
Montie M. Hart, Buena Park, Calif.
Application March 19, 1934, Serial No. 716,311
4 Claims. (Cl. 1—14)



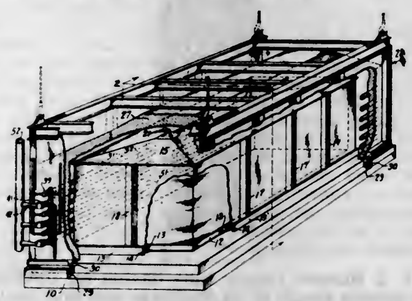
1. In a box making machine, a plurality of means for holding the heads of a box, means for positioning slats upon the box heads, means for nailing the slats to the box heads, and means for maintaining the box heads in alignment during the nailing process, such means comprising an arm rigidly secured to each of the said box holding means, a trackway extending longitudinally of the machine, and anti-friction members attached to each of the said arms and adapted to contact the trackway, whereby each of the said box holding means is held in alignment with the other box holding means.

2,041,340
KNIFE GRINDER
William Walter Hartman, Los Angeles, Calif.
Application May 16, 1934, Serial No. 725,916
6 Claims. (Cl. 51—100)



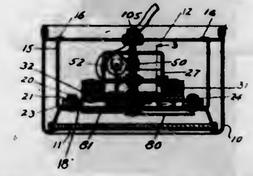
1. In a grinder adapted to sharpen an elongate cutter blade, a grinding wheel, a frame, a rock-shaft rotatably mounted on the frame, a rod rotatably mounted on the frame, a blade holding carriage sliding on the rod, the rod and carriage being mounted to swing bodily about the rock-shaft axis to move the blade into grinding position, the carriage being mounted to oscillate about the rod, means to oscillate the carriage to shape the blade edge, the carriage and rod being adapted to rotate together about the rod axis to adjust the bevel on the blade by adjusting the inclination of the blade relative to a given tangent to the grinding wheel, and means to rotate the rod and carriage.

2,041,341
HEAT TREATING FURNACE
William M. Hepburn, Ottawa Hills, Ohio, assignor to Surface Combustion Corporation, Toledo, Ohio, a corporation of New York
Application January 25, 1935, Serial No. 3,378
Renewed January 20, 1936
8 Claims. (Cl. 266—5)



1. A furnace comprising, in combination, a base for supporting a rectangular pile of material, a bell which is rectangular in plan and which is removably seated on said base and which forms with the base a closed chamber for said material, said bell comprising upright walls of sheet metal, each of said walls having a vertically continuous lateral projection midway between the adjacent vertical corners of the bell, said projections terminating short of the lower edge of the said walls whereby to form shoulders which interengage with the base to support the bell, and a sealing trough whereinto the bottom edge of the bell extends.

2,041,342
TIME INDICATING MECHANISM
Nicholas Hogenbirk, Chicago, Ill., assignor to The Electric Auto-Lite Company, Toledo, Ohio, a corporation of Ohio
Application December 8, 1931, Serial No. 579,676
7 Claims. (Cl. 58—26)



1. An alternating current motor comprising in combination, a supporting plate; a stator carried thereby; said stator including a plurality of toothed pole pieces carried by said plate; a winding carried by said pole pieces adapted to produce a magnetic field in said pole pieces; a substantially U-shaped support carried by said pole pieces; a rotor having a shaft carried by said support and said plate and including a toothed disk carried by said shaft and located between said pole pieces; and a second shaft driven by said rotor and rotatably carried on the side walls of said U-shaped support.

7. An alternating current electric clock including an open ended casing; a plate closing one end of said casing; a supporting structure carried by said plate; a stator element comprising spaced pole pieces supported on said structure; a bracket of non-magnetic material secured to said pole pieces; a rotor partially surrounded by said pole pieces, said rotor having a shaft journalled at one end on said bracket; and a plurality of shafts driven by said rotor shaft journalled on said bracket.

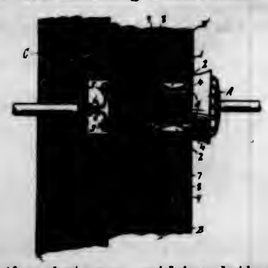
2,041,343
METHOD OF CHANGING THE GRAIN STRUCTURE OF METALS
Claude J. Holslag, South Orange, N. J., assignor, by mesne assignments, to President and Directors of The Manhattan Company, New York, N. Y., a corporation of New York
No Drawing. Application March 23, 1933, Serial No. 662,595
1 Claim. (Cl. 219—11)

The method of treating welds which includes providing an electrode adapted to liberate oxygen and yield an inert non-oxidizing compound at high temperatures, connecting the weld to be treated and said electrode in circuit, energizing said circuit with current of a density sufficient to strike an arc between said weld and electrode and to effect substantial consumption of said electrode without metallic deposition, striking said arc and thereafter normalizing the weld by the heat thereof, sponsoring consumption of any residual metallic deposition by the oxygen liberated from said arc, and depositing from said electrode said inert non-oxidizing compound upon the normalized zone of the weld.

2,041,344
CONTINUOUS ELECTRICAL WALL SOCKET
Jenkins O. James, Rome, N. Y.
Application November 9, 1931, Serial No. 573,729
1 Claim. (Cl. 247—3)

In a continuous electrical wall socket, the combination with spaced wall-finishing sections, of an elongated substantially rectangular single-

piece insulating member, a casing adapted to retain said member, and means comprising concealed projections on the casing extending into the spaced wall-finishing sections for retaining



the casing therebetween, said insulating member having continuous terminal-receiving slots adapted to receive a plurality of electrical plugs slidable therein.

2,041,345

METHOD OF MAKING A TOOL

Fernando O. Jaques, Providence, R. I., assignor to The Central Tool Company, Auburn, R. I., a corporation of Rhode Island

Application June 2, 1932, Serial No. 614,961

7 Claims. (Cl. 76—104)



1. The process of forming a stellite edged cutting tool which comprises, immersing a ferrous metal shape in molten stellite to form an adherent stellite mass surrounding a portion of the ferrous metal shape and intimately united therewith throughout the entire extent of their meeting surfaces and provide an enveloping stellite sheath therefor which is of a fine and uniform grain texture throughout its extent, and then removing a portion of the applied stellite to form a cutting edge located wholly within the applied stellite.

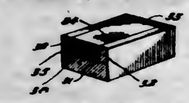
2,041,346

METHOD OF MAKING AN ABRASIVE CUTTING TOOL

Fernando Oscar Jaques, Providence, R. I., assignor of one-fourth to Louis S. Moulthrop, Cranston, R. I., and one-fourth to Shirley Harrington, Barrington, R. I.

Application February 23, 1933, Serial No. 658,088

6 Claims. (Cl. 76—101)



1. The method of making a diamond cutting tool which comprises, forming a recess in a tool body, positioning two or more diamonds in said recess in a certain definite relationship with each other and with the tool body while surrounding the diamonds on all sides with a comminuted metal alloy comprising cobalt and one or more metals of the chromium group, providing a metal closure for the recess, heating the tool body to a temperature approaching the fusion point of the comminuted metal and immediately subjecting the tool body to a pressure sufficient to completely unite the metals and effect a substantial compression of the same.

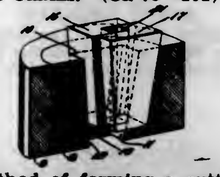
2,041,347

CUTTING TOOL AND METHOD OF MAKING THE SAME

Fernando Oscar Jaques, Providence, R. I., assignor of one-half to Louis S. Moulthrop, Cranston, R. I.

Application February 23, 1933, Serial No. 658,089

8 Claims. (Cl. 76—101)



1. The method of forming a cutting tool for cutting hard metals which comprises, heating a metal alloy shape containing cobalt and one or more metals of the chromium group to a temperature approaching the melting point of the metal alloy and immediately compressing the metal alloy to compact the metal particles and improve the cutting qualities of the alloy.

4. A cutting tool bit for cutting hard metals having a portion consisting of an alloy containing cobalt and one or more metals of the chromium group, the molecular structure of which has been modified by compression while at a high temperature to compact the alloy metal and reduce the bulk thereof.

2,041,348

BUNSEN BURNER

Charles J. Johnson, Chicago, Ill.

Application October 29, 1934, Serial No. 750,412

5 Claims. (Cl. 158—111)



1. A Bunsen burner tube having an inwardly projecting flange at its discharge end and having one or more slots in the discharge end thereof which extend entirely through the walls thereof and open directly into the main outlet passageway to provide for auxiliary flames around the main flame which are directly connected therewith.

2,041,349

RECEPTACLE

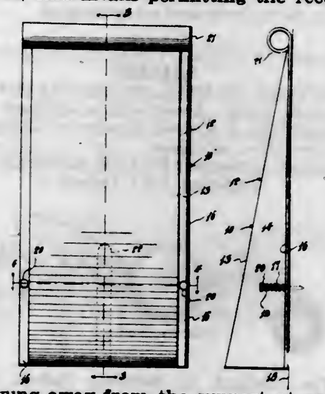
Louis J. Johnson, Whittemore, Mich.

Application July 1, 1935, Serial No. 29,364

6 Claims. (Cl. 232—33)

1. A receptacle of the class described of substantially wedge-shape having its larger end open

and lowermost and holder means within the receptacle, means to mount the receptacle having a resilient element urging the receptacle against a support, said means permitting the receptacle



to be swung away from the support at one end, so that matter may be placed behind the same and the resilient element serve to clamp the matter in place.

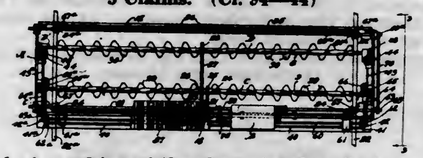
2,041,350

MECHANICAL PUDDLER

Marvin O. Johnson, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a corporation

Application March 21, 1931, Serial No. 524,393

5 Claims. (Cl. 94—44)



1. A machine of the character described, comprising the combination with a frame, of distributors adapted to convey road materials deposited on a roadway towards and away from a common center, vertical guide members secured to the frame and oppositely disposed on opposing ends of the frame, a block slidingly mounted in each guide, each distributor including a shaft having its ends journalled in opposing blocks, means to raise and lower the blocks in the guides for vertical adjustment of the shaft, a source of power, and means for transmitting motion from the source of power to the adjusting means for predeterminedly positioning the vertical adjustment of the shaft, and instrumentalities carried by the shafts for operating upon a surface for suitable conditioning thereof.

2,041,351

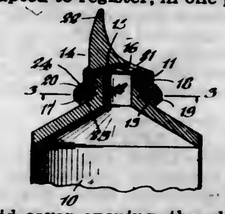
CLOSURE FOR COLLAPSIBLE TUBES

Walter L. Jones, Kenmore, N. Y., assignor of one-half to William H. Nugent, Buffalo, N. Y.

Application September 7, 1934, Serial No. 743,107

4 Claims. (Cl. 221—60)

1. A closure for a container having a threaded neck including a discharge opening for the container-contents, comprising an internally-threaded, inverted cup-shaped cover for attachment to said neck and having an opening in register with said discharge opening, the inner top face of said cover and its lower edge being adapted for abutting sealing engagement with the contiguous portion of the container-neck and the container-top adjoining said neck, respectively, the lower portion of the cover having an annular upwardly-facing groove therein forming an exterior overhanging wall, and a closure member fitted over said cover to turn thereon and having an opening therein adapted to register, in one position there-



of, with said cover-opening, the closure member having a depending skirt terminating in an upwardly-facing external shoulder engaging the overhanging wall of the cover-groove, whereby the cover and the closure member are held as a unit against relative axial displacement.

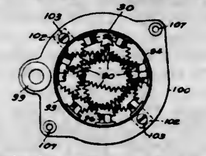
2,041,352

ELECTRICAL HEATING UNIT

Richard H. Jordan, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Original application February 21, 1934, Serial No. 712,349. Divided and this application February 23, 1935, Serial No. 7,695

4 Claims. (Cl. 219—19)



1. An electrical heating unit adapted to warm a fluid when blown therethrough comprising a cylindrical shell member having at least two spaced oblique or screw-like slots cut in the wall thereof, a plurality of insulator members spacedly positioned in each of said slots, and a heating conductor supported inside of the shell by being progressively threaded between the insulators positioned in said slots.

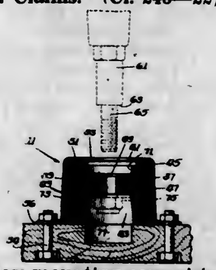
2,041,353

SHOCKLESS MOUNTING

Mahlon W. Kenney, Chicago, and Arthur R. Constantine, River Forest, Ill., assignors to General Household Utilities Company, Chicago, Ill., a corporation of Delaware

Application March 7, 1934, Serial No. 714,447

7 Claims. (Cl. 248—22)



1. A shockless mounting comprising an element of resilient material having a tubular portion, the outer surfaces of which are necked inwardly intermediate the opposed ends of the tubular por-

tion and an integral web within the tubular portion opposite said inwardly necked portion in position to receive the weight of an object to be supported, and a substantially rigid shell enclosing the sides of said tubular portion and normally affording a space between said inwardly necked portion and the shell whereby when the weight of the supported object is applied on said web in the direction of the axis of the tubular portion, the inwardly necked portion of said tubular portion may expand radially outwardly within said shell.

2,041,354

TERMINAL-CLASP OR CONNECTER

Charles H. Kestenman, Providence, R. I., assignor to Kestenman Bros. Mfg. Co., Providence, R. I., a corporation of Rhode Island

Application February 24, 1934, Serial No. 712,720
5 Claims. (Cl. 24—265)



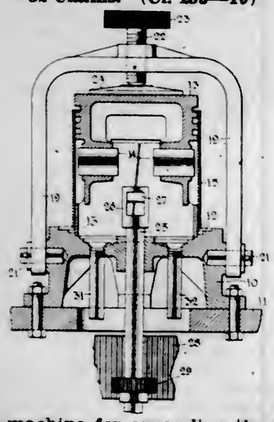
1. A connecter for straps, cords or the like comprising a holder having an enclosing top and side walls with inwardly-directed flanges, said flanges having concavo-convex portions offset with respect to the plane of the flanges to form bearing sockets, and a clamping member having a lever portion adapted to fit between the flanges for rocking movement therebetween and a jaw portion projecting at an angle to the lever portion and extending beyond the sides of the lever portion to form trunnions, the trunnions on said clamping member being adapted to slide along the flanges when the ends of the cords are in place in the holder and to seat in the sockets in said flanges to provide for rocking the lever to impinge the jaw against the cords, said bearing sockets and trunnions cooperating to prevent the clamping member from sliding forwardly or rearwardly when in closed position.

2,041,355

APPARATUS FOR EXPANDING PISTONS

Emil A. Koether, Baltimore, Md., assignor to The Bartlett Hayward Company, Baltimore, Md., a corporation of Maryland

Application December 31, 1935, Serial No. 57,029
32 Claims. (Cl. 153—10)



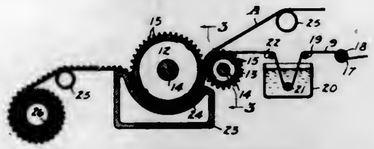
1. In a machine for expanding the skirt of a piston, the combination of means for supporting a piston free of any restraint against outward expansion of the skirt thereof; and means for subjecting the inner surface of the skirt in part at least to a bombardment of solid particles, said particles being free and unrestrained.

2,041,356

METHOD OF MAKING RESILIENT MATTING

Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application September 27, 1934, Serial No. 745,684
6 Claims. (Cl. 154—2)



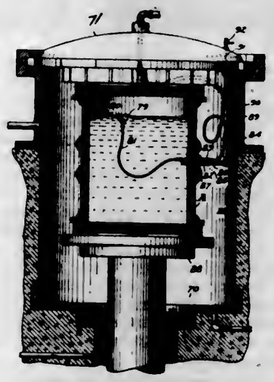
1. The method of forming ribbed matting which comprises forming a series of spaced ribs at opposite sides of the matting and at the same time embedding relatively inextensible elements in the ribs at one side to bridge the spaces between the ribs at one side, and vulcanizing the assembled matting and inextensible elements.

2,041,357

METHOD OF MAKING NONMETALLIC CONTAINERS

Herman T. Kraft, Akron, Ohio, assignor to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application November 19, 1934, Serial No. 753,721
13 Claims. (Cl. 18—56)



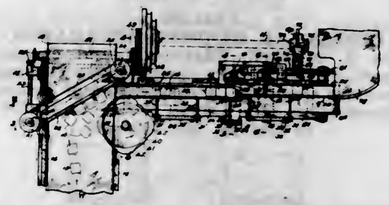
10. The method of forming one-piece lined containers having end and annular body portions of vulcanizable material, one of said portions having a bung opening therein, which comprises facing said portions with rubber with the facing of the one portion covering the bung opening, mounting a valve member in said last mentioned facing to extend through the bung opening, supporting the body portion between said end portions, confining the outer faces of said end portions and compressing said end and body portions axially with sufficient pressure to substantially shorten said body portion, circumferentially confining said portions, inflating the container through said valve member to a substantial pressure, vulcanizing said portions to integrally join the same, and then cutting away the portion of the facing covering the bung opening.

2,041,358

ORIENTATING AND CARTON FEEDING DEVICE

John A. Lidberg and Austin S. Chandler, Fitchburg, Mass., assignors to The Brown Bag Filling Machine Company, Fitchburg, Mass., a corporation of Massachusetts

Application December 18, 1931, Serial No. 581,981
6 Claims. (Cl. 226—95)



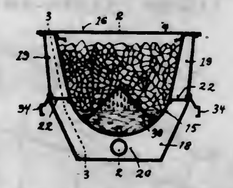
5. In a machine of the character described, a conveyor for receptacles to be filled comprising an endless belt adapted to support receptacles slidingly thereon, a starting alley alined with the conveyor, a second alley over the conveyor having a receiving end offset from the first alley, a receptacle stop adjacent the receiving end of the second alley in line with the first alley, a receptacle shifter operable transversely of the alleys to move receptacles singly from the starting alley to the second alley, a retractable stop in the second alley, a filling means for filling receptacles in advance of the retractable stop over the second alley and means to operate the shifter and stop comprising a rock shaft, arms projected therefrom, connections between the arms and the shifter and stop respectively, and means to rock the shaft.

2,041,359

ASPHALT HEATER

John S. Littleford, Jr., Cincinnati, Ohio, assignor to Littleford Brothers, Cincinnati, Ohio, a copartnership comprising John S. Littleford, Thomas S. Littleford, Roger S. Littleford, John S. Littleford, Jr., and Bernice L. Wadsworth

Application August 6, 1931, Serial No. 555,555
8 Claims. (Cl. 126—343.5)



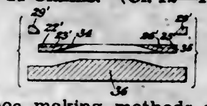
6. A melting kettle comprising a trough-shaped container for the material to be melted, having a jacketed heating flue encasing the bottom, end and side walls of the container with flue partitions separating side flue spaces from a bottom flue space, a torch at one end of the bottom flue section and discharging thereinto to heat the container, a perforated partition positioned lengthwise of and within said container, and attached to said container below the flue partitions, said perforated partition serving to divide said container into more than one compartment.

2,041,360

SHOEMAKING METHOD

Fred Maccarone and Harry L. Sutcliffe, Brooklyn, N. Y., assignors to The Del-Mac Shoe Process Corporation, New York, N. Y.

Application March 30, 1935, Serial No. 13,873
11 Claims. (Cl. 12—146)



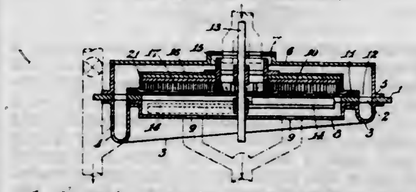
11. In shoe making methods wherein a sole blank is divided to obtain a skeletonized insole and a complemental outsole, that improvement which includes channeling the insole portion of the blank, and dividing the blank to obtain an outsole having a projection thereon and a channeled insole having an opening therein to receive said projection, said insole and outsole being counterparts.

2,041,361

GRAIN SCOURING AND POLISHING MACHINE

Candace Charles Marston, Bungay, England

Application January 2, 1934, Serial No. 705,021
In Great Britain January 7, 1933
4 Claims. (Cl. 83—37)



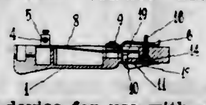
1. A grain scouring and polishing machine comprising a horizontally disposed perforated plate, a rotatable brush disposed horizontally above said plate and having downwardly directed bristles for cooperation with said plate, said brush having a central grain feed opening and further having channels formed through the bristles and extending from the central feed opening to the periphery of the brush tangentially to a circle coaxial with the feed opening, a dam element surrounding the brush and having its inner face sloping upwardly and outwardly from the top of the perforated plate, and a flange carried by the brush and surrounding the brush bristles, said flange being disposed inwardly of said dam element and having its lower edge spaced from the upper face of the perforated plate.

2,041,362

SAFETY DEVICE FOR ELECTRICAL APPLIANCES

Patrick McIlveney, Devonport, Auckland, New Zealand

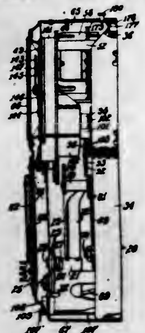
Application July 19, 1934, Serial No. 736,083
4 Claims. (Cl. 200—142)



1. A safety device for use with electrical appliances, comprising a casing, a spring contact, a recessed portion seated in and detachably secured to said casing, a flat plate portion, fusible solder securing said flat plate portion to the recessed portion, and fitting flat against the exterior of said casing; and a pin extending through said

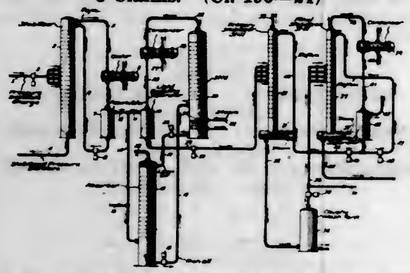
casing and being retained in position by said flat plate portion to press against and to retain the spring contact in its closed position.

2,041,363
ELECTRIC CLOCK THERMOSTAT
Andrew G. McNicoll, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application February 27, 1932, Serial No. 595,460
13 Claims. (Cl. 200—139)



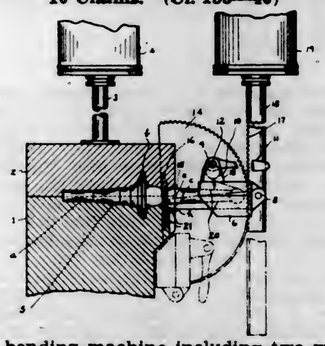
1. A device of the class described comprising a metal base, a piece of heat-insulating material carried by said base adjacent the upper end thereof, an electric motor mounted on said piece, a piece of heat-insulating material carried by said base adjacent the lower end thereof and spaced from said base, a thermostatic element mounted on said piece, the pieces of heat insulating material reducing the conduction of heat through the metal base from the clock to the thermostat and a housing mounted on said base and enclosing said motor and said thermostatic element, said housing being formed with perforations only in its top and bottom surfaces.

2,041,364
METHOD FOR REMOVING CORROSIVE SUBSTANCES FROM HYDROCARBONS
Walter Miller, Ponca City, Okla., assignor to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
Application May 7, 1934, Serial No. 724,331
3 Claims. (Cl. 196—24)



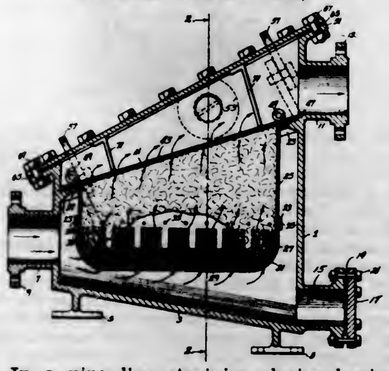
1. In a method of removing sulphur compounds from cracked hydrocarbons, subjecting the hydrocarbons to an absorption step in which the hydrocarbons are contacted with an absorption medium, distilling the absorbed hydrocarbons and sulphur compounds from the absorption medium, subjecting the gases and vapors from the distillation step to fractionation, controlling the fractionation step so that hydrogen sulphide and lighter hydrocarbons are in a gaseous state while the heavier sulphur compounds and heavy hydrocarbons are in a liquid state, withdrawing the hydrogen sulphide and lighter hydrocarbons from the fractionating zone, separately withdrawing the heavier hydrocarbons containing heavier sulphur compounds from the fractionating zone, subjecting the heavier hydrocarbons to a sulphur removing treatment, stabilizing the thus treated heavier hydrocarbons and recovering a rich hydrocarbon gas and a light hydrocarbon liquid from the stabilizing zone.

2,041,365
IRREGULAR BENDING APPARATUS
Ralph A. Mitchell, Edgeworth, and Frank G. Tuerk, Coraopolis, Pa., assignors to Pittsburgh Forgings Company, a corporation of Delaware
Application July 1, 1935, Serial No. 29,230
10 Claims. (Cl. 153—40)



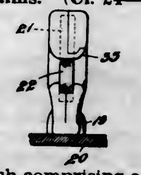
1. A bending machine including two work-securing clamps, means including a rotary gear and a reciprocable member for effecting relative angular movement of said clamps about the center of rotation of said gear, and means for progressively shifting the center of said gear in linear path during its rotation.

2,041,366
FLUID STRAINING DEVICE
Daniel J. Moran and Edwin O. Bennett, Ponca City, Okla., assignors to Continental Oil Company, Ponca City, Okla., a corporation of Delaware
Application April 2, 1934, Serial No. 718,587
2 Claims. (Cl. 210—140)



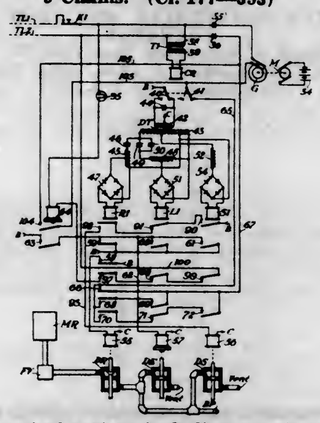
1. In a pipe line straining device having a shell provided with a main fluid inlet and a main fluid outlet, in combination, an imperforate wall container, a screen covering the bottom portion of the container, an absorption medium in said container, a second screen covering the top of the container and at an angle to the axis of said inlet, a perforate cover fastening said second screen to said container and supporting said container in the shell, a cover for said shell, and means associated with said shell cover and said screen cover for maintaing said container in fixed position in said shell.

2,041,367
SAFETY CATCH
Eugene Morehouse, Providence, R. I., assignor to B. A. Ballou & Co., Inc., a corporation of Rhode Island
Application November 23, 1934, Serial No. 754,436
6 Claims. (Cl. 24—157)



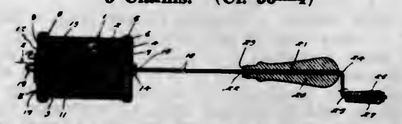
1. A safety catch comprising a base with a pair of hook-shaped ears extending therefrom, means for securing said ears in fixed relation at said base, hook closure means movably mounted between said ears, and a finger provided on one ear at the hook tip thereof and extending across the tip of the other hook ear and bent over a portion thereof to hold the ears in fixed relation against separation and maintain said closure means in operative position therein.

2,041,368
ELECTRIC CONTROL SYSTEM
Bernard E. O'Hagan, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application July 14, 1932, Serial No. 622,507
9 Claims. (Cl. 177—353)



1. A control system including a pair of wires extending between two spaced locations, a current source at one location for supplying alternating current to said wires, means including a rectifier at the other location receiving alternating current from said wires and supplying coded direct current at different codes to said wires, a code responsive means at the first mentioned location connected with said wires and selectively influenced by the different codes of direct current for establishing different operating conditions of an operating mechanism, means controlled by said code responsive means for coding at different codes the alternating current, means controlled by the operating mechanism for governing the connection of said source to said wires, and code following means at said other location selectively responsive to the different codes of alternating current for establishing different conditions of an indicating mechanism.

2,041,369
POPCORN POPPER
Sterling P. Pickett, Madison, Mo.
Application September 21, 1935, Serial No. 41,610
5 Claims. (Cl. 53—4)



1. A device of the character described comprising a screen cylinder, a plate covering each end of the cylinder, one of said plates having a central opening therethrough and the other plate having two openings therethrough, a shaft extending through the central portion of one plate, and through one of the two openings of the other plate and having a reversely bent portion projecting back through the other of the said two openings, whereby the shaft and the two-opening plate are locked together, means carried by the shaft and abutting the outer side of the plate having the single opening for locking the shaft, cylinder, and plates together, means facilitating the introduction of material into the cylinder, and handle means carried by the shaft facilitating the rotation of the shaft and cylinder.

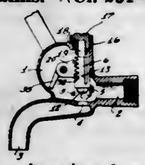
2,041,370
DISPLAY STAND
Victor Vear Pottorff, Tucson, Ariz.
Application December 4, 1935, Serial No. 52,890
1 Claim. (Cl. 248—159)



A device of the class described comprising a base, a tubular upright rising from the base, legs depending from the base, levers pivoted to the legs adjacent the outer ends of said levers, caster members connected with the outer ends of said levers, a member connected to the inner ends of said levers, a rod passing through the tubular upright and connected with the member, the up-

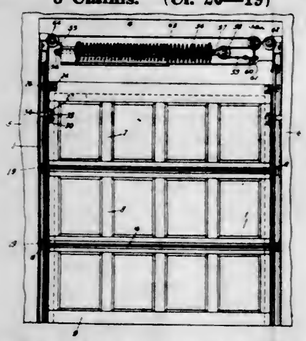
per end of the rod being threaded and projecting from the top of the upright, and a nut threaded on said threaded portion and contacting the upper end of the upright.

2,041,371
BEER FAUCET
Frank E. Rice, Detroit, Mich.
Application June 5, 1934, Serial No. 729,051
8 Claims. (Cl. 251—42)



2. In a faucet, a housing formed with a valve seat, a valve plug in said housing, rack teeth on said plug, a manually movable sector gear normally meshing with said rack teeth, means in said housing for limiting movement of said plug to maintain said sector gear in mesh with said rack teeth, said means being removable to permit said sector gear and rack teeth to be moved out of mesh, and means carried by said sector and engaging said plug when said sector gear and rack teeth are out of mesh for imparting movement to said plug by rotation of said sector gear.

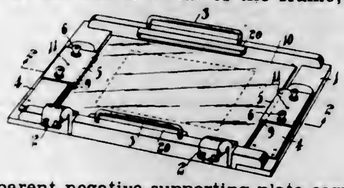
2,041,372
DOOR STRUCTURE
Albert Rush, Columbus, Ohio; Alphonse Roesch, administrator de bonis non of said Albert Rush, deceased, assignor to The Kinnear Manufacturing Company
Application June 23, 1930, Serial No. 463,230
8 Claims. (Cl. 20—19)



1. Door structure comprising a door comprising a plurality of hinged sections, track-ways, means for guiding said door by said track-ways, an inclined plane member upon the upper section of said door, and a member independent of said track-ways for exerting pressure upon said inclined plane member as the door approaches closed position to swing said upper section into firmly abutting relation to the lintel of the doorway.

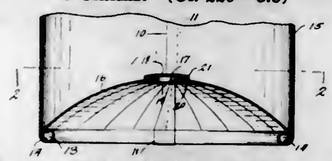
2,041,373
NEGATIVE CARRIER FOR PHOTOGRAPHIC PRINTING MACHINES
Henry E. Saunders, Toronto, Ontario, Canada
Application May 15, 1935, Serial No. 21,531
13 Claims. (Cl. 95—76)

1. In a negative carrier, the combination of an open frame; a pair of flexible supports each secured at one end to a side of the frame; and a



transparent negative supporting plate carried by the other end of said supports.

2,041,374
PARAFFINED PAPER RECEPTACLE
Joseph J. Schmerler, New York, N. Y.
Application July 17, 1934, Serial No. 735,667
8 Claims. (Cl. 229—5.5)



6. A receptacle of the character described formed of a single sheet of flexible material shaped to approximately tubular form and secured along the longitudinal marginal edges, the bottom of the receptacle being formed by an inwardly extending radially folded integral lower end of the sheet, and a central two-part button clamping against the opposed surfaces of the margin of the opening at the center of said bottom, the bottom having an upwardly domical shape.

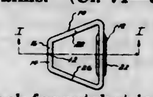
7. A receptacle of the character described having an upwardly domical integral bottom, the side wall of the receptacle and the bottom at the junction of the bottom with the side wall being upwardly, outwardly, and downwardly turned to form a reinforcing ring.

2,041,375
PAPER RECEPTACLE AND CLOSURE THEREFOR
Joseph J. Schmerler, New York, N. Y.
Application January 5, 1935, Serial No. 560
10 Claims. (Cl. 229—1.5)



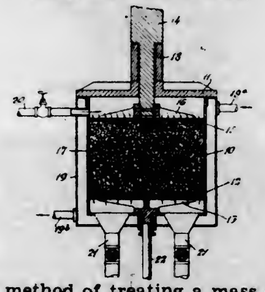
1. A seamless paper receptacle having a cylindrical lower portion, the upper end being formed with opposed and longitudinally extending downwardly tapering re-entrant folds, the upper end of the receptacle adjacent the folds having tabs folded downward one over the adjacent wall of each of the re-entrant folds and pasted to this wall, the confronting outer faces of the folds being pasted to each other.

2,041,376
SUPPORTING BAR AND RACK
Frank W. Schmidt, Jackson, Mich., assignor to Ryerson & Haynes, Inc., Jackson, Mich., a corporation of Michigan
Original application June 10, 1935, Serial No. 25,826. Divided and this application June 22, 1935, Serial No. 27,851
3 Claims. (Cl. 74—575)



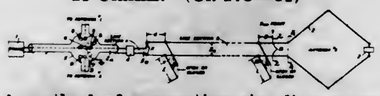
3. A bar and rack for ratchet jack structure and the like comprising a hollow sheet metal structure closed in cross-section and having one side with teeth therein, and opposed sides adjacent said first named side, said opposed sides being non-parallel and converging toward each other.

2,041,377
MANUFACTURE OF CORK ARTICLES
Quirin J. Schwarz, Rutherford, N. J., assignor to United Cork Companies, Lyndhurst, N. J., a corporation of Delaware
Application December 5, 1935, Serial No. 52,999
3 Claims. (Cl. 18—48)



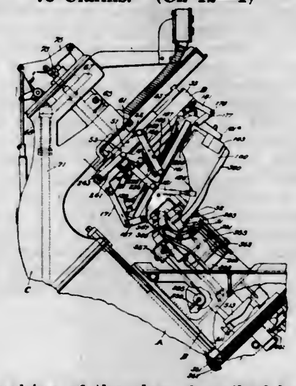
1. The method of treating a mass of particles of natural cork, which consists in closely confining such mass within a treating chamber, without exerting any substantial degree of external pressure thereupon, passing a hot non-oxidizing gas through the mass of particles, while the volume of the mass is maintained substantially constant, until the desired proportion of resins has been removed therefrom and the cork has been conditioned, and then compressing such mass while still confined within said chamber.

2,041,378
HIGH FREQUENCY TRANSMISSION SYSTEM
Phillip H. Smith, Oakhurst, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 26, 1932, Serial No. 601,445
15 Claims. (Cl. 178—44)



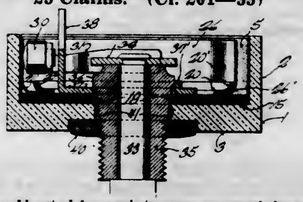
1. A method of preventing standing waves on a portion of a transmission line connected between a source of energy and a load utilizing a substantially pure reactance which comprises determining the ratio of the maximum and minimum standing wave amplitudes, ascertaining a current maximum point on said line and connecting a pure reactance having a value dependent upon said ratio across the line at a point located at a distance from the ascertained current maximum point dependent upon said ratio and less than an eighth of a wave length.

2,041,379
FOXING LAYING MACHINE
Ernest W. Stacey, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application November 23, 1933, Serial No. 699,423
78 Claims. (Cl. 12—1)



1. A machine of the class described having, in combination, a holder for a shoe, a foxing-applying tool, and means for imparting movements of rotation and translation to the shoe holder to cause the foxing area of the shoe to be traversed by the tool.

2,041,380
ADJUSTABLE RESISTANCE
Erwin R. Stoekle, Milwaukee, Wis., assignor to Central Radio Laboratories, Inc., Milwaukee, Wis., a corporation of Wisconsin
Application July 7, 1933, Serial No. 679,291
25 Claims. (Cl. 201—55)



3. An adjustable resistance comprising a housing, a resistor disposed against a wall thereof, terminals engageable with said resistor, a deformable member engageable with said terminals to clamp them against the resistor, adjustable contact means cooperable with said resistor, a mounting for said adjustable means, said mounting, in its operative position, being cooperable with said deformable member to deform the same to press the terminals against the resistor, and means for securing said mounting in operative position in said housing.

13. An adjustable resistance comprising an insulating housing, a resistor disposed within the housing and against a wall thereof, terminals having portions engageable with the resistor, a split expansible washer having its periphery engageable with said portions of the terminals, a mounting bushing having a tapered portion engageable with said split washer for expanding the

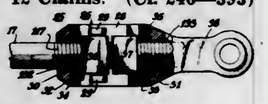
same, a nut threaded on said bushing and cooperable with the housing for securing the bushing in place and causing its tapered portion to expand the washer into engagement with the terminals whereby to cause the terminals to clamp the resistor in position, and rotatable contact means mounted on said bushing and cooperable with the resistor.

21. An adjustable resistance comprising a housing, a resistor disposed within the housing and insulated therefrom, terminals electrically connected to the ends of said resistor, a conducting disc of smaller diameter than the inside diameter of said resistor mounted within the confines of the latter in spaced relation thereto and concentric therewith, the periphery of said disc and the opposed surface of said resistor defining spaced contact surfaces, a flexible conducting ring loosely fitting about said disc between the latter and said resistor, a terminal electrically connected to said disc, and adjustable means adapted to flex said ring into firm contact with said resistor at a variable location along the latter and simultaneously to engage said ring in firm though correspondingly variable contact with the peripheral contact surface of said disc whereby the resistance between said last mentioned terminal and either of said first mentioned terminals may be varied.

2,041,381
PEN POINT
Johann Simon Streicher, Newark, N. J., assignor to American Platinum Works, Newark, N. J., a corporation of New Jersey
No Drawing. Application March 19, 1934, Serial No. 716,329
1 Claim. (Cl. 120—109)

A pen point constructed of a silver solder comprising principally 75 parts of silver, 15 parts of copper and 10 parts of zinc.

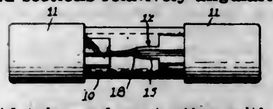
2,041,382
SAFETY CONNECTING ROD FOR SWITCH STANDS
James B. Strong, New York, N. Y., assignor to Ramapo Ajax Corporation, New York, N. Y., a corporation of New York
Application August 8, 1932, Serial No. 627,867
12 Claims. (Cl. 246—393)



1. In railroad track apparatus, a switch stand of the rigid hand throw type having an operating handle and an operating arm with positive power-transmitting mechanism therebetween, a track switch, a connecting rod connecting said arm and switch, said connecting rod having a clevis, said clevis having a safety device incorporated therein, said safety device having a limited range of movement to prevent locking of the switch stand with the switch blocked open, said device being of such resistance to compressional stress as to prevent the setting-up of breaking stresses in said apparatus.

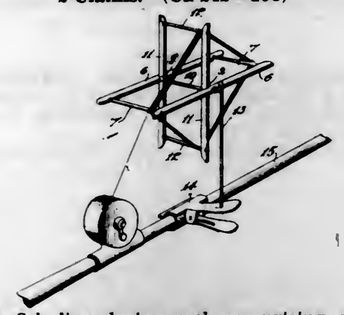
2,041,383
ELECTRIC FUSE
Edward V. Sundt and Bernard Kollath, Chicago, Ill.
Application February 1, 1935, Serial No. 4,555
2 Claims. (Cl. 200—131)

1. A fuse comprising an insulating tube, end terminals therefor, and a fuse element extending longitudinally of said tube and electrically connected to said terminals, said element comprising end sections relatively angularly disposed



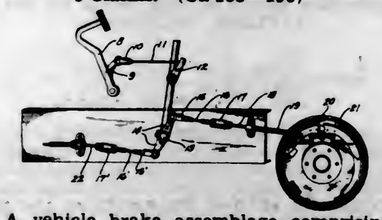
within said tube and contacting with the inner walls thereof and an intermediate helical fusion zone of reduced current carrying capacity integral with said end sections.

2,041,384
LINE DRYING REEL
Hugo Tueckmantel, East Orange, N. J.
Application May 7, 1935, Serial No. 20,181
2 Claims. (Cl. 242—104)



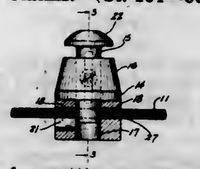
2. A fish line drying reel, comprising an external member having a pair of side bars joined at their ends by rods to form substantially a rectangle, a tubular shaft passing through the midpoints of said side bars, an internal member having side bars joined at their ends by bars to form substantially a rectangle, the over-all width of said internal member being greater than the distance between the side bars of the external member, so that when the internal member is inserted in the external member the side bars of the external member will be bowed outwardly and the side bars of the internal member will be bowed inwardly, the side bars of the internal member being rotatably mounted on the shaft, a rod inserted in said tubular shaft, and a clamp attached to said rod for attaching the fish line drying device to a support.

2,041,385
BRAKE ACTUATING DEVICE
Francis J. Van Laanen, Jr., Green Bay, Wis., assignor to Green Bay Drop Forge Company, Green Bay, Wis., a corporation of Wisconsin
Application February 28, 1935, Serial No. 5,616
6 Claims. (Cl. 188—196)



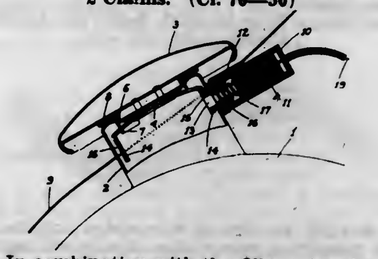
1. A vehicle brake assemblage comprising a brake carried by and displaceable relative to the body of the vehicle with the vehicle wheels, a flexible cable carried by the brake and displaceable therewith, manually operable means carried by the vehicle body, and a connection between said manually operable means and said cable consisting of a pair of cooperating clamping members each having a substantially conical recess therein with the wide portions of the recesses adjacent one another, one of said clamping members having a bore communicating with the recess through which the end of said flexible cable extends and the other of said members having a part provided with an elongated bore within which the cable end may be adjustably positioned, and a plural part sleeve having the same exterior shape as the combined conical recess, said clamping members being in threaded connection with one another to provide for relative movement to cause the several parts of the sleeve to uniformly grip the entire length of the cable part passing therethrough.

2,041,386
CABLE CUTTING DEVICE
Francis J. Van Laanen, Jr., Green Bay, Wis., assignor to Green Bay Drop Forge Company, Green Bay, Wis., a corporation of Wisconsin
Application April 12, 1935, Serial No. 16,021
4 Claims. (Cl. 164—80)



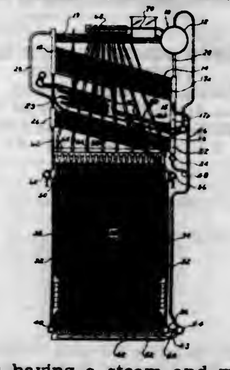
1. A device for cutting a cable comprising a body portion having a vertical bore and having a slot extending laterally inwardly from the front of the device and terminating in a curved inner end portion which communicates with the vertical bore and which is offset downwardly on one side of said bore, the cable being insertable in said slot and guided thereby to cutting position against said curved inner end, and a plunger slidable in said vertical bore and having an upwardly projecting impact end, said plunger having its lower end formed with a vertically extending slot having a curved upper end portion, said plunger being movable to a position wherein the curved upper end of the plunger slot fits around a portion of the cable to cooperate with the curved inner end of the lateral body slot to hold the cable in proper position and cross sectional shape prior to and during cutting.

2,041,387
FUEL TANK CAP LOCK
Carl B. Adams, Oak, Calif.
Application June 22, 1935, Serial No. 27,964
2 Claims. (Cl. 70—50)



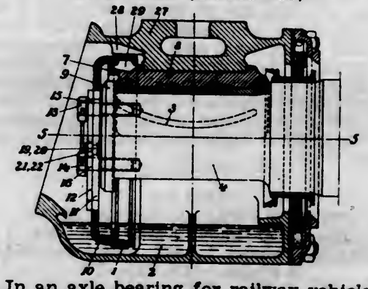
1. In combination with the filler tube of a motor vehicle fuel tank, said tube having a flange adjacent its outer end, a separate closure cap for the tube, a flange engaging cross arm on the inner face of the cap, a finger on one end of the arm depending into the tube, latch means mounted in connection with the filler tube engaging with the finger when the cap is rotated to a predetermined position on the tube, and means operable from within the vehicle to retract the latch means at will.

2,041,388
BOILER
Wilbur H. Armacost, New York, N. Y., assignor to The Superheater Company, New York, N. Y.
Application June 6, 1934, Serial No. 729,190
11 Claims. (Cl. 122—235)



1. A boiler having a steam and water drum, vertically spaced banks of inclined generating tubes, downcomer and riser headers connected to the ends of all the vertical rows of the upper one of said banks, alternate ones of said downcomer headers being extended downwardly and connecting to alternate rows of tubes in the lower bank, relatively short riser headers at the lower end of alternate vertical rows of said lower bank, riser headers at the upper ends of the tubes of said lower bank, a mud drum connecting all the headers at the lower end of said lower bank whereby water from the through headers is supplied to alternate vertical rows of said lower bank through such mud drum to the lower ends of some of said short headers, and means, including riser nipples extending from the upper ends of the upper riser headers of said lower bank, for connecting the tubes of the lower bank to the steam and water drum.

2,041,389
AXLE BEARING FOR RAIL VEHICLES
Victor Alexander Bary, London, England
Application February 16, 1931, Serial No. 516,150
In Great Britain March 3, 1930
16 Claims. (Cl. 308—85)



1. In an axle bearing for railway vehicles the combination comprising an axle box having a

lubricant sump at the bottom thereof, an axle journal, a rotating conveyor ring for the lubricant, said lubricant conveyor ring having a nave portion arranged opposite the front end face of the axle journal, and means connected with said journal and penetrating and permanently interlocking with said nave portion to compel the ring in all possible positions thereof to rotate eccentrically with reference to the journal in the direction of rotation of the journal about an axis lower than that of the latter, said ring being so mounted on the journal that its own weight is effective to move the same to its lowest possible position to maintain a substantially uniform depth of immersion of said ring in the lubricant.

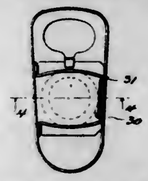
2,041,390
LUBRICATED BEARING FOR RAILROAD VEHICLE AXLES
Victor Alexander Bary, London, England
Application June 12, 1931, Serial No. 543,882
In Germany June 23, 1930
6 Claims. (Cl. 308—83)



1. An axle bearing for rail vehicles comprising, in combination, an axle journal, an axle box, a substantially cylindrical bearing brass in said box, means for delivering lubricant to the top of said brass for distribution upon the journal, said brass at the upper load-bearing section thereof being of greater inner radius than the radius of the journal at both sides of the crown of the brass throughout the length of the latter to provide open-ended wedge-shaped entry spaces at both sides of the area of contact between the journal and brass, said brass being provided with passageways for supplying the lubricant fed to the top thereof to said wedge-shaped entry spaces, and being cut away laterally of the journal below the wedge-shaped entry spaces to a point below the horizontal plane passing through the center of the journal and to such a radial depth that the cutout is capable of receiving the largest roll of lubricant that may form upon the surface of the journal during the rotation of the latter without contact between such roll and the stationary walls of the cutout, the adhesion forces acting upon the roll being thereby reduced to a minimum and the suction effect produced by the rotation of the journal being thereby enabled to overcome the combined forces of limited adhesion and gravity tending to cause the oil to trickle to the bottom of the housing, and such suction effect thereby operating to maintain said roll of lubricant upon the journal and continuing the feed of lubricant even after the lubricant delivering means have become inoperative during the motion of the vehicle, said passageways being in communication with the cutouts below the wedge-shaped entry spaces.

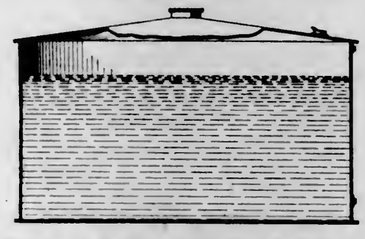
2,041,391
BOTTLE OPENER AND SEALER
George J. Bauch, Milwaukee, Wis.
Application August 7, 1933, Serial No. 684,009
1 Claim. (Cl. 215—37)

A bottle sealing device comprising a body member having a flat body plate and depending side marginal flanges, a pad of compressible material fitted against the top wall between said flanges, means for detachably snapping the body member over a bottle neck with the pad in compressed condition, including a substantially U-shaped spring having spaced resilient legs, a connecting bight portion, oppositely extending lateral feet on the outer ends of the legs, the legs



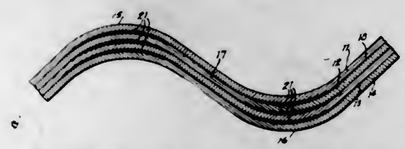
extending transversely across the inner face of the top wall, means for anchoring the bight portion to one side flange, and means for anchoring the feet to the other side flange, said spring being located wholly within the confine of the body plate and side flanges in slightly spaced relation to the pad.

2,041,392
TANK
Albert C. Bean, Kansas City, Mo., and Joseph B. Ray, Fort Worth, Tex.
Application January 7, 1935, Serial No. 640
2 Claims. (Cl. 220—64)



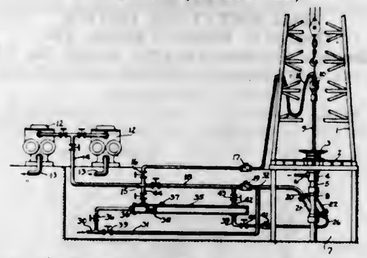
1. In an oil tank, a metallic shell having an internal coating of coal tar pitch in the form of an impervious film in direct contact with the metallic shell to protect the same against internal corrosion, said film having sufficient fibrous binder incorporated therein to prevent said film from flowing.

2,041,393
CORRUGATED LAMINATED SHEATHING
Paul O. Beeson, St. Louis, Mo., assignor to The Ruberoid Co., New York, N. Y., a corporation of New Jersey
Application May 15, 1934, Serial No. 725,693
2 Claims. (Cl. 154—33)



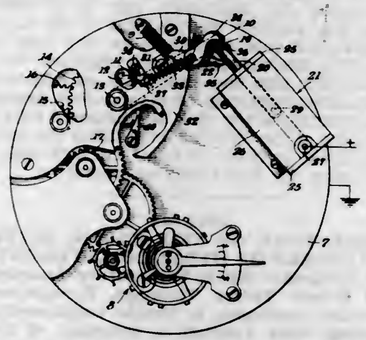
2. A rigid, laminated, corrugated asbestos-cement sheathing, comprising superposed laminations having increments interposed between the laminations at the crests and troughs and which permanently unite the opposed laminations.

2,041,394
FIRE EXTINGUISHER AND BLOWOUT PREVENTER
Mark Belcher, Daisetta, Tex.
Application July 27, 1935, Serial No. 33,455
9 Claims. (Cl. 166—15)



1. In combination with a well casing, a drill stem operating therein, and pumps arranged to pump mud downwardly through said drill stem, a fitting in said casing, and fluid conducting pipes from said pumps to said fitting, whereby mud may be discharged downwardly into said casing outside said drill stem.

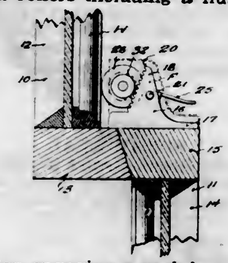
2,041,395
ELECTRIC CLOCK
Joseph Berti, Brooklyn, N. Y., assignor to Phinney-Walker Co. Inc., New York, N. Y., a corporation of New York
Application September 5, 1934, Serial No. 742,753
7 Claims. (Cl. 185—40)



1. Electric clock or similar mechanism, comprising in combination, a spring tensioned lever, a solenoid, a core actuated by said solenoid, an insulating connection between said core and said spring tensioned lever, means for connecting said core in circuit with the solenoid, a contact element on said core and a spring toggle switch lever having a part in cooperative relation to said contact element on the solenoid core.

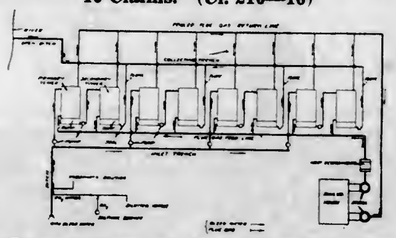
2,041,396
CLOSURE FASTENER
John R. Burbridge, Kenosha, Wis.
Application June 22, 1934, Serial No. 731,827
2 Claims. (Cl. 292—261)

2. A sash fastener comprising a bracket including an attaching portion and a pair of upstanding, spaced, parallel side plates having inclined rack bars formed on their forward edges, a cross-pin carried by said side plates, a lever loosely and rockably mounted upon the pin, a bearing on the lever, a shaft in the bearing, and a pair of rollers rotatably mounted on the shaft, each of said rollers including a hub having an



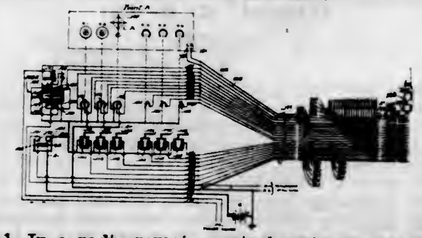
integral pinion engaging a rack bar, and a compressible tire on the hub at one side of the pinion.

2,041,397
TREATING SULPHUR-MINING BLEED-WATER
Carl E. Butterworth, New Gulf, and James W. Schwab, Gulf, Tex., assignors to The Koppers Company of Delaware, a corporation of Delaware
Application September 25, 1934, Serial No. 745,489
10 Claims. (Cl. 210—16)



1. In a process of treating sulphur-mining bleed-water containing calcium bicarbonate which comprises subjecting it to sweeping action of sweep gas in a chamber tower equipped with baffles therefor to sweep out hydrogen sulphide from the water, the improvement comprising reacting on said water with weak soluble sulphite in amount sufficient to prevent deposition of sulphur in the aforesaid tower and on the baffles but insufficient to react with H_2S in the water to form elemental sulphur.

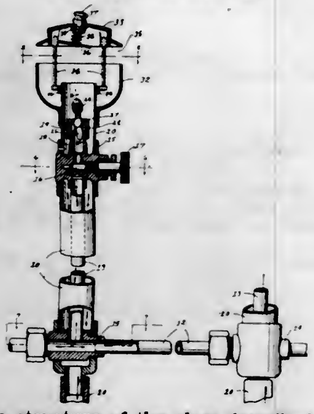
2,041,398
REMOTE CONTROL SYSTEM
Herbert L. Carpenter, Brooklyn, N. Y.
Application January 25, 1928, Serial No. 249,403
2 Claims. (Cl. 177—311)



1. In a radio remote control system, a receiving station having a plurality of movable members, a plurality of remote control stations, means for connecting any of said control stations with said receiving station, means cooperating with the first means for moving any of said movable

members at said receiving station from any of said remote control stations, and indicating means at each control station operated in response to the operation of the second means at another station for indicating the position of the movable member being controlled.

2,041,399
SPRAY HEAD
Martin De Graaf, Grand Rapids, Mich.
Application March 1, 1934, Serial No. 713,501
5 Claims. (Cl. 299—58)



1. In a structure of the class described, a water supply conduit having an angularly adjustable nozzle, a housing associated with respect to the conduit spacedly encircling the nozzle and provided with a vapor emitting opening, and a vaporizing baffle secured to and depending within the housing.

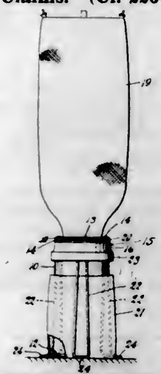
3. In a structure of the class described, a water supply conduit having a nozzle, a housing associated with respect to the conduit spacedly encircling the nozzle and provided with a vapor emitting opening, and an angularly adjustable vaporizing baffle secured to and depending within the housing.

2,041,400
HINGED LAST
Eugene J. Dumas, Salem, Mass., assignor, by mesne assignments, of one-half to Daniel W. Benham, Middleton, Mass., and one-half to Lewis Siegel, Lynn, Mass., doing business as North Shore Last Co.
Application October 1, 1934, Serial No. 746,307
18 Claims. (Cl. 12—136)



1. A two-part last, the parts of which are movable about a predetermined axis and provided with alined vertical slots; transverse pins in said parts extending across said slots; a connector in said slots through the opposite ends of which said pins extend, said connector consisting of a plurality of plates having elongated openings therein, one of said plates having an elongated in hole in one end and another having an elongated pin hole in the opposite end; and a curved spring plate within said openings and engaging both plates between said pins.

2,041,401
BAG EMPTYING DEVICE
George S. Eldred, Chicago, Ill.
Application January 14, 1935, Serial No. 1,673
6 Claims. (Cl. 226—58)



1. A bag emptying device comprising a cylindrical member having an opening at each end thereof and of a diameter capable of being inserted in a sack with the lower end thereof closed by the lower portion of the sack, means at the upper end of said member for removably attaching thereto the discharge end of a vacuum cleaner bag whereby the contents of the bag can be discharged into said member, the said contents being discharged through the lower end of said member into the sack upon withdrawal of said member from the sack, and foot pressable means exterior of the sack and disposed adjacent the bottom of the cylinder for holding the bottom of the latter in dust confining contact with the sack during the bag emptying operation.

2,041,402
MANUFACTURE OF NEW ENOLIC SULPHURIC ESTERS OF HYDROINDANTHRONES
David Alexander Whyte Fairweather, Lauriston, and Robert Fraser Thomson, Grangemouth, Scotland, assignors, by mesne assignments, to Scottish Dyes Limited, a company of Great Britain
No Drawing. Application May 26, 1932, Serial No. 613,764. In Great Britain June 1, 1931
14 Claims. (Cl. 260—31)

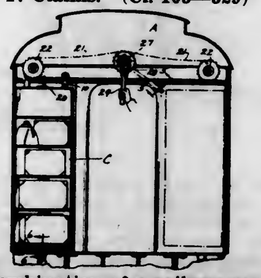
9. Disulphuric enolic esters of a dianthrahydroquinoneazine in which the sulphuric ester groups are attached to different anthraquinone nuclei.

2,041,403
CLOSURE CAP FOR RECEPTACLES
Alan R. Fergusson, New York, N. Y.
Application September 17, 1932, Serial No. 633,581
10 Claims. (Cl. 215—43)



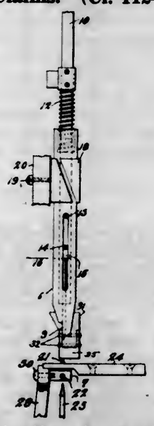
1. In a closure cap for receptacles having a mouth, a pair of nested cup members, the inner cup member concealed by the outer cup member and having a threaded skirt and an inwardly depressed end wall to engage within the receptacle mouth, and said depressed end wall having circumferentially spaced slits extending radially from adjacent the center to within the juncture of said wall with the skirt of the cup member.

2,041,404
LUGGAGE HANDLING DEVICE FOR RAILWAY CARS
Benjamin F. Fitch, Greenwich, Conn.
Application October 24, 1932, Serial No. 639,280
17 Claims. (Cl. 105—329)



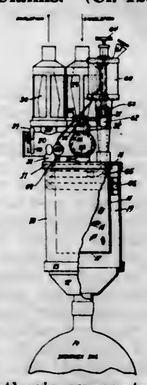
1. The combination of a railway car, having a vestibuled platform at the end thereof, an overhead trackway in the roof of said vestibule, a suspended carrier on said trackway, an endless chain in the roof of the vestibule connected with the carrier, and means for operating the chain to shift the carrier from one side of the vestibule to the other.

2,041,405
STITCHING MACHINE
Charles L. Flindt, San Jose, Calif.
Application November 19, 1928, Serial No. 320,500
5 Claims. (Cl. 112—34)



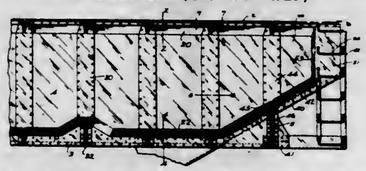
1. The combination in a stitching machine which employs an awl and needle, of a presser foot equipped with a rim for fitting on and engaging the welt of a shoe and holding it during the stitching operation, means for holding the upper of the shoe away from the path of the awl and needle comprising an extension on one side above the rim and in connection therewith, a taper pointed awl mounted to enable the perforating end thereof to contact and operate alongside the said rim and perforate guide holes in the welt of the shoe for the needle to follow, and a guide for the awl mounted to contact the perforating end of the said awl and cooperate with the said rim to direct the awl and prevent bending and deflecting thereof from its true course as it functions and make possible the stitching of the soles on shoes which have a slight margin of welt and sole overhang.

2,041,406
ANESTHETIC APPARATUS
Richard V. Foregger, Roslyn, N. Y.
Application July 17, 1935, Serial No. 31,787
15 Claims. (Cl. 128—191)



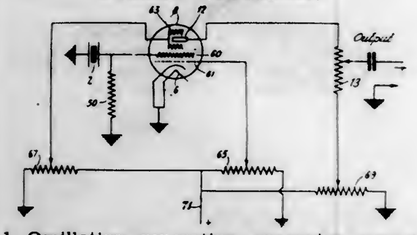
1. In an anesthesia apparatus of the character described including a face piece, a breather bag and mechanisms for administering the anesthetic forming a continuous inhalation passage from the breather bag and to the face piece and a separate continuous exhalation passage from the face piece and to the bag, a filter in said inhalation passage located between the face piece and the bag for absorbing exhaled carbon dioxide and means in said inhalation passage forming an inhalation chamber around and apart from said filter.

2,041,407
RAILWAY CAR CONSTRUCTION
Garth G. Gilpin, Riverside, Ill., assignor to Union Metal Products Company, Chicago, Ill., a corporation of Delaware
Application March 21, 1932, Serial No. 600,209
12 Claims. (Cl. 105—249)



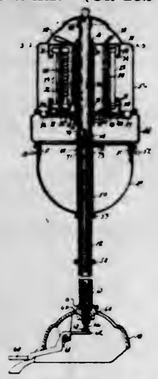
1. A wall for a railway car comprising a longitudinally extending frame member, wall sheets, each sheet having a side marginal portion, an end marginal portion, a central portion in a spaced apart plane from said marginal portions with a web connecting the central portion and the marginal portions, said end marginal portions being secured to said frame member and said side marginal portions of adjacent sheets being secured together, and a cover plate secured to the central portions of adjacent sheets, one end of the cover plate folded to form a corrugation with outwardly extending flanges which are secured to said frame member.

2,041,408
CRYSTAL CONTROLLED OSCILLATOR
De Witt R. Goddard, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application June 4, 1931, Serial No. 542,091. Divided and this application July 8, 1932, Serial No. 621,413
5 Claims. (Cl. 250—36)



1. Oscillation generating apparatus comprising an electron discharge device having an anode, a cathode, a grid adjacent said cathode, a grid adjacent said anode and a grid intermediate said grids, a non-reactive resistor connected between said anode and cathode, a two electrode piezo-electric crystal connected between said intermediate grid and said cathode, a resistance connected between said intermediate grid and cathode for establishing a suitable bias thereon, a circuit connected between the grid adjacent the cathode and the cathode for maintaining said grid adjacent the cathode highly positive with respect to said cathode, and, a polarizing circuit connected between the grid adjacent said anode and said cathode for maintaining said last mentioned grid at a suitable operating potential.

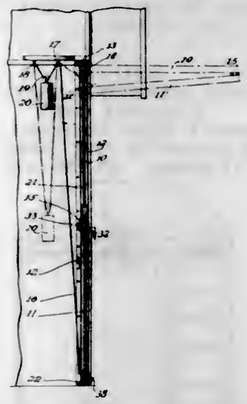
2,041,409
PERMANENT HAIR WAVING APPARATUS
Louis Goldenberg, Brooklyn, N. Y.
Application April 16, 1935, Serial No. 16,562
7 Claims. (Cl. 132—31)



1. In a device of the nature described, a hollow central support, a heating element carrying section carried by the said support, a cover normally covering the said section, releasable means in the support for holding the said cover in normal position, and a spring for raising the said cover when the said holding means is released.

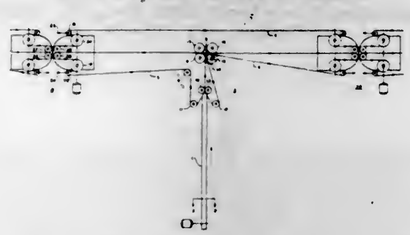
2,041,410
GARAGE DOOR
Frank O. Goodman, Chicago, Ill.
Application April 26, 1935, Serial No. 18,298
6 Claims. (Cl. 20—20)

1. A door comprising sections hinged together and hinged by one section to a structure defining a door opening, an angle iron mounted on said door defining structure having a projecting flange adapted to serve as a stop for said door sections, a roller on another section engaging one side of



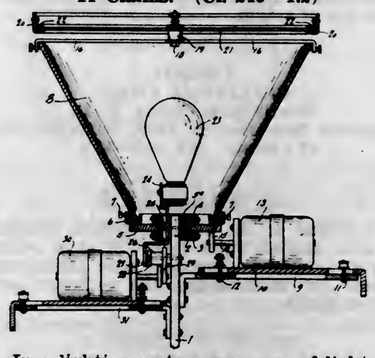
said angle iron flange, a roller engaging the other side of said angle iron flange, a pivot for last said roller, and a link pivotally supporting said pivot on last said section.

2,041,411
COPY CONVEYER
Ferdinand G. Henry, Moline, Ill., assignor to International Communications Laboratories, Inc., Newark, N. J., a corporation of New York
Application March 17, 1932, Serial No. 599,508
7 Claims. (Cl. 198—165)



1. In a conveyer system, the combination of two independently operable conveyer sections, an intermediate conveyer section, an article supply source for said intermediate conveyer section, and means for rendering said intermediate conveyer section operable to receive simultaneously articles from one of said former conveyer sections and from said supply source and to deliver the received articles to the other of said former sections, said intermediate section comprising an endless main belt extending throughout the length thereof, a second endless belt co-operating with the main belt for a portion of the length of the intermediate section, and a third endless belt co-operating with the main belt for another portion of said section length for receiving articles from said one conveyer section and delivering them to a conveyer formed by co-operation of said second and said main endless belts, and co-operating with said second endless belt for receiving articles from said supply source and delivering them to the conveyer formed by co-operation of said second and said main endless belts.

2,041,412
LIGHTING SYSTEM
John H. Homrighous, Oak Park, Ill.
Application November 8, 1933, Serial No. 697,105
11 Claims. (Cl. 240—1.2)



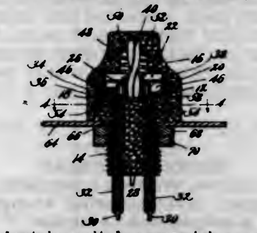
1. In a lighting system, a source of light, a reflector therefor having a multicolored reflecting surface, a screen having sections of different color mounted on the reflector, said screen adjustable to vary the relation of the color section in the screen to the colors on the reflector.

2,041,413
HAIR CURLER
Marie R. Indahl, New York, N. Y.
Application May 5, 1934, Serial No. 724,017
6 Claims. (Cl. 132—41)



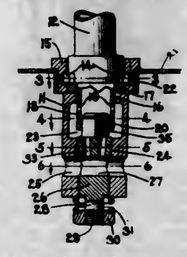
1. A hair curling device, comprising a frame-like main body consisting of an endblock and a two-legged loop hinged to said endblock, an arm extending close to the side of the one leg of the loop, in combination with a U-shaped hair pin slidably mounted within the said endblock, and with the shanks of the pin pointing toward the loop.

2,041,414
ELECTRIC SWITCH
Gustaf A. Johnson, New Bedford, Mass.
Application February 20, 1934, Serial No. 712,165
15 Claims. (Cl. 200—63)



15. An electric switch comprising an insulating base having a shank portion of restricted diameter for mounting in a canopy with the base in engagement with the outer face thereof, said base having its top face recessed to provide an annular recess and a central annular boss, a hollow cap or finger piece rotatably mounted on said base and having a flange enclosing and concealing the sides of said base, a split-ring intermediate said base and the flange of said cap for locking said cap on said base while permitting free rotation thereof, a pair of fixed contacts mounted at opposite points on the floor of said annular recess, a spindle anchored at one end in said cap to rotate with it and having its other end loosely mounted in said boss, a movable contact mounted on said spindle to turn with it into and out of bridging engagement with said fixed contacts, said movable contact being movable longitudinally said spindle, and a spring mounted on said spindle for holding said movable contact in operative position.

2,041,415
GROUND KEY VALVE
Paul A. Johnson, Grand Haven, Mich.
Application August 16, 1934, Serial No. 740,077
1 Claim. (Cl. 284—14)

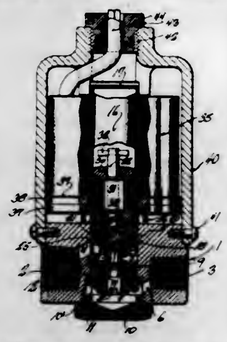


A valve for beer barrels comprising a body having a passageway therethrough, said passageway being of tapered shape near one end, the taper being toward the closed end of body whereby the passageway is smallest adjacent the said end, said body having a straight port extending entirely therethrough and crossing the tapered shaped portion of the passageway at right angles thereto, a plug, having a straight opening therethrough, revolubly seated in the tapered part of the passageway, means for holding the plug tightly in its seated position, a relatively long projection of diamond cross sectional shape rigidly formed upon the top of the plug and extending upwardly into said passageway whereby the plug may be turned, thereby, said plug having a plurality of passages extending downwardly therethrough to connect with the opening through the plug whereby the beer may flow from the plug opening and then upwardly through the plurality of passages into the said passageway, said plurality of passages being located immediately adjacent the said projection and said relatively long projection being of sufficient length to have a space between the means for turning the projection and the top of the plug whereby a predetermined flow of liquid is assured.

2,041,416
SOLENOID VALVE
Roy W. Johnson, Milwaukee, Wis.
Application October 3, 1932, Serial No. 636,003
4 Claims. (Cl. 137—139)

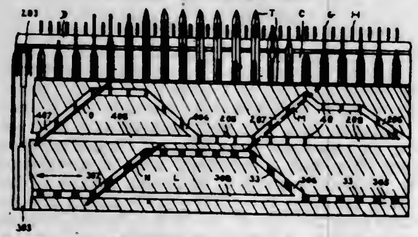
1. A solenoid valve comprising a valve casing having an inlet and an outlet and provided with a valve chamber therebetween, a ported partition having a valve seat and disposed in said chamber, the inlet and outlet communicating with the chamber above and below said partition, respectively, a tube having its upper end closed and its

lower open end secured and sealed to the wall of the valve chamber above said partition, a valve stem having a head at its lower end provided with a flat lower face, a flat disc of tough elastic material fastened to said face and engageable with the valve seat in the closed position of the valve, a hollow core slidably fitted in said tube and having a longitudinal opening accommodating said stem, said stem projecting beyond the upper end of the core and having an abutment spaced from the upper end of the core in the closed position of the valve, and an electro-magnetic winding coiled about the tube and operatively related to the core



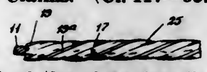
and acting when energized to pull said core up along said stem and into impacting engagement with said abutment to open said valve with a snap action, said core, said stem and said abutment being so dimensioned with respect to the tube and so related to the electro-magnetic winding that in the open position of the valve these parts float in the tube to obtain noiseless operation, said core dropping into engagement with said head and aiding in the seating of the valve and in holding the same properly seated when the winding is de-energized.

2,041,417
KNITTING MACHINE
Philip Kaplan, Lowell, Mass.
Application December 18, 1933, Serial No. 702,943
4 Claims. (Cl. 66—24)



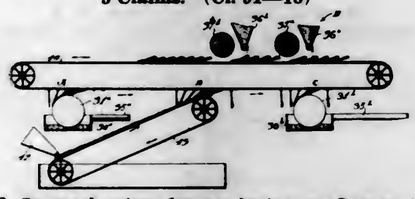
3. The combination in a circular knitting machine of two sets of longitudinally slidable latch needles some of which are positioned in the same plane at substantially right angles with each other and with their hooks in proximity; of a set of transfer needles positioned between some of the latch needles which are at substantially right angles with each other and in the same plane, each transfer needle being pointed at its end which is nearest the hook of the adjoining latch needle said point being split to form an eye the upper inside edges of which slope towards each other, said point being in contact with and slidable along the edge of such latch needle which is opposite the hook and said eye being of a width to permit the passage of one of the other latch needles which is at right angles thereto and in the same plane; together with means for reciprocating both sets of latch needles and of transfer needles and of throwing some or all of each set into or out of action.

2,041,418
CELLULOSE CORD
Morris Katz, Bronx, N. Y.
Application December 21, 1935, Serial No. 55,525
12 Claims. (Cl. 117—53.5)



1. A strand of the class described, consisting of a core, and an outer jacket of strip cellulose material arranged upon said core containing a saturant for maintaining the cellulose jacket soft and pliable.

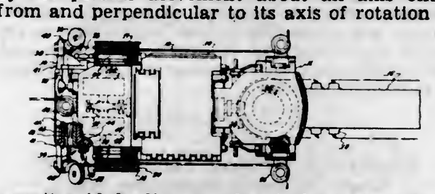
2,041,419
APPARATUS FOR MAKING ROOFING
Lester Kirschbraun, New York, N. Y., assignor, by mesne assignments, to The Patent and Licensing Corporation, Boston, Mass., a corporation of Massachusetts
Original application August 1, 1929, Serial No. 382,632. Divided and this application November 16, 1932, Serial No. 642,833
5 Claims. (Cl. 91—18)



3. In mechanism for producing roofing materials, means for supporting a series of precut roofing elements and for progressively moving the series forwardly, said means including means for movably securing said elements to said supporting means in a vertical position for a portion of their travel, means for applying adhesive coating material to the lower portion of a face of said elements while thus supported, means cooperating with said securing means for positioning said elements in substantially horizontal position subsequent to the coating application, said securing means being spaced from each other along said supporting means a distance which is less than the length of said elements from top to butt to provide for partial overlapping of said elements with their coated portion exposed when in said horizontal position, and means for applying granular surfacing material to said coated portion of said elements while they are in said overlapped position.

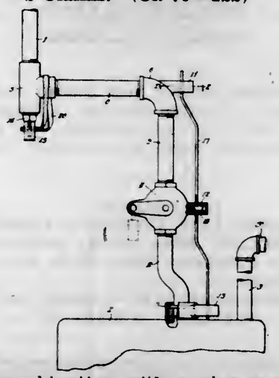
2,041,420
MINING MACHINE
Frank A. Lindgren, Western Springs, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application May 21, 1934, Serial No. 726,623
13 Claims. (Cl. 262—30)

6. Guide means for a mining machine flexible feeding member comprising a support member pivotally adjustable about an axis perpendicular to the direction from which said flexible feeding member is trained from its winding drum, a guide sheave pivotally supported thereby for pivotal movement about an axis offset from and perpendicular to its axis of rotation to



permit said feeding member to be trained from said sheave in more than one direction, said support member being hollow to permit said feeding member to be trained therethrough.

2,041,421
SEAL
George E. Loehde, Chicago, Ill.
Application March 6, 1933, Serial No. 659,830
2 Claims. (Cl. 70—122)

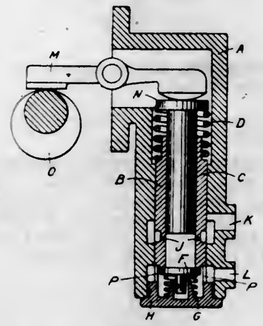


1. The combination with a pipe section of a pair of fittings respectively threaded on the ends of the section, one of said fittings being an L, a lug on each fitting normal to the pipe section, the lug on said L providing a slot parallel to the pipe section, the lug on the other fitting providing a bore normal to the pipe section and a slot parallel to said section and intersecting said bore, the inner portion of the bore being threaded and its outer end being enlarged to form an outwardly convergent counter-sink, a bar extending through both of said slots and having a hole in register with said bore, a threaded element mounted in said bore and extending through said hole, and a seal for the outer end of said bore.

2,041,422
FUEL PUMP FOR INTERNAL COMBUSTION ENGINES
Rudolf L'Orange, Stuttgart-Feuerbach, Germany
Application August 6, 1934, Serial No. 738,700
In Germany August 7, 1933
1 Claim. (Cl. 103—37)

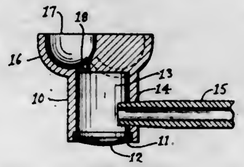
A fuel pump for internal-combustion engines, comprising a cylindrical pump casing, a closing member for one end of said casing, the latter having axially spaced, lateral ports one situated near the closing member and serving as an outlet, the other port serving as an inlet, a pump cylinder arranged in and forming a sliding fit with said casing, the cylinder having lateral suction ports communicating with the inlet of the

casing, stops on said closing member operative to keep the cylinder clear of the outlet of said casing, a spring-controlled delivery valve supported on the closing member and bearing against the end of the cylinder, a reciprocating pump plunger in said cylinder adapted to act by alternately opening and closing the suction ports, a head on said plunger, a cam operated lever arranged to bear against said head for producing



the pump stroke of the plunger, and a spring arranged to bear at one end against the plunger head and at the other end against the cylinder for producing the suction stroke, said spring being operative to urge the cylinder into contact with the stops and to yield to allow the cylinder to be displaced by pressure at the outlet until the suction ports can no longer be opened by the plunger.

2,041,423
SOAP BUBBLE PIPE
George A. Mausolf, Waterbury, Conn.
Application April 19, 1935, Serial No. 17,285
1 Claim. (Cl. 46—7)



In a soap bubble pipe, a hollow bowl having a tubular blowing stem extending therefrom, said bowl comprising a chamber and a plurality of contiguous adjoining cupped sockets communicating therewith, the walls of said sockets being integral with each other and the bowl, whereby the sockets upon dipping may receive simultaneously a plurality of bubble forming films and a unitary cluster of bubbles may be simultaneously produced by blowing through said stem.

2,041,424
PESSARY
William Klie McCormick, Walkerville, and Methven Adamson Stein, Windsor, Ontario, Canada
Application July 17, 1935, Serial No. 31,852
2 Claims. (Cl. 128—131)

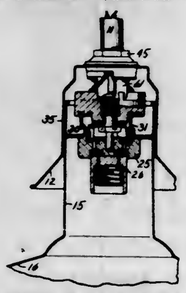
1. A pessary comprising a flexible tube adapted to extend into the cervical orifice and having a mushroom end adapted to fit against the head of the neck of the uterus and through which the tube orifice extends, a bulb at the upper end of

the tube inflatable by fluid passed through the tube and adapted to fit the fundus of the uterus



when so inflated, and means for sealing the lower end of the tube orifice.

2,041,425
SEPARABLE ELECTRIC SOCKET
John A. McKay, Coshocton, Ohio, assignor to The Jones Metal Products Company, West Lafayette, Ohio, a corporation of Ohio
Application February 28, 1934, Serial No. 713,345
10 Claims. (Cl. 173—328)



3. In a separable electric socket, a fixed socket portion, including a cylindrical shell flaring outwardly at one end, a removable socket portion, cylindrical in shape, and adapted to nest with said fixed portion, contact prongs extending from said removable portion, and a ring of substantially equal diameter with said removable portion embracing the prongs, said ring being of sufficient height to prevent contact of the prongs with any other member before engagement with the hood is made.

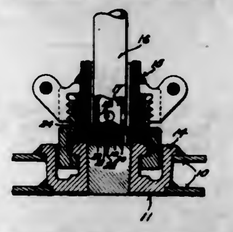
2,041,426
HAIR WAVING APPLIANCE
Eula M. Meyer and Edward C. Duncan, Kansas City, Mo.
Application June 10, 1935, Serial No. 25,710
9 Claims. (Cl. 132—38)

1. In a hair waving appliance, a front member adapted to be applied to the upper and side portions of the face, a top member fastened to said front member and extending rearwardly over



the head, a flexible hair engaging member adapted to be formed into U shape and to be adjusted endwise in the hair and to have its end portions extended across said front member and having means at its middle portion engaging slidably said top member by which, when said hair engaging member is adjusted endwise its middle portion will thereby be moved transversely to its length and lengthwise of said top member, and means for releasably fastening said end portions to said front member.

2,041,427
RESILIENT TIP FOR TAPPING RODS
George T. Meyer, Milwaukee, Wis.
Application October 7, 1933, Serial No. 692,592
6 Claims. (Cl. 225—3)



1. A tapping rod for beer pumps and the like comprising, a tubular member, a flange on the lower extremity of said member, and a resilient tip for releasable application to said flange.

2,041,428
MEANS FOR BENDING TUBING
Walter Milligan, Niles, Mich., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan
Application April 4, 1934, Serial No. 718,928
2 Claims. (Cl. 153—63)

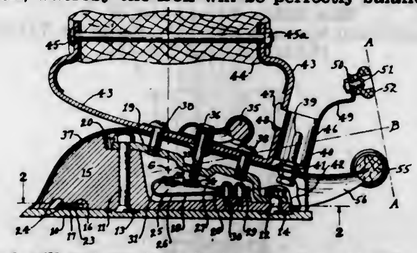


1. Means for maintaining the diameter or cross section of a tube during the bending operation and reinforcing the same during and after such bending, comprising an extensible member adapted to be inserted in said tube and placed under tension but at all times substantially maintaining its diameter or cross section, a block connected to each of the ends of said member and mounted within said tube intermediate the opposite ends thereof, and means for attaching said blocks to the tube whereby when the tube is bent, said member maintains the diameter and cross section thereof and reinforces the same.

2,041,429
ELECTRIC SADIRON
Edward D. Perry, Watertown, Conn., assignor to The Beardsley & Wolcott Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application October 31, 1932, Serial No. 640,383
3 Claims. (Cl. 219—25)

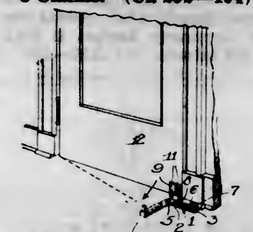
2. In an electric flat-iron, an electrically heated metal sole plate adapted to conduct heat into the work being ironed, means for electrically heating said sole plate, a filler block resting upon said sole plate and having a high forward section and a downwardly tapering rear section, whereby the center of gravity of the iron will be located well forward of the center of the iron, and a horizontal handle secured to said iron with its center

located directly above the center of gravity of the iron, whereby the iron will be perfectly balanced



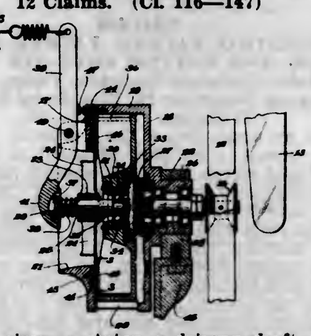
and will not produce fatigue in the user's hand during use.

2,041,430
DOOR STOP
Francis J. Plym, Niles, Mich., assignor to The Kawneer Company, Niles, Mich., a corporation of Michigan
Application January 8, 1934, Serial No. 705,746
3 Claims. (Cl. 292—194)



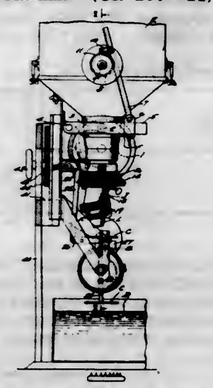
1. A door stop for preventing the opening of a door or other closure beyond a limited amount not sufficient to permit a person to enter therethrough, comprising a member positioned on the floor adjacent the bottom of the door and provided with a rib and projection at the end thereof, and a plate mounted on the inner side of the door adjacent its bottom and provided with a notch, the notch in said plate receiving and guiding the rib as the door is opened and moved over said member and the plate engaging the projection whereby to limit the opening of the door.

2,041,431
SIREN
Harry Ricci, Stapleton, N. Y.
Application July 18, 1935, Serial No. 31,958
12 Claims. (Cl. 116—147)



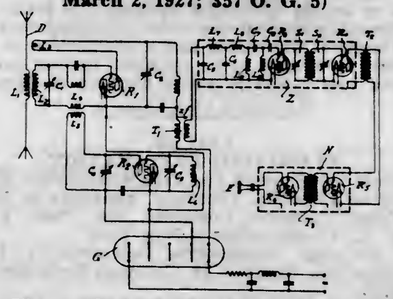
1. In a siren, a stator, a driving shaft axially journaled in said stator, a clutch disc secured to said shaft, a rotor axially journaled in the stator independent of said shaft, a complementary clutch disc secured to said rotor, and means for axially shifting the rotor into and out of a position in which said clutch discs are in engagement.

2,041,432
CRULLER MACHINE
Carl Roth, Astoria, N. Y.
Application July 15, 1933, Serial No. 680,511
7 Claims. (Cl. 107—14)



1. A machine for making crullers or the like, comprising means for positively feeding dough automatically and intermittently holding a predetermined quantity of dough, a table for receiving each predetermined quantity of dough, an outlet from the feeding means having a movable tube for circularly projecting successively each predetermined quantity of dough in a stream onto the table as a separate unit, a mouthpiece on the feed tube rotatable with respect thereto having an outlet edge formed to control the surface of the exuding dough stream.

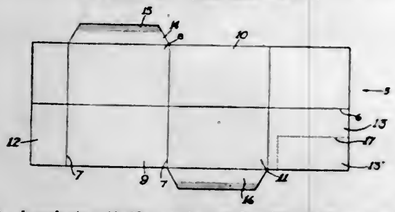
2,041,433
HIGH FREQUENCY RECEIVER
Wilhelm Scheppmann, Berlin-Neutempelhof, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application February 1, 1932, Serial No. 590,213
In Germany January 31, 1931
4 Claims. (Cl. 250—20)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



1. The method of ultrashort wave reception which comprises receiving transmitted modulated ultrashort waves of variable frequency, combining locally generated oscillations of variable frequency with the carrier frequency of the received waves to produce an intermediate frequency, conducting the intermediate frequency through a path having

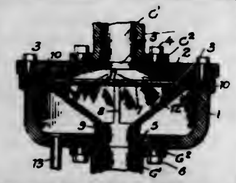
an intermediate frequency transmission band equal to a multiple of the transmitted frequency band, and utilizing the intermediate frequency so conducted to produce a signal.

2,041,434
ENVELOPE
William G. Schram, Mount Vernon, N. Y., and Francis C. Birchall, Toronto, Ontario, Canada
Application October 31, 1933, Serial No. 696,074
3 Claims. (Cl. 229—92.7)



2. A substantially rectangular blank having two central intersecting lines of fold therein, gummed flaps integrally secured to diagonally opposed upper and lower longitudinal edges thereof, and an extension portion integrally secured to one end of said blank.

2,041,435
GAS SEPARATOR
Paul Raymond Schreurs, Muscatine, Iowa
Application July 13, 1934, Serial No. 735,055
8 Claims. (Cl. 183—10)

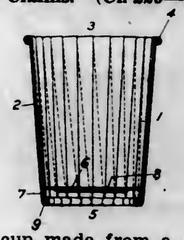


1. A gas separator comprising a casing having gaseous fuel mixture inlet at its upper end adapted to be connected with a carburetor, and having an outlet at its lower end for gases adapted to be connected with an engine intake manifold; and a filter unit in said casing consisting of a plate extending substantially across the casing adjacent the inlet against which the fuel from the carburetor is directed, and a screen impervious to liquids extending between the plate and contracting towards the outlet, the space between the walls of the casing and lower portion of the screen forming a surge chamber for the carburetted fuel before it passes through the screen.

2,041,436
STABILIZED PREPARATION
Werner Schulemann and Fritz Schönhöfer, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application December 21, 1933, Serial No. 703,491. In Germany December 24, 1932
11 Claims. (Cl. 23—250)

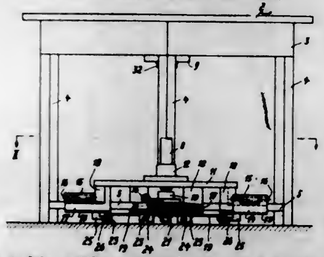
1. Aqueous solution of a basic heterocyclic nitrogen compound selected from the group consisting of quinoline, acridine, thiazine and diazine compounds characterized by the content of a slight percentage of a water-soluble organic sulfhydryl compound.

2,041,437
PAPER OR SIMILAR CUP
Max Sidon, Beechhurst, N. Y.
Application September 14, 1934, Serial No. 743,953
10 Claims. (Cl. 229—21)



1. A paper cup made from a single sheet of paper, the lower end of which has a rolled bead substantially circular in cross-section for stiffening the same.

2,041,438
TABLE
Heinrich Siewers, Kellinghusen, Germany
Application May 8, 1935, Serial No. 20,380
In Germany August 4, 1934
3 Claims. (Cl. 311—33)



1. A table with a circular top and several legs interconnected by a cross stay, comprising in combination a rotary plate arranged in the middle of the table top, a vertical axle carrying said rotary plate, a horizontal driving disc mounted on the lower end of said axle and adapted to be rotated by the foot of a person sitting at the table to rotate said rotary plate, a pedal pivotally mounted on said cross-stay, a brake block connected with said pedal and adapted to bear against the under side of said driving disc, and a spring adapted to swing said pedal to press said block against said disc.

2,041,439
COMBINATION PACKER, PACKER SETTING TOOL, AND BOTTOM SHUT-OFF VALVE
John Christian Singleton, Vinton, La.
Application November 26, 1934, Serial No. 754,864
17 Claims. (Cl. 166—10)

1. In an apparatus of the character described, a well screen; a set shoe mounted on the lower end of said screen; a bottom shutoff valve mechanism mounted in said shoe and including a valve cage with a valve seat, a valve threaded into the cage with a right hand thread and having a passage with a left hand thread at the top; a packer mounted on the upper end of the screen and including an inside sleeve, a packing around the sleeve, a bowl above the packing, a slip in the bowl, the slip and the inside sleeve having cooperating bat-wing threads, and a top sleeve secured above the bowl; a well drill stem and a packer setting tool carried by the stem to fit within said inside sleeve and said screen and

having a lower pipe section provided with a left



hand thread at its end to screw into said valve while the same is open.

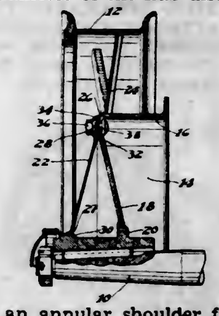
2,041,440
MOUNTING FOR OPHTHALMIC LENSES
George A. Squier, Cleveland, Ohio
Application November 18, 1932, Serial No. 643,228
2 Claims. (Cl. 88—47)



1. An ophthalmic mounting including a rimless lens, a lens clamp for use on said lens, comprising a comparatively short body portion of tubular form made of spring metal and of substantially C-shaped cross-section, the space between the open jaws of said body portion being of less width than the thickness of the outer edge of said lens to which it is to be applied so that the jaws must be forced apart when the outer edge of the lens is inserted between said jaws, the body portion having a diameter which is substantially greater than the thickness of the portion of the lens which is to be inserted therein so that there will be a space within the body portion between the wall thereof and the side surfaces of the portion of the lens inserted therein, the inner surface of said body portion at that side opposite to where the open jaws are formed, serving as a bearing with which the extreme outer edge of said lens will contact, the jaws of said body portion being adapted to grip the side surfaces of said lens, said body portion being arcuately curved throughout its length in accordance with the curvature of the edge of said lens so that said jaws will contact with the side surfaces of said lens along an arcuate line and substantially throughout the length of said body portion.

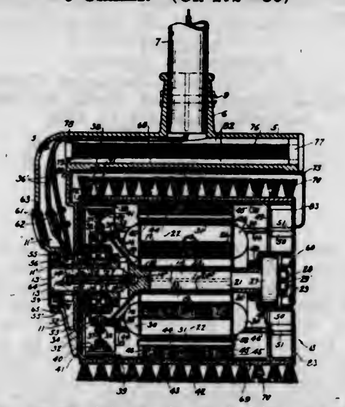
2,041,441
WHEEL
William Stelzer, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application April 8, 1931, Serial No. 528,465
1 Claim. (Cl. 301—6)

A wheel structure comprising a triangular sectioned body member, including a hub, a brake drum having a drum head secured at one end of said hub, and a hub disc secured to the other end of said hub and having its periphery secured to said brake drum head adjacent the periphery thereof, a demountable rim-supporting structure comprising a rim, and a rim-supporting annular disc, said disc being cupped adjacent its inner periphery to embrace said brake drum and extend inwardly over the outer portion of the drum head, the inner periphery of the annular disc being of substantially the same diameter as the outer diameter of the hub disc, and adapted



to seat on an annular shoulder formed by the periphery of the hub disc, said shoulder and engaging portion of annular disc forming a bolt hold circle, an annular flange secured to one of said discs overlapping said shoulder and inner periphery, and a series of bolts arranged on the bolt circle passing through said annular flange and brake drum head.

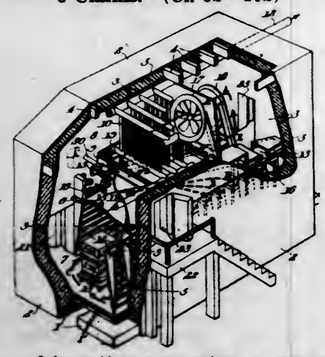
2,041,442
FLOOR POLISHING MACHINE
Edgar Stanley Stinsman, Wenatchee, Wash., assignor of one-half to Harry M. Madden, Seattle, Wash.
Original application September 9, 1930, Serial No. 480,646. Divided and this application June 19, 1934, Serial No. 731,228
9 Claims. (Cl. 172—36)



6. In an electric motor polishing machine, a hollow frame member, a tubular handle providing an air duct connection with said frame member, removable air strainer means in said frame member, a spindle having one end mounted in and providing an air duct connection with the interior of said frame member, a motor stator element containing longitudinal air ducts fixedly mounted on said spindle, a rotor member exterior of said stator element rotatively mounted on said spindle and providing air chambers at the opposite ends thereof connected by the air ducts in said stator with one of said chambers connecting with the air duct in said spindle, and fan means in the interior of said rotor member adapted to cause cooling air to flow through said tubular

handle, said air strainer means and said air chambers, and to discharge said air through apertures in said rotor member, when said rotor member is rotating.

2,041,443
REFRIGERATION APPARATUS PARTICULARLY ADAPTED FOR FREEZING FISH
Carl Sundbach, Weymouth, Mass.
Application July 16, 1935, Serial No. 31,690
6 Claims. (Cl. 62—102)



1. In refrigeration apparatus, a compartment, partitions in said compartment defining a storage chamber, an air cooling chamber, and an air tunnel interposed between and separating said chambers, said air tunnel having separate passages for conducting air to and from said storage chamber and air cooling chamber, means furnishing communication between said chambers and tunnel, a refrigerating unit in said air cooling chamber, and means for circulating air through said refrigerating unit, air tunnel and storage chamber.

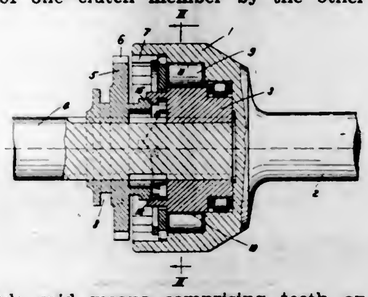
2,041,444
FASTENING DEVICE
Adolf Supplie, Wetter-on-the-Ruhr, Germany
Application March 14, 1933, Serial No. 660,686
In Germany March 19, 1932
3 Claims. (Cl. 24—211)



1. A device for fastening fabric tops to frames and joining tent parts and the like together, comprising a hollow body having an apertured side wall, a plurality of balls arranged in the apertures of said body, a plurality of discs for bordering spaced holes in the parts to be joined, said balls being adapted to cooperate with said discs to hold them in locked position, an elastic disc in the top of the hollow body, a sleeve in the hollow body, said sleeve having a contracted portion and a projecting neck, and a pressure member actuating said sleeve for pressing the balls into locking position and holding them therein.

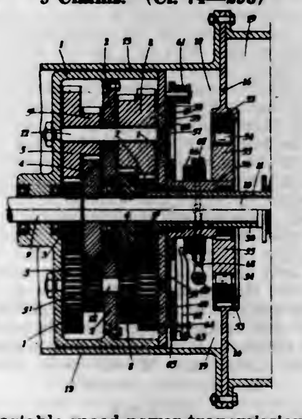
2,041,445
LOCKABLE FREEWHEEL TRANSMISSION MECHANISM
Reginald Warren, Reading, England, assignor to The Pulsometer Engineering Company Limited, Reading, Berks, England
Application September 19, 1935, Serial No. 41,325
In Great Britain April 14, 1934
15 Claims. (Cl. 192—48)

1. In a lockable free-wheel transmission mechanism, including driving and driven free-wheel clutch members on separate shafts, a locking member movable on one of the shafts into engagement with the clutch member on the other shaft so as to positively connect the two shafts together and having means thereon working against the clutch member on the same shaft therewith to oppose such engagement during free-wheeling and to delay the same until overrun of one clutch member by the other has



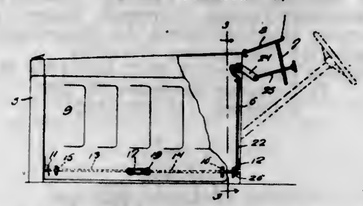
ceased; said means comprising teeth on the locking member engageable with teeth on said clutch member on the same shaft therewith before its engagement with the clutch member on the other shaft but normally held out of register with said teeth of the said clutch member by angular displacement of the latter on the shaft therewith.

2,041,446
VARIABLE SPEED POWER TRANSMISSION MECHANISM
William Wharton, Kendal, Westmorland, England
Application April 17, 1935, Serial No. 16,863
In Great Britain April 23, 1934
9 Claims. (Cl. 74—293)



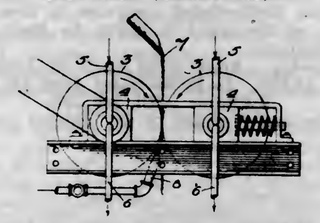
1. A variable speed power transmission mechanism comprising in combination with a variable resistance coupling having driving and driven members, two trains of epicyclic gearing having sun and planet wheels and comprising a torque-dividing train and a driving train, the torque-dividing train comprising a driving and a driven sun wheel and a plurality of planet wheels arranged in pairs with the two wheels of each pair connected together, a gear casing surrounding said torque-dividing train, a plurality of spindles mounted in the casing and on which the planet wheels are rotatably mounted, a shaft connected to the driving members of the coupling, to the driving sun wheel of the torque-dividing train and to a sun wheel of the driving train, a sleeve connecting the driven sun wheel of the torque-dividing train to the driven members of the coupling, means connecting the driving train to the planet wheel spindles of the torque-dividing train and means connecting the driving train to a second shaft.

2,041,447
LOCK FOR AUTOMOBILE ENGINE HOODS
Paul O. Woody, Soda Springs, Idaho
Application June 6, 1933, Serial No. 674,590
Renewed October 17, 1935
1 Claim. (Cl. 292—7)



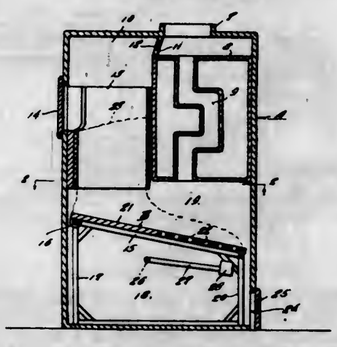
Locking means for the engine hood fastening device of an automobile, wherein said fastening device embodies a longitudinally movable fastening bolt mounted on the inner side of the engine hood and manually movable rearwardly into and forwardly out of engagement with a keeper fixed to the rear support for the engine hood, comprising a locking bolt, means mounting said locking bolt on the rear hood support for vertical sliding movement, said fastening bolt having a notch in its rear keeper-engaging end, said locking bolt having its lower end engageable in said notch of the fastening bolt to secure the latter in keeper-engaging position when said locking bolt is slid vertically in one direction and disengageable from said notch to release the fastening bolt when said locking bolt is slid in the opposite direction, said locking bolt having an upper end portion, and means manually operable from the driver's seat of the automobile and connected to said upper end portion of the locking bolt for sliding said locking bolt to engage its lower end in or disengage the same from the notch of said fastening bolt.

2,041,448
FLAKING AMORPHOUS SOLIDS
Robert E. Zinn, Chicago Heights, Ill., assignor to Victor Chemical Works, Chicago, Ill., a corporation of Illinois
Application September 5, 1933, Serial No. 688,267
5 Claims. (Cl. 210—23)



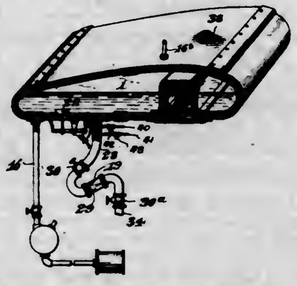
1. As an article of commerce, thin flakes of an article of the class consisting of alkali metal metaphosphates, and alkali metal pyrophosphates, said flakes having a thickness of the order of .001 of an inch.

2,041,449
AUTOMATIC HEATING PLANT FOR SOLID FUEL CONSUMPTION
Earl E. Adams, East Helena, Mont.
Application August 20, 1935, Serial No. 37,076
1 Claim. (Cl. 110—33)



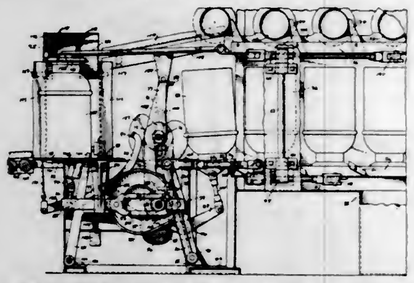
In a furnace construction, a solid fuel hopper, a swingable and normally inclined grate having its high end portion underlying the said hopper in substantial spaced relation with respect thereto, a swingable arm underlying the grate and provided with a weighted head engageable with the lower end of the grate, said grate being swingable from its upper end and means for moving the said arm so as to cause the head thereof to intermittently strike the bottom side of the grate.

2,041,450
SAFETY FUEL TANK
Herbert Luther Adams, Washington, D. C.
Application July 30, 1932, Serial No. 627,090
7 Claims. (Cl. 137—77)



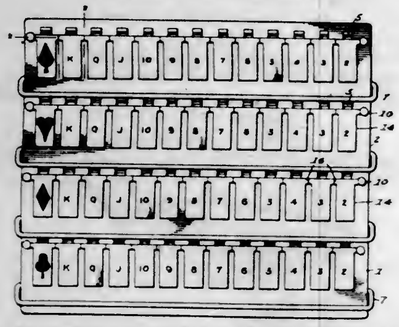
3. A safety fuel tank comprising a pair of rigid containers, one enclosed within the other in spaced relation thereto, a flexible, impervious container loosely enclosing the innermost of said rigid containers, and being loosely enclosed by the outermost of said rigid containers, a tell tale device, a pipe extending from the tank to the tell tale device, said pipe opening into the tank at the outer face of said flexible container, a tube loosely enclosed within said pipe to divide the interior thereof into a pair of concentric passageways, said tube having one end opening into said tell tale device, and having its other end opening into the tank at the inner face of said flexible container, valve means for opening and closing said passageways, a source of fluid pressure supply, and a valved pipe connecting each of said passageways with said source of fluid pressure supply.

2,041,451
UNLOADER FOR WASHED CANS AND COVERS
E. Roy Alling, Kenmore, N. Y.
Application March 15, 1934, Serial No. 715,669
27 Claims. (Cl. 29—84)



1. The combination with a washing machine for cans and the like having can feeding means, of an unloading device, comprising a single rotating cradle, a tilting table for feeding an inverted can into the moving cradle, and means for discharging the can from the cradle and delivering it onto the platform of the machine.

2,041,452
BRIDGE PROBLEM WORK BOARD
David G. Aronberg, New York, N. Y.
Application May 21, 1935, Serial No. 22,632
7 Claims. (Cl. 273—151)

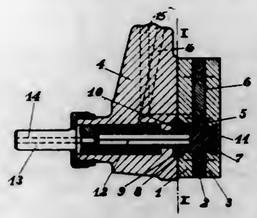


1. A card game work board comprising a flat plate having downturned edges, horizontal rows of upstanding lugs formed in said plate, horizontal elevated transverse rods affixed to the said plate between adjacent rows of said lugs, a plurality of miniature cards pivoted to said rods, one row of said lugs supporting said cards in lowered position and the other set of said lugs supporting said cards when in raised position.

2,041,453
RESINOUS COMPOSITION AND PROCESS OF MAKING SAME
Howard L. Bender, Bloomfield, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 1, 1931, Serial No. 541,520
8 Claims. (Cl. 260—4)

1. In the production of hot-moldable resinous compositions, the improvement which comprises reacting together a phenol and a compound containing a reactive methylene group to produce a heat-reactive condensation product, reacting therewith an alkali earth metal hydroxide in amount sufficient to combine with at least a portion of the hydroxyl groups of the condensation product at a temperature below that at which substantial polymerization of the condensation product occurs, and dehydrating to produce a resinous material capable of becoming infusible in a hot-molding composition within at least four minutes at about 150° C.

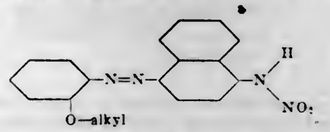
2,041,454
GEAR PUMP FOR ARTIFICIAL SILK SPINNING MACHINES
Otto Bochmann and Theodor Vollenbroich, Remscheid-Lennep, Germany, assignors to Barmer Maschinenfabrik Aktiengesellschaft, Wuppertal-Oberbarmen, Germany
Application December 13, 1933, Serial No. 702,264
In Germany December 20, 1932
3 Claims. (Cl. 103—126)



1. A gear pump for artificial silk spinning machines, comprising in combination a support having an inlet and an outlet passage for the spinning solution, a casing mounted on said support and composed of an outer plate, a ring-shaped middle plate and an inner plate provided with inlet and outlet passages registering with the inlet and outlet passages in said support and communicating with the aperture in said middle plate, two intermeshing gears accommodated in the aperture in said middle plate, a pump shaft carrying one of said gears, a disc-shaped collar formed on the inner end of said pump shaft, said inner plate having an annular groove accommodating said collar free from end thrusts and closed by said support to form a narrow chamber, a driving shaft journalled in said support, and an intermediate coupling element loosely connecting said driving shaft with said pump shaft.

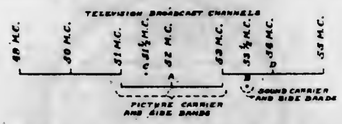
2,041,455
AZO-DYESTUFFS AND PROCESS OF MAKING THE SAME
Gérald Bonhôte, Basel, and Carl Apotheker, Riehen, Switzerland, assignors to firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application April 10, 1935, Serial No. 15,694. In Switzerland April 19, 1934
6 Claims. (Cl. 260—90)

3. The azo-dyestuffs of the general formula



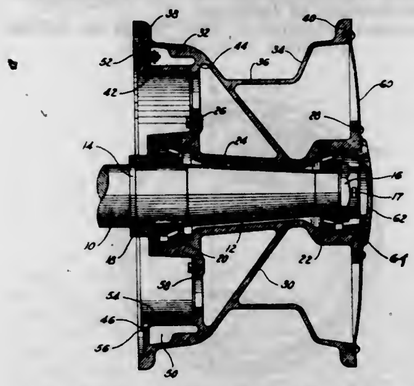
which products are brown-red powders dissolving in aqueous alkalies to brown-red solutions.

2,041,456
TELEVISION SYSTEM
Wendell L. Carlson, Haddonfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 31, 1934, Serial No. 709,072
9 Claims. (Cl. 250—9)



1. In a system in which a plurality of modulated picture carriers are transmitted simultaneously, the method of simultaneously transmitting pictures and accompanying sound which comprises transmitting the picture on a given carrier frequency and transmitting the sound on a carrier frequency lying substantially midway of one of the side band frequency ranges of the next adjacent picture carrier frequency.

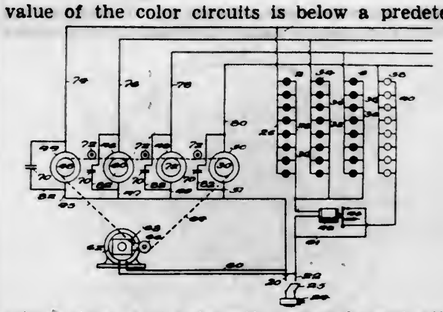
2,041,457
BRAKE COOLING MEANS
John R. Cautley, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 1, 1932, Serial No. 620,516
12 Claims. (Cl. 188—264)



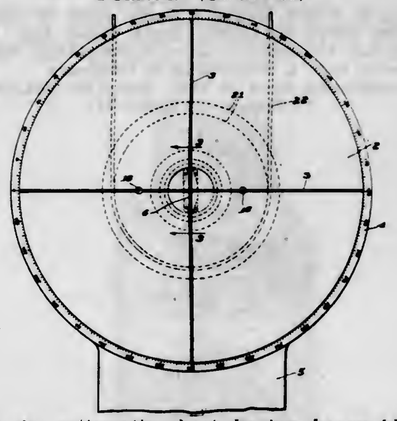
1. A wheel comprising a braking flange, a tire supporting rim surrounding the flange, a chamber on the back of the braking flange and within the rim adapted to be filled with water and a blow-off valve for the chamber located in the side thereof.

2,041,458
ILLUMINATION CONTROL SYSTEM
Roy L. Cooper, Hammond, Ind., assignor to Colorflex Corporation, Hammond, Ind.
Application September 17, 1935, Serial No. 40,986
6 Claims. (Cl. 177—346)

1. In a system for controlling a plurality of different color lights, and a supplemental white light, a plurality of separate circuits connected in parallel for said lights, a relay, intensity control means associated with each of said circuits for varying the intensities of illumination of said lights, the intensity control means for each circuit mounted for simultaneous rotation, one of said circuits being controlled by said relay, means for operating the said relay to add the said circuit to the system only when the composite current value of the color circuits is below a predetermined stage, and automatic means for actuating the intensity control means at different speeds.



2,041,459
OCULIST'S CHART
Albert Eugene Covelle, Medford, Mass.
Application June 23, 1934, Serial No. 732,061
4 Claims. (Cl. 88—20)

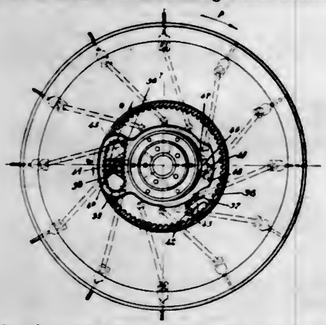


1. An astigmatic chart having heavy black radial lines on a white background, means supporting said chart for rotation, a narrow slit in said chart for permitting the passage therethrough of a thin beam of light, said slit being located centrally in the chart and in line with one of said black lines, another of said black lines intersecting said slit at the center of the chart, means for directing rays of light through said slit and for controlling said rays, the beam of light transmitted through said slit contrasting sharply in color with that of both said lines and said background.

2,041,460
TRACTOR WHEEL
Josef Donderer, Augsburg, Germany, assignor of one-half to Lorenz Sussmeier, Augsburg, Germany
Application March 23, 1933, Serial No. 662,302
In Germany April 21, 1932
6 Claims. (Cl. 301—46)

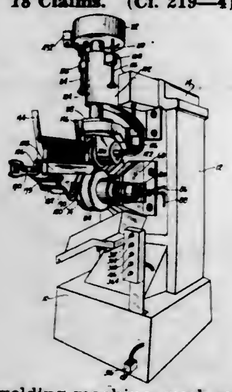
3. A device for adjusting the grippers on a tractor wheel, comprising in combination with the grippers, a driving disc wheel, a hub on said wheel, a brake disc on said hub, means for braking and temporarily locking said brake disc when the tractor is travelling, a control collar carried by said hub and carrying the grippers, a gearing between said brake disc and said control collar adapted to be actuated by said brake disc to

impart a reciprocating movement to said control collar, and means connecting said control collar



to said grippers for moving said grippers in and out during the reciprocation of said control collar.

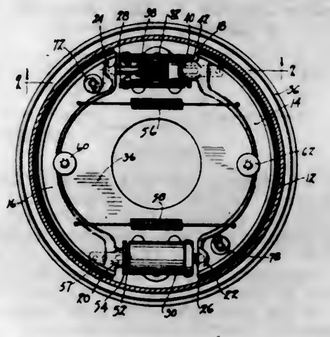
2,041,461
WELDING MACHINE
John M. Floyd, Leland E. Long, John W. Nash, and Harry H. Dibble, South Bend, Ind., assignors to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application April 15, 1933, Serial No. 666,230
18 Claims. (Cl. 219—4)



17. In a welding machine, work support means for rotating and holding an arcuate work member in a specific manner, feeding means for feeding a second work member, having periodically spaced welding projections, into engagement with said arcuate work member so that the welding projections contact said arcuate member, means including an electrical circuit control and contacts for the work members for applying a welding current to said work members at each of said spaced welding projections, and drive means common to said work support means, said feeding means and said applying means whereby the rotating and feeding of the work members is correlated and the circuit control is synchronized with the passage of each welding projection between the contactors for the work member.

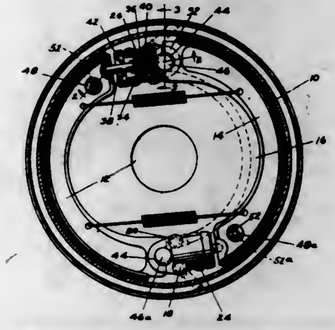
2,041,462
BRAKE
Frederick C. Frank, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application October 21, 1932, Serial No. 638,968
7 Claims. (Cl. 188—152)

1. In brake apparatus, a brake drum, a backing plate, a friction element in said drum, a hydraulic cylinder secured to said backing plate, a piston in said cylinder connected with one end of said friction element, a plug in the opposite end of said cylinder formed with a spherical



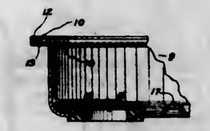
socket, a second friction element, and a ball shaped end formed on the end of said last named friction element and fitting in said socket.

2,041,463
BRAKE
Frederick C. Frank, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 19, 1932, Serial No. 647,986
2 Claims. (Cl. 188—152)



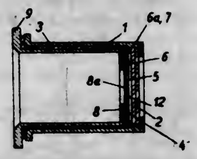
1. In a wheel brake; a drum, a backing plate; a pair of eccentric pins secured to said backing plate adjacent to the circumference thereof and positioned substantially diametrically opposite to each other, a pair of shoes positioned in said drum and each having one end formed with a semi-circular recess adapted at times to contact with one of said eccentric pins; a pair of fluid motors each formed integrally with a pair of spaced plates, each plate being provided with a circular hole through which one of said eccentric pins extends and each plate extending on the opposite side of said pin from the motor and the two plates embracing between them the recessed end of the shoe contacting with the associated pin; and a piston in each of said motors for moving the friction shoe other than the one which contacts with the adjacent pin into contact with the drum, whereby the eccentric pin and the spaced plates cooperate to limit the movement of the recessed end of the floating shoe both laterally and circumferentially.

2,041,464
TUB COVER
Clarence G. Frantz, Cleveland Heights, Ohio, assignor to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application February 1, 1933, Serial No. 654,635
3 Claims. (Cl. 68—31)



1. A cover of the type described comprising a deeply dished body having an annular side wall portion with its marginal edge bent over in the form of a substantially flat annulus extending both inwardly and outwardly of the cover side wall and substantially perpendicular thereto.

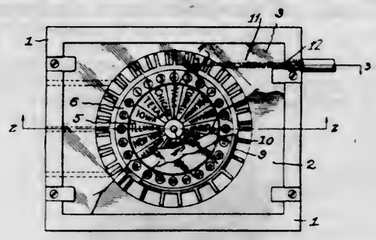
2,041,465
DEVICE FOR OBTURATING MULTICOLOR FILTERS
Wilhelm Gehrke and Georg Strohmenger, Munich, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany, a corporation of Germany
Application July 6, 1933, Serial No. 679,260
In Germany July 9, 1932
3 Claims. (Cl. 95—81.5)



1. An attachment for obturating multi-color filters which comprises a tube adapted to be mounted in an objective tube containing a multicolor filter with parallel stripes, two slides mounted in said first tube said slides having edges extending perpendicularly to the stripes of said filter, and means for moving said slides against each other in the plane formed by said edges and in direction perpendicularly to said edges, said means comprising a manually operated ring member operatively connected to the said slides by pin and slot means.

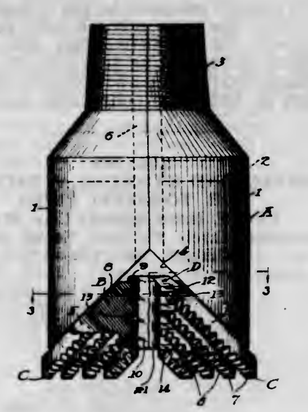
2,041,466
STEREOPTICON SLIDE
Samuel M. Gertz, Chicago, Ill., assignor to All American Slide Corporation, Chicago, Ill., a corporation of Illinois
Application December 19, 1935, Serial No. 55,285
4 Claims. (Cl. 88—26)

1. A stereopticon slide of the type herein described, comprising a marginal frame formed with a central chamber, means for supporting a journal shaft or spindle centrally in said chamber, a pair of transparent disks mounted on said journal shaft for independent whirling movements, with one of said disks carrying radially arranged symbols or marking adapted for chance registry with one or another of circular plurality of numerals carried on the companion transparent disk on the stoppage of the whirling movements of said disk, a stationary index or pointer carried on the frame or slide for registry with the



winning symbol and numeral of the disks, and means for imparting whirling impulses to said disks.

2,041,467
BIT CLEANER
Ellis Green, Tulsa, Okla., assignor of one-half to Sara R. Lorraine, San Marino, Calif., and one-half to Walter T. Lundquist, Los Angeles, Calif.
Application November 18, 1932, Serial No. 643,201
15 Claims. (Cl. 255—71)



1. In combination, a rotary drill bit having cooperating transversely spaced rotary cutters adapted for opposite turning of their proximate edges when the drill bit is rotated, each cutter having annular rows of teeth spaced by an annular groove, and a cleaning element supported so as to extend downwardly between the cooperating cutters and having lateral projections extending into the grooves of the cooperating cutters, opposite sides of the cleaning element also engaging the cutters at their proximate edges whereby said opposite turning of said proximate edges of the cutters tends to twist the cleaning element for urging its lateral projections into the grooves.

2,041,468
FUEL PUMP
Hayward I. Grubbs, El Monte, Calif.
Application November 15, 1934, Serial No. 753,202
5 Claims. (Cl. 103—44)

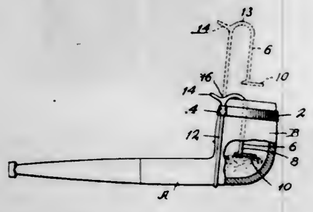
1. A device of the class described comprising a chamber to hold a non-compressible fluid, a cylinder in the chamber provided with a series of ports between its ends to establish communication with the chamber, a lower plunger in the cylinder,

means for raising and lowering said plunger, an upper plunger in the cylinder, means for limiting the downstroke of the upper plunger whereby it will be supported above the ports in the cylinder,



a cut-off slidably mounted on the cylinder to cover and uncover the ports, a check valve mounted on said cut-off and permitting flow into the same, and means for adjusting said cut-off, said ports permitting entry of fluid between the plungers to establish an hydraulic connection therebetween.

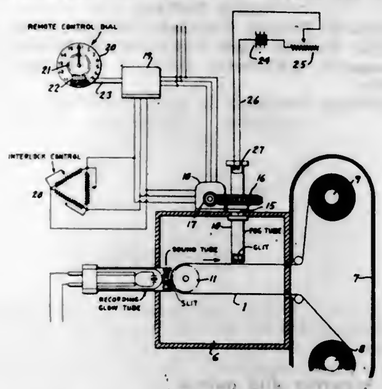
2,041,469
TAMPING AND STOKING ATTACHMENT FOR TOBACCO PIPES
Emil F. Haas, Kansas City, Mo.
Application March 25, 1935, Serial No. 12,765
2 Claims. (Cl. 131—12)



1. An attachment of the character described comprising a ring provided with an eye and secured to the upper portion of the bowl of a tobacco pipe, and an inverted U-shaped device comprising a tamping arm and a stoking arm united at their upper ends, said stoking arm being slidably and rotatably mounted in the eye of the band and of greater length than the tamping arm so that the latter may be raised to clear the top of the bowl of the pipe without disengaging the stoking arm from the eye.

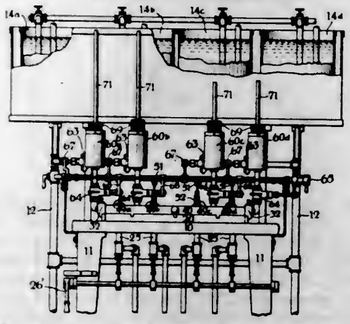
2,041,470
VOLUME CONTROL MEANS FOR VARIABLE DENSITY SOUND RECORDING
Edmund H. Hansen, Los Angeles, Calif.
Application April 12, 1930, Serial No. 443,711
5 Claims. (Cl. 274—5)

1. A system for befogging longitudinal portions of a variable density sound track comprising: a light slit, and remote control means for rotat-



ing said slit to expose [illegible] track to light from said s[illegible]

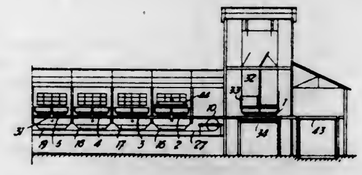
2,041,471
APPARATUS FOR DYEING LOOSE TEXTILE MATERIALS
Louis B. Hasbrouck, Elmira, N. Y., assignor to Eclipse Textile Devices, Inc., Elmira, N. Y., a corporation of New York
Application July 14, 1934, Serial No. 735,223
6 Claims. (Cl. 8—7)



6. Apparatus for dyeing loose masses of textile material including adjacent dye baths of various colors, means for holding isolated portions of said material in the various baths, and means for pressing said portions down into the dye to express entrained air, and then releasing the pressure on the material while submerged to cause absorption of the dye thereby.

2,041,472
METHOD OF AND MEANS FOR SINTERING AND ROASTING ORES AND THE LIKE
Anders Holmberg, Stockholm, Sweden, assignor to Helge Gustaf Torulf, Stockholm, Sweden
Application February 7, 1935, Serial No. 5,456
In Sweden August 3, 1933
3 Claims. (Cl. 266—21)

1. The method of sintering and roasting ores, purple ores, slimes and the like, which comprises charging the material to be treated and pulverulent solid fuel in independent movable sintering pans, feeding said pans after ignition of the charge successively together with a perforated endless band over a series of independent suction boxes, and subjecting the pans during the sintering operation to a controllable and variable suction action from the individual suction boxes by the intermediation of the perforated endless band.

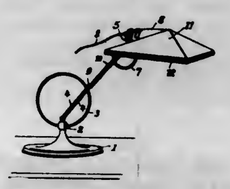


2. A plant for carrying out the method set forth in claim 1, which comprises a plurality of independent sintering pans, a sintering track, a series of stationary suction boxes below the track, independently operating suction means connected individually to groups of the suction boxes, an endless band having openings to provide for the transfer of the suction action from the individual suction boxes to the pans, and means for synchronously feeding the pans on the track and the band assisting the suction action.

2,041,473
DENTIFRICE POLISHING BASE
Joseph Janota, Jr., Chicago Heights, Ill., assignor to Victor Chemical Works, Chicago, Ill., a corporation of Illinois
No Drawing. Application October 11, 1934, Serial No. 747,983
8 Claims. (Cl. 167—93)

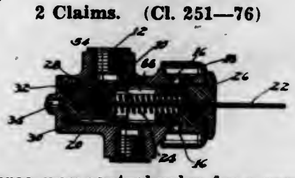
1. A dentifrice polishing base comprising a powder of the class consisting of tricalcium phosphate and calcium and magnesium carbonate and a minor proportion of an alkali metal pyrophosphate, the amount of pyrophosphate being markedly less than sufficient to dissolve the calcium or magnesium present.

2,041,474
ADJUSTABLE AND CLAMPABLE STAND FOR ELECTRIC LAMPS AND FOR DISPLAYING ARTICLES
Leopold Kirschmann, Berlin-Halensee, Germany
Application July 26, 1935, Serial No. 33,318
In Germany March 20, 1935
9 Claims. (Cl. 248—160)



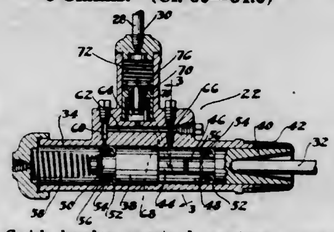
1. An adjustable stand with clamping device for electric lamps and other articles, comprising in combination a fixed knob, a flat guide element of suitable shape, such as a ring fixed on said knob, two parallel bars hingedly mounted on said knob and extending one at each side of said flat guide element, a second guide element to be fixed on the holder of an electric lamp, and two slides on said two parallel bars adapted to be shifted on said bars to clamp them on said guide elements.

2,041,475
CLUTCH CONTROL MECHANISM
Victor W. Kliesrath, South Bend, Ind., assignor, by mesne assignments, to Bragg-Kliesrath Corporation, South Bend, Ind., a corporation of New York
Original application August 28, 1931, Serial No. 559,988. Divided and this application October 10, 1931, Serial No. 568,081. Renewed August 6, 1934
2 Claims. (Cl. 251—76)



1. A three-way control valve for a pressure differential operated fluid motor comprising a casing member having inlet, outlet and venting ports, a plug member threaded into one end of said casing, said member being provided with a recess in one end thereof, a piston member reciprocably mounted within said casing, said piston being provided with a recess in its end face opposite the recess in the aforementioned plug member and further provided with a recess intermediate its end portions adapted, in one position of the piston, to intercommunicate the inlet and outlet ports of the casing, said piston in said position shutting off communication with said venting port, a piston operating spring lying within and tensioned between the aforementioned recesses, and piston operating means extending through said plug and spring and secured at its end to said piston member.

2,041,476
BRAKE
Ludger E. La Brie, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application December 4, 1930, Serial No. 499,921
5 Claims. (Cl. 60—54.6)

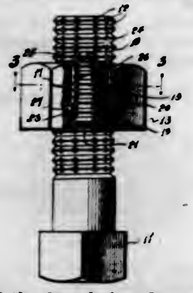


1. A fluid brake control system comprising fluid lines, in combination with a fluid reservoir, a master cylinder assembly including a piston for putting pressure on fluid in said lines to apply the brakes, means comprising said piston for drawing fluid from said reservoir on the brake applying stroke, and means for trapping said fluid drawn from said reservoir and for co-operating with the piston on the brake-releasing stroke to force additional fluid into the said fluid lines.

2,041,477
NUT LOCK
Benjamin F. Money, Tulsa, Okla.
Application January 24, 1936, Serial No. 60,722
3 Claims. (Cl. 151—11)

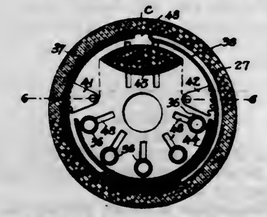
1. In a nut lock of the character described, a threaded bolt having longitudinal rows of ratchet-

ing notches in the threads thereof, a nut threaded on the bolt and having a groove in its threaded bore with an overhanging shoulder at each side of the groove defining side pockets and a resilient locking key having side legs disposed in the



pockets, one of the legs being formed of two sections with the section adjacent the bottom of the nut anchored in its pocket and the other section constituting a locking leg shiftable outwardly of the pocket for ratcheting engagement with the grooves in the bolt.

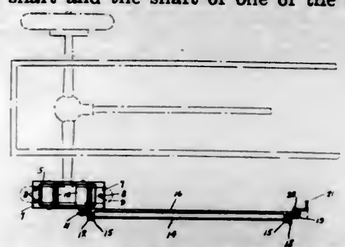
2,041,478
MEANS FOR LIGHT OR PHOTO PRINTING
Max Niederle, Miami, Fla.
Application June 3, 1933, Serial No. 674,229
8 Claims. (Cl. 95—75)



1. Means for light printing comprising, a revoluble tubular transparent roller having a light transparent negative advanced with its outer surface, a light tube disposed within the tubular roller to give penetrating light rays substantially equally throughout the length thereof, means to advance sensitized paper with said roller past a predetermined photo printing line extending along the length thereof, an elongated lens also within the transparent roller between the printing line and the light tube, and means to adjust said lens to focus and consequently vary the width of the photo or light line.

2,041,479
AUTOMOBILE ENGINE CRANKING MECHANISM
Maud Speed O'Brient, Durham, N. C.
Application July 23, 1935, Serial No. 32,814
1 Claim. (Cl. 74—14)

An apparatus of the character described comprising a frame structure, a pair of rotatable members mounted in the frame structure, a shaft for supporting one of the rotatable members, said frame being provided with an elongated arm projecting therefrom to a remote point, laterally extending lugs on the arm, a shaft extending longitudinally of the arm and journalled through the said lugs, a crank on one end of the arm, gear means between the crank and one end of the shaft and gear means between the opposite end of the shaft and the shaft of one of the rotat-



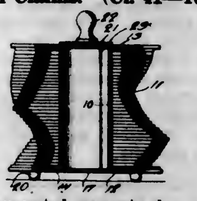
able members, said arm at one end being rockable on the last mentioned shaft.

2,041,480
CARRIER FOR MAGNETIC RECORDING
Heinrich Oexmann, Berlin, Germany
Application September 18, 1933, Serial No. 690,014
In Germany September 19, 1932
2 Claims. (Cl. 274—41.4)



1. A carrier for magnetic recordings, consisting of carbonyl iron.

2,041,481
ORNAMENTAL ARTICLE AND METHOD OF FABRICATING THE SAME
John Nicholas Otar, Santa Cruz, Calif.
Application May 25, 1933, Serial No. 672,896
14 Claims. (Cl. 41—10)



12. An ornamental receptacle or the like including an axially extending tubular member, end plates secured to said member, a closure plate operatively related to one end of the tubular member and secured to an end plate, and a plurality of flat elements disposed flatly on each other and each provided with an opening through which said tubular member extends, said elements being held in frictional engagement by and between said end plates, the elements being so related to said tubular member that different portions of the perimeter of an element are at different distances from the axis of said tubular member, and the elements being turned with respect to each other to expose face portions of adjacent elements.

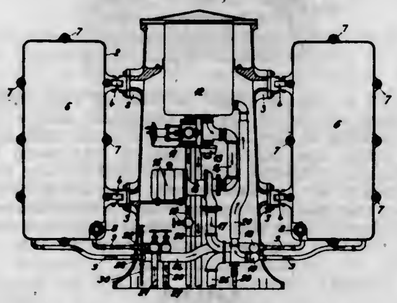
2,041,482
AIR PAINTING DEVICE
Jens A. Paasche, Wilmette, Ill.
Application July 19, 1930, Serial No. 469,036
13 Claims. (Cl. 299—89)



6. In a spraying device, the combination of an adjustable spray discharging member having a

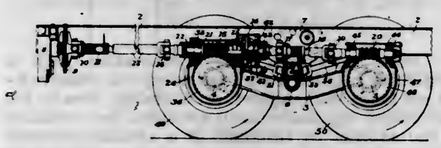
hollow chamber therein, means for introducing liquid under pressure to said chamber, means for introducing pressure fluid to said chamber, said member having control means therein operable to create an internal pressure within said chamber for resisting the flow of liquid, the amount of said internal pressure so created being dependent directly upon the position of adjustment of said discharging member, and a single manipulable means for controlling the introduction of pressure fluid and the adjustment of said discharging member.

2,041,483
MILK PASTEURIZING AND COOLING UNIT
Edwin Prestage, London, England
Application August 28, 1935, Serial No. 38,251
In Great Britain April 23, 1935
3 Claims. (Cl. 257—245)



1. Apparatus for the interchange of heat between two streams of fluids comprising a hollow standard forming a container, a pump, tank, thermostatic valves and other elements necessary for carrying out the heating and/or cooling processes in the heat exchange between the two streams of fluids mounted within the container, a heat exchange unit mounted on the exterior surface of said standard and means connecting said elements in the container with said heat exchange unit.

2,041,484
MOTOR VEHICLE
Orpheus F. Quartullo, Pittsburgh, Pa.
Application April 8, 1931, Serial No. 528,521
9 Claims. (Cl. 180—22)

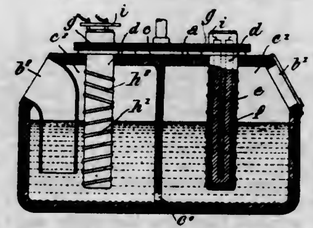


2. In a motor vehicle, a plurality of substantially parallelly disposed axles, a common pivoted support for both axles, a worm wheel for driving each of said axles, a worm meshing with each worm wheel and effective for driving the same, a housing for each worm, means connecting the worm housings and the pivoted support for changing the angular plane of the axes of said worm, the same amount and in the same direction upon relative vertical movement between said axles, said means comprising rods having a ball joint at one end and a universal joint at the other end, the longitudinal axis of said means lying on one side of the line passing through the center of the support and the center of the axle.

2,041,485
PARCHMENT PAPER AND PROCESS OF MAKING THE SAME
Fred O. Reiss, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill., a corporation of Illinois
No Drawing. Application February 27, 1931, Serial No. 518,907
34 Claims. (Cl. 91—70)

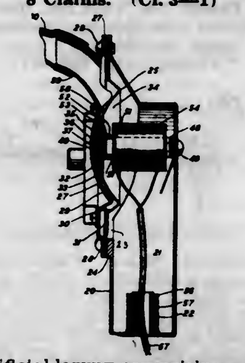
1. A paper having an alpha-cellulose content of approximately 95% of its total cellulose content and highly resistant to the destructive influence of light or heat, impregnated with a polymerized alkyd-type resin similarly resistant to the destructive influence of light or heat, said impregnated paper having a high light-transmissiveness.

2,041,486
ELECTRIC FURNACE
Paul Richalet, Bar-le-Duc, France
Application June 29, 1934, Serial No. 733,110
In Belgium June 30, 1933
6 Claims. (Cl. 13—6)



1. An electric furnace for treating or melting glass, which comprises in combination, a container for the glass mass to be treated, at least one cylindrical heating element rotatable during heating in said container about its own axis and so positioned as to be at least partly immersed in said mass, means for rotating said heating element, means carried by said heating element for stirring the mass, and electric means in said element for generating heat therein.

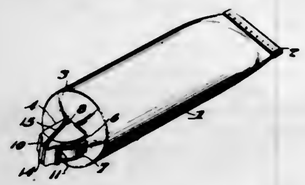
2,041,487
ARTIFICIAL LARYNX
Robert R. Riesz, Mount Vernon, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 10, 1934, Serial No. 706,008
8 Claims. (Cl. 3—1)



1. An artificial larynx comprising a larynx tone generating member fastened around its periphery, means on one side of said member forming

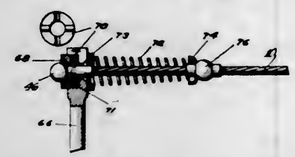
an air chamber therewith and having a sound wave outlet, a resonator on the other side of said member, said resonator comprising a chamber defining member having a tubular portion for connecting the chamber directly with the atmosphere and means within said resonator for actuating the tone generating member.

2,041,488
MATERIAL CONTAINER
Emmett E. Robinson, Pittsburgh, Pa.
Application June 22, 1934, Serial No. 731,979
3 Claims. (Cl. 221—60)



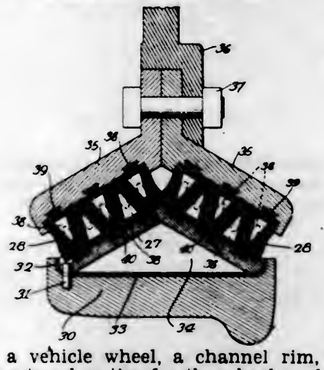
1. A material container comprising, a body having a head end carrying a substantially segmental extension disposed with one side of the segment coinciding with the end and the other side of the segment angularly disposed outwardly from the end, said extension having a discharge passage opening through the arcuate face thereof and being provided with substantially squared rabbeted guide ways at the edges of said face, a closure member having one face thereof shaped to fit the arcuate face and the guide ways thereof mounted to slidably move on the arcuate face to positions to close the outer end of the passage and to clear the same, said closure member being freely movable radially from the arcuate face of the extension, and a substantially U-shaped mounting member having its ends swingably held adjacent to the angle of the segmental extension and having its middle portion engaging with the closure member to hold said member in proper operative position.

2,041,489
CABLE CONNECTION
Adolph Rosner, Rockton, Ill., assignor, by mesne assignments, to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Original application March 18, 1929, Serial No. 347,882. Patent No. 2,009,206, dated July 23, 1935. Divided and this application December 10, 1932, Serial No. 646,726
2 Claims. (Cl. 287—87)



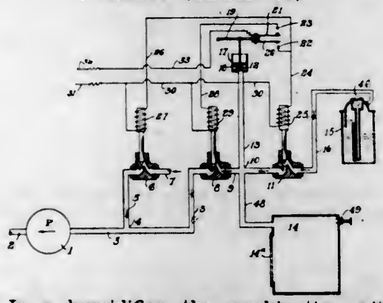
1. Transmission means comprising a lever member having a cylindrical recess in its end in combination with a headed flexible tension element seated within a recessed washer member in said recess and a compression spring surrounding said tension element and confined between stops abutting said lever and tension element, said spring serving to retain the tension element in its operative position.

2,041,490
RAILROAD CAR WHEEL OR OTHER WHEEL
Arthur L. Runyan, Chicago, Ill., assignor of one-half to Lewis H. Scurlock, Chicago, Ill.
Application June 25, 1934, Serial No. 732,263
5 Claims. (Cl. 295—11)



4. In a vehicle wheel, a channel rim, means forming a tread or tire for the wheel, and a rubber cushion in the form of an annular ring having inner and outer peripheries interposed between said rim and said tread, said cushion having sealed air cavities therein, a separate ring to which the cushion is secured, with a space between said ring and the tire, and means to prevent relative rotation between the ring and the tire.

2,041,491
HUMIDIFIER
Charles E. Russell, Dayton, Ohio, assignor to George F. Mox, Dayton, Ohio
Application October 1, 1934, Serial No. 746,312
7 Claims. (Cl. 261—78)

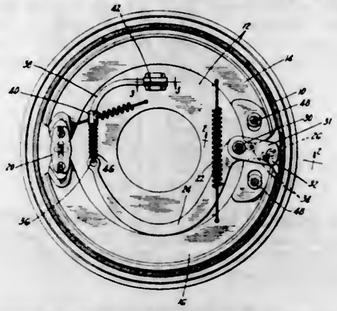


1. In a humidifier, the combination with a humidifier cabinet, a vacuum pump for withdrawing air from said cabinet, an atomizer, means for conducting moisture-laden air from the atomizer to the cabinet in response to a vacuum created in the latter, and a pressure switch responsive to the vacuum in the cabinet for opening it to the pump and closing it to the atomizer and for opening it to the atomizer and closing it to the pump.

2,041,492
BRAKE
Roy S. Sanford, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application May 13, 1929, Serial No. 362,589
Renewed November 20, 1933
10 Claims. (Cl. 188—78)

1. A brake comprising, in combination, a rotatable drum, friction means having spaced

apart ends, said means constructed to anchor at one or the other of said ends depending upon the direction of drum rotation, and means for applying said friction means into drum engage-



ment comprising a relatively long lever having a cam member pivotally secured thereto intermediate its ends, said cam being arranged between said spaced apart ends.

2,041,493
PULVERULENT ALLOY
Leo Schlecht and Albert Heinzel, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application January 19, 1934, Serial No. 707,339. In Germany January 24, 1933
17 Claims. (Cl. 75—122)

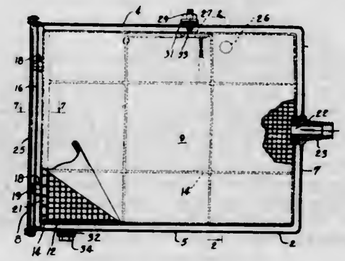
1. A process for producing pulverulent alloys of metals capable of forming metal carbonyls which comprises heating a mixture of at least two metal carbonyls at a temperature up to about 450° C. to decompose the carbonyls, coating the metal particles of the resulting powder with a "substance hindering the fritting together" and then heating the coated powder in a non-oxidizing atmosphere at a temperature sufficiently high to effect alloying by diffusion within the particles of the metal powder without smelting.

2,041,494
UMBRELLA CARRIER
Frederick L. Schultze, New Rochelle, N. Y.
Application June 1, 1934, Serial No. 728,512
1 Claim. (Cl. 224—5.1)



A device of the character described, comprising a one-piece stiff metallic bracket having a hook portion at one end adapted to fit over the shoulder of a person when the device is in use, said bracket having a pair of spaced recesses in the lower part thereof, a body-encircling strap fitting into each of said recesses, a clamping block carried by said bracket between said recesses, a clamping bolt having one end hingedly connected with said block and a notched clamping plate hingedly connected to said block on the side opposite said bolt, said bolt being positioned to swing into said notch for causing said plate to function by coacting with said block for removably clamping the stem of an umbrella or similar article to said block.

2,041,495
FILTER
Alois Schwiers, Oakland, Calif.
Application January 4, 1933, Serial No. 650,105
2 Claims. (Cl. 210—181)



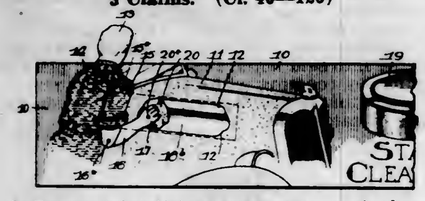
1. In a filter of the character described, a casing having a pair of opposite side walls in close proximity, a filtering element removably positioned within the casing, means carried by the element for supporting same with substantially all exterior portions thereof in close spaced relation to the inner surface of the casing, said element comprising a frame of open mesh material, a covering of filtering material completely enclosing and supported on said frame, valve means adjustable from the exterior of said casing affording a passage of variable area from the space around the element to the interior thereof, a means of admission of fluid to said space from the exterior of said casing, a means affording a passage for fluid from the interior of the element to directly without the casing.

2,041,496
COATED SHEET MATERIAL AND PROCESS OF MAKING
Seaphes D. Shinkle, Passaic, N. J., assignor, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 18, 1933, Serial No. 652,340
13 Claims. (Cl. 91—68)



1. As a new article, a flexible fibrous sheet backing material having a base coating of rubber-like material, and another coating comprising chlorinated diphenyl containing above about 54% chlorine and a hard, brilliant asphalt having a softening point above about 300° F., the ratio of chlorinated diphenyl to asphalt being not less than approximately 50:50.

2,041,497
ADVERTISING DEVICE
Elvin W. Stephenson, Oak Park, Ill., assignor to General Outdoor Advertising Co., Inc., Chicago, Ill., a corporation of New Jersey
Application July 17, 1935, Serial No. 31,798
3 Claims. (Cl. 40—126)



1. In an advertising apparatus, a signboard, an assembly of a device to be cleaned and of an animate figure pictured in association on said board, a mechanically articulated arm pivotally connected to said board in association with said figure, an elongated window opening in said board where said device is pictured, a reciprocating plate mounted on said board back of said window, said articulated arm including a hand pivotally connected to said plate, a cleaning member pivoted to said hand and movable in association with said window opening from end to end thereof, said plate being longer than said window opening and being pictured at one side of said cleaning member as with the cleaning material applied and at the other side with the original polish and color of the device to be cleaned, and means for automatically reciprocating said plate.

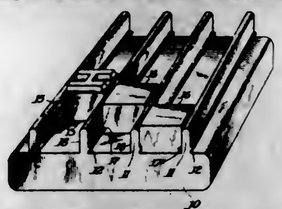
2,041,498
FASTENER
Stanley T. Swidersky, Houtzdale, Pa.
Application June 10, 1935, Serial No. 25,868
1 Claim. (Cl. 24—222)



A socket structure for button and socket type fasteners comprising a back wall, a circular side wall, said side wall being provided with a front wall having a central circular opening therein, said front wall being provided with a break therein, the break in the front wall opening into the said circular opening, said break defining edge portions of the front wall converging to the said circular opening, so that a button with cloth thereon can be forced between said edges in sliding the button and cloth thereon through the break to the circular opening where the cloth on the button can expand to prevent displacement of the button from the socket.

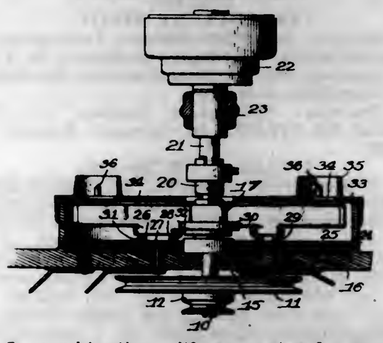
2,041,499
RUBBER TYPE HOLDER AND TYPE THEREFOR
Justin R. Swift and Roy W. Redin, Chicago, Ill.
Application April 1, 1935, Serial No. 14,020
8 Claims. (Cl. 101—380)

1. In combination, a type holder comprising, in combination, a base member having a plurality of walls on one face thereof in parallel spaced relation with each other, each of said walls having a rib on one side thereof adjacent its base, type having channels therein near their base



portions adapted to be fitted between said walls, and blank members adapted in one position to act as spacers and in a reverse position to act as anchors for each row of type.

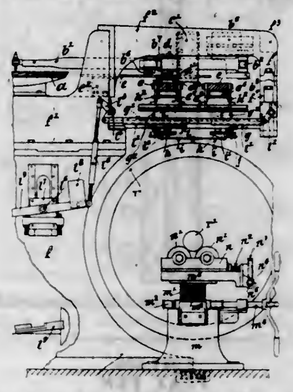
2,041,500
ADJUSTING APPARATUS
Victor W. Thomas, Waukegan, Ill., assignor to Edward A. Harrington, Waukegan, Ill, trustee
Application September 17, 1934, Serial No. 744,387
3 Claims. (Cl. 177—311)



1. In combination with apparatus for producing in a circular path arcuate illuminated and dark bands corresponding respectively to the closed and open circuit portions of the revolution of the cam of a breaker mechanism for ignition systems, a casing enclosing said apparatus having an arcuate opening therein over the path in which said arcuate illuminated and dark bands are produced, a template of opaque material having arcuate fenestra of such size and shape and so spaced as to form a correct pattern with which the illuminated and dark bands produced by the apparatus should coincide when the apparatus is adjusted as it was designed to operate, and means for detachably mounting said template in proper position over said opening in the casing.

2,041,501
MEANS FOR PRODUCING DESIGNS UPON VERY HEAVY ROLLERS FOR COLOR PRINTING PURPOSES
George Percival Varley and Adam Clarke, Manchester, England, assignors to Geo. Moulton Limited, Manchester, England, a British company
Application July 29, 1935, Serial No. 33,626
In Great Britain June 6, 1935
5 Claims. (Cl. 33—22)

5. Apparatus for producing designs on very heavy rollers comprising a framework carrying depending brackets, a compound slide structure including superposed rolling bars and anti-friction rollers supported by said brackets above the heavy roller, lower bars carried from the upper set of rolling bars, tracing levers pivoted in brackets supported on said lower bars and adjustable longitudinally with respect thereto, rhomboid pantograph mechanism adjustably connected to one of said upper set of rolling bars

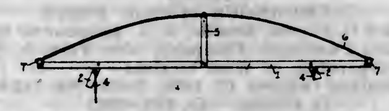


and arranged to actuate said tracing levers through the rolling bars in a horizontal plane, whilst the heavy roller is held stationary an adjustable fulcrum for said pantograph mechanism, and cam mechanism operated by parallel bars and treadle mechanism to raise said tracing levers clear of the heavy roller automatically and to lower them manually for tracing.

2,041,502
ARTIFICIAL MASSES
Arthur Voss, Frankfort-on-the-Main, and Ewald Dickhäuser, Gersthofen, near Augsburg, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Original application June 4, 1929, Serial No. 368,434. Divided and this application July 9, 1935, Serial No. 30,470. In Germany June 14, 1928
2 Claims. (Cl. 260—2)

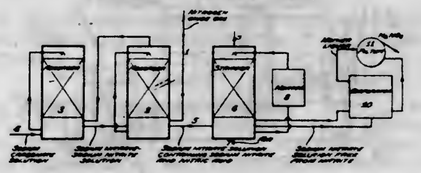
1. As new products polymerization products of mixtures of vinyl chloride and acrylic acid, said products being amorphous, colorless masses fast to light, humidity and acids.

2,041,503
CANOPY FRAME FOR SWINGS
Earl L. Weaver, Goshen, Ind., assignor to Goshen Manufacturing Company, Goshen, Ind.
Original application October 26, 1934, Serial No. 750,039. Divided and this application May 10, 1935, Serial No. 20,787
16 Claims. (Cl. 135—7.1)



2. A canopy comprising a horizontal frame, central members mounted on the sides of said frame, resilient strips arched over said members and connected thereto, and means detachably anchoring the ends of said strips to the ends of the frame.

2,041,504
PROCESS FOR THE PRODUCTION OF NITRATES
Charles F. Weston, Prince George County, Va., assignor to Atmospheric Nitrogen Corporation, New York, N. Y., a corporation of New York
Application October 6, 1931, Serial No. 567,304
5 Claims. (Cl. 23—102)



5. In a process for the production of a nitrate wherein a gas containing nitrogen oxides diluted with other gases such as is obtained by the oxidation of ammonia with air is passed in contact with a base and water to produce a solution of a nitrate containing a small proportion of a nitrite that improvement which comprises continuing the treatment of the base and water with the nitrogen oxides until the resulting solution contains free nitric acid in amount sufficient to render the solution acidic and to completely react with the small proportion of nitrite contained in the solution and then passing a current of air substantially free from nitrogen oxides in contact with said solution at an elevated temperature until the solution has been substantially freed of its nitrite content.

2,041,505
BATH SLIPPER
Katherine F. Woerle, Reading, Pa.
Application August 7, 1933, Serial No. 683,915
3 Claims. (Cl. 36—11)

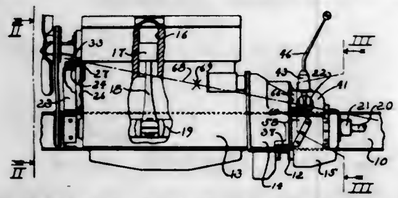


3. A bath slipper formed from a rectangular wash cloth, comprising a toe-end portion rearwardly upwardly inclined from the front end to a longitudinal medial point and formed by separably secured overlapping in-folds of forward parts of opposing sides of said cloth, and a rear foot portion rearwardly downwardly inclined from said longitudinal medial point and having triangular flaps of outward down-folds of the remaining parts of said sides defining the inclined entrance opening to said toe pocket.

2,041,506
MOTOR MOUNTING
Harry T. Woolson, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application October 10, 1932, Serial No. 637,037
19 Claims. (Cl. 180—64)

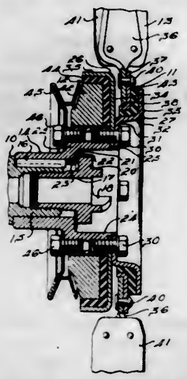
1. A mounting for an internal combustion engine unit including a multiple cylinder internal combustion engine and variable speed transmission mechanism and for a gear shift lever operatively connected at one end with said transmission mechanism, comprising a frame struc-

ture, means rigidly mounted on said frame structure for supporting said lever in swiveled relation, means for oscillatively mounting said engine unit on said frame structure about an axis passing substantially through the point of connection between said gear shift lever and transmission mechanism, and torque opposing means



for yieldably opposing oscillatory movement of said engine, said torque opposing means and said mounting means being so constructed and arranged as to restrain displacement of the portion of said unit at which said point is located relative to said frame structure.

2,041,507
COMBINATION FAN AND VIBRATION DAMPER
James C. Zeder, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application January 19, 1934, Serial No. 707,314
9 Claims. (Cl. 230—272)



1. In combination, a crank shaft for an internal combustion engine, vibration damping mechanism including a fan for the cooling system of said engine and also serving as an inertia member, a second inertia member, and independent yieldable means for connecting said fan and said second inertia member for movement relative to said crank shaft.

2,041,508
TUBING PLUG VALVE
Cleveland O. Moss, Drumright, Okla., assignor of one-half to Richard K. Huey, Tulsa, Okla.
Application March 2, 1933, Serial No. 659,307
8 Claims. (Cl. 166—13)

1. A plug valve including a tubing, a nipple having perforations toward its upper end, a coupling connecting said nipple to said tubing, a rod slidable upwardly in said nipple, means to retain said rod in said nipple, a seat in the lower side of said coupling, an upwardly seating plug adapted to fit said seat, and means on the lower end of said rod positioned to engage in the well out-



side said tubing and resist the movement of said rod.

2,041,509
PLAY PEN
Nathan W. O'Byrne, Baldwin, Kans.
Application June 10, 1935, Serial No. 25,850
6 Claims. (Cl. 5—98)

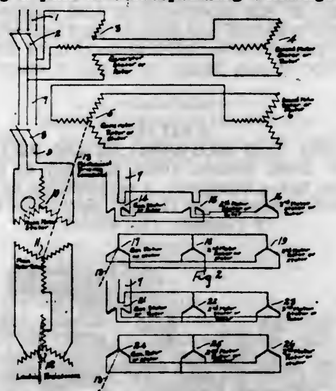


1. A play pen comprising a plurality of side panels, substantially equal in length, hingedly connected at their proximal ends to form an equilateral circumscribing body; a floor hingedly secured to one of said panels, said panels meeting in substantially perpendicular relation to each other at their points of juncture when the pen is open; and a spacer member attached to one end of one of said panels and extending at right angles thereto, a second of said panels hingedly secured to the free side of the spacing member, said first and second panels each having an adjacent panel hingedly secured thereto, one of said last named panels being slidably and hingedly connected to the second panel and arranged to fold parallel to the first named panels in a position between the same.

2,041,510
SYNCHRONOUS MOTOR DRIVE
Edward G. Parvin, Roselle, N. J., assignor to National Pneumatic Company, New York, N. Y., a corporation of West Virginia
Application October 12, 1934, Serial No. 748,026
13 Claims. (Cl. 172—293)

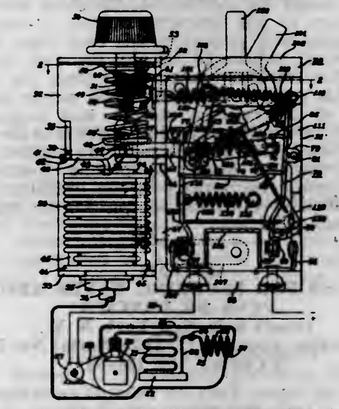
2. A synchronized drive system of the type described comprising a polyphase alternating current supply circuit, a polyphase motor energized from said circuit, a polyphase transmitter having a fixed winding and a rotatable winding, means for driving the rotatable winding from said

motor, a second polyphase motor having a fixed winding and a rotatable winding, means for connecting a pair of corresponding windings of the



transmitter and the second motor in series with said source, and connections between the other windings of said transmitter and second motor.

2,041,511
REFRIGERATING APPARATUS
George C. Pearce, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application June 18, 1932, Serial No. 618,007
8 Claims. (Cl. 200—81)



1. A circuit controlling apparatus including pressure responsive means for opening and closing an electric circuit for providing open and closed cycles according to certain pressures, a manually controllable means having an effective and an ineffective position, said manually controllable means being movable at will from effective to ineffective position and from ineffective to effective position, and means operatively connecting said pressure responsive means and the manually controllable means when in effective position for applying an additional force upon the pressure responsive means to provide a prolonged cycle, said manually controllable means being movable to ineffective position during a prolonged cycle to terminate prematurely a prolonged cycle, said connecting means being also operated by said pressure responsive means to return said controllable means from effective to ineffective position.

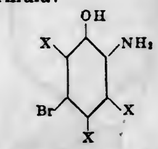
2,041,512
TETRAHALOGENO-ORTHO-AMINOPHENOLS
Max Raeck, Dessau-Haideburg in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application September 26, 1935, Serial No. 42,278. In Germany November 24, 1934
9 Claims. (Cl. 260—130.5)

1. The process which comprises reacting a halogeno-2-amino-1-hydroxybensene of the general formula

$$C_6H_{4-n}hlg_n OH(1)NH_2(2)$$

hlg meaning halogen, n meaning 1, 2 or 3, substituted by halogen at least in the 6-position with phosgene to form the corresponding oxazolone, halogenating this compound and saponifying the oxazole ring.

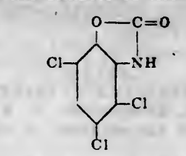
8. The 1-hydroxy-2-aminohalogenobenzols of the general formula:



wherein X means a halogen of the group consisting of Br and Cl.

2,041,513
TETRAHALOGENO-ORTHO-AMINOPHENOLS
Max Raeck, Dessau-Haideburg in Anhalt, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application September 22, 1934. Serial No. 745,101. In Germany November 2, 1933
4 Claims. (Cl. 260—130.5)

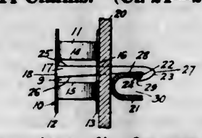
1. The process which comprises reacting 3,4,6-trichloro-2-amino-1-hydroxybenzene with phosgene to form the oxazole of the formula



halogenating this compound and saponifying the oxazole ring.

4. 3,4,6-trichloro - 5 - bromo - 2 - amino-1-hydroxybenzene.

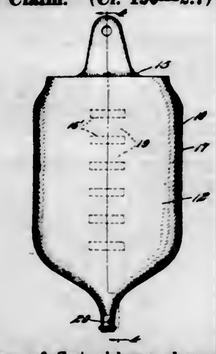
2,041,514
RADIATOR COVER CLIP
Harold J. Reiter, Chicago, Ill.
Application October 29, 1935, Serial No. 47,219
14 Claims. (Cl. 24—259)



7. In a one-piece clip for use in holding an automobile radiator cover to the grill bars of an automobile radiator, a U-shaped spring portion comprising a pair of similar transversely spaced U-shaped parts joined by a web at each of the ends of said parts, and a grill bar-engaging member extending between said parts, and integrally

joined at one end to and extending angularly from an inner edge of one of said webs, and extending laterally past the other web in the fully extended position of said spring portion.

2,041,515
LIQUID BAG
Antonio Richards, Providence, R. I.
Application March 18, 1935, Serial No. 11,535
1 Claim. (Cl. 150—2.7)



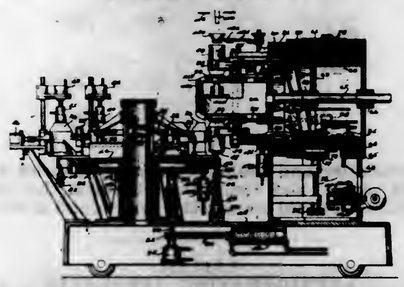
A molded bag of flat oblong shape for holding liquids, having a filling opening at the upper end thereof and flexible side walls, and having, when the bag is in a vertical position, a plurality of horizontally disposed walls, extending transversely of the bag for a substantial distance to either side of the center but terminating well within the side edges of the bag, and spaced one above the other for providing liquid circulation spaces from one side of the bag to the other, said horizontal walls being molded integrally with the side walls of the bag and serving to prevent irregular bowing of the bag when filled, the horizontal arrangement of said walls facilitating the bending of the bag about axes transverse thereof, said horizontally disposed walls, while flexible, being of sufficient rigidity to hold the walls spaced apart when the bag is empty.

2,041,516
ART OF PRODUCING CONTAINERS
Harry B. Rudd, Douglaston, N. Y., assignor to Rudd Patents Corporation, a corporation of Delaware
Original application November 27, 1931, Serial No. 577,568. Divided and this application May 19, 1932, Serial No. 612,371
2 Claims. (Cl. 29—148.2)



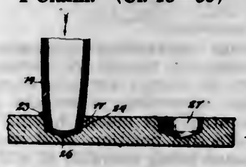
1. In the art of manufacturing a container, the steps which consist in producing, by a drawing operation effected on a mass of metal, a cylinder-like structure open at one end and closed at its other end by a transverse wall surface, turning the wall at the open end of said cylinder-like structure inwardly and then toward said wall surface to produce a flange, and machining the lower surface of said flange to render it smooth and even.

2,041,517
MACHINE FOR BLOWING GLASS ARTICLES
John F. Rule, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application September 11, 1933, Serial No. 688,896
20 Claims. (Cl. 49—9)



1. A machine for forming hollow glass articles, comprising a pair of parison molds, means for supporting one of said molds at a charge receiving position while the other mold is at a parison transfer station, a series of finishing molds, means for moving the finishing molds in succession to tne transfer station, means for transposing said parison molds each time a finishing mold is brought to said transfer station, means for transferring parisons from the parison molds to each of the finishing molds in succession at the transfer station, and means for introducing charges of molten glass into the parison molds at the charge receiving station, said parison transfer means comprising mechanism for enclosing the parison in the finishing mold and thereafter releasing the parison to the finishing mold.

2,041,518
PROCESS FOR SECURING BANDS AROUND PENS OR PENCILS
Ignatz Saks, New York, N. Y.
Application January 17, 1935, Serial No. 2,300
1 Claim. (Cl. 18—59)



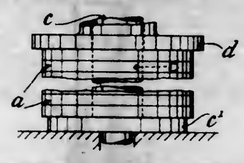
The method of securing a ring around a preformed hollow barrel made of thermoplastic material comprising first, while the barrel is in hard unworkable condition, removing an annular portion of the outer surface of the barrel from the end of the barrel to the place where the ring is to be located so as to provide an annular seating shoulder for the ring, sliding the ring over the reduced end portion of the barrel into contact with said shoulder, applying heat to the reduced end portion from the exterior thereof so as to render the material workable with the material adjacent the outer surface more plastic than the material in the inside of the barrel, then applying pressure against the reduced end of the barrel to cause the exterior portion of the wall of the barrel to be deformed outwardly to a point even with the periphery of the ring, leaving the interior of the wall substantially undisturbed.

2,041,519
MOLDBOARD FOR PLOWS
Rudolph J. Altgelt, South Bend, Ind., assignor to Oliver Farm Equipment Company, a corporation of Delaware
Application February 25, 1935, Serial No. 8,027
4 Claims. (Cl. 97—123)



1. A moldboard for plows consisting of outer layers of relatively high carbon steel and an intermediate layer of relatively low carbon steel located off center with respect to the surfaces of said outer layers.

2,041,520
MANUFACTURE OF SQUEEZING OR EXPRESSING BOWLS, ROLLERS, AND SUCH LIKE
Daniel Bamford, Middleton, England
Application February 8, 1934, Serial No. 710,321
In Great Britain February 9, 1933
7 Claims. (Cl. 154—2)



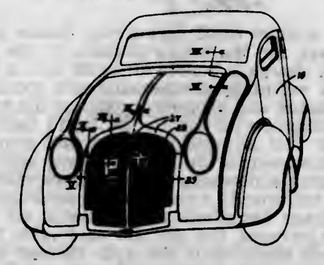
3. The method of manufacturing squeezing bowls which consists in shaping fibrous material such as wood pulp into discs, impregnating said discs with a latex solution containing sulphur, expressing surplus solution from such impregnated discs, drying and vulcanizing these discs, then compressing together a plurality of such discs assembled on a mandrel and maintaining them in compressed condition thereon.

2,041,521
SURGICAL INSTRUMENT
Samuel J. Blumenthal, Brooklyn, N. Y.
Application October 31, 1933, Serial No. 695,973
19 Claims. (Cl. 128—309)



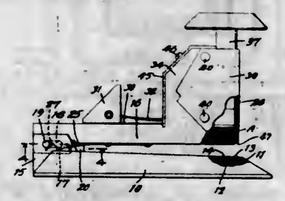
1. In an instrument of the class described, a yoke-shaped frame including channeled side rails and a grooved crosshead, a relatively large opening in the frame adjacent and in alinement with the crosshead thereof, a wire fashioned to form a crosshead seating in the groove of said first named crosshead and including side members disposed in the channel of the side rails of said frame, means for moving the crosshead of said wire toward and from the crosshead of said frame, and a jaw member slidably engaging the frame and movable toward and from said crosshead, said member including a surface seating on the crosshead of the frame at one side of the groove therein.

2,041,522
AUTOMOBILE
Carl Breer, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application January 18, 1934, Serial No. 707,099
8 Claims. (Cl. 180—69)



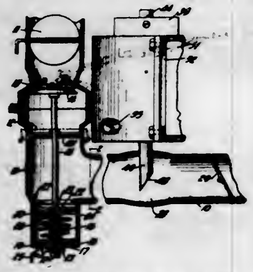
1. An automotive vehicle body comprising a cowl having two forwardly extending side portions, a cover member adapted to close the space between said side portions comprising a main body portion hinged to said cowl, and a second body portion hinged to said main body portion.

2,041,523
STAPLING DEVICE
Earl C. Bunnell, Stratford, Conn., assignor to Neva-Clog Products, Inc., Bridgeport, Conn., a corporation of Connecticut
Application February 18, 1935, Serial No. 7,004
8 Claims. (Cl. 1—3)



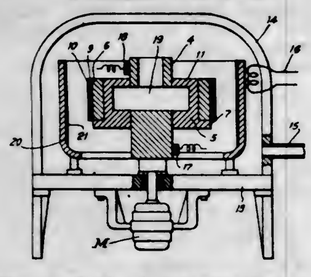
1. In a stapling device for inverted U-shaped staples, a base part, a staple driving part, an anvil carried by said base part having means adapted to bend the legs of a driven staple inwardly and means spaced therefrom adapted to bend the legs of a driven staple outwardly, a pivot pin on one of said parts and slotted means on the other of said parts engaging said pivot pin, permitting relative shifting movement between said parts whereby the driven staple may be registered respectively with one or the other of said staple leg bending means, and a spring carried by said part having said slotted means having a camming portion adapted to engage at one or the other sides of said pin to yieldably retain said parts in one or the other of their shifted positions.

2,041,524
CARBURETOR
Fred J. Burrows, Ticonderoga, and William H. Burrows, Crown Point, N. Y.
Application June 14, 1932, Serial No. 617,126
12 Claims. (Cl. 261—54)



1. In a down draft carburetor, means forming a passage for the major portion of the air for the fuel charge, a source of liquid fuel, a tubular element extending downwardly and opening into said passage and communicating at the top with the atmosphere and with the liquid fuel source whereby fuel is aspirated from said source and flows downwardly in said element, and means comprising a normally closed poppet valve operable in response to a reduction in pressure in said air passage for admitting additional air to said tubular element, the seat for said valve forming an acute angle with the axis thereof whereby comparatively large movements of said valve produce comparatively small variations in the amount of additional air supplied to said tubular element.

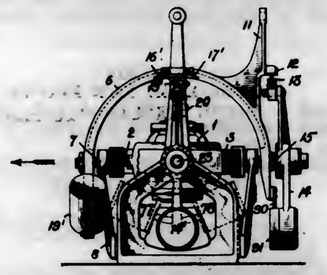
2,041,525
METHOD OF TESTING LUBRICANTS
Leon Cammen, New York, N. Y.
Application April 20, 1932, Serial No. 606,335
3 Claims. (Cl. 73—51)



3. The method of investigating a lubricant which consists in determining the adhesive qualities thereof by applying said lubricant to the periphery of a rotatable member before rotating the same, rotating said member at high speeds and measuring the thickness of the film of lubricant remaining on the periphery of said member.

2,041,526
GYRO BASELINE
Leslie F. Carter, Leonia, N. J., assignor, by mesne assignments, to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York
Application April 22, 1929, Serial No. 358,418
13 Claims. (Cl. 33—204)

9. In a gyro base-line for moving vehicles, the combination with a gyroscope having three degrees of freedom, of means for supporting the same, a pendulous device mounted independently movable with respect to said gyroscope so as not to affect the equilibrium of the gyroscope or to



be affected by the movements of said gyroscope, a source of power controlled thereby, and means whereby the power from said source is directly applied to said gyroscope as a controlling torque.

2,041,527
INJECTOR
Elmer O. Corey, Norwood, Ohio, assignor to The Edna Brass Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio
Application February 8, 1935, Serial No. 5,624
2 Claims. (Cl. 103—264)

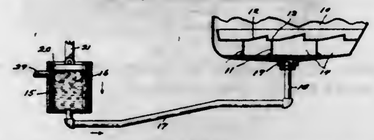


1. A tube structure for use within an injector casing, comprising, a combining tube section having a bore which gradually decreases in diameter from its entrance end for a determined portion of its length, a delivery tube section having a bore which gradually increases in diameter toward its discharge end for a determined portion of its length, said sections separably united by a screw-threaded connection in end-to-end axial alignment, and a liner tube longitudinally interveningly socketed within the opposing ends of said combining and delivery tube sections with its opposing ends respectively in abutting shouldered union engagement with said tube sections and of a length to space the relative opposing ends of said sections when the parts are assembled, said liner tube having a converging-diverging bore therethrough in end registration with the bore of each of said sections forming a continuation thereof, the bore of said parts providing a passage devoid of lateral outlets, with the smaller diameter thereof intermediate of the liner tube.

2,041,528
SAFETY GLASS
Emile Clément Cottet, Lyon, France, assignor to Societe des Usines Chimiques Rhone-Poulenc, Paris, France
No Drawing. Application November 24, 1934, Serial No. 754,611. In Great Britain November 27, 1933
1 Claim. (Cl. 49—81)

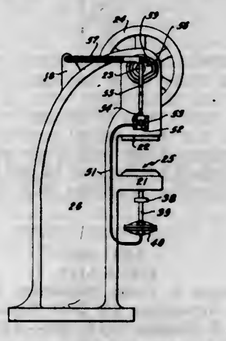
As a new article of manufacture a safety glass containing an adhesive layer, one of the constituents of which is an ester of silicic acid.

2,041,529
CRANK AND GEAR CASE CLEANING APPARATUS
James K. Delano, New York, N. Y.
Application November 21, 1934, Serial No. 754,025
3 Claims. (Cl. 184—1.5)



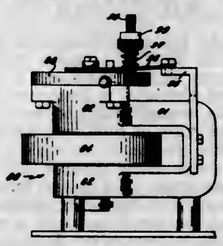
1. In a crank-case cleaning apparatus having a pumping member adapted to contain a fluid supply and a tubular connection for conveying the fluid to the crank-case, of automatic means for injecting a predetermined quantity of the fluid into the crank-case and withdrawing the same immediately, automatic means for repeating the injections and withdrawals for a predetermined number of times, and automatic means for ceasing the operations when the last of the predetermined number of withdrawals of fluid is completed.

2,041,530
APPARATUS FOR MAKING SHOE SOLES
William J. De Witt and Erle Floyd Beers, Auburn, N. Y., assignors to Dun Deer Sandals, Inc., Auburn, N. Y., a corporation of Delaware
Application April 10, 1933, Serial No. 665,296
5 Claims. (Cl. 164—33)



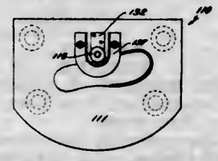
1. Apparatus for making shoe soles and preparing them for assembly with shoe uppers including a press for blanking shoe soles comprising a bolster, a ram, a blanking die supported upon the bolster, said die including a base plate, a shearing knife surrounding said base plate and by which the edges of the soles are formed, and a stripper plate enclosed by said knife, means for moving said ram toward and away from said die and stripper plate, actuating mechanism operated by said means for causing the stripper plate to remove the soles from the die as the ram is moved away from the die, said mechanism including a plunger by which the stripper plate is raised pneumatic means for actuating said plunger, and a valve tripped by the ram as it moves away from the die for causing said pneumatic means so to act.

2,041,531
APPARATUS FOR MAKING SHOE SOLES
William J. De Witt and Erle Floyd Beers, Auburn, N. Y., assignors to Dun Deer Sandals, Inc., Auburn, N. Y., a corporation of Delaware
Original application April 10, 1933, Serial No. 665,296. Divided and this application May 25, 1935, Serial No. 23,391
8 Claims. (Cl. 12—27)



1. A machine for splitting the edge of a shoe sole along a line intermediate the upper and lower surfaces of the sole to form upper and lower lips, comprising a rotatable cutting knife, a washer adjacent one face of the knife and against which one lip of the sole bears to determine the depth of the split, and a ring adjacent the other face of the knife and having a depression therein into which enters the other lip of the sole as it is being formed, the depression being circular and made in two portions each of which is bounded in part along an arcuate line, the line of one portion being nearer the knife than that of the other portion, the sole extending into contact with the blade at the beginning of the splitting operation past the first named portion and thereafter past the second named portion.

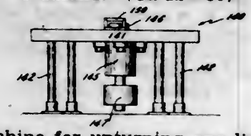
2,041,532
APPARATUS FOR MAKING SHOE SOLES
William J. De Witt and Erle Floyd Beers, Auburn, N. Y., assignors to Dun Deer Sandals, Inc., Auburn, N. Y., a corporation of Delaware
Original application April 10, 1933, Serial No. 665,296. Divided and this application May 25, 1935, Serial No. 23,392
6 Claims. (Cl. 12—17)



1. A machine for trimming the lower lip of a shoe sole, the edge of which has been split to provide upper and lower lips, comprising a bed plate, a milling cutter above the bed plate and a stationary positioning plate fixed upon the bed plate and located between the bed plate and cutter, said positioning plate having a tongue which enters

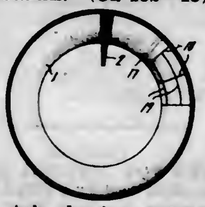
the split in the sole edge and guides the lower lip into contact with the cutter while holding the upper lip out of such contact.

2,041,533
APPARATUS FOR MAKING SHOE SOLES
William J. De Witt and Erle Floyd Beers, Auburn, N. Y., assignors to Dun Deer Sandals, Inc., Auburn, N. Y., a corporation of Delaware
Original application April 10, 1933, Serial No. 665,296. Divided and this application May 25, 1935, Serial No. 23,393
3 Claims. (Cl. 12—30)



1. A machine for upturning one lip of a shoe sole the edge of which has been split to provide upper and lower lips, comprising a bed plate, a plate mounted thereon, a hammer reciprocable over said plate, a cage fixed to said bed plate to control the direction of reciprocation of the hammer, a rotatable block against which the hammer is held by the sole being treated, the block being provided with corners and means for rotating the block to advance the hammer, intermittently by the corners of the block, against a partially upturned lip of the sole to bend the same, the other lip resting against the plate mounted on the bed plate to determine the location of the line along which the first mentioned lip is bent.

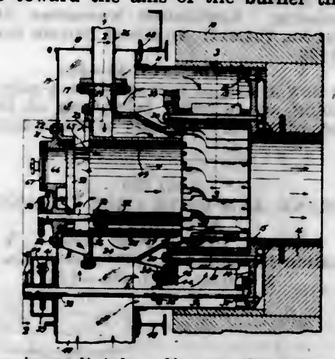
2,041,534
INNER TUBE
Ernst Eger, Grosse Pointe Park, Mich., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application January 19, 1935, Serial No. 2,527
6 Claims. (Cl. 152—13)



6. An inner tube having a transversely extending seam offering greater resistance to inflation of the tube than the main tube body and superficial venting means applied to the tube in the seam area for preventing the pocketing of air at and near the seam.

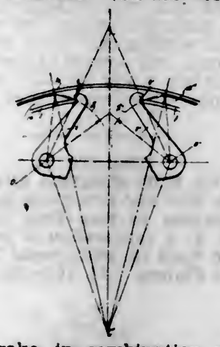
2,041,535
BURNER
Martin Frisch, Bronx, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application December 13, 1930, Serial No. 502,115
12 Claims. (Cl. 110—104)

5. A burner for pulverized fuel comprising a fuel housing having an outlet, means for supplying pulverized fuel to the housing for discharge through said outlet, a plurality of movable inclined vanes disposed about the fuel housing outlet in close proximity thereto, and means for supplying air to said vanes for passage therebetween and mixture with the pulverized fuel discharged from said outlet, said vanes being so constructed that the portions thereof which are more remote from the fuel housing outlet extend farther toward the axis of the burner than the



portions immediately adjacent the outlet when the vanes are in open position.

2,041,536
BAND BRAKE
Pierre Marie Fromaget, Toulon, France
Application July 7, 1931, Serial No. 549,189
In France July 16, 1930
9 Claims. (Cl. 188—78)



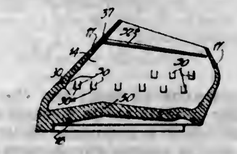
1. In a brake, in combination with a brake drum and a brake band having a lining subject to and capable of uniform wear, a stop for the ends of the band, and actuating levers centered substantially for their initial position at the center of curvature of the true circle substituted for the arc described by the end of the band passing through successive positions due to wearing of the lining.

2,041,537
PACKAGE
George S. Frost, Baldwin, N. Y.
Application November 16, 1934, Serial No. 753,283
7 Claims. (Cl. 229—45)



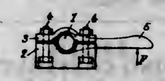
4. An article of the class described, including a supporting member of stiff material having an outwardly and downwardly extending frusto-conical annular flange extending from the outer edge thereof, said flange being made of stiff but bendable material and having a free lower edge and a cover for said supporting member, including a downwardly and outwardly extending frusto-conical wall having an inwardly extending projection around the same, said frusto-conical cover member adapted to be pressed downwardly on said flange, the free portion of said flange adapted to yield inwardly to permit said inwardly extending projection on the cover to pass the free edge of said flange, and said projection adapted to lock under said free edge of the flange after passing said free edge.

2,041,538
HORSESHOE
Gordon Gash, Balaclava, and Charles Michael Godby, Caulfield, Victoria, Australia
Application June 1, 1933, Serial No. 673,860
In Australia June 8, 1932
1 Claim. (Cl. 168—4)



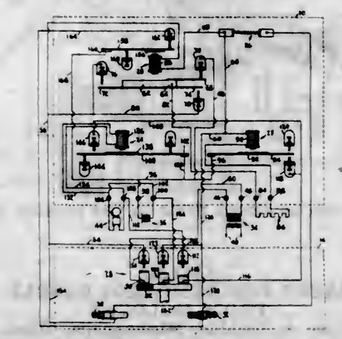
A resilient horse shoe comprising a tread portion and a wall portion shaped to conform to the tapered portion of the hoof above its tread portion, and adapted to spring into contact with said tapered portion, said wall portion being provided on its inner surface with inwardly projecting compressible and deformable protuberances formed and arranged to be pressed against the hoof by the contractile force of said wall portion, and compressed and deformed or flattened against the hoof to provide the internal surface of the wall portion with compressed areas adapted to cling to the hoof more strongly than the major portions of said internal surface, said major portions surrounding the protuberances, said protuberances including elongated ridges extending substantially parallel with the tread portion of the shoe and spaced therefrom, each ridge having two faces meeting to form a compressible and deformable salient angle extending lengthwise of the ridge, the arrangement being such that the shoe may be freely donned and doffed, and is confined against accidental displacement by said compressed areas.

2,041,539
VALVE SPRING ARRANGEMENT
Maurice Gaultier, Carrieres-sur-Seine, France, assignor to Delage & Cie, Paris France
Application January 27, 1933, Serial No. 653,836
In France December 6, 1932
12 Claims. (Cl. 123—90)



1. In a valve control gear for internal combustion engine, a plurality of valves, aligned in a direction parallel with the longitudinal axis of the engine, control means and a return spring member for each valve, said return spring member comprising a rectilinear bar of elastic metal, means for clamping one end of said bar, a lateral projection at the opposite end of said bar, operatively connected with said valve, and means for imparting an initial torsion to said bar, the axes of said bars being parallel and inclined with respect to said longitudinal axis.

2,041,540
ALARM APPARATUS
Benjamin Goldstone, Long Beach, N. Y.
Application June 30, 1931, Serial No. 547,842
4 Claims. (Cl. 177—314)

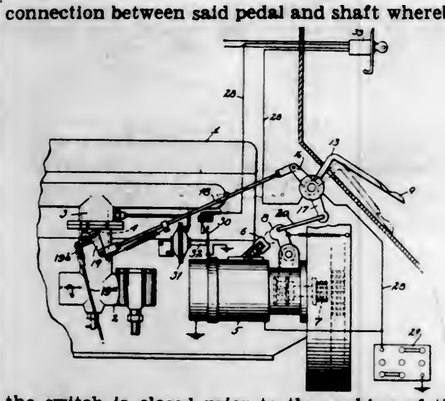


1. In alarm apparatus, a protective circuit, alarm-producing means, an alternating current power source, a direct current power source, a switch-over relay, a heavy armature for the switch-over relay pivotally mounted in an unbalanced state, the armature being in the protective circuit, the switch-over relay normally being energized by the alternating current power source to maintain the armature raised against gravitational force and thus to keep the armature and the protective circuit in circuit with the alternating current power source; the armature comprising means, when the alternating current power source is deenergized, to move to cut the alternating current power source out of circuit with the protective circuit and the armature, and to bring the direct current power source into circuit with both armature and protective circuit; and a drop relay in the protective circuit, the drop relay having a relatively light armature for controlling the alarm-producing means, the movements of the armatures for making or breaking their circuits being limited, the limits of the movements being defined so that, in such circuit-making or circuit-breaking movements, they will, at substantially the same instant, be freed for movement, but the switch-over relay armature will complete its circuit before the drop relay armature may become effective.

2,041,541
AUTOMATIC DRIVING CONTROL
John Good, Garden City, N. Y., assignor to Automatic Motor Stop and Start, Inc., New York, N. Y., a corporation of New York
Application March 22, 1932, Serial No. 600,437
7 Claims. (Cl. 280—38)

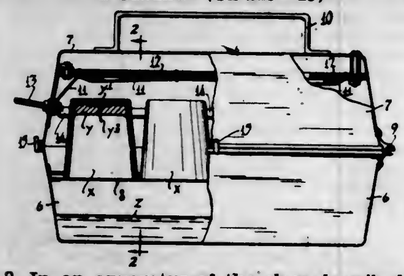
7. In combination with an engine, a throttle in control of the fuel supply thereto, engine cranking mechanism and a single operator's pedal for operating the throttle and rendering active said mechanism, of means for controlling the pedal action with respect to said mechanism including a circuit, a switch controlling a gap therein, said switch adapted to be closed by the initial movement of the pedal upon each depression thereof, a rock shaft arranged to operate alternatively the throttle or said mechanism and a lost motion

connection between said pedal and shaft whereby



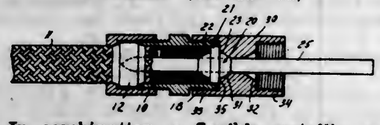
the switch is closed prior to the rocking of the shaft.

2,041,542
APPARATUS FOR REMOVING CANDLE WAX FROM HOLDERS
Clerc A. Gribble, Minneapolis, Minn.
Application August 3, 1934, Serial No. 738,367
2 Claims. (Cl. 219—19)



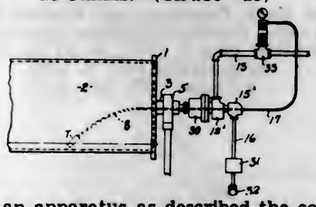
2. In an apparatus of the class described, an invertible receptacle, a displaceable supporting rack in the receptacle, an inverted pan-like cover displaceably applied to the receptacle, a heating element in the cover, and means in the cover for supporting said cover on the receptacle, when said receptacle is inverted, with the side walls of the cover and the receptacle spaced, the one from the other.

2,041,543
FLEXIBLE TUBING
Stephen Guarnaschelli, Brooklyn, N. Y., assignor to Packless Metal Products Corporation, New York, N. Y., a corporation of Delaware
Application March 3, 1934, Serial No. 713,825
6 Claims. (Cl. 285—72)



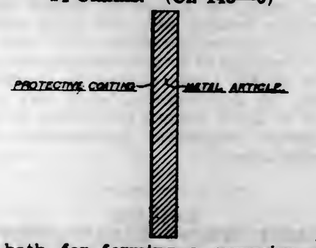
2. In combination, a flexible metallic, corrugated tube, a coupling member having a substantially smooth inner surface spaced from and surrounding an end portion of the tube, means for anchoring said member at a point spaced from said end, against movement in the direction of said end, a second coupling member threaded to said first coupling member and enclosing a conical projection arranged to engage the end of the tube and as said second coupling member is threaded on said first coupling member to compress the end of the tube, beyond said anchor point, into a substantially solid mass and for forming a seal between the tube and conical projection.

2,041,544
TEMPERATURE CONTROL APPARATUS
Elmer H. Hammond, Mill Hill, Southport, Conn., assignor to Consolidated Ashcroft Hancock Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application August 4, 1934, Serial No. 738,444
15 Claims. (Cl. 236—18)



1. In an apparatus as described the combination comprising a wall to be heated forming a closed space in which condensate collects in contact with the wall, a supply connection for a condensible heating medium for the space, a condensate discharge connection for the space and means in the discharge connection forming a continuation thereof and subject to the condensate temperature within the space for controlling the flow of condensible heating medium through its supply connection.

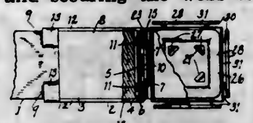
2,041,545
CORROSION RESISTING COATING
Carl E. Heussner, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application May 29, 1933, Serial No. 673,475
14 Claims. (Cl. 148—6)



1. A bath for forming a corrosion resisting coating on articles containing zinc comprising a water solution substantially free from iron and its compounds including the reaction products of barium nitrate, a water soluble manganous salt, and an acidifying agent.

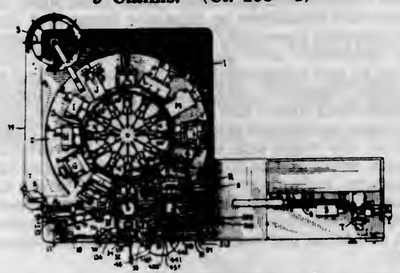
2,041,546
BUILDING CONSTRUCTION
William R. Hodgins, Grand Rapids, Mich., assignor of one-half to Bryan E. Collier, Grand Rapids, Mich.
Application September 8, 1934, Serial No. 743,173
7 Claims. (Cl. 20—1)

1. In a building construction; the combination with an elongated building member of substantially square cross section terminating in a right end face, of a cup-shaped end coupling element fitting the end of said building member and comprising an inner channel having its web spaced from the end face of the building member and provided with spaced slots, the flanges of the channel overlapping opposite sides of the building member and having extensions adjacent the corners thereof, and an outer channel having its web overlapping the web of the inner channel and provided with tongues extending through said slots and securing the webs together, the



flanges of the outer channel overlapping the other opposite sides of the building member and the side edges of the flanges of the inner channel and having lateral keepers overlapping said extensions and engaging the building member and the end edges of the flanges of the inner channel, the end element being provided with integral connecting means at its outer end up-struck from the web of said outer channel.

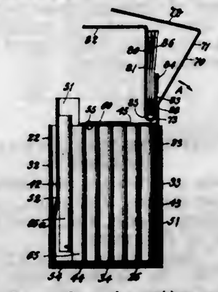
2,041,547
METHOD AND MACHINE FOR MAKING KNITTING NEEDLES
Alfred Hofmann, Palisade, N. J., assignor to Alfred Hofmann Needle Works, Inc., Union City, N. J., a corporation of New Jersey
Application June 20, 1934, Serial No. 731,440
9 Claims. (Cl. 163—4)



1. In a continuous method of making bearded knitting needles the steps of cutting a wire stock to length, bending one end of each length to approximately a right angle, cutting and swedging the other end of each length to form a point thereon, milling a flat at the base of each point, cutting a slot in the milled portion of each length, subjecting the slot to pressure to size and shape it, milling and polishing the top and sides of the slot and bending the pointed end to form a beard.

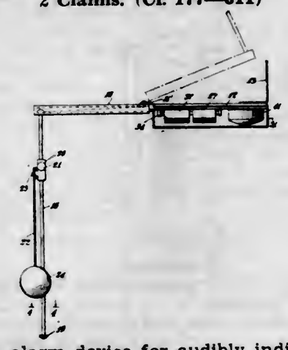
3. A machine of the type described for making bearded knitting needles comprising in combination a small turret, a large turret, means for imparting step-by-step rotary movement to each turret, means for causing linear reciprocation of the small turret, rotary movement of the small turret occurring at the end of its linear movement in one direction, means for cutting and delivering lengths of stock to the small turret, means for rolling the end surface of one end of each length positioned for operation on the length when presented thereto by the small turret, means for bending the rolled end of the stock when presented thereto by the small turret, the small turret being positionable to deliver the length of stock to the large turret, a plurality of attachments adjacent the large turret to which the large turret successively presents the lengths of stock for operation thereon, and driving mechanism for imparting timed movement to all of said parts.

2,041,548
PACKAGE FOR CIGARETTES OR CIGARS AND MATCHES
Abraham Max Holtzman, Brooklyn, N. Y.
Application January 28, 1935, Serial No. 3,758
3 Claims. (Cl. 206—48)



1. In a package for cigarettes or cigars and matches, the combination of a wrapper, comprising side walls, a front wall and a rear wall, a match holder cover comprising a middle member, a locking leg and a lower member, the said lower member fastened to the upper portion of the rear wall of the wrapper, a match holder comprising a middle member, a locking leg and a lower member, matches positioned between the middle member and lower member of the match holder, means to clamp together the match holder cover, the match holder and the matches, the said locking legs bearing against the inner face of the front wall of the wrapper when in closed position to preserve the aroma and moisture of the contents of the package.

2,041,549
ALARM DEVICE
Albin Jaeger, Brooklyn, N. Y.
Application April 21, 1932, Serial No. 606,625
2 Claims. (Cl. 177—311)



1. An alarm device for audibly indicating the rise of the water level in a bathtub above a certain pre-determined point, comprising a support, a plate hingedly connected with said support at two separate points, said support adapted to be folded upon said plate when the device is not in use, a pair of parallel metal rods depending from said support insulated from one another, one of said rods being circular in cross section and the other non-circular in cross section, a sleeve having an opening of non-circular cross-section permitting it to slide on said rod having non-circular cross section and prevented from turning on said rod, means for securing said sleeve on its rod in any of its adjusted positions, a source of

current and an electric alarm and a circuit in which said metal rods and alarm are located, a float having an arm of conducting material pivoted intermediate its ends on said sleeve to provide a contact finger normally held out of contact with the other of said rods, said finger engaging the rod of circular cross section as soon as the float arm assumes a substantially horizontal position on the water level to close the circuit and sound the alarm.

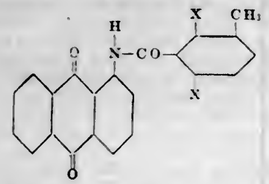
2,041,550

VAT DYESTUFFS OF THE ANTHRAQUINONE SERIES

Hans Krzikalla and Walter Limbacher, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application June 27, 1935, Serial No. 28,768. In Germany July 6, 1934
3 Claims. (Cl. 260—60)

1. Vat dyestuffs of the anthraquinone series corresponding to the general formula:



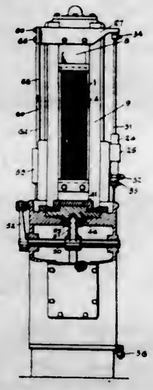
in which one X stands for the hydroxyl group the other X being hydrogen.

2,041,551

SURFACE BROACH

Francis J. Lapointe, Ann Arbor, Mich.

Application December 31, 1934, Serial No. 759,858
3 Claims. (Cl. 29—95.1)



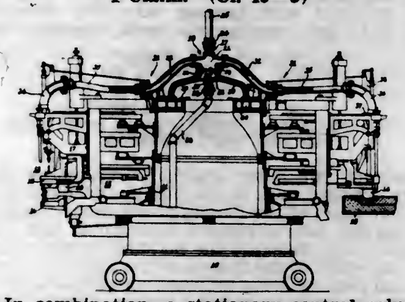
2. An oblong broach member for broach cutting work and having a relatively broad rear plane surface and parallel cutting teeth extending across the face of the broach member, the cutting edges of the teeth located in a plane parallel to the rear surface and inclined to the direction of the major axis of the broach member and operative to broach cut the work by progressive movements of both the work and the broach towards each other and in directions transverse to each other.

2,041,552

GLASSWARE FORMING MACHINE

Albert G. Lauck and Donald E. Grube, Alton, Ill., assignors to Owens-Illinois Glass Company, a corporation of Ohio

Application October 23, 1933, Serial No. 694,798
1 Claim. (Cl. 49—5)



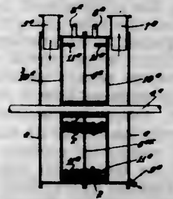
In combination, a stationary central column, a mold carriage rotatably supported on the column, mold groups on said carriage, a circular drum constituting a part of the carriage and arranged at the upper end thereof, an air chamber in said drum having connection with said mold groups, an air and vacuum distributing head resting upon and attached to said drum, said head including superposed air and vacuum chambers having opposed flanged vertical openings, a combined closure and partition plate interposed between said chambers to separate them and close said opposed openings, means rigidly connecting said chambers and partition plate, pipes individual to and connecting the mold groups and the vacuum chamber, said pipes being connected substantially above the said partition plate, pipes providing communication between the air chambers in the head and drum, a pair of vertically aligned ports at the common vertical axis of said chambers, stationary vertically aligned pipes and means rotatably connecting the pipes and ports of said chambers whereby the latter may rotate with the mold carriage relative to said stationary pipes.

2,041,553

SEPARATION OF DUST FROM GASES

Axel Larsen, Aalborg, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey

Application March 12, 1935, Serial No. 10,595
In Great Britain March 13, 1934
4 Claims. (Cl. 183—9)



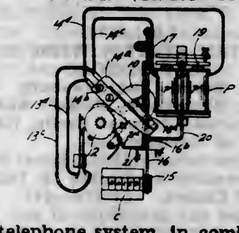
1. Apparatus for the separation of dust from gas comprising a container mounted to rotate and formed of perforated plates, a mass of loose bodies in the container, means to introduce water into the container, a casing about the container, a partition in the container having an opening, and means to introduce dust-laden gas into the casing at one side of the container and to pass through the perforated plates of the container and through the mass of bodies therein, means to permit the dust-free gas to escape from the casing at the other side of the container, and means to permit the dust-laden water to escape from the casing.

2,041,554

CALL RECORDING APPARATUS FOR TELEPHONES

Jacob E. Laskin, Shaker Heights, Ohio

Application August 3, 1933, Serial No. 683,435
25 Claims. (Cl. 179—11)



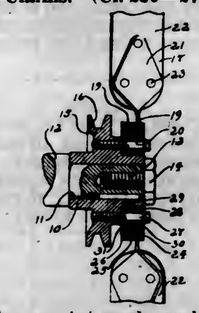
1. In a telephone system, in combination with an automatic telephone having a rotatable impulse dial, a main phone circuit, a switch for closing and opening said circuit, a counting device, a magnetic means operatively associated with said switch and device, an electrical circuit for said latter means, and means rendered operative through a predetermined number of impulses of said dial for connecting the second-named circuit into said first-named circuit.

2,041,555

COMBINATION FAN AND VIBRATION DAMPER

Roger K. Lee, Highland Park, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware

Application January 19, 1934, Serial No. 707,320
2 Claims. (Cl. 230—272)



1. A fan for an internal combustion engine cooling system including a member securable to a driving element, a pair of fan blade units associated with said member and movable independently relative thereto and to each other, and resilient elements fixed independently to said member and to each of said units respectively providing resilient driving connections between each of said units and said member.

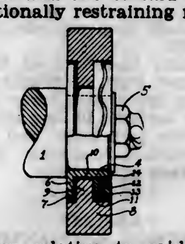
2,041,556

VIBRATION DAMPENER

Roger K. Lee, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware

Application August 22, 1929, Serial No. 387,653
18 Claims. (Cl. 74—574)

12. A vibration damper comprising a hub member adapted to be secured to a multi-throw crankshaft, a pair of radially extending axially spaced flanges on said hub member, an inertia member embraced by said flanges, engaged faces on said inertia member and one of said flanges respectively for frictionally restraining rotation of said



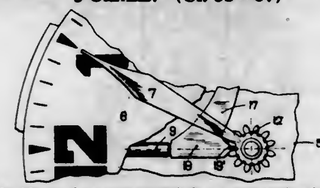
inertia member relative to said hub member, complementary interfitting cam surfaces on said inertia member and the other of said flanges respectively, and yielding means interposed between said cam surfaces.

2,041,557

TIMEPIECE

Georges Liengme, Cormoret, Switzerland

Application June 13, 1935, Serial No. 26,375
In Switzerland June 21, 1934
5 Claims. (Cl. 58—67)



2. A timepiece comprising a central arbor, a toothed wheel in frictional engagement with said arbor, an indicating hand directly driven by said toothed wheel, a further indicating hand, gearing through which said further indicating hand is driven from said toothed wheel, a hammer anchored at one end to the frame of said timepiece and having at its free end a nose, a spindle depressible from the exterior of the timepiece, said spindle, in being moved to its depressed position being adapted to force the nose of said hammer into engagement between two adjacent teeth of said toothed wheel and adapted thereby to shift said wheel so that the said two adjacent teeth assume positions in which they are symmetrical with respect to the line of motion of said hammer nose.

2,041,558

LINKS OF SEPARABLE FASTENERS

Davis Marinsky, Bronx, N. Y., assignor to Whitehall Patents Corporation, New York, N. Y., a corporation of New York

Application October 25, 1934. Serial No. 749,875
10 Claims. (Cl. 41—24)

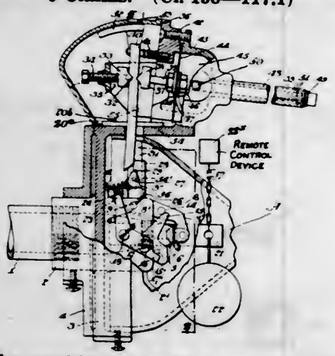


1. In separable fasteners of the class described employing stringers having coupling links spaced longitudinally of the edges thereof, the links interlocking to secure the stringers together, and

a slider movable along the stringers to couple and uncouple said links, each stringer consisting of a mounting tape with a plurality of cast links applied directly upon one edge portion of said tape and one side surface of each link being of irregular contour to give predetermined characteristics thereto.

10. In separable fasteners of the class described, a die cast body of predetermined contour and having upper and lower side surfaces, one of said side surfaces having recesses formed therein in casting said body, and said recesses giving predetermined marking characteristics to said side surface of the body.

2,041,559
CONTROL MECHANISM
Alexander A. Marks, Philadelphia, Pa.
Application August 23, 1928, Serial No. 301,547
9 Claims. (Cl. 158—117.1)



1. The combination with a burner, a pilot adjacent to said burner and a fuel-control valve normally biased toward closed position, of remote control mechanism controlling from a remote point the position of said valve and moving it toward open position, and mechanism operable by the combustion of fuel at said pilot for controlling said valve independently of the action of said remote control mechanism, said second named mechanism reestablishing the effectiveness of the control of said remote control mechanism over said valve upon the mere ignition of fuel at said pilot.

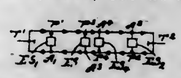
2,041,560
WATER SOLUBLE SULPHONATED CONDENSATION PRODUCTS
Ernst Alfred Mauersberger, Maarssen, near Utrecht, Netherlands
No Drawing. Application March 14, 1935, Serial No. 11,046. In Germany September 20, 1934
6 Claims. (Cl. 260—99.12)

1. As a new composition of matter, the sulphuric acid ester of the condensation product of a boric acid ester of an aliphatic alcohol with a boric acid ester of a cholesterin body, said aliphatic alcohol containing at least ten carbon atoms in the molecule.

2,041,561
MANUFACTURE OF THEOBROMINE
Ernst Alfred Mauersberger, Maarssen, near Utrecht, Netherlands
No Drawing. Application November 5, 1935, Serial No. 48,449
5 Claims. (Cl. 195—3)

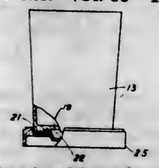
1. The herein described method of manufacturing theobromine from cocoa waste, which method comprises heating a mixture of defatted comminuted cocoa waste and lime, mixing the mass with water thereby producing a moist powder, fermenting said powder at approximately 60° C., in the absence of added ferment, treating the resulting product with an aqueous medium thereby extracting crude theobromine in the form of theobromine calcium and treating the theobromine calcium with an acidic medium thereby precipitating crude theobromine.

2,041,562
FOUR-WIRE SYSTEM WITH ECHO SUPPRESSORS
Hans Mayer, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a corporation of Germany
Application September 11, 1933, Serial No. 689,014
In Germany September 10, 1932
12 Claims. (Cl. 178—44)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



1. In a four-wire telephone transmission circuit including two one-way two-wire transmission paths adapted for transmission in opposite directions, terminals at the two ends of the four-wire circuit each arranged to transform the two one-way paths of the four-wire circuit into a single two-way two-wire transmission path, two cross-situated echo-suppressors each of which is located near one of the respective terminals of the four-wire circuit and comprising means operable by voice currents in the incoming path for disabling the outgoing path, and a further pair of echo-suppressors located between the said terminal echo-suppressors and connected in such a manner that in each path the branch point of one of these further suppressors follows the suppression point of the other.

2,041,563
SANITARY TUMBLER COVER AND COASTER
Christian W. Meinecke, East Orange, N. J., assignor to Meinecke & Company, New York, N. Y., a corporation of New Jersey
Application October 12, 1935, Serial No. 44,638
5 Claims. (Cl. 65—13)



1. A combination tumbler cover and top coaster comprising a base having a raised peripheral rim forming a central recess adapted to receive the bottom of a tumbler, a central depressed portion below the level of said base forming a recess adapted to receive the bottom of a medicine glass or to serve as a tray for pills or the like, and a raised flange of lesser elevation than said peripheral rim surrounding said central recess and adapted to engage and support the bottom of the tumbler.

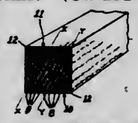
4. A combination tumbler cover and coaster comprising a base having a depending peripheral flange adapted to seat around the top of a tumbler, and a central depressed portion on the bottom adapted to seat within a medicine glass, the top of said base having a raised peripheral rim forming a central recess to receive the bottom of a tumbler and having a lower central recess surrounded by a raised flange of lesser elevation than said peripheral rim adapted to receive a medicine glass or the like.

2,041,564
SAFETY RAZOR
Joseph E. McWilliams, New York, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application August 13, 1932, Serial No. 628,688
Renewed April 4, 1935
5 Claims. (Cl. 30—72)



1. A safety razor comprising a handle, a blade holder symmetrically disposed with respect to said handle, a flexible double-edged blade, means holding the blade at a place on the far side of the handle from one of its cutting edges and dividing said blade into areas of different flexibility, each area including a cutting edge and a slot in the blade between the place where it is held and said remote cutting edge.

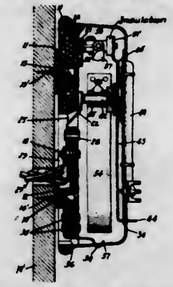
2,041,565
PACKING
Norman B. Miller, New York, N. Y.
Application February 20, 1934, Serial No. 712,214
4 Claims. (Cl. 154—45.5)



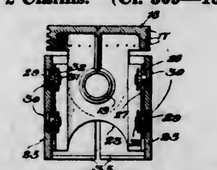
1. A packing comprising a body which is square in cross section and which is made up throughout of alternate layers of relatively stiff and relatively resilient material, said layers extending obliquely through the body and consisting of an intermediate group and opposite corner-forming groups, the intermediate group being of a thickness not less than ¼ the thickness of the body and its layers being of a length extending uninterruptedly through the body from the inner to the outer surface of the body, and the layers of the corner-forming groups being of successively decreasing length to opposite corners of the body.

2,041,566
THERMOSTAT
William N. Mischler, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application March 15, 1934, Serial No. 715,631
11 Claims. (Cl. 200—139)

1. In a thermostatic regulator adapted to be mounted on the wall of a room, a mounting plate, spaced apart binding posts carried by said plate and electrically insulated from each other, a quick detachable cover for said plate, a pair of spaced apart electrical contacts mounted upon the cover and electrically insulated from each other, an elongated thermostatic element having one end thereof mounted on the inside face of and in thermal conductive relation to the cover and the other end thereof extending between said electrical contacts, and means associated with said plate for electrically connecting individual ones of said binding posts to said element and said contacts respectively when the cover is mounted upon said plate.

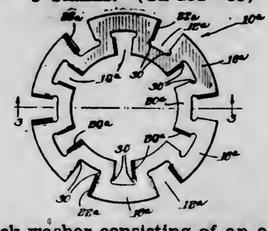


2,041,567
ENGINE PISTON
Emil Nelson, West Brainerd, Minn.
Application August 27, 1934, Serial No. 741,672
2 Claims. (Cl. 309—15)



1. A piston comprising a head, an integral skirt of less diameter than and connected directly to said head and extending to the other end of the piston structure and flattened exteriorly at opposite places, and rigidly and non-yieldingly secured to each side of said skirt a removable auxiliary skirt of substantially the same exterior diameter as said head, said two auxiliary skirts interiorly conforming in contour to the flattened and arcuate surfaces of said integral skirt, and said surfaces abutting substantially the entire area of said auxiliary skirt.

2,041,568
LOCK WASHER
Carl G. Olson, Chicago, Ill., assignor, by mesne assignments, to Illinois Tool Works, Chicago, Ill., a corporation of Illinois
Application January 31, 1929, Serial No. 336,437
5 Claims. (Cl. 151—35)



1. A lock washer consisting of an annular disc of spring metal having a series of radial notches formed alternately along its inner and outer peripheries, each of which has a circumferential width at its base as great as the radial width of

the segment of the disc at the base of the notch, and substantially rigid teeth along the radial margins of the notches projecting alternately in opposite directions from the surfaces of the disc and having edges extending radially of the washer and lying in planes parallel to the faces of the washer, the body being so notched that the application of pressure to said teeth flexes the material of the body into an undulated form.

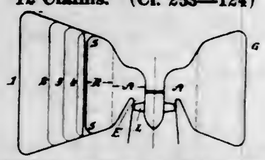
2,041,569
ELECTRODE SYSTEM HAVING UNSYMMETRICAL CONDUCTIVITY
Engbert Harmen Reerink and Jan Hendrik de Boer, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken
Application July 8, 1930, Serial No. 466,532
In the Netherlands August 24, 1929
16 Claims. (Cl. 175—366)



1. An electrode system comprising a conductive electrode surface of an earth metal, another conductive electrode surface of silver, and a solid intermediate layer of common salt between said electrode surfaces, the first electrode surface and the layer of common salt being mutually adsorbed.

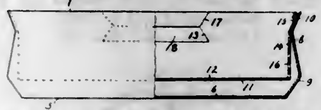
8. A method of manufacturing an electrode system containing a solid intermediate substance sandwiched between two conductive electrode surfaces, comprising the steps of pulverizing a silver wire within an envelope to produce a silvered mirror on the inner wall of the envelope contacting with a conductor sealed through part of the envelope, volatilizing common salt from a heating wire which partly consists of a spring connected at each end to a rod sealed through the wall of the tube, inserting through a side tube joined to the envelope the vapor of an alkaline earth metal which is deposited as an adsorbed layer on the layer of common salt, and passing a current of sufficient intensity through the heating wire so that at one end the connection of the spring to the rod melts and the spring is allowed to bend towards the wall of the tube and contact with the layer of alkaline earth metal.

2,041,570
TURBO-MACHINE
Manfred Reiffenstein, Vienna, Austria
Application November 27, 1933, Serial No. 699,964
In Austria July 22, 1933
12 Claims. (Cl. 253—124)



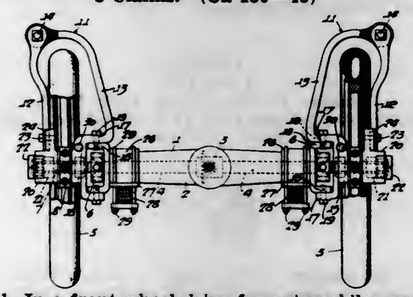
1. In a turbo-machine, of high specific speed, a plain spiral casing designed to be entirely filled by the fluid at all working conditions and having a runner's entrance and having a free inlet of greater cross-sectional area than that of the runner's entrance, a spur whose overall edge has a length considerably greater than the runner's entrance, said spur being disposed in the casing so as to provide a free space between the inner surface of the spur and the runner's entrance, the casing at a point in advance of the runner's entrance having a converging section, and a controllable runner for regulating the flow distribution and the performance of the turbo-machine.

2,041,571
COLOR RECEPTACLE
Antony Ruzicka, Montreal, Quebec, Canada
Application April 14, 1934, Serial No. 720,665
5 Claims. (Cl. 91—66)



1. A color receptacle comprising a pan, and a flat tray suspended horizontally in said pan having apertures in the ends thereof, adapted to receive a layer of fluid over its surface.

2,041,572
AUTOMOBILE FRONT WHEEL DRIVE AXLE
Wilson Selakosky, White Haven, Pa.
Application June 11, 1934, Serial No. 730,168
3 Claims. (Cl. 180—43)

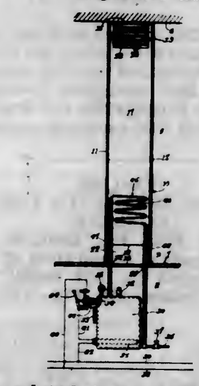


1. In a front wheel drive for automobiles comprising an axle housing and drive shaft extending therefrom and having means for securing it in the hub of the wheel, a wheel supporting bracket of yoke shape embodying inner and outer arms straddling the wheel at its inner and outer sides respectively, the inner arm of the bracket having an annular socket containing a bearing mounted on the hub of the wheel at its inner side and bent to underlie and overlie the axle housing and having means for pivotally mounting it on the axle housing, and means pivotally connecting the outer arm of the bracket to the inner arm thereof to swing outwardly away from the inner arm to render the wheel accessible for tire changing, a bearing housing containing a bearing secured on the hub of the wheel at its outer side, and means for detachably connecting the free end of the outer arm of the bracket to said bearing housing.

2,041,573
TEMPERATURE GENERATING AND CONTROL SYSTEM
Henry L. Shapard, Missoula, Mont.
Application June 3, 1935, Serial No. 24,769
2 Claims. (Cl. 219—38)

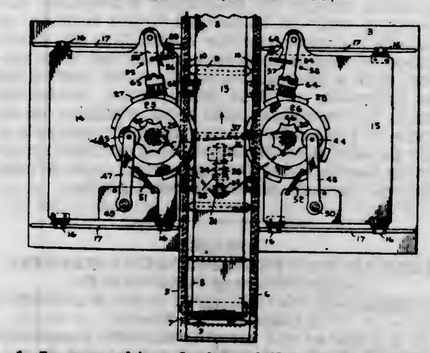
1. In a temperature generating and control system, a steam generating boiler of small capacity,

an electric heater positioned within and in proximity to the bottom of the boiler, a controllable water feed line opening into the boiler below the heater, a temporator for and adapted to be positioned within a chamber, said temporator formed of non-conducting material providing a heated air conducting passage and having an intake at its lower portion and an outlet at its upper portion, said outlet and intake opening into said chamber, thermostatic controlled means carried by the temporator and controlled by the temperature in said chamber for varying the area of said outlet, a valveless heat radiating element positioned in the temporator above said intake,



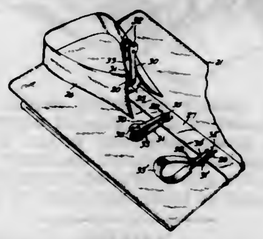
a valveless insulated steam conducting pipe leading from the boiler to said element, a valveless insulated return pipe leading from said element to said water feed line between its controlling means for the latter and the boiler, and a heater circuit having interposed therein a steam pressure controlled circuit opening and closing mechanism opening into the boiler, said temporator having spaced openings in its bottom, said pipes extending upwardly through said openings and suspending the radiating element within and in spaced relation to the inner face of the temporator.

2,041,574
MARKING DEVICE
Harry M. Smallen, Brooklyn, N. Y.
Application February 12, 1934, Serial No. 710,861
2 Claims. (Cl. 101—36)



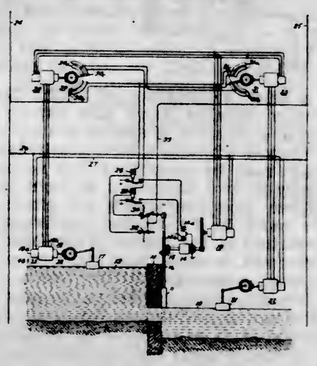
1. In a marking device of the class described, a frame, markers rotatably mounted at opposite sides thereof, a movable endless conveyor between said markers adapted to engage and convey the articles to be marked between said markers, and means providing for the synchronous rotation of said markers, and in combination therewith means for automatically predetermining the relative position of rest of said markers independently of the feed of the same.

2,041,575
GARMENT BUTTONHOLE ACCESSORY
James W. Steele, Kansas City, Mo.
Application December 24, 1934, Serial No. 758,993
5 Claims. (Cl. 24—40)



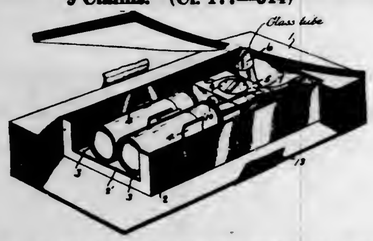
1. In combination with the button and buttonhole of a garment, a device for holding said button and buttonhole in matched and unbuttoned relation comprising yieldingly connected means insertable into position at opposite sides, above and below, the buttonhole strip and having means for making forked engagement with the button, and also means for projecting into the buttonhole for positively holding the same in registered relation with the button.

2,041,576
CONTROL SYSTEM
Alfred Suksdorf, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 6, 1935, Serial No. 34,859
6 Claims. (Cl. 61—28)



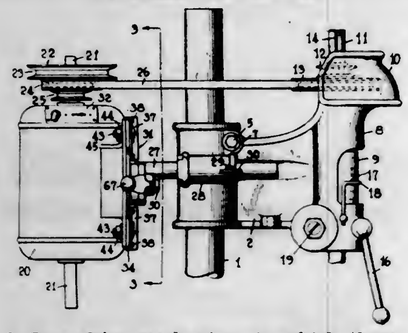
1. A system for controlling the levels of fluid bodies comprising valve means for controlling the communication between said bodies, means responsive to level of one of said bodies for controlling the opening of said valve, means responsive to the level of the other of said bodies for controlling the opening of said valve, and interlocking means controlled by both said level responsive means for limiting the operation of said valve by one of said level responsive means to limits determined by the other of said level responsive means.

2,041,577
PROTECTIVE PACKET
Clarence R. Sutherland, Dayton, Ohio
Application December 22, 1930, Serial No. 504,063
9 Claims. (Cl. 177—314)



1. In a robbery protective device, a dummy packet simulating a package of currency, a gas discharge device concealed within the package and automatically operated discharge means for the gas device also concealed within the package and energized by tilting movement of the packet.

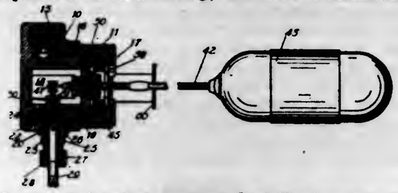
2,041,578
DRILL PRESS HEAD
Herbert E. Tautz, Milwaukee, Wis., assignor to Delta Manufacturing Company, Milwaukee, Wis.
Application December 8, 1933, Serial No. 701,515
10 Claims. (Cl. 248—16)



1. In a drive mechanism, in which there are substantially parallel drive and driven shafts, each having a number of spaced pulleys thereon, a motor support whereby a motor embodying such drive shaft may be supported and adjusted independently in two directions at right angles to one another, and comprising an element supported to move in a direction transverse to the axis of rotation of the motor, a sub-base carried by said element, a motor base support carried by said sub-base, means for shifting the motor base support in a direction parallel to the axis of rotation of the motor, and means for predetermining the extent of such adjustment to be equal to the spacing of said pulleys and for latching the adjusting device automatically when such predetermined adjustment has been made.

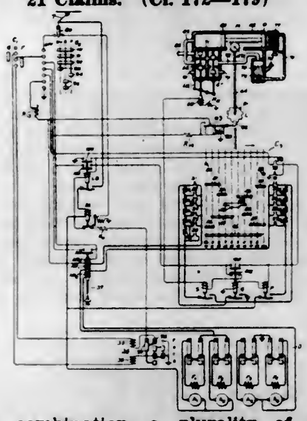
2,041,579
CONTROL DEVICE
Reidar A. Tollefsen, Sellersville, Pa., assignor to United States Gauge Company, New York, N. Y., a corporation of Pennsylvania
Application September 16, 1932, Serial No. 633,503
9 Claims. (Cl. 137—68)

3. A fluid control device comprising a fitting provided with means to secure it in an opening in a tank, a passage opening in said fitting, a sleeve valve threaded bodily in said passage and including a valve stem extending beyond said valve into said fitting, a float, an arm secured to said float and pivoted in said fitting, and means connecting



said arm and valve stem so that the buoyancy of the float opens said valve when the float is caused to reach a predetermined position and so that the weight of said float positively closes said valve and maintains it closed when the float is not sustained by the fluid that normally sustains it.

2,041,580
SYSTEM AND APPARATUS FOR MOTOR CONTROL
John F. Tritle, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application August 21, 1931, Serial No. 558,533
21 Claims. (Cl. 172—179)

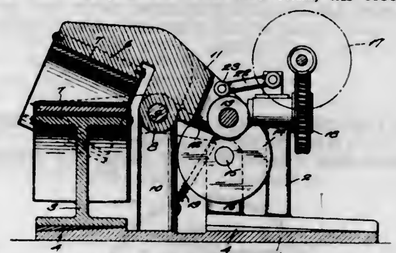


10. In combination, a plurality of motors, switching means for selectively connecting said motors in series or in parallel circuit relation, an accelerating controller for controlling the acceleration of said motors, an accelerating relay provided with a plurality of windings for controlling the operation of said acceleration controller, means for energizing said relay windings in response to the arithmetical sum of the currents in each parallel path during parallel operation comprising connections for connecting one of said windings in each of said parallel paths.

2,041,581
COLLAR AND CUFF PRESSING MACHINE
George Weisberg, Allentown, Pa.
Application June 12, 1935, Serial No. 26,270
2 Claims. (Cl. 68—9)

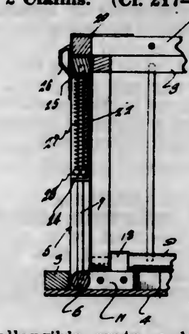
1. A collar or cuff pressing machine comprising a base, a fixed pressing element carried by said base, a movable pressing element carried by said base for cooperation with the fixed pressing element in pressing a collar or cuff therebetween, a shaft secured to the movable pressing element and

journaled on the base to permit a hinging movement of the movable pressing element towards and from the fixed pressing element, a cam roller journaled on the movable pressing element, a support carried by the base, a cam journaled on said support, and having high and low faces to engage the cam roller, spring means acting on said movable pressing element to retain the cam roller in engagement with the cam, an electric



motor connected to said cam, an electric circuit for said motor, a switch in said circuit and including a pivotal control arm contacting the cam roller for breaking the circuit during the engagement of the cam roller with the low face of the cam and to close said circuit during the engagement of the cam roller with the high face of the cam, and means for moving the movable pressing element into pressing position.

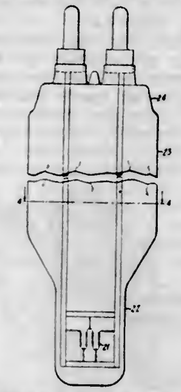
2,041,582
COLLAPSIBLE CRATE
John Robert Wheeling, Radford, Va.
Application December 18, 1934, Serial No. 758,074
2 Claims. (Cl. 217—47)



1. In a collapsible crate, a bottom including side and end frame members, cleats secured to the bottom within the confines of the frame and having end portions spaced from the end frame members and provided with semi-circular notches, end sections having bottom rounds resting on the bottom section and confined between the end frame members and the notched ends of said cleats, and side sections hinged to said cleats to fold inwardly and down upon the end sections.

2,041,583
ELECTRIC INCANDESCENT LAMP FOR PROJECTING PURPOSES
Daniel K. Wright, Cleveland Heights, Ohio, assignor to General Electric Company, a corporation of New York
Application June 12, 1934, Serial No. 730,236
6 Claims. (Cl. 176—16)

1. An incandescent projection lamp comprising a bulb having a reduced portion at one end thereof and a filament disposed in said reduced end portion and so designed that the light rays emanating therefrom will be at a maximum in a given direction, the said reduced end portion of said bulb having a cross-section of such shape

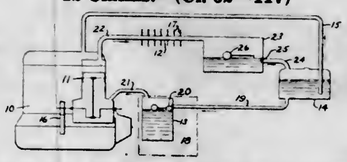


that the distance from wall to wall thereof in the direction of maximum light emission is less than the distance from wall to wall at right angles to the said direction of maximum light emission.

2,041,584
PROCESS FOR THE PURIFICATION OF WATER
Martha Adler, Carlsbad, Czechoslovakia
No Drawing. Application August 30, 1934, Serial No. 742,146. In Czechoslovakia October 24, 1933
3 Claims. (Cl. 210—23)

1. Process for the purification of water which consists in passing water over lumpy, water-resistant calcium sulphite.

2,041,585
REFRIGERATION SYSTEM FOR MOTOR VEHICLES
Sigurd Mattias Bäckstrom, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application October 24, 1933, Serial No. 694,922
In Germany November 12, 1932
12 Claims. (Cl. 62—117)

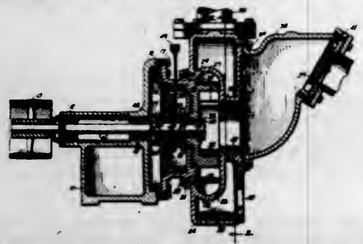


1. In combination with an internal combustion engine, a liquid fuel reservoir, a conduit for liquid from said reservoir to said engine, and a refrigeration system comprising an evaporator connected to receive liquid from said reservoir, a condenser connected to deliver liquid to said reservoir, and a compressor connected to withdraw vapor from said evaporator and compress the withdrawn vapor into said condenser.

2,041,586
SELF-PRIMING PUMP
Richard G. Barzen, Kansas City, Mo.
Application September 7, 1933, Serial No. 688,481
1 Claim. (Cl. 103—113)

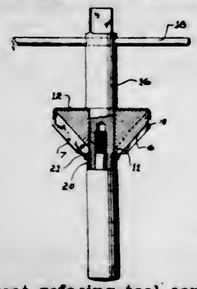
A self-priming pump construction comprising, a pump casing of approximately cylindrical form

having a discharge outlet at its top portion, one of the side walls of the casing having a hollow inwardly projecting neck portion providing an intake passage, a volute impeller housing connected integrally both with the opposite side wall and also with the inner end of said neck portion and having an outlet at the lowermost portion of said housing in approximately tangential relation to the interior wall of the casing for discharging into the outer space within the casing surrounding said housing, said outer space within the casing surrounding both said housing and said neck portion being undivided as well as entirely open and unobstructed to form a single



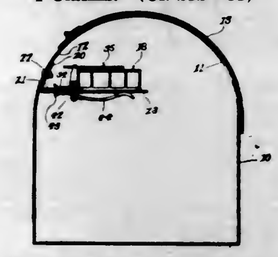
flow-space permitting free circulation of the priming liquid in one stream following a substantially circular path around both said housing and said neck portion, and a rotory impeller member operating within said housing about an axis alined centrally with said intake passage, the bottom of said neck portion having a port in the same vertical plane with the axis of said impeller member and positioned to direct a jet of priming liquid toward the central portion of the impeller housing, said housing outlet being also located in said vertical plane and below the level of said port.

2,041,587
REFACING TOOL FOR VALVE SEATS
Lawrence O. Beard, Lancaster, Pa.
Application July 29, 1932, Serial No. 625,916
1 Claim. (Cl. 90—12.5)



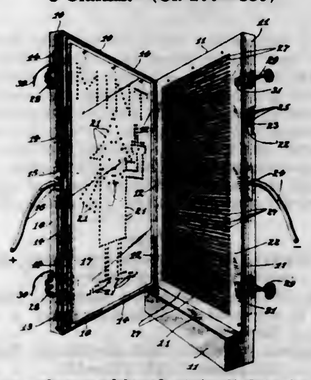
A valve seat refacing tool comprising a cone shaped centrally bored cutter head having inclined grooves of uniform depth therein, blades having inclined upper ends seated in said grooves, a perforated flanged top plate seated upon the top surface of said cutter head, said plate having its circumferential flange downwardly extended and snugly engaging the upper portion of said cutter head, and the lower edge thereof engaged with the inclined upper ends of said blades, a member having its externally threaded lower end extending downwardly through the bore of the cutter head and having a shoulder seated upon said plate for clamping the flange of said plate to the upper ends of said blades, and a nut and washer threadedly connected with the lower end of said member for rigidly supporting the lower ends of said blades, the diameter of said washer being equal to the diameter of the lower surface of said cutter head to support said blades at a point midway their width, said shouldered member extending upwardly to provide a rotating handle and torque transmitting element, the lower end of said member having an internally threaded bore, a pilot stem inserted in said bore, said stem engaging said nut for locking said nut in its clamping position.

2,041,588
ATTACHMENT FOR RURAL MAIL BOXES
Hans K. Boling, Lentner, Mo.
Application August 30, 1933, Serial No. 687,520
4 Claims. (Cl. 232—33)



1. An attachment for rural mail boxes comprising a stationary unit adapted to be anchored to and within the box and a removable unit for detachable connection to the said other unit, said removable unit including a supporting plate, a basket pivotally connected to, opposing one face of and normally closed by said plate, and a spring controlling device carried by the pivot for the basket for normally maintaining the basket in position to be closed by said plate, said device having as a part thereof a clamp coacting with the stationary unit for detachably connecting the removal unit to the stationary unit.

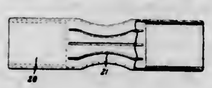
2,041,589
CHANGEABLE ELECTRIC LIGHT DEVICE
Charley Bowers, New York, N. Y., assignor of five per cent to William Saal, New York, N. Y.
Application January 30, 1931, Serial No. 512,271
5 Claims. (Cl. 177—350)



1. In a changeable electric light sign device, in combination, a front conductive contact plate having through it a field of holes which form

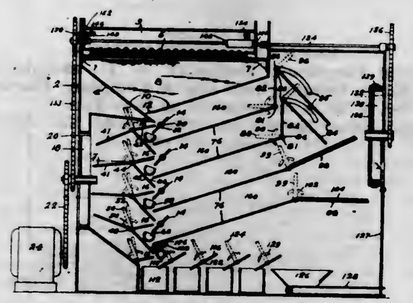
sockets for a display field of electric light bulbs having central contacts, a rear conductive contact plate in rearwardly spaced parallel relation with said front contact plate, said plates being adapted to be connected respectively to opposite sides of a source of electric energy, removable and replaceable selective circuit controlling means interposed between said contact plates and adapted to form electrical connection between said rear contact plate and the central contacts of selected bulbs in the socket holes of said front contact plate, a front frame part carrying said front conductive contact plate, a rear frame part carrying said rear conductive contact plate, a hinge connection between said frame parts, and clamping means adapted to draw said hinged frame parts and contact plates together upon said interposed selective circuit controlling means.

2,041,590
FUSE
George R. Brown, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application June 9, 1934, Serial No. 729,852
2 Claims. (Cl. 200—135)



1. In a fuse, a fuse link of cylindrical shape with longitudinal slots located at the center of the fuse and integral projections from each end which are turned back into intimate contact with the adjacent portions of the fuse to form surfaces of increased heat storage capacity.

2,041,591
SEPARATOR
Harold Brown, Kansas City, Kans., and Albert R. Grigsby, Kansas City, Mo., assignors to Brown-Grigsby Gold Mining Company, Kansas City, Kans.
Application April 12, 1933, Serial No. 665,746
4 Claims. (Cl. 209—35)



1. In a separator, a series of short inclined planes, a series of relatively long inclined planes descending towards the lower ends of said short inclined planes but spaced therefrom to leave openings for the passage of materials, means for directing an air blast against the materials to cooperate with the inclined planes and the force of gravity in separating the lighter from the heavier materials, a baffle at the upper portion of one of the longer inclined planes, a plate adjustably connected to the upper portion of said baffle, and means for adjusting said baffle.

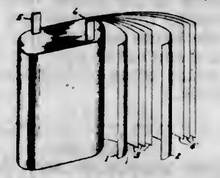
2,041,592
PROCESS OF HYDROLYZING CHLOR PHENOLS
Samuel G. Burroughs, Pittsburgh, Pa., assignor to Pennsylvania Coal Products Company, a corporation of Pennsylvania
No Drawing. Application October 11, 1934, Serial No. 747,925
16 Claims. (Cl. 260—154)

1. The process of treating chlor phenols of the group consisting of ortho chlor phenol, para chlor phenol and mixtures of the same to form dihydroxy benzenes, which consists in hydrolyzing the chlor phenol in the presence of a hydrolyzing medium resulting from mixing a hydrolytic catalyst with 2 to 5 molecular equivalents of 5 to 35 per cent aqueous solution of alkali metal compound to which has been added 1 to 2 molecular equivalents of alkaline earth metal compound, said alkali metal and alkaline earth metal compounds lying in the group consisting of the hydroxides, oxides and salts.

2,041,593
PROCESS OF HYDROLYZING CHLOR ALKYL PHENOLS
Samuel G. Burroughs, Pittsburgh, Pa., assignor to Pennsylvania Coal Products Company, a corporation of Pennsylvania
No Drawing. Application October 11, 1934, Serial No. 747,926
14 Claims. (Cl. 260—154)

1. The process of preparing alkyl derivatives of the dihydroxy benzenes which consists in hydrolyzing the corresponding mono chlor alkyl phenols at a temperature between 100 and 250° C. in the presence of a hydrolytic catalyst with 2 to 5 molecular equivalents of a 5 to 35 per cent aqueous alkali metal compound solution to which has been added 1 to 2 molecular equivalents of an alkaline earth metal compound, said compounds lying in the group consisting of the oxides, hydroxides and salts.

2,041,594
ELECTRICAL CAPACITOR
Frank M. Clark, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application August 6, 1931, Serial No. 555,570
15 Claims. (Cl. 175—41)

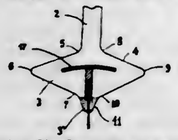


6. As a new article of manufacture, an electrical capacitor having a dielectric comprising a chlorinated diphenyl, the chlorine content of which is about 54 per cent.

7. As a new article of manufacture, an electrical condenser having a dielectric of chlorinated diphenyl oxide.

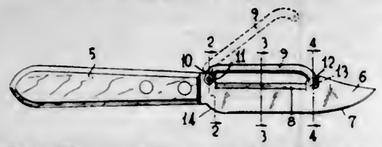
8. As a new article of manufacture, an electrical condenser having a dielectric of chlorinated diphenyl benzene.

2,041,595
ELECTRIC GASEOUS DISCHARGE APPARATUS
André Claude, Nanterre, France
Application October 22, 1931, Serial No. 570,450
In France November 5, 1930
4 Claims. (Cl. 176—42)



1. An electric discharge apparatus for operation under arcing conditions comprising an envelope containing at least one rare gas and divided into communicating cathode and discharge chambers, a cathode in the cathode chamber formed of metal volatile at the temperatures to which the cathode is heated by electrical energy passing therethrough in the operation of the apparatus, the portion of the cathode chamber between the discharge chamber and the cathode constituting a condensing chamber and being constructed of a size sufficiently large relative to the cathode so that the walls thereof will be at a temperature lower than the boiling point and higher than the melting point of the cathode metal, means for maintaining a zone intermediate the discharge and cathode chambers at a temperture higher than that of the discharge chamber, and an obstacle between the cathode and the discharge chamber capable of preventing any particles of metal projected in a straight line from any point of the cathode from penetrating into the discharge chamber.

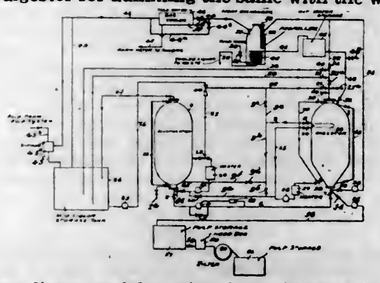
2,041,596
KNIFE
Lawrence W. Cralley, East St. Louis, Ill.
Application June 27, 1935, Serial No. 28,729
3 Claims. (Cl. 30—9)



1. A knife comprising a handle, a blade projecting from the handle and provided at one side with a cutting edge and at its opposite side with a paring edge portion, a guard having one of its ends pivotally connected to the blade at the inner end portion of the paring edge, and latching means formed by the opposite end portion of the guard and the blade for detachably latching the last mentioned end of the guard to the blade, each end of the guard being of fork shape and straddling the blade.

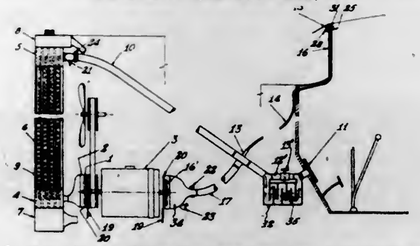
2,041,597
DIGESTING PROCESS AND APPARATUS
Thomas L. Dunbar, Watertown, N. Y., assignor to Chemipulp Process Inc., Watertown, N. Y., a corporation of New York
Application September 1, 1933, Serial No. 687,861
32 Claims. (Cl. 92—11)

1. In the digestion of fibrous material, pumping acid liquor during the cooking operation continuously and directly from the upper portion to the bottom portion of the digester, and utilizing such pumping operation for simultaneously withdrawing gases directly from the upper portion of the digester for admixing the same with the with-



drawn liquor and for returning said gases in admixture with the liquor back into the bottom portion of the digester.

2,041,598
AIR CONDITIONING SYSTEM FOR MOTOR VEHICLES
Sandro C. Farnese, Cambridge, Mass.
Application January 31, 1935, Serial No. 4,353
4 Claims. (Cl. 257—125)



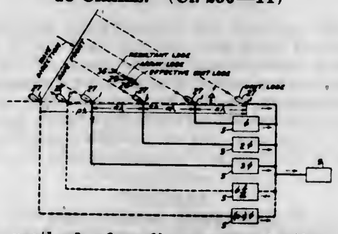
1. An air conditioning system for a motor vehicle body and comprising air draft creating means, means arranged in the water tubes of the radiator of the vehicle to receive some of the air from the air draft creating means to heat the same, an outlet ventilator in the body, means for conveying all the air to the ventilator, and means to control the flow of either heated or unheated air to the ventilator.

2,041,599
VEHICLE CONSTRUCTION
David Fergusson, Rochester, N. Y., assignor to James Cunningham Son & Company, Rochester, N. Y., a corporation of New York
Application March 18, 1933, Serial No. 661,557
4 Claims. (Cl. 305—9)



1. A vehicle comprising a frame, a rotary member mounted on said frame, an arm pivotally connected to said frame for oscillation upwardly and downwardly, a second rotary member mounted on said arm so that said second rotary member may move bodily upwardly and downwardly with respect to said frame, endless track means running around and between said rotary members, a lever pivotally mounted on said arm, a roller mounted on said lever for supporting the upper reach of said endless track means at a point intermediate said rotary means, and a connection between said lever and said frame for moving said lever and consequently shifting the position of said roller in accordance with movements of said arm.

2,041,600
RADIO SYSTEM
Harald T. Friis, Rumson, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York.
Application April 5, 1934, Serial No. 719,106
18 Claims. (Cl. 250—11)



1. A method of radio communication which comprises energizing a plurality of paths of different lengths in the transmission medium between two stations and receiving at any given instant wave energy propagated along only one of said energized paths through said medium regardless of the proximity of the incoming energized paths.

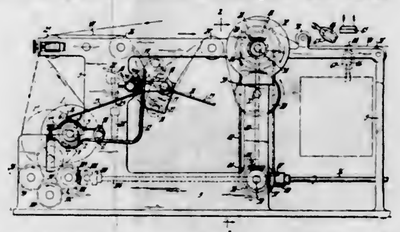
2,041,601
JEWEL BEARING
James H. Goss, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application July 25, 1934, Serial No. 736,871
14 Claims. (Cl. 308—159)



1. A watt-hour meter jewel screw comprising in combination a machine screw having a coaxial threaded hole in the end thereof, an externally threaded sleeve screwed into said threaded hole and internally counterbored from the end entering said threaded hole, a jewel-bearing unit in the counterbore in said sleeve, and a body of substantially inelastic deformable material in the bottom of the threaded hole in said machine screw holding said jewel-bearing unit tightly in said counterbore when said sleeve is screwed into said threaded hole against said deformable body.

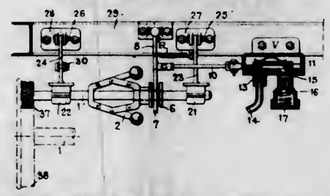
2,041,602
WEB CONTROLLER
Thomas Hamilton Grozier, Sydney, New South Wales, Australia
Application March 10, 1933, Serial No. 660,328
In Australia March 24, 1932
15 Claims. (Cl. 271—2.6)

1. In an apparatus for controlling the feeding of a rolled web as an inset in a main web printed on another machine, including web feeding means designed to be synchronized with the operation of the machine handling the main web, electrically controlled means governed by the movement of the inset web relative to the main web for controlling the rate of feeding of the inset web



by the feeding means, a support for a roll constituting a source of supply of the inset web, and automatically compensating web tensioning means intermediate the roll and feeding means for controlling the supply from the roll in accordance with the controlled condition of the feeding means.

2,041,603
AUTOMATIC BRAKE FOR RAILWAY TRAINS
Paul Hallot, Paris, France
Application July 10, 1929, Serial No. 377,290
In France July 11, 1928
5 Claims. (Cl. 188—181)

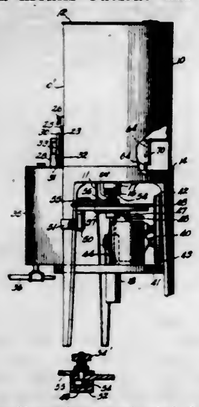


1. In a continuous brake system for railway trains, the combination of an escape valve in communication with a brake cylinder and loaded so as to maintain a predetermined minimum pressure therein, brake gear and brakes operated by said brake cylinder, a valve for opening and closing said communication, an inertia regulator adapted to operate said valve to open said communication on attaining a predetermined minimum speed, friction driving means from a wheel of the vehicle to said regulator operable to drive the regulator in the same direction irrespective of the direction of rotation of the wheel, and connective means between the brake gear and said driving means whereby the regulator is driven only when the brakes are applied to the vehicle wheel.

2,041,604
MATERIAL FEEDING AND MEASURING APPARATUS
Elmer E. Harper, Kansas City, Mo.
Application January 3, 1933, Serial No. 649,808
1 Claim. (Cl. 210—29)

Apparatus for measuring and feeding dry materials, comprising a container, a rotary channeled disk mounted within the container with a section of the channeled portion of said disk projecting outside the container, one or more vertical pins carried by the upper face of said disk, one or more fingers mounted in fixed relation within the container in position for cooperat-

ing with said pins for stirring and agitating the material, and means outside the container for



automatically diverting material from the channeled portion of the disk.

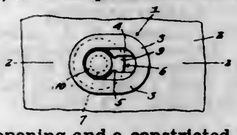
2,041,605
MAGAZINE BRUSH
Samuel Heilweil, New York, N. Y., assignor of one-third to Irving Wasserberg and one-third to Samuel Welinsky, both of New York, N. Y.
Application November 7, 1933, Serial No. 696,927
1 Claim. (Cl. 15—137)



In a reservoir brush, a barrel, a brush held by the barrel and having a passageway discharging from the barrel into the brush, a head on the barrel, a shaft revolubly passing through the head into the barrel, a spring normally tending to shift the shaft axially of the head toward said passageway, a knob engaged by the shaft and compressibly drawn toward the head by means of said spring, a plurality of lugs interposed between the head and the knob, whereby rotation of the knob over the head will alternately cause the lugs on one member to drop into and be withdrawn from notches on the other member under the influence of said spring to cause a corresponding axial movement of said shaft, a piston screw-threadedly engaging said shaft, and said shaft having an end formed to open and close said passageway upon axial movement of the shaft.

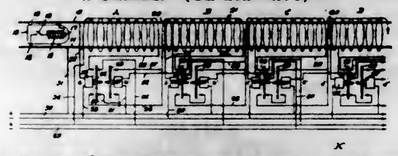
2,041,606
SEPARABLE FASTENER
William Hofmann, New York, N. Y.
Continuation of application Serial No. 7,292, February 19, 1935. This application November 12, 1935, Serial No. 49,422
1 Claim. (Cl. 24—2.24)

The herein described new article of manufacture comprising an apertured tape, and a separable fastener member, of female type, made up essentially of an elongated eyelet extending in the direction of the thickness of the tape and through the aperture thereof, and also extending longitudinally in the direction of the length of the tape; said fastener member being also provided with an inwardly directed rib or shoulder portion, of U-shape in cross section, forming



a circular opening and a constricted seat extending radially from said opening, said rib or shoulder lying substantially in the plane of the tape, a flange merged into the said rib or shoulder portion and clamping the tape at one side thereof, and a flange extending from the end of the eyelet remote from said rib or shoulder portion, and clamping the tape at the opposite side thereof.

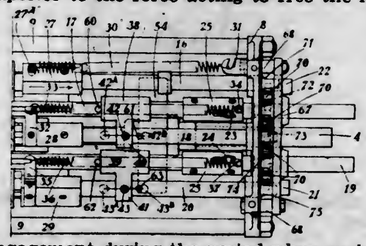
2,041,607
ELECTRIC RAILWAY
Wiley O. Hopkins, Primghar, Iowa
Application September 28, 1932, Serial No. 635,288
2 Claims. (Cl. 172—290)



1. An electric railway comprising a track composed of spaced rails, a car spanning and traversing said rails, an energizing coil continuous throughout the length of and in surrounding relation to the track and in axial coincidence with the car, the track being divided into electrically isolated blocks, energizing means for the coil, circuit control elements interposed between the energizing means and the coil and dividing the latter into zones, supplemental circuit control elements electrically connected with said blocks, an electromagnetic propulsion coil carried by said car and placed in circuit with the supplemental circuit control elements as the car advances from one block to another, said supplemental circuit control elements controlling the first said circuit control elements to maintain the center of attraction in said coil immediately in advance of said car.

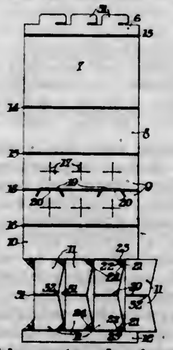
2,041,608
MECHANISM FOR SELECTING AND OPERATING ANY DESIRED ONE OF A PLURALITY OF RODS OR THE LIKE
Charles Humphrey Humphreys, Carlton, Bedford, England
Application April 7, 1934, Serial No. 719,567
In Great Britain April 12, 1933
15 Claims. (Cl. 74—334)

1. In mechanism for selectively operating one of a number of normally locked slidable members, the combination of a number of slidable members, locking means for a slidable member comprising a movable locking element and a locking surface on the slidable member engageable therewith, movable means that positively restrain said locking element from movement from such surface in one position of such movable means and in another position to free it from such restraint, means tending to move the locking element after such restraint is removed, means acting when such restraint is moved to exert pressure between member surface and locking element to maintain locking engagement thereof, such pressure being superior to the force acting to free the lock-



ing engagement during the period when such restraint is removed, and operator-operated means to release such pressure and leave the slidable member free to slide.

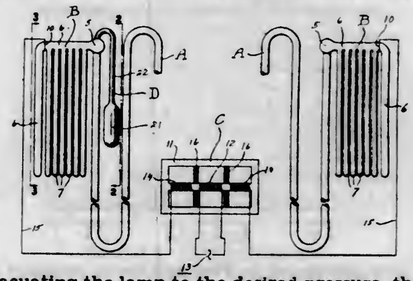
2,041,609
CARTON
Harry A. Inman, Newark, N. Y.
Application January 9, 1932, Serial No. 585,756
8 Claims. (Cl. 229—29)



7. A collapsible carton having top, side sections, transverse partitions, and a bottom section blanked from a single sheet of material, said blank being foldable on parallel lines to form a body portion with the bottom section medially foldable, said transverse partitions each having a V-shaped edge foldable into a position adjacent said bottom section and each having connections with said side sections, a separate longitudinal partition interlocked with said transverse partitions, hooks provided on the longitudinal partition to engage slots in said bottom section for holding the bottom section elevated at its medial fold to provide a V-shaped cushioned bottom for the carton, and medial lines of scoring on said transverse partitions extending toward the said bottom section and fold lines on said connections whereby the carton may be folded into flat position, while said longitudinal partition is interlocked with said transverse partition.

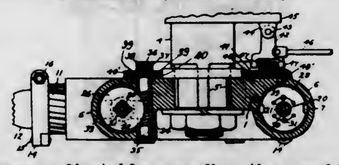
2,041,610
IONIC DISCHARGE TUBE
Thomas J. Killian, Seattle, Wash., assignor to Luminous Tube Lighting Corporation, Seattle, Wash., a corporation
Application May 8, 1933, Serial No. 670,008
2 Claims. (Cl. 176—125)

1. The process of producing a gaseous discharge lamp which comprises pumping out the lamp, placing an activator that has been conditioned with adsorbed gas in communication with the interior of the lamp, gently heating the activator, filling the lamp to atmospheric pressure with carbon dioxide and after several hours



evacuating the lamp to the desired pressure, then applying an operating current to the lamp, and maintaining communication between the interior of said lamp and said activator during normal operation of said lamp.

2,041,611
ADJUSTABLE PROPELLER
Serge G. Kotelevtseff, New York, N. Y.
Application May 15, 1935, Serial No. 21,536
4 Claims. (Cl. 170—163)

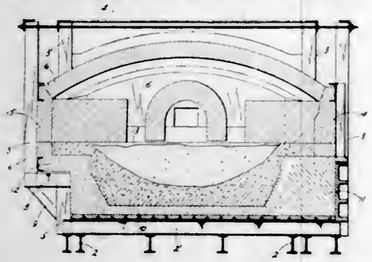


1. In an adjustable propeller, the combination of a hub provided with a central aperture for mounting on a power shaft, sockets formed tangentially on said hub, the outer portions of said sockets being spirally splined inside, propeller blades, the shanks of said blades being spirally splined and slidably fitted in the splined portions of the sockets, partitions in said sockets, shafts journaled in said partitions, the outer ends of said shafts being threaded and engaging the correspondingly threaded holes in the end portions of said shanks, worm gears mounted on the inner ends of said shafts, worms in mesh with said gears, means to prevent the axial movement of said threaded shafts, and means to selectively rotate said worms in either direction thereby turning said gears and said screws thereby changing the diameter and pitch of said propeller.

2,041,612
METALLURGICAL FURNACE
Roy L. Leventry, Youngstown, Ohio, assignor to The Republic Steel Corporation, Youngstown, Ohio, a corporation of New Jersey
Application June 3, 1933, Serial No. 674,250
4 Claims. (Cl. 266—43)

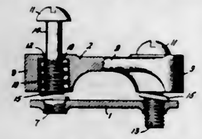
1. An open-hearth steel furnace, the lining whereof is subjected at high temperatures to the effects of a basic slag, said furnace comprising a bottom adapted to support a molten metallic bath, a hearth lining for said bottom composed of refractory material capable of withstanding the action of a basic slag, said lining covering the bottom of said furnace and extending up the walls thereof to a point above the line where the slag on the bath contacts with said lining, and a lining for portions of the walls of

said furnace arranged to form contact surfaces for the hot gases passing through the furnace, said last mentioned lining being composed of olivine containing approximately from 4 to 15%



of iron calculated as FeO and being resistant to the hot gases passing at high velocity through the furnace and over the slag of the bath and laden with foreign material picked up in the furnace.

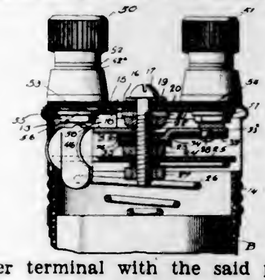
2,041,613
TERMINAL CLAMP
George F. Lincks, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York
Application June 2, 1932, Serial No. 614,937
5 Claims. (Cl. 173—263)



2. A clamp comprising a clamping member having a threaded opening therein, a second clamping member having an unthreaded opening at one end, a screw housed in said unthreaded opening comprising a head, an unthreaded shank adjacent the head, and a threaded end portion of greater diameter than the shank and of lesser diameter than the unthreaded opening, a shoulder spaced from one end of the unthreaded opening against which the threaded portion of said screw strikes to prevent the screw from coming out of the opening, said threaded portion being of a length such that it may be brought within said unthreaded opening before the threads strike said shoulder, a spring in said unthreaded opening for separating the clamping members when the screw is partially loosened, and another means at the opposite end of the second clamping member for effecting clamping action between the clamping members.

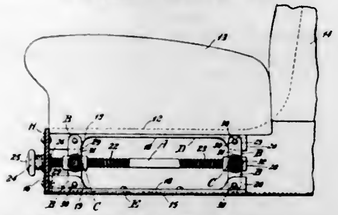
2,041,614
ELECTRICAL TESTING DEVICE
Charles M. Lindsay, Washington, D. C.
Application July 30, 1932, Serial No. 626,763
18 Claims. (Cl. 175—183)

1. A combined flash light and electrical testing device comprising a casing, a lamp and a battery contained therein, terminals associated with the casing and adapted to be connected to an external circuit under test, one terminal being grounded to the casing, and a two-pole multiple-throw switch assembly contained in the casing and electrically connected to one pole of the battery, the switch assembly in one position being operative to short-circuit the terminals, and in another position to electrically connect



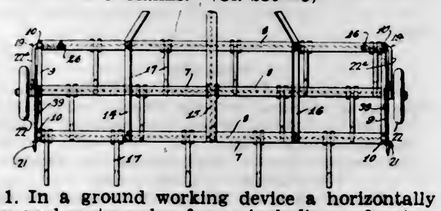
the other terminal with the said pole of the battery.

2,041,615
ADJUSTABLE SEAT
John M. Maslowski, Chazy, N. Y.
Application October 22, 1934, Serial No. 749,331
1 Claim. (Cl. 155—91)



In an adjustable seat, the combination with a base member; of seat supporting means above said base member; front and rear sets of toggle links at each side of the base, each set comprising a barlike upper link pivoted to said supporting means, and a barlike lower link pivoted to said base member, the bars of each set of links having aligned, laterally projecting sleeve-like bearing members at their inner ends, adapted to receive pivot means for swingingly connecting said links; a transverse front pivot shaft extending through the bearing openings of the sleeves of said front sets for pivotally connecting the links of each set to each other, and connecting said sets for simultaneous operation; a transverse rear pivot shaft extending through the bearing openings of the sleeves of said rear sets of links for pivotally connecting the links of each set to each other, and for connecting said rear sets for simultaneous operation; and screw means for displacing said shafts with respect to each other to operate all of said sets of links simultaneously.

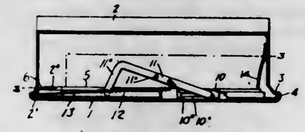
2,041,616
MOBILE GROUND WORKING DEVICE
Isome H. Noell and Fred W. Hoeme, Hooker, Okla.
Application September 3, 1935, Serial No. 39,052
3 Claims. (Cl. 280—6)



1. In a ground working device a horizontally disposed rectangular frame including a front, a

rear and a pair of sides, said front being in the form of an I-beam provided with top and bottom flanges and a vertical web connecting the flanges, said frame having each of its sides formed with an opening in proximity to the inner face of said web, tubular bearings extending through said openings, a pair of wheels, a pair of oppositely disposed adjustable depending independent hangers, each of said hangers including an inwardly extending upper part, an outwardly extending lower part carrying one of said wheels and an intermediate part connecting said upper part to said lower part, said upper parts journaled in and extending through said bearings, means extending through said web for connecting said upper parts to the web, a pair of upstanding racks secured to the sides of said frame, a pair of elevating and lowering levers, each of said levers having a pawl and lever mechanism associated with a rack, said levers being pivotally connected at their lower ends with the sides of said frame, and a pair of upstanding links pivotally connected at their upper ends to said levers and pivotally connected at their lower ends to the said intermediate parts.

2,041,617
COVER STRUT
Henry Walter Robinson, Toronto, Ontario, Canada, assignor to Dominion Manufacturers Limited, Toronto, Ontario, Canada, a company of Canada
Application September 6, 1935, Serial No. 39,407
2 Claims. (Cl. 217—60)



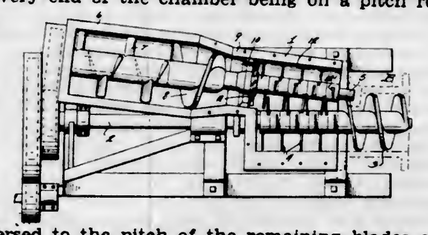
1. A strut support between a base member and a bell comprising a lever pivoted to the bell and forwardly inclined at its upper end and counterweighted, a notched portion carried by the base, and spring means for pulling the lower end of the lever into engagement with the notch as the bell is raised, and releasable means for holding the spring means in tension.

2,041,618
CALCIUM-BASE LITHOPONE
Harold F. Saunders, Coffeyville, Kans., assignor to The Sherwin-Williams Company, Cleveland, Ohio, a corporation of Ohio
No Drawing. Application November 23, 1933, Serial No. 699,429
1 Claim. (Cl. 134—78)

A compound pigment composed of an intimate mixture of calcined zinc sulphide pigment with calcium sulphate pigment which prior to admixture has been calcined at a temperature of from 650° C. to 850° C.

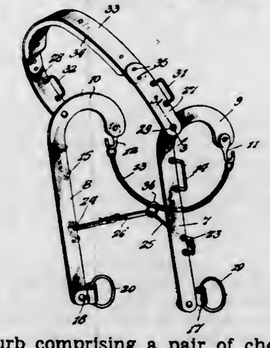
2,041,619
CLAY WORKING MACHINE
Clarence M. Steele, Statesville, N. C.
Application April 20, 1935, Serial No. 17,501
8 Claims. (Cl. 25—14)

1. A machine of the class described comprising a chamber, an extrusion shaft working therein, an infeed shaft also working in the chamber, and interworking cutting and feeding blades carried by said shafts at spaced points therealong, the blades on the infeed shaft at the delivery end of the chamber being on a pitch re-



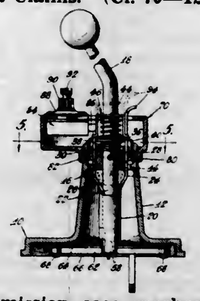
versed to the pitch of the remaining blades on said shaft to prevent packing.

2,041,620
BRIDLE ATTACHMENT
Wayne B. Stephens, Hollywood, Calif.
Application May 1, 1933, Serial No. 668,842
2 Claims. (Cl. 54—6)



2. A curb comprising a pair of cheek bars, a chin strap extending loosely between intermediate portions of the cheek bars, a jaw chain extending loosely between the upper end portions of the cheek bars, means connecting the jaw chain, at an intermediate point, to the chin strap, arms pivotally mounted on the cheek bars in spaced relation below the upper ends thereof, and a nose band extending between the free end portions of the arms.

2,041,621
TRANSMISSION LOCK
Albert A. Sundin, Chicago, Ill.
Application October 2, 1934, Serial No. 746,558
2 Claims. (Cl. 70—128)



1. A transmission case mechanism having a pair of recessed bars shiftable mounted thereon, said transmission case mechanism including a tubular standard having a bearing in the nature of a flange, a gear shift lever having a portion

arranged within the tubular standard, a swivel ball fastened to the gear shift lever and arranged in operative relation with said bearing, said gear shift lever having an end arranged in selective relation with the recesses in said gear shift bars, said bearing and said swivel ball being provided with aligned recesses, a tubular latch member slidably mounted upon the exterior of that portion of the gear shift lever positioned within the tubular standard, said latch member having reaches housed within said aligned recesses, a washer loosely mounted on the gear shift lever, a spring positioned in abutting relation with the washer and said swivel ball, means connecting the washer with the tubular standard for placing said spring under compression, a second spring mounted on said washer and about the gear shift lever, a bracket slidably mounted on said gear shift lever and upon said second spring, said bracket having lugs arranged to be positioned within recesses in said reaches, to connect the reaches the second spring and the bracket into an operative assembly, the assembly being shiftable against the tension of the second spring for positioning the tubular latch member within said recesses, to render the gear shift lever inoperative with respect to the gear shift bars, a housing mounted on said tubular standard, a lock enclosed within the housing and operable from a position exteriorly of the housing, said lock including a movable bolt arranged to be positioned in abutting relation with one of said reaches with the second spring under increased compression for holding the tubular latch member in the position rendering the gear shift lever inoperative.

2,041,622
GUARD FOR DIP TANKS
Migiel J. Uline, Washington, D. C.
Application April 28, 1934, Serial No. 722,972
13 Claims. (Cl. 62—113)



1. In a device of the kind described, a tank, guide members disposed in the wall of said tank, a frame carrying rollers slidably mounted against said guide members, cables connected to said frame, and weights connected to said cables for normally holding said frame in raised position.

2,041,623
AIRCRAFT
Inglis M. Uppercu, Rumson, N. J., assignor, by mesne assignments, to Burnelli Aircraft, Ltd., Keyport, N. J., a corporation of Delaware
Application March 29, 1934, Serial No. 718,065
3 Claims. (Cl. 244—2)



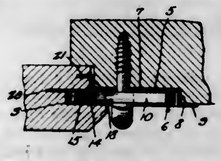
1. An airplane having a wide fuselage with a relatively flat bottom, said fuselage being capable of floating in water, a relatively narrow web structure extending downwardly from said fuselage and an emergency crash keel carried at the lower edge of the web structure, said keel member being wider than the adjacent portion of the web structure.

2,041,624
APPAREL FASTENER
Samuel Samuel, Worcester, Mass.
Application August 24, 1935, Serial No. 37,740
1 Claim. (Cl. 24—222)



A separable fastener comprising a female plate, a male plate having a T-head, said female plate and male plate being provided with openings through which securing means can be disposed for securing the same to a body, said female plate being provided with a slot extending inwardly from one end, an opening in the female plate with which the slot merges, said female plate being provided with a recess on its body attaching side, said recess being circular and substantially larger than the opening in the same plate and being concentric therewith for receiving the T-head of the male plate when the T-head is engaged with the female plate.

2,041,625
KEEPER PROTECTIVE PLATE
Louis J. Schmidt, Fond du Lac, Wis.
Application June 4, 1935, Serial No. 24,955
2 Claims. (Cl. 292—340)



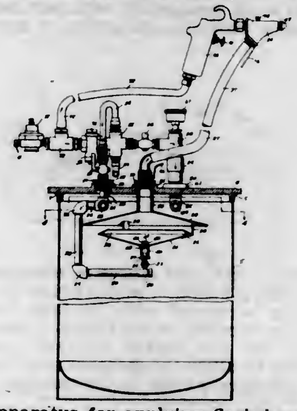
1. A protector plate for the walls of a mortice in a wooden abutment that provides a keeper opening for a latching device on a member which is swingable against the face of the abutment, said protector plate comprising a substantially L-shaped member, and securing prongs integrally formed with said member and having pointed free ends, the prongs being in parallel relation to each other and disposed in the same direction with respect to one another.

2,041,626
SEAM FOR GARMENTS
Max C. Schrank, Bridgeton, N. J.
Application June 14, 1934, Serial No. 730,671
1 Claim. (Cl. 2—275)



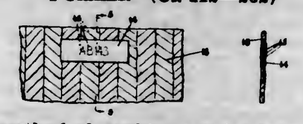
A garment made of pieces joined together by a seam formed by overlapping raw edges of the two pieces, one of such pieces having its edge doubled over upon itself, such piece being cut on the straight and the other piece cut on the bias and the overlapped portions being joined by stitching that passes through all of them, the piece which is on the bias remaining unfolded at the seam.

2,041,627
APPARATUS FOR APPLYING FLOCK
Wayne B. Thompson, Winchester, Mass.
Application June 8, 1933, Serial No. 674,888
8 Claims. (Cl. 91—8)



5. An apparatus for applying flock having, in combination, a nozzle, a tank for the flock, an outlet from the tank in communication with the nozzle, a canopy, in the tank, suspended from the outlet, and a trap supported by the canopy in position to catch flock dropping therefrom.

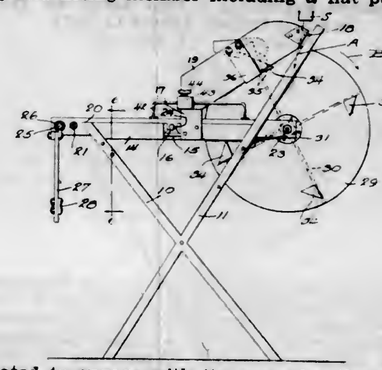
2,041,628
METHOD OF MARKING ARTICLES OF CLOTHING AND THE LIKE FOR LAUNDRY AND SIMILAR PURPOSES
Frederick George Tillett, Eastbourne, England
Application January 5, 1934, Serial No. 705,472
In Great Britain July 13, 1933
4 Claims. (Cl. 112—262)



1. A method of marking articles formed of textile material, such as clothing and the like, for laundry and similar purposes, especially the marking of thick articles of a loose or open texture such as knitted woollen goods or of articles of a thin and delicate character which comprises the step of stitching identifying characters formed by such stitching through both the article and a tab applied against the article, together so that the characters so formed appear against the outer face of the tab as a background and serve as the securing means for attaching the tab to the article and constitute the identifying mark for the article.

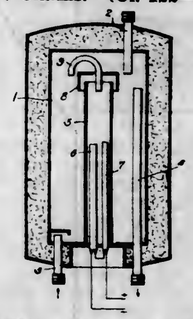
2,041,629
AUTOMATIC WEIGHING MACHINE
Edward L. Wicks, New Orleans, La.
Application October 24, 1934, Serial No. 749,805
3 Claims. (Cl. 249—19)

1. In an automatic weigher, a rotatable drum mounted for rising and falling movement, said drum including a pair of spaced heads and partitions extending between said heads, means constantly urging the drum to raised position, a series of wedge-like members carried by one of said heads and equal in number to the number of partitions, said wedge-like members being positioned to provide upper and lower working surfaces, said wedge-like members being fixed to the drum with their edge portions forward and their outer faces extending forwardly and inwardly of the drum from their rear base portions, a fixed drum checking and lifting member in the path of said wedge-like members and engageable by the lower working surfaces of the wedge-like members, as the drum is rotated under load influence, said checking and lifting member including a flat portion



located to engage with its rear edge the under sides of the wedge-like members adjacent their edges, and a stop member fixedly positioned to engage the upper working surfaces of the wedge-like members as the latter pass out of engagement with the drum checking and lifting member, said stop member having a forwardly and downwardly inclined under surface corresponding in inclination to the upper surfaces of the wedge-like members whereby the wedge-like members are forced downwardly upon revolution of the drum.

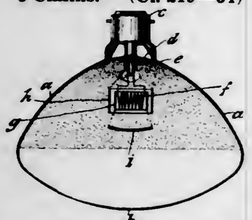
2,041,630
APPARATUS FOR HEATING LIQUIDS
Alan Leslie Wright, Kingston-on-Thames, England
Application October 23, 1934, Serial No. 749,664
In Great Britain November 15, 1933
7 Claims. (Cl. 122—33)



1. Water heating apparatus having a tank and an inner vessel open at the top and closed at the bottom containing the heating means comprising a cap or cowl spaced from the inner vessel and disposed above the open top thereof and provided with sides which extend downwardly below the level of the upper edge of the wall of the inner vessel, means for introducing water to the tank outside the inner vessel and means providing an open connection between the space within the inner vessel and the tank space, said connecting means having its outer mouth opening to the tank space at a level above the level of the upper edge

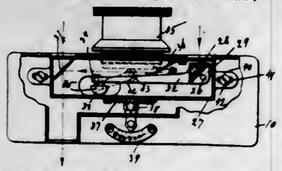
of the wall of the inner vessel and its inner mouth opening to the inner vessel at a level below the level of the said upper edge.

2,041,631
ELECTRICAL HEATING APPARATUS
Leslie Claude Henry Athill, Golders Green, London, England
Application September 3, 1935, Serial No. 39,017
In Great Britain August 14, 1934
3 Claims. (Cl. 219—34)



2. An electrical heating unit for the directional transmission of radiant heat comprising, in combination, an evacuated casing one side of which forms a parabolic reflector, a relatively large open ended tubular iron body surrounding the focal point of the reflector for emitting radiant heat of low temperature onto the reflector for directional transmission into the atmosphere and a resistance disposed within said tubular radiant heat emitting body so that when said resistance is heated electrically it effects the heating of said heat emitting body.

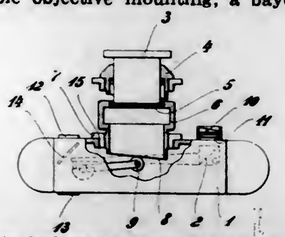
2,041,632
CINEMATOGRAPHIC AND PHOTOGRAPHIC CAMERA
Oskar Barnack, Wetzlar, Germany, assignor to Ernst Leitz Optische Werke, Wetzlar, Germany
Application January 6, 1932, Serial No. 584,969
In Germany January 7, 1931
2 Claims. (Cl. 95—44)



1. In a photographic camera including its objective frame, having a displaceable range finder, with two mirrors, one fixed and the other movable, a lever controlling the movable mirror, a spindle connected to the objective frame, a rack bar carrying the range finder, a cam disc for supporting said lever at various points during the displacement of said range finder, a spring for pressing the lever down, a scale and its hand, a gear on said hand in mesh with said rack, the change in the leverage controlling the indications of said hand to indicate on one scale the focal distances of the various objectives used.
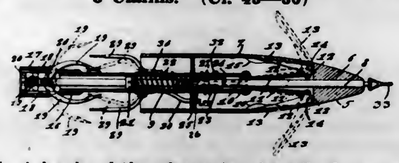
2,041,633
PHOTOGRAPHIC CAMERA
Oskar Barnack, Wetzlar, Germany, assignor to Ernst Leitz G. m. b. H., Wetzlar, Germany
Application February 4, 1935, Serial No. 4,811
In Germany February 5, 1934
1 Claim. (Cl. 95—44)

In a camera including its distance meter having a plurality of windows, a lever for said distance meter and objective mounting, an intermediary threaded mounting, a threaded ring securing said intermediary mounting to the camera, a cam face on said intermediary mounting, a roller on the lever of the distance meter adapted to be engaged by said cam face, an exchangeable objective mounting, a bayonet lock



adapted to lock said objective mounting to said intermediary member, and a prism in a suitable mounting arranged with its base in front of one of the windows of the distance meter to compensate for the length of said intermediary mounting to allow the measuring of the distance of an object very close to the camera.

2,041,634
TRAP HOOK
Emil Boyko, Saskatoon, Saskatchewan, Canada
Application April 29, 1935, Serial No. 18,920
3 Claims. (Cl. 43—36)

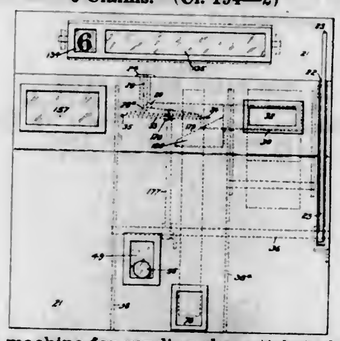


1. A hook of the character described comprising a head having a hollow portion, a rod centrally of said head, a barrel fitted upon said rod and movable relative thereto, catching prongs pivoted to the rod and extended through the barrel whereby on movement of the latter in one direction the prongs will be opened and on movement in the opposite direction said prongs closed, means for latching the barrel against movement when the prongs are in closed position, a plurality of triggers carried by the barrel and operating said means to release the barrel for the automatic opening of said prongs, and fins pivotally supported on the head and having connection with the barrel for the swinging of said fins on movement of the barrel.

2,041,635
STEEL FOR RAILROAD RAILS, WHEEL TIRES, PLANKPILES AND OTHER OBJECTS WHICH ARE SUBJECTED TO HEAVY WEAR
Herbert Buchholtz, Dortmund, Germany, assignor to firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany
No Drawing. Original application December 11, 1931, Serial No. 580,500. Divided and this application February 13, 1935, Serial No. 6,392.
In Germany December 12, 1930
2 Claims. (Cl. 75—125)
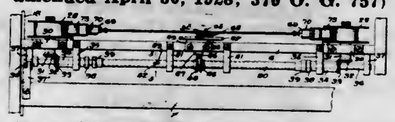
1. A steel for railroad rails, wheel tires, plankpiles and other objects which are subjected to heavy wear, said steel containing about 0.05 to 0.20% of carbon, about 0.08 to 0.25% of phosphorus, about 0.1 to 0.6% of silicon, about 0.6 to 1.6% of manganese, from an effective amount to about 1.5% of chromium and about 0.25 to 1% of copper and the balance substantially iron.

2,041,636
MACHINE FOR VENDING TICKETS
William John Doherty, Haberfield, and Edwin Forbes Gilford, Petersham, New South Wales, Australia
Application June 9, 1933, Serial No. 675,138
In Australia June 9, 1932
6 Claims. (Cl. 194—2)



1. A machine for vending share tickets for certificates comprising means for exhibiting a certificate for which the share tickets are being issued, means freed by an inserted coin for issuing a share ticket, and means for moving the exhibited certificate to a position of concealment and replacing it by another when a predetermined number of share tickets have been issued.

2,041,637
RIBBON SHIFT MECHANISM FOR TABULATING MACHINES
Robert Duncan, Washington, D. C., and Lester F. Wilkinson, Garrett Park, Md., assignors to Government of the United States, represented by the Secretary of Commerce
Original application November 12, 1935, Serial No. 49,370. Divided and this application March 25, 1936, Serial No. 70,718
4 Claims. (Cl. 197—161)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a ribbon shift mechanism, in combination, a pair of ribbon spools, a ribbon on said spools, a rotatable shaft, a rotatable member for each spool having constant operative engagement with the spools, a shiftable member on the shaft and rotating therewith and arranged to engage one spool rotating member at a time, a shift bar between the spools and formed with ends in contact with the ribbon on the spools, whereby as the ribbon is built up on one spool the shift bar will be gradually shifted, and means operated when the shift bar has passed a predetermined point to accelerate the movement thereof, and means operating at the time of such acceleration to shift the shiftable member to reverse a spool.

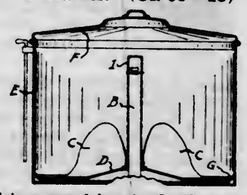
2,041,638
SPECTACLE FRAMES
Ernest E. Emons, Akron, Ohio, assignor to The Ful-Vue Sales Company, Washington, D. C.
Application June 14, 1929, Serial No. 370,885
3 Claims. (Cl. 88—47)

2. In a pair of spectacles, means for holding lenses, temples connected with the lens holding means by temple connections above the horizontal medians of the lenses outside the useful field of side vision, said temple connections downwardly inclined with respect to the plane of the lenses, nose guards connected with the lens holding means and to normally bear on the sides of the nose below the center line of vision and rearwardly offset with respect to the plane of the



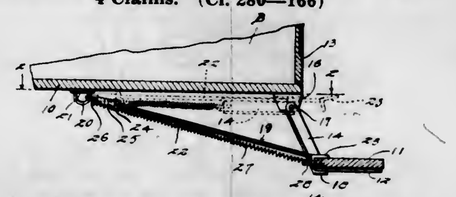
lenses, and a bridge member for spanning the nose positioned above the center line of vision whereby the relationship of the positions of the lenses, temples, bridge and nose guards coact to balance the spectacles and lock them in place in the position set on the wearer.

2,041,639
WASHING MACHINE MEANS FOR ELEVATING CLOTHES THEREIN
Anthony J. Georgilas, Detroit, Mich.
Application February 15, 1935, Serial No. 6,669
9 Claims. (Cl. 68—15)



1. A washing machine including a drum, a rotatable shaft extending upwardly in the drum, an agitator slidably mounted on the shaft and rotatable therewith having a base substantially coextensive with the cross-sectional area of the drum, means carried by the agitator for raising and lowering the same, and means for holding the agitator in any one of a series of vertically adjusted positions on said shaft.

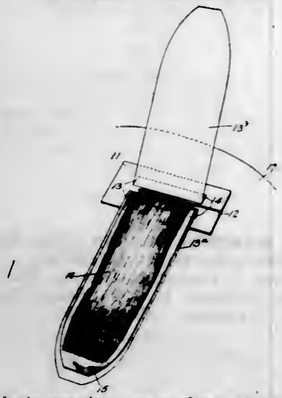
2,041,640
FOLDING STEP FOR VEHICLES
James H. Goss and Johnson D. Snyder, Lewistown, Pa.
Application December 5, 1935, Serial No. 53,067
4 Claims. (Cl. 280—166)



1. A folding step for a vehicle comprising a step member, a pair of links pivotally secured at one end to the step member adjacent the rear thereof, there being one link adjacent each end of the step member, means carried by the step member to limit the swinging movement of the step member relative to the links, means engaging the other ends of the links to pivotally secure the links to a support, a bracing member, means for swingably securing one end of the bracing member to the support, a step engaging means carried by the other end of the bracing member

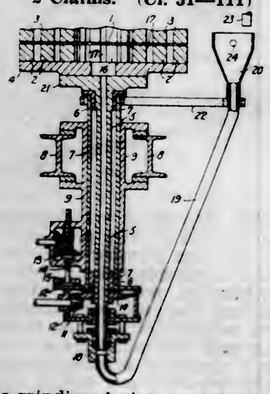
to detachably secure the bracing member to the step member and yieldable means constantly urging the step member to contacting relation with said means carried by the bracing member.

2,041,641
HAIR WAVING DEVICE
Santi Grasso, Philadelphia, Pa.
Application September 18, 1935, Serial No. 41,169
14 Claims. (Cl. 132—36)



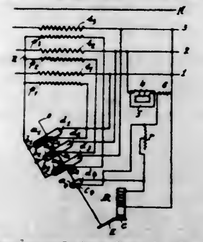
1. A hair waving or curling appliance, comprising a base member of fibrous sheet material engageable with a lock of hair next to the scalp for protecting the latter from burn or hot moisture, and a secondary member of another fibrous sheet material engageable upon the lock of hair for a wrapping therewithin downwardly toward the scalp; the secondary member being attached to the base member in a lateral relation thereto and the base member being slotted whereby both said base and said secondary member are appliable to the hair by movement in a sidewise direction.

2,041,642
GLASS GRINDING APPARATUS
James Harris Griffin, St. Helens, England, assignor to Pilkington Brothers Limited, Liverpool, England, a company of Great Britain
Application January 20, 1936, Serial No. 59,968
In Great Britain January 21, 1935
2 Claims. (Cl. 51—111)



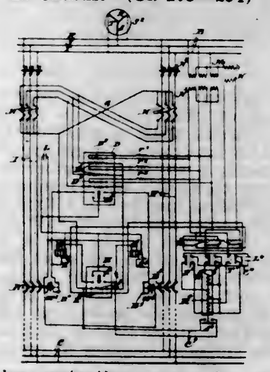
1. Glass grinding device comprising a grinding tool operating on the upper surface of the glass, a grinding tool operating on the lower surface of the glass, means for rotating the said lower tool and means for adjusting its height, an abrasive mixture container with constant level device, adapted to maintain the level of the abrasive mixture approximately at the level of the operative surface of the lower tool and a communication between the said container and a central space in the lower tool.

2,041,643
VOLTAGE REGULATOR
Albert Huet, Jamioulx, Belgium
Application April 11, 1935, Serial No. 15,870
In Belgium April 19, 1934
12 Claims. (Cl. 171—119)



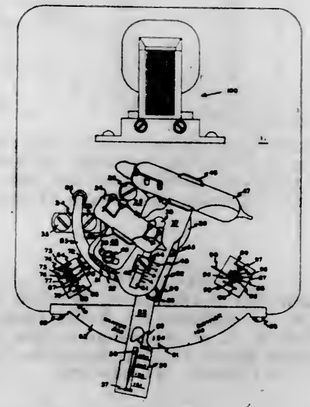
1. A voltage regulator for A. C. electrical lines, comprising a transformer having primary and secondary windings, said secondary winding being adapted to boost the line voltage, a switch for connecting said primary winding to said line, and means responsive to said line voltage for closing said switch at a given value of said line voltage, said transformer having its magnetic circuit then operating in the vicinity of the saturation limit.

2,041,644
SELECTIVE PROTECTION OF ELECTRIC DISTRIBUTING NETWORKS HAVING AN INSULATED NEUTRAL POINT
André Jonnart, Charleroi, Belgium
Application May 29, 1930, Serial No. 457,368
In Belgium June 14, 1929
15 Claims. (Cl. 175—294)



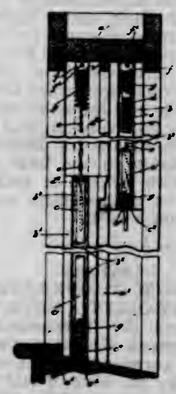
2. Selective protecting means for distribution networks with an insulated neutral point comprising a directional relay, an earth relay, wattmeter relays individually conected to the distribution phases and controlling the operations of the said directional and earth relays, and means for transmitting the control action of the wattmeter relays to the directional and earth relays.

2,041,645
THERMOSTATIC SWITCHING MECHANISM
John P. Kriechbaum, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Original application June 30, 1933, Serial No. 678,429. Divided and this application May 14, 1934, Serial No. 725,459
20 Claims. (Cl. 200—139)



1. In combination, an actuator, a switch carrier, an adjustable lost motion connection between said actuator and carrier, a first switch operated by said switch carrier and non-adjustable in respect thereto, a second switch, and an adjustable connection between said switch carrier and said second switch whereby the position of the actuator at which said second switch will be operated may be varied in respect to the position of the actuator at which the first switch will be operated.

2,041,646
WINDOW SASH BALANCE
Algot Larson, New York, N. Y., assignor to Unique Balance Company, New York, N. Y., a corporation of Illinois
Application March 17, 1934, Serial No. 716,062
3 Claims. (Cl. 16—197)

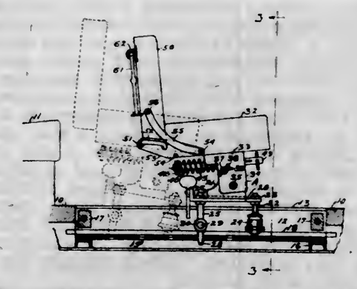


1. A sash balance for a window comprising a coiled torsion spring, a nut carried by the spring, a spiral member of rapidly increasing pitch toward the lower end adapted to be connected at one end to the window frame and cooperating with the nut to effect the storing of power in the torsion spring as the sash is lowered and the return of power to the sash to assist in the raising of the sash, and an extensible coiled spring of high initial tension and slow increase of tension as extended adapted to be connected at one end to the window frame and at the other end to the sash in which power is stored in the lowering of the sash and from which the stored power is returned to the sash to cooperate with the torsion spring, the torsion spring acting as an equalizer of the extensible coiled spring, and the two springs acting together as one element.

2,041,647
IMPREGNATING COMPOSITION FOR WOOD AND THE LIKE
Frank H. Lyons, Central, N. Mex., assignor to E. L. Bruce Company, Memphis, Tenn., a corporation of Delaware
No Drawing. Application March 20, 1934, Serial No. 716,552
3 Claims. (Cl. 134—78.6)

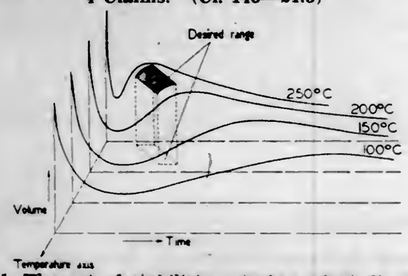
1. An impregnating composition comprising a substantially non-volatile organic aromatic toxicant, a volatile organic solvent in which the toxicant is readily soluble and a volatile organic carrier with which the toxicant solution is miscible but in which the toxicant is substantially insoluble, the initial boiling point of the organic carrier being lower than that of the solvent whereby the organic carrier will begin to evaporate before the solvent evaporates.

2,041,648
COMBINATION RECLINING MOVABLE AUTO SEAT AND BED
Robert H. Pepper, Miami, Fla., assignor of two-fifths to Ralph M. Costello, Miami, Fla.
Application January 15, 1934, Serial No. 706,624
6 Claims. (Cl. 155—14)



5. In combination with a trackway of tubular form and having openings in its bottom wall, a carriage, casters movable along the trackway to support said carriage and about which the carriage may be tilted, means normally engageable in the openings in the bottom wall of the trackway to hold the carriage against movement therealong and movable out of engagement with said openings when the carriage is tilted to permit of adjustment of the carriage, a seat mounted on said carriage, and manually releasable means on the carriage engageable with a trackway to prevent casual tilting of the carriage and consequent disturbance of the adjusted positioning of the carriage.

2,041,649
THERMALLY TREATING QUENCHED AND HARDENED STEELS
Haakon Styri, Philadelphia, Pa., assignor to S K F Industries, Inc., Philadelphia, Pa., a corporation of Delaware
Application August 24, 1934, Serial No. 741,189
4 Claims. (Cl. 148—21.5)



1. The art of stabilizing steels against dimensional changes which consists in applying tempering heat to a piece of steel hardened by quenching from above the critical range, and maintaining such tempering heat during a period covering the first contraction in volume of the steel and almost the entire period of its succeeding increase in volume, and then lowering the heat shortly before the steel reaches its maximum of increase in volume.

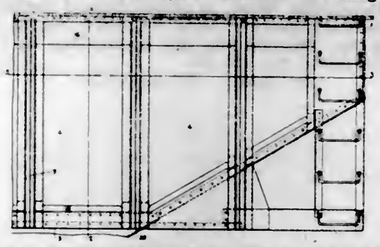
2,041,650
OPERATING MECHANISM FOR RAILWAY CAR DOORS
James S. Swann, Chicago, Ill., assignor to Railway Metal Products Company, Chicago, Ill., a corporation of Delaware
Application March 30, 1935, Serial No. 13,797
3 Claims. (Cl. 268—44)



1. In a railway car having a door opening and a sliding door to close said opening; a stud on the car, a pintle on the door, a lever pivotally and slidably mounted on said pintle, said elements associated and arranged so that the lever may be engaged with the stud to move the door from fully closed position, a projection on the lever, an abutment on the door, a wing on said lever having an inclined surface, a stop on the car, said elements associated and arranged so that as the door moves to a closed position the inclined surface on said wing rides upon said stop and the wing drops behind said stop and at substantially the same time the abutment engages said projection thereby holding the door in a fully closed position.

2,041,651
RAILWAY CAR WALL
William J. Tangerman, Hammond, Ind., assignor to Union Metal Products Company, Chicago, Ill., a corporation of Delaware
Application March 13, 1935, Serial No. 10,866
3 Claims. (Cl. 105—409)

1. A wall for a railway car comprising an upper chord, a lower chord and a plurality of wall sheets; each sheet comprising side marginal parts secured to the side marginal parts of adjacent wall sheets, end marginal parts secured to said chords, respectively, spaced apart corrugations extending between and overlapping said chords, respectively, a central portion in a spaced apart plane from the side marginal parts below the plane of the tops of said corrugations and connecting por-



tions between said central portion and said end portions, said connecting portions merging into said end marginal parts above the top of the lower chord and below the bottom of the upper chord.

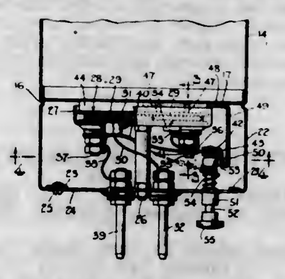
2,041,652
CALENDAR
Keith Clark and Archibald G. Mitchell, Ridgewood, N. J., assignors to Keith Clark, Inc., New York, N. Y, a corporation of New York
Application March 18, 1935, Serial No. 11,542
6 Claims. (Cl. 40—120)



1. A desk calendar including a relatively rigid base plate having at least twice the area of the calendar sheets to be held thereon and being provided with a perforation having the wall thereof provided with a screw thread and a perforation having an unthreaded wall, a binder post for the calendar sheets comprising a female section disposed vertically with relation to the top surface of the base plate and being provided with a threaded lower end portion adapted to extend through said first mentioned perforation in threaded engagement with the wall thereof, a nut for locking said section in position on the base plate, a rigid male section having a pair of parallelly arranged portions disposed vertically with relation to the top surface of the base plate and connected at their upper ends by a cross piece which is formed integral therewith, one of said vertically disposed portions being longer and having a greater cross-sectional area than the other, said smaller portion being slidably receivable in said female section and said longer portion being slidably receivable in said second mentioned perforation, means for holding said rigid male section securely to the base plate and in locked position with respect to said female section and means for maintaining said base plate in tilted position on a desk.

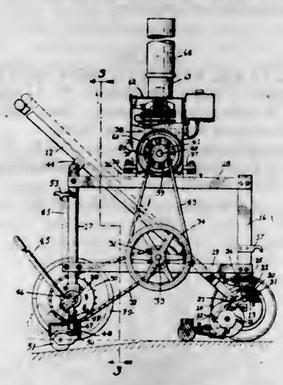
2,041,653
MAXIMUM TEMPERATURE CONTROLLING DEVICE
Edward S. Cornell, Jr., Larchmont, N. Y., assignor to American Radiator Company, New York, N. Y., a corporation of New Jersey
Application May 11, 1934, Serial No 725,034
2 Claims. (Cl. 219—38)

1. A unitary circuit control device, the combination of a supporting member, electrical terminals insulatedly mounted on said supporting member, an electrical heating element, a casing insulatedly carrying said electrical heating element, electrical contacts respectively connected to said heating element and insulatedly mounted on said casing, an electrical switch member secured to one of said electrical contacts and arranged to engage and disengage the other of said electrical contacts, thermostatic means, means for mount-



ing one end of said thermostatic means in direct relationship with said casing, the other end of said thermostatic means being free, electrically insulating means arranged to be interposed between the free end of said thermostatic means and said electrical switch member, and manually operable means effecting displacement of the free end of said thermostatic means for effecting movement of said electrical switch member to its circuit-opening position.

2,041,654
POWER ATTACHMENT MEANS FOR LAWN MOWERS
Charles Vance Dame and Boyd Barber, Lanark, Ill.; said Barber assignor to said Dame
Application August 20, 1934, Serial No. 740,602
7 Claims. (Cl. 56—26)

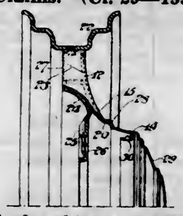


1. A power actuated lawn mowing machine comprising a supporting structure, an engine carried thereby, a traction wheel at the rear of said structure driven by said engine, a lawn mower pivotally attached to and supporting the forward end of said frame and constituting a dirigible unit for said machine, and means comprising casters at the rear of said frame arranged to be moved in a direction for elevating said traction wheel from driving contact with the ground whereby the rear end of the structure can be moved on the casters about the point of pivotal connection of the structure with the mower.

2,041,655
WOOD TREATING PREPARATION
Gilbert Gunn, Pollokshaws, Scotland, assignor to Celcure Corporation of America, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application November 16, 1934, Serial No. 753,308. In Great Britain November 24, 1933
4 Claims. (Cl. 134—78.6)

1. A new wood preservative in dry form, comprising a soluble dichromate, a soluble copper salt and a non-reducing salt of a weak volatile aliphatic acid and a base capable of reacting with the wood to liberate the acid part of such salt, the proportion of the last named salt being less than either of the first two salts.

2,041,656
METHOD OF MAKING WHEELS
Franklin R. Hight, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 7, 1932, Serial No. 615,792
4 Claims. (Cl. 29—159.03)



1. A method of making an artillery wheel from flat sheet stock which comprises drawing an axially deep nave portion, the while partially drawing the bodies of the spokes extending into said nave portion, trimming the blank between the spokes so as to leave wheel plane marginal flanges along the side walls of the spokes and the peripheral portions between the spokes, and finally pressing upon the marginal flanges to form the full depth of the spoke and nave portions.

2,041,657
METHOD FOR MAKING SPOKED WHEELS
Franklin R. Hight, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application February 16, 1933, Serial No. 657,060
Renewed March 28, 1936
12 Claims. (Cl. 29—159.03)

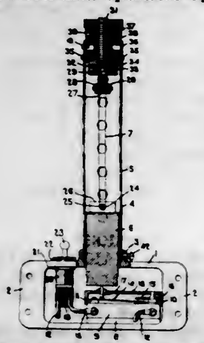


3. The method of forming artillery type wheels from flat stock sheet metal which consists in initially axially pressing out the bodies of the spokes with oversized closed ends having rounded corners and thereafter upsetting said closed ends to reduce them to size and square the corners.

2,041,658
HYGROSCOPIC CONTROLLING MECHANISM FOR AN ELECTRIC CIRCUIT
William B. Hodge, Charlotte, N. C., assignor to Parks-Cramer Company, Fitchburg, Mass., a corporation of Massachusetts
Application January 13, 1934, Serial No. 706,574
6 Claims. (Cl. 200—52)

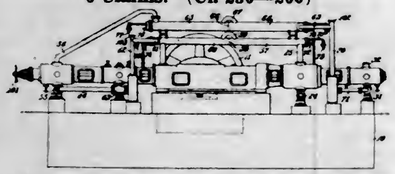
1. A hygroscopic control for an electric circuit comprising a rigid frame, an instantaneous switch

for the electric circuit mounted thereon, an hygroscopically extensible element adjustably suspended from said frame, a weight suspended by said element directly above the operating member of said switch and operable upon elongation



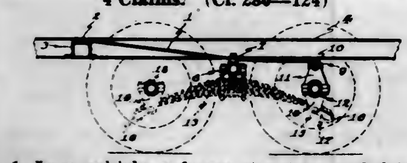
of said member in response to rising humidity to cause said weight to depress said operating member and thereby to actuate said switch at a predetermined condition of humidity.

2,041,659
COMPRESSOR
Franklin B. Hunt, Chicago, Ill., assignor to The Liquid Carbonic Corporation, Chicago, Ill., a corporation of Delaware
Application May 25, 1934, Serial No. 727,430
6 Claims. (Cl. 230—200)



1. A compressor comprising a plurality of pump cylinders, pistons in said cylinders, means for operating said pistons, conduits for leading fluid serially through said cylinders, another pump cylinder, a piston operatively received within said last-named cylinder and driven in unison with one of said first-mentioned pistons, means for supplying fluid to said last-named cylinder, means for conducting the fluid exhausted from said last-named cylinder into a conduit providing communication between two of said first-mentioned cylinders, and means operable, at times, to hold open the intake valves of said last-named cylinder.

2,041,660
VEHICLE AXLE ALIGNER
Axel R. Le Moon, Chicago, Ill., assignor to Nelson-Le Moon Truck Co., Chicago, Ill., a corporation of Illinois
Application August 4, 1934, Serial No. 738,567
4 Claims. (Cl. 280—124)



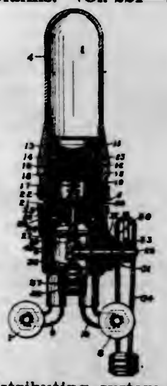
1. In a vehicle, a frame structure and driving means for the vehicle, a non-driving supporting axle and wheels thereon, resilient connections between the vehicle frame and the non-driving axle permitting up and down motions of the axle and lateral tilting thereof, and additional restraining means for said non-driving axle for preventing lateral shifting of said axle, said restraining means comprising a member extending longitudinally of the vehicle frame midway between the sides of the frame and mounted thereon to be supported at two spaced points on the vehicle frame, a vertical arm rigid with said non-driving axle and having a pivotal connection on a horizontal axis with one end of said restraining means.

2,041,661
SAFETY RELEASE MECHANISM FOR FIREARMS
Charles Henry Lepp, Albany, N. Y., assignor of one-third to Alphonse Lavallee, Watervliet, N. Y.
Application March 25, 1935, Serial No. 12,975
2 Claims. (Cl. 42—70)



1. In combination with a gun having a stock provided with a chamber and a trigger equipped with a safety latch, an operating element slidable through the stock and secured to the latch, a shoulder piece slidably mounted to the stock and having the operating element secured thereto, a cushion block interposed between the stock and shoulder piece and having a slot communicative at one end with the chamber and a ball movable in the slot and capable of moving into and out of the chamber when said gun is held in firing position at a person's shoulder.

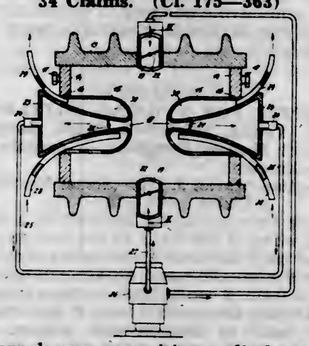
2,041,662
INFLATABLE FLOTATION DEVICE
Daniel Mapes, Upper Montclair, N. J., assignor to Walter Kidde & Company, Inc., Bloomfield, N. J., a corporation of New York
Original application April 8, 1933, Serial No. 665,090. Divided and this application February 19, 1934, Serial No. 711,838
2 Claims. (Cl. 221—73.5)



1. A fluid distributing system for distributing a fluid medium under pressure to a plurality of

compartments comprising a body member provided with a chamber, a fluid inlet passage for said chamber, a plurality of fluid outlet passages for said chamber; a container of fluid medium under pressure of the type comprising a container proper having an outlet opening, a frangible disc normally sealing said outlet opening, disc rupturing means for rupturing said frangible disc to release the fluid medium, and means normally yieldingly retaining said disc rupturing means out of contact with said frangible disc; means to connect said container to said inlet passage so that the contents thereof may be discharged into said chamber, the arrangement being such that the fluid release means of said container may be operated from within the chamber of the body member through said inlet passage, a striking pin arranged axially within said inlet passage in such a position that it may be forced into operative engagement with said disc rupturing means; means for guiding said striking pin mounted within said inlet passage, said last named means being provided with an opening for permitting the passage of the fluid medium therethrough, a spindle journalled in a wall of the chambered body member at right angles to the axis of said striking pin and extending exteriorly and interiorly of said wall, packing means encompassing said spindle for preventing leakage of the fluid medium past the spindle, a cam mounted on said spindle within said chamber in a position to forcibly engage the striking pin when the spindle is rotated, said cam being formed with a depression on the periphery thereof adapted to be yieldingly engaged by locking means to normally maintain the cam out of forcible engagement with the striking pin, a spring pressed detent mounted within a wall of the chambered body member and adapted to yieldingly engage the depression in the cam to lock the same as aforesaid, means external to the chambered body member to effect rotation of the spindle to actuate the cam to engage the striking pin to effect release of the fluid medium from the container, and a check valve in each outlet passage from the chambered body member to prevent flow of the fluid medium from the several compartments back into the chambered body member and to prevent intercommunication of the compartments.

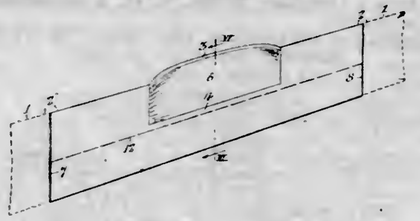
2,041,663
MEANS FOR CONVERTING ALTERNATING CURRENT INTO DIRECT CURRENT AND VICE VERSA
Erwin Marx, Brunswick, Germany
Application January 14, 1932, Serial No. 586,622
In Germany January 22, 1931
34 Claims. (Cl. 175—363)



1. A spark gap comprising a discharge chamber, two electrodes in said chamber and an inlet for feeding compressed gas into said chamber, said inlet being arranged in proximity of one of said electrodes, said inlet having the form of a nozzle the cross-section of which gradually decreases from the ends of the nozzle to an intermediate point thereof and the other electrode being provided with an outlet for the compressed gas having the form of a nozzle the cross-section of which gradually decreases from the ends of the nozzle to an intermediate point thereof.

24. A spark gap comprising a discharge chamber, two electrodes in said chamber, an inlet for feeding compressed gas into said chamber, said inlet being arranged in the wall of said chamber, each electrode being provided with a nozzle-shaped escaping opening for the compressed gas and coils arranged within said electrodes for producing an electromagnetic field for moving the basic points of the arc.

2,041,664
LOCKSTITCH KNIT FABRIC
William Mendel, Beverly, and Joseph Titone, Riverbank, Burlington, N. J., assignors to Neidich Cel-Lus-Tra Corporation, Burlington, N. J., a corporation of New Jersey
Application October 14, 1933, Serial No. 693,581
9 Claims. (Cl. 66—175)

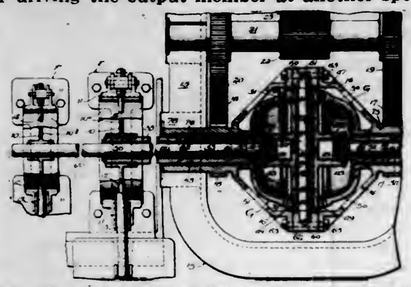


1. In a lockstitch knit elastic fabric, for corseting garments; the combination, in a continuous integrally knit self-edged strip, of a longitudinal series of flat sections of elastic fabric; borders, of elastic fabric, at opposite edges of said strip, connecting said sections in predetermined longitudinally spaced relation; and a longitudinal series of concavo convex breast pockets, including elastic and inelastic threads and individually interposed between said borders and connected in spaced relation by said flat sections; one of said borders being of such width as to form a supporting girdle below the breast pockets; all of the threads forming said fabric extending longitudinally therein, but having lateral interloops forming the lockstitches, for preventing any run in said fabric from any hole made therein.

2,041,665
TRANSMISSION DEVICE
Clifford E. Paine, Chicago, Ill.
Application November 23, 1932, Serial No. 644,043
Renewed October 4, 1935
9 Claims. (Cl. 74—282)

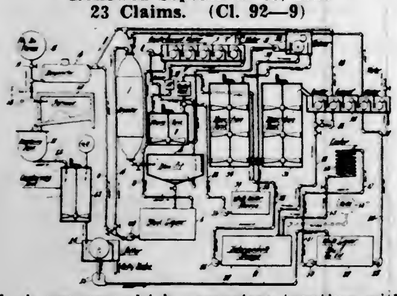
1. A rotary speed transmission comprising in combination a rotary output member, at least two rotary input members, separate prime movers for driving the input members respectively, each of said input members and its respective prime-mover being relatively rotatable with respect to the output member, rotary power-transmitting devices operatively connecting the input members with the output members, means for restraining rotation selectively of the power-transmitting devices for driving the output member by either

of the input members at one speed, means for restraining rotation of one of the input members for driving the output member at another speed



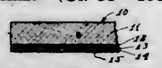
while the speed of the driving member remains substantially constant, and means for selectively causing both of the input members to drive the output member at a third speed.

2,041,666
CYCLIC PROCESS OF TREATING ALKALINE PULPS
George A. Richter, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine
Application December 4, 1925, Serial No. 73,193
Renewed September 26, 1930
23 Claims. (Cl. 92—9)



1. A process which comprises treating with a liquor containing fresh alkaline sodium compounds, pulp derived from the digestion of wood chips in a digesting liquor containing sodium compounds, reutilizing one portion of alkaline liquor resulting from such treatment in the alkaline treatment of other pulp, and smelting and recovering the sodium compounds from the other portion of much liquor, together with the sodium compounds of said spent digesting liquor, in the form of alkaline sodium compounds.

2,041,667
MIRROR
John E. Thomas, La Grange, Ill., assignor to Hooker Glass & Paint Mfg. Co., Chicago, Ill., a corporation of Illinois
Application April 5, 1935, Serial No. 14,741
3 Claims. (Cl. 88—105)



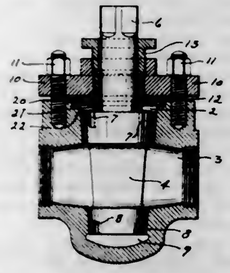
1. The combination with a mirror formed of a glass having a silvered surface, of a protective coating therefor comprising a paint-like layer secured to said silvered surface and an external layer consisting of flock particles anchored in said paint-like layer.

2,041,668
PROCESS FOR DEHYDRATION OF ACETIC ACID AND OTHER LOWER FATTY ACIDS
Theodore O. Wentworth, Cincinnati, Ohio, assignor to The Vulcan Copper & Supply Co., Cincinnati, Ohio, a corporation of Ohio
No Drawing. Application April 2, 1935, Serial No. 14,257
9 Claims. (Cl. 260—122)

1. In the process of dehydrating aqueous solutions of one or more of the lower fatty acids, the use of thiophene for extracting the acid or acids from the water.

3. The process for continuously separating water from its solution with one or more of the lower fatty acids, in which the dilute acid or acids is extracted with thiophene, the aqueous layer discharged after substantially complete exhaustion, the thiophene layer, containing substantially all of the acid or acids originally present and part of the water, passed to a column still in which the thiophene removes the water in an azeotropic distillation and the lower fatty acid or acids are discharged in a concentrated condition.

2,041,669
VALVE
Benjamin B. Whittle, Oklahoma City, Okla.; Lessie F. Whittle executrix of said Benjamin B. Whittle, deceased
Application June 26, 1933, Serial No. 677,595
2 Claims. (Cl. 251—93)

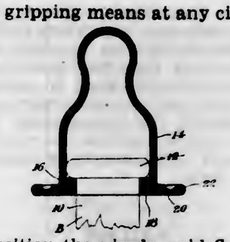


1. In a lubricated valve comprising a body, a plug rotatably mounted in the body, a stem for actuating the plug, and a head portion secured to the body and over-lapping the upper end of the plug in such a manner as to form a lubricant chamber therebetween, a seal for preventing leakage of lubricant from the lubricant chamber comprising a ring-like metal member mounted on the upper end of the plug and surrounding the stem and having portions in engagement with the upper end of the plug and the head portion respectively.

2,041,670
NIPPLE FOR NURSING BOTTLES
Philip E. Young, Fairhaven, Mass., assignor to Acushnet Process Company, a corporation of Massachusetts
Application March 3, 1933, Serial No. 659,456
1 Claim. (Cl. 128—252)

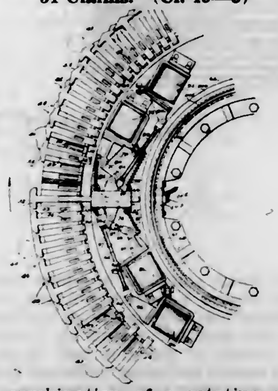
A nipple for nursing bottles having a substantial thickening of the walls at the bottom thereof, a part of said thickening extending inwardly to constrict the opening and a part extending outwardly to form a continuous circular flange projecting around the normal base of the nipple and adapted both to tension the bottom of the nipple against the bottle neck and to serve as a

transverse gripping means at any circumferential



point to position the nipple, said flange being of extended radial area but of restricted thickness.

2,041,671
GLASSWARE FORMING MACHINE
Russell G. Allen, Alton, Ill., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application June 21, 1934, Serial No. 731,670
31 Claims. (Cl. 49—5)



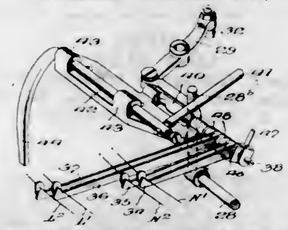
1. The combination of a rotating support, a non-rotating support, a group of cams carried by one of said supports and arranged to provide an extended cam surface, cam actuated devices carried by the other of said supports, means for adjusting the individual cams radially of the non-rotating support and thereby varying the effective length of the cam surface, said adjusting means including a cam shifting unit common to all of the cams, means for bringing said unit into operative position relative to the cam to be adjusted, and means for actuating said shifting unit whereby it adjusts said cam.

2,041,672
SHOE OF THE GHILLIE TYPE
Claude H. Daniels, Wellesley Hills, Mass.
Application October 8, 1935, Serial No. 44,042
3 Claims. (Cl. 36—50)



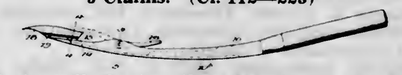
1. A shoe comprising an upper consisting of vamp and quarter portions, the quarters having opposed margins adapted to be laced together to hold the shoe on the foot, each of said quarter margins being formed with a plurality of inwardly projecting tabs and each of said tabs having a pair of openings therethrough, and a lacing extending outwardly and downwardly through the forward opening of each tab and then outwardly and upwardly through the rearward opening thereof, so that the lacing engages the upper surface of each tab at two points and thus holds down the edges thereof.

2,041,673
STOP MECHANISM FOR LOOPERS
Thomas H. De Spain, Paducah, Ky., assignor to Southern Textile Machinery Company, Paducah, Ky., a corporation of Kentucky
Original application October 15, 1934, Serial No. 748,401. Divided and this application February 4, 1935, Serial No. 4,932
4 Claims. (Cl. 112—219)



3. The combination with the driving and clutch shifter mechanisms of a sewing machine, of stop motion mechanism including a plurality of detectors corresponding to the number of ends constituting the threads used in the machine, a shaft on which said detectors are loosely pivoted, control means mounted on said shaft for normally maintaining the clutch shifter mechanism inoperative, and means operable by pivotal movement of any one of said detectors for rocking said shaft and actuating said control means to render said clutch shifting mechanism operative.

2,041,674
NEEDLE
Thomas H. De Spain, Paducah, Ky., assignor to Southern Textile Machinery Company, Paducah, Ky., a corporation of Kentucky
Original application October 15, 1934, Serial No. 748,401. Divided and this application February 4, 1935, Serial No. 4,933
3 Claims. (Cl. 112—223)



2. A needle for two-thread sewing mechanisms having an eye therein for a needle thread, a hook recess in its surface for a loop of a second thread, the surface of said needle opposite said recess being concave, said concave surface merging with the point of the needle, and a guide way in the surface of said needle extending from said recess to said concave surface whereby one side of a loop of said second thread in said recess will be deflected across said concave surface at said opposite side of the needle when said needle is moved laterally.

2,041,675
ELECTRICAL DISTRIBUTION SYSTEM
William H. Frank and Joseph W. Harper, Detroit, Mich., assignors to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Application October 9, 1933, Serial No. 692,910
17 Claims. (Cl. 247—3)

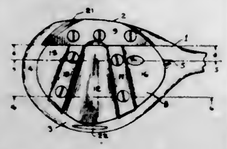
1. A bus duct run comprising a closed duct run containing bus runs symmetrically disposed

with respect to the duct run and with respect to one another, and symmetrically arranged, longitudinally disposed holes in the duct run through which may be plugged contacts for directly en-



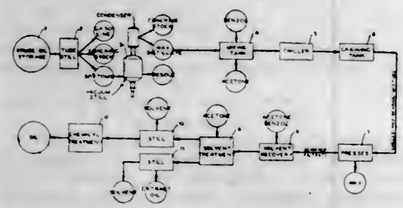
gaging the bus runs, the duct run sections being divided longitudinally and composed of cooperating members, which are identical and symmetrical in cross section.

2,041,676
GOLF CLUB
James P. Gallagher, Arlington, N. J.
Application May 9, 1934, Serial No. 724,669
4 Claims. (Cl. 273—77)



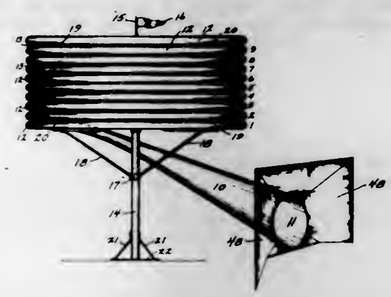
1. A golf club comprising a head having an upstanding front striking face, a base adapted to engage the turf upon addressing the golf ball, said base having a flat forward portion adjacent said striking face, said base having a central portion behind said forward flat portion comprising a cavity countersunk into said base, said cavity originating adjacent said flat front portion and progressively increasing in depth and width from front to rear, and said cavity extending from said forward flat portion to and through the rear edge of the head.

2,041,677
PROCESS FOR THE RECOVERY AND PURIFICATION OF LUBRICATING OILS FROM MINERAL OILS
Francis X. Govers, Vincennes, Ind., assignor to Indian Refining Company, Lawrenceville, Ill., a corporation of Maine
Original application April 2, 1931, Serial No. 527,104, now Patent No. 1,920,125, dated July 25, 1933. Divided and application June 10, 1932, Serial No. 616,502. Again divided and this application February 28, 1934, Serial No. 713,305
3 Claims. (Cl. 196—17)



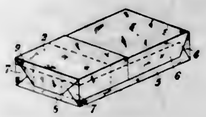
2. The method of manufacturing low pour test high viscosity index oil from viscous wax-bearing mineral oil comprising mixing said oil with a solvent liquid composed of acetone and benzol mixed with the oil in proportions sufficient to yield an oil of around zero pour test when dewaxed at 0° F., chilling the mixture to precipitate the wax, separating the wax thus precipitated, removing the solvent from the dewaxed oil, extracting the dewaxed oil with a solvent comprising mainly acetone to dissolve the low viscosity index constituents, and separating from the mixture a fraction of low pour test comprising constituents of high viscosity index.

2,041,678
GOLF GAME
Joseph Hirschauer, Sioux City, Iowa, assignor of one-twentieth to Hilda Mary Larson, Alta, Iowa
Application June 11, 1934, Serial No. 729,947
2 Claims. (Cl. 273—32)



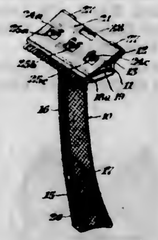
1. A golf game comprising a cone member positioned to receive a driven golf ball, a cylindrically arranged coil of round pipes communicating with the cone member, means for indicating the extent of travel of the golf ball in the coil of pipes, said means including openings arranged at separate horizontally spaced intervals in the coil, further means for registering the drive including a plurality of cups including pivoted flags adapted to receive the golf balls dropping through said openings, means for accurately centering the balls above said cups including tapered necks communicating with the pipes, said necks including vertical portions positioned directly above the receiving cups, said cups being arranged in a flat horizontal plane beneath said coils to correspond with said openings.

2,041,679
WRAPPING FOR BLOCK SHAPED ARTICLES
William Joseph Kemp, Deptford, London, England
Application February 26, 1935, Serial No. 8,381
In Great Britain March 12, 1934
5 Claims. (Cl. 229—87)



1. An inner wrapper for cigarettes and like articles adapted for insertion in an outer container, said wrapper comprising at least two readily separable elements of wrapping material, one of said elements covering a part only of one end of the wrapped articles.

2,041,680
SELF-SHARPENING SAFETY RAZOR
Thomas J. Pilliod and Ferdinand C. Müller, Swanton, Ohio, assignors to De Haven Razor Corporation, a corporation of Delaware
Application February 20, 1935, Serial No. 7,316
26 Claims. (Cl. 30—36)



21. In a safety razor, the combination of a seat for a blade, a blade having flexible tongues within its boundaries and perpendicular to its cutting edge and overhanging parts connected with said seat which are adapted to hold said tongues in depressed positions below the adjacent area of the blade, whereby said blade may be yieldingly held in shaving position.

2,041,681
ORNAMENTAL FLOWER-HOLDING DEVICE
Kumaichiro Shinoda, Los Angeles, Calif., assignor to San Lorenzo Nursery Company, Los Angeles, Calif.
Application November 20, 1935, Serial No. 50,801
5 Claims. (Cl. 47—55)

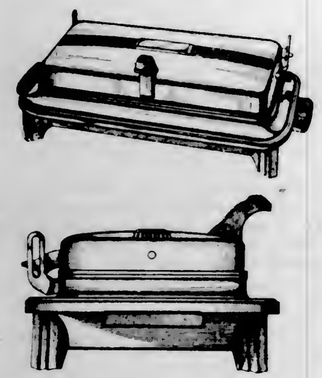


5. A flower-holding device, comprising a bamboo-body with a trapezoid cross-section and an upper end, a smooth glossy surface on one side of said body, a pointed lower end, and a wire clamp secured to the upper end.

DESIGNS

MAY 19, 1936

99,668
DESIGN FOR A TABLE COOKER
Oscar M. Anderson, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a corporation of Connecticut
Application March 14, 1936, Serial No. 61,638
Term of patent 14 years



The ornamental design for a table cooker, as shown.

99,669
DESIGN FOR A ROLL OR SIMILAR ARTICLE
Patrick J. Brennan, York, Pa., assignor of one-half to Edw. Fox Baking Co., Inc., York, Pa., a corporation of Pennsylvania
Application March 24, 1936, Serial No. 61,752
Term of patent 14 years



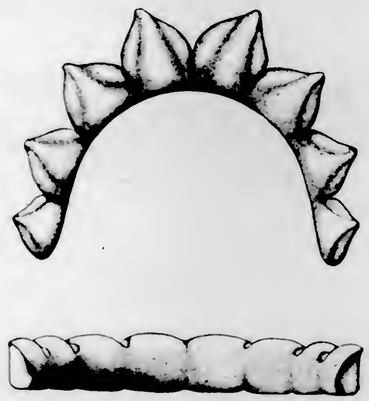
The ornamental design for a roll or similar article, substantially as shown.

99,670
DESIGN FOR A ROLL OR SIMILAR ARTICLE
Patrick J. Brennan, York, Pa., assignor of one-half to Edw. Fox Baking Co., Inc., York, Pa., a corporation of Pennsylvania
Application March 24, 1936, Serial No. 61,753
Term of patent 14 years



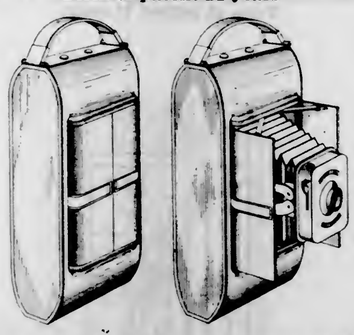
The ornamental design for a roll or similar article, substantially as shown.

99,671
DESIGN FOR A ROLL OR SIMILAR ARTICLE
Patrick J. Brennan, York, Pa., assignor of one-half to Edw. Fox Baking Co., Inc., York, Pa., a corporation of Pennsylvania
Application March 24, 1936, Serial No. 61,754
Term of patent 14 years



The ornamental design for a roll or similar article, substantially as shown.

99,672
DESIGN FOR A CAMERA
Chester W. Crumrine, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application April 8, 1936, Serial No. 62,015
Term of patent 14 years



The ornamental design for a camera, as shown and described.

99,673
DESIGN FOR A CENTER BRIDGE FOR EYEGLASSES
Edgar R. Durgin, Newark, N. J., assignor to New Jersey Optical Co., Newark, N. J., a corporation of New Jersey
Application February 10, 1936, Serial No. 61,063
Term of patent 7 years



The ornamental design for a center bridge for eyeglasses, as shown.

99,674
DESIGN FOR A DECORATIVE ALPHABET FOR FORMING MONOGRAMS FOR WEARING APPAREL OR SIMILAR ARTICLE
Charles Emmey, New York, N. Y.
Application March 5, 1936, Serial No. 61,484
Term of patent 7 years



The ornamental design for a decorative alphabet for forming monograms for wearing apparel or similar article, as shown and described.

99,675
DESIGN FOR A PROJECTOR CASING
Edwin C. Fritts, Rochester, and Walter D. Teague, New York, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application April 4, 1936, Serial No. 61,955
Term of patent 14 years



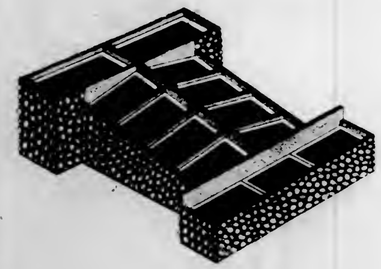
The ornamental design for a projector casing as shown.

99,676
DESIGN FOR A GLASS GOBLET
David King Irwin, Short Hills, N. J., assignor to Morgantown Glass Works, Morgantown, W. Va., a corporation of West Virginia
Application March 12, 1936, Serial No. 61,588
Term of patent 7 years



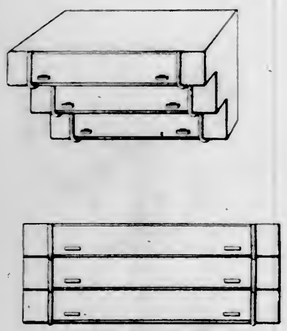
The ornamental design of a glass goblet, as shown.

99,677
DESIGN FOR A DISPLAY STAND
Gustaf A. Johnson and Manuel A. Lopes, Manteca, Calif.
Application February 29, 1936, Serial No. 61,430
Term of patent 14 years



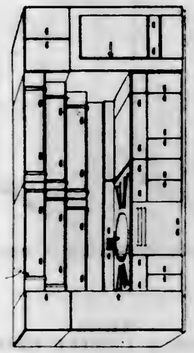
The ornamental design for a display stand, as shown.

99,678
DESIGN FOR A STORAGE CABINET
Francis John Osuch, Detroit, Mich., assignor to Robot-Hand Corporation, Detroit, Mich., a corporation of Delaware
Application December 12, 1935, Serial No. 60,023
Term of patent 14 years



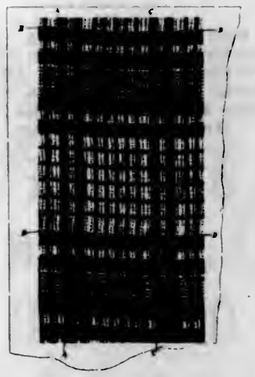
The ornamental design for a storage cabinet, as shown and described.

99,679
DESIGN FOR A COMBINATION KITCHEN CABINET, REFRIGERATOR, AND SINK
Francis John Osuch, Detroit, Mich., assignor to Robot-Hand Corporation, Detroit, Mich., a corporation of Delaware
Application December 12, 1935, Serial No. 60,024
Term of patent 14 years



The ornamental design for a combination kitchen cabinet, refrigerator, and sink, as shown and described.

99,680
DESIGN FOR TEXTILE FABRIC
George H. Perkins, Wellesley, Mass., assignor to Powdrell & Alexander, Inc., Danielson, Conn., a corporation of Massachusetts
Application August 14, 1935, Serial No. 58,117
Term of patent 3½ years



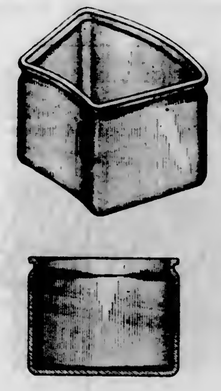
The ornamental design for textile fabric, substantially as shown and described.

99,681
DESIGN FOR A WEDDING RING
Vaughn T. Salter, Ferndale, Mich., assignor to Traub Manufacturing Company, Detroit, Mich.
Application February 24, 1936, Serial No. 61,300
Term of patent 14 years



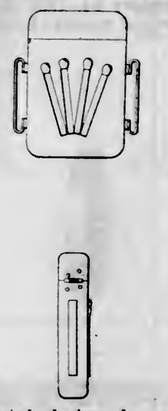
The ornamental design for a wedding ring, as shown.

99,682
DESIGN FOR A FOOD CONTAINER
Lewis H. Scurlock, Chicago, Ill.
Application February 27, 1936, Serial No. 61,383
Term of patent 14 years



The ornamental design for a food container, as shown.

99,683
DESIGN FOR A CIGARETTE BOX BUCKLE
Jack Singer, Brooklyn, N. Y.
Application April 7, 1936, Serial No. 61,987
Term of patent 3½ years



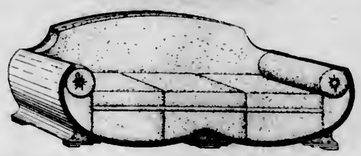
The ornamental design for a cigarette box buckle substantially as shown.

99,684
DESIGN FOR A TEXTILE FABRIC
Max E. Singerman, New York, N. Y.
Application April 15, 1936, Serial No. 62,129
Term of patent 3½ years



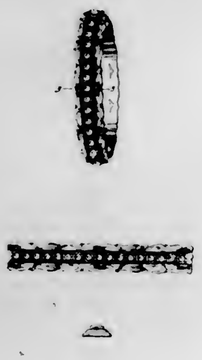
The ornamental design for a textile fabric, substantially as shown, and described.

99,685
DESIGN FOR A SETTEE OR SIMILAR ARTICLE
Charles Stoll, Brooklyn, N. Y.
Application April 13, 1936, Serial No. 62,092
Term of patent 3½ years



The ornamental design for a settee or similar article as shown.

99,686
DESIGN FOR A WEDDING RING
Guy A. Tomlinson, Detroit, Mich., assignor to Traub Manufacturing Company, Detroit, Mich.
Application February 24, 1936, Serial No. 61,301
Term of patent 14 years



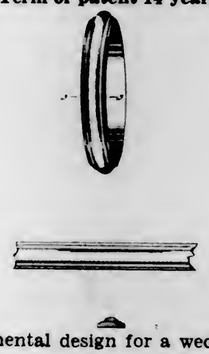
The ornamental design for a wedding ring, as shown.

99,687
DESIGN FOR A WEDDING RING
Guy A. Tomlinson, Detroit, Mich., assignor to Traub Manufacturing Company, Detroit, Mich.
Application February 24, 1936, Serial No. 61,302
Term of patent 14 years



The ornamental design for a wedding ring, as shown.

99,688
DESIGN FOR A WEDDING RING
Guy A. Tomlinson, Detroit, Mich., assignor to Traub Manufacturing Company, Detroit, Mich.
Application February 24, 1936, Serial No. 61,303
Term of patent 14 years



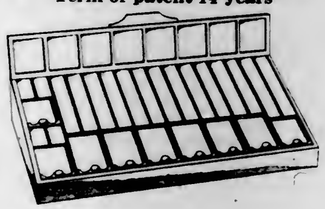
The ornamental design for a wedding ring, as shown.

99,689
DESIGN FOR A PIANO CASE
Peter Van Dommelen, Holland, Mich., assignor to Gulbransen Company, Chicago, Ill., a corporation of Illinois
Application March 12, 1936, Serial No. 61,590
Term of patent 3½ years



The ornamental design for a piano case, as shown.

99,690
DESIGN FOR A DISPLAY CASE
Thomas E. Wharton, Fairfield, Conn.
Application August 3, 1935, Serial No. 57,931
Term of patent 14 years





The ornamental design for a display case, as shown and described.

99,691
DESIGN FOR A TEXTILE FABRIC
Arthur White, Uxbridge, Mass., assignor to Uxbridge Worsted Company, Inc., Uxbridge, Mass., a corporation of Massachusetts
Application July 16, 1935, Serial No. 57,660
Term of patent 3½ years



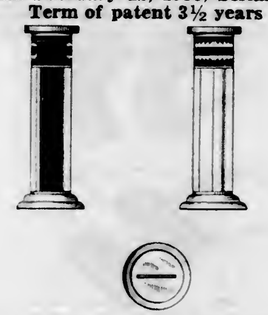
The ornamental design for a textile fabric, as shown and described.

99,692
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, North Bergen, N. J.
Application April 23, 1936, Serial No. 62,254
Term of patent 3½ years



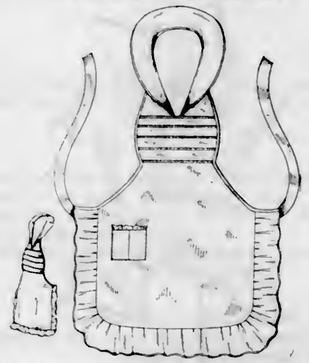
The ornamental design for a textile fabric, substantially as shown, and described.

99,693
DESIGN FOR A COIN CONTAINER
Denison Babcock, New York, N. Y.
Application February 12, 1936, Serial No. 61,110
Term of patent 3½ years



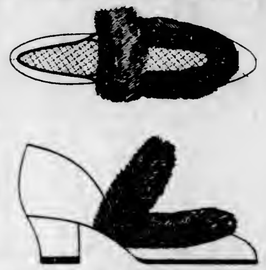
The ornamental design for a coin container as shown.

99,694
DESIGN FOR AN APRON OR SIMILAR ARTICLE
Nancy Barbagallo, New York, N. Y.
Application April 14, 1936, Serial No. 62,113
Term of patent 3½ years



The ornamental design for an apron or similar article as shown and described.

99,695
DESIGN FOR A SLIPPER
Israel Berman, Little Falls, N. Y.
Application April 11, 1936, Serial No. 62,070
Term of patent 3½ years



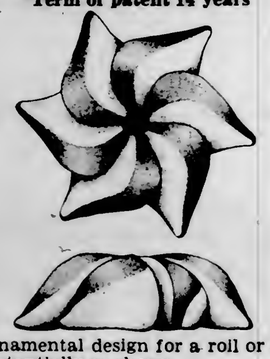
The ornamental design for a slipper substantially as shown.

99,696
DESIGN FOR A SLIPPER
Israel Berman, Little Falls, N. Y.
Application April 11, 1936, Serial No. 62,071
Term of patent 3½ years



The ornamental design for a slipper substantially as shown.

99,697
DESIGN FOR A ROLL OR SIMILAR ARTICLE
Patrick J. Brennan, York, Pa., assignor of one-half to Edw. Fox Baking Co., Inc., York, Pa., a corporation of Pennsylvania
Application March 24, 1936, Serial No. 61,751
Term of patent 14 years



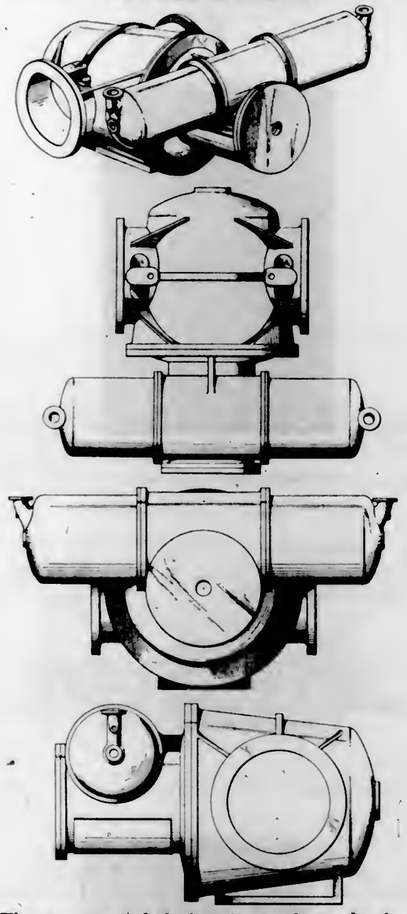
The ornamental design for a roll or similar article, substantially as shown.

99,698
DESIGN FOR A WRAP
Adolph Brieff, New York, N. Y.
Application April 21, 1936, Serial No. 62,230
Term of patent 3½ years



The ornamental design for a wrap, substantially as shown.

99,699
DESIGN FOR A PLUG VALVE BODY
Eugene C. Brisbane, York, Pa., assignor to S. Morgan Smith Company, York, Pa., a corporation of Pennsylvania
Application April 7, 1936, Serial No. 61,985
Term of patent 14 years



The ornamental design for a plug valve body, substantially as shown.

99,700
DESIGN FOR A HEEL
Dominick J. Calderazzo, Brooklyn, N. Y.
Application February 27, 1936, Serial No. 61,378
Term of patent 14 years



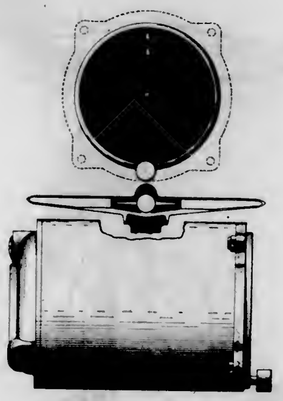
The ornamental design for a heel substantially as shown.

99,701
DESIGN FOR A HEEL
Dominick J. Calderazzo, Brooklyn, N. Y.
Application February 27, 1936, Serial No. 61,379
Term of patent 14 years



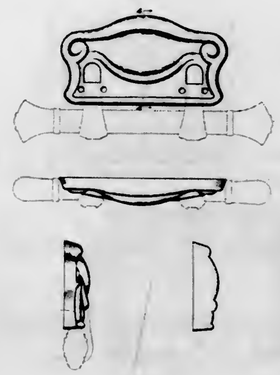
The ornamental design for a heel, substantially as shown.

99,702
DESIGN FOR AN AIRCRAFT LEVEL INDICATING DEVICE
Leslie F. Carter, Leonia, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application October 18, 1935, Serial No. 59,109
Term of patent 7 years



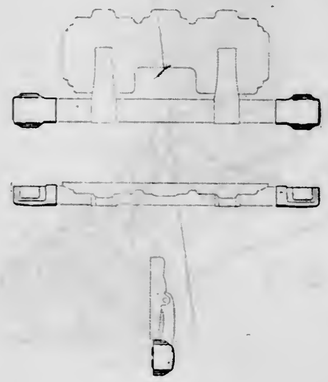
The ornamental design for an aircraft level indicating device, as shown and described.

99,703
DESIGN FOR A BURIAL CASE HANDLE
Lawrence J. Clark, Lakewood, Ohio, assignor to The Dickey-Grabler Company, Cleveland, Ohio, a corporation of Ohio
Application March 28, 1936, Serial No. 61,833
Term of patent 7 years



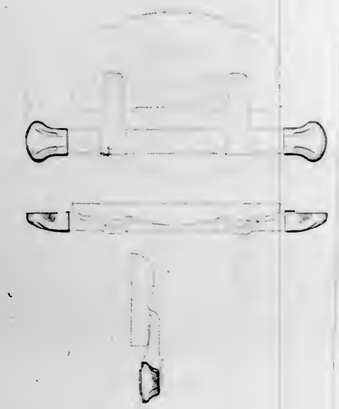
The ornamental design for a burial case handle as shown and described.

99,704
DESIGN FOR A BURIAL CASE HANDLE
Lawrence J. Clark, Lakewood, Ohio, assignor to The Dickey-Grabler Company, Cleveland, Ohio, a corporation of Ohio
Application March 28, 1936, Serial No. 61,834
Term of patent 7 years



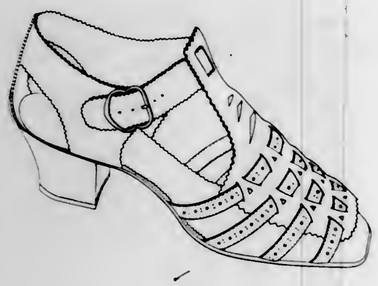
The ornamental design for a burial case handle, as shown and described.

99,705
DESIGN FOR A BURIAL CASE HANDLE
Lawrence J. Clark, Lakewood, Ohio, assignor to The Dickey-Grabler Company, Cleveland, Ohio, a corporation of Ohio
Application March 28, 1936, Serial No. 61,835
Term of patent 7 years



The ornamental design for a burial case handle, as shown and described.

99,706
DESIGN FOR A SHOE
Eli A. Cohen, Swampscott, Mass.
Application March 19, 1936, Serial No. 61,697
Term of patent 3½ years



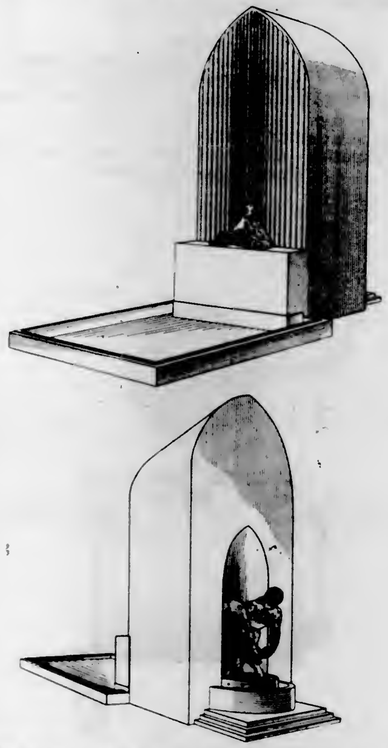
The ornamental design for a shoe, substantially as shown and described.

99,707
DESIGN FOR A SHOE
Claude H. Daniels, Wellesley Hills, Mass.
Application October 8, 1935, Serial No. 58,883
Term of patent 14 years



The ornamental design for a shoe, as shown.

99,708
DESIGN FOR A BUILDING
Guy B. de Vall, New York, N. Y.
Application March 6, 1936, Serial No. 61,503
Term of patent 14 years



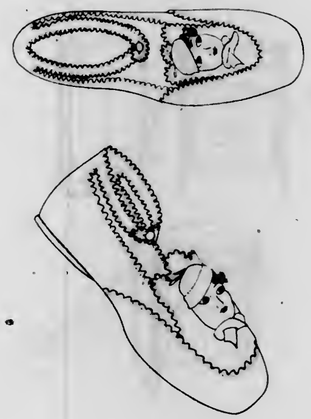
The ornamental design for a building, as shown and described.

99,709
DESIGN FOR A SWEATER
Joseph Engelberg, New York, N. Y.
Application April 21, 1936, Serial No. 62,231
Term of patent 3½ years



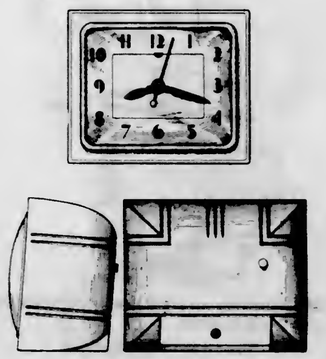
The ornamental design for a sweater, substantially as shown, and described.

99,710
DESIGN FOR A SLIPPER
Leon Goldberg, New York, N. Y.
Application April 9, 1936, Serial No. 62,034
Term of patent 3½ years



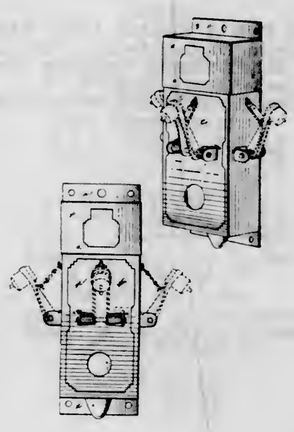
The ornamental design for a slipper substantially as shown and described.

99,711
DESIGN FOR A CLOCK CASE
Frank W. Green, Framingham, Mass., assignor to Warren Telechron Company, a corporation of Maine
Application April 2, 1936, Serial No. 61,907
Term of patent 14 years



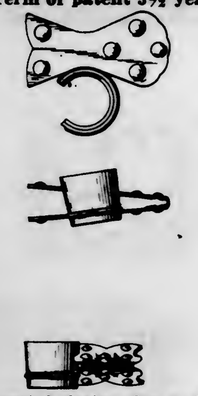
The ornamental design for a clock case as shown.

99,712
DESIGN FOR A COMBINED FIRE DETECTOR, ALARM, AND EXTINGUISHER
Joseph Grison, New York, N. Y.
Application March 12, 1936, Serial No. 61,605
Term of patent 7 years



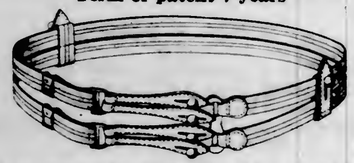
The ornamental design for a combined fire detector, alarm, and extinguisher, as shown and described.

99,713
DESIGN FOR A CHRISTMAS TREE LIGHT HOLDER
Henry Haase, Detroit, Mich.
Application February 25, 1936, Serial No. 61,337
Term of patent 3½ years



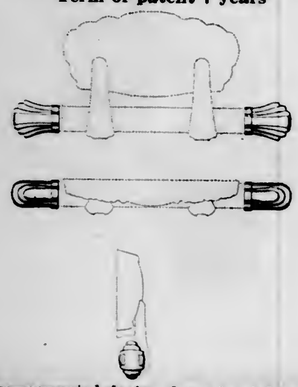
The ornamental design for a Christmas tree light holder, as shown.

99,714
DESIGN FOR A BELT
Martha Hirsh, South Orange, N. J.
Application April 2, 1936, Serial No. 61,908
Term of patent 7 years



The ornamental design for a belt, as shown.

99,715
DESIGN FOR A BURIAL CASE HANDLE
John Jamieson, Garfield Heights, Ohio, assignor to The Dickey-Grabler Company, Cleveland, Ohio, a corporation of Ohio
Application March 28, 1936, Serial No. 61,836
Term of patent 7 years



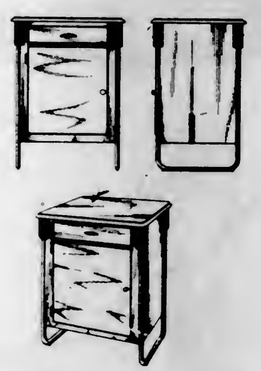
The ornamental design for a burial case handle as shown and described.

99,716
DESIGN FOR A TEXTILE FABRIC
Morton D. Kornfeld, New York, N. Y.
Application April 23, 1936, Serial No. 62,252
Term of patent 3½ years



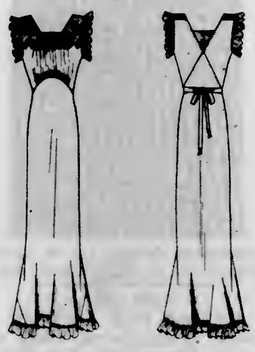
The ornamental design for a textile fabric, substantially as shown, and described.

99,717
DESIGN FOR A KITCHEN CASE
Oak Landaw, Nappanee, Ind.
Application January 6, 1936, Serial No. 60,446
Term of patent 7 years



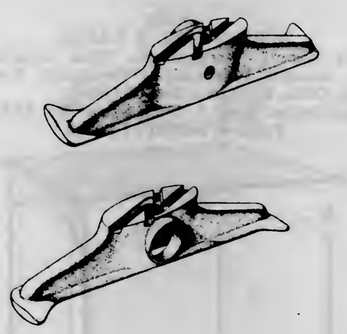
The ornamental design for a kitchen case as shown.

99,718
DESIGN FOR A NIGHTGOWN
Irving Lieberman, New York, N. Y.
Application April 16, 1936, Serial No. 62,157
Term of patent 3½ years



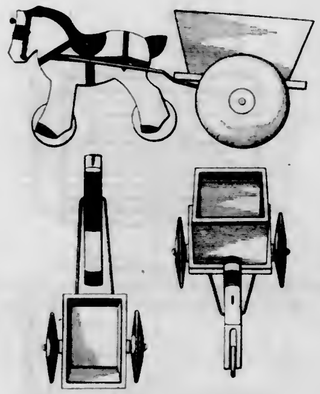
The ornamental design for a nightgown, substantially as shown.

99,719
DESIGN FOR A VACUUM CLEANER NOZZLE
Gustaf Einar Lofgren, Riverside, Conn., assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application April 14, 1936, Serial No. 62,119
Term of patent 14 years



The ornamental design for a vacuum cleaner nozzle, as shown.

99,720
DESIGN FOR A TOY
Edward McCandlish, Ypsilanti, Mich.
Application January 2, 1936, Serial No. 60,400
Term of patent 7 years



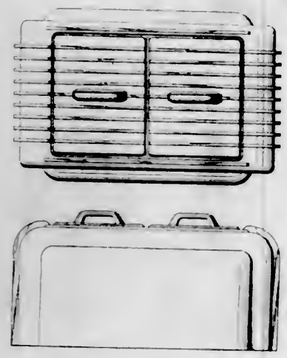
The ornamental design for a toy, as shown.

99,721
DESIGN FOR A FONT OF DISPLAY LETTERS AND FIGURES
Clair McDougal, Saginaw, Mich.
Application July 20, 1935, Serial No. 57,768
Term of patent 14 years



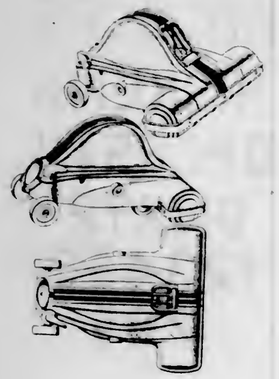
The ornamental design for a font of display letters and figures, as shown and described.

99,722
DESIGN FOR AN AUTOMOBILE HEATER OR THE LIKE
Carl E. Meyerhoefer, New York, N. Y., assignor to E. A. Laboratories, Inc., Brooklyn, N. Y., a corporation of New York
Application October 17, 1935, Serial No. 59,096
Term of patent 14 years



The ornamental design for an automobile heater or the like, as shown.

99,723
DESIGN FOR A VACUUM CLEANER CASING
Malcolm S. Park, Mount Kisco, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application April 2, 1936, Serial No. 61,913
Term of patent 3½ years



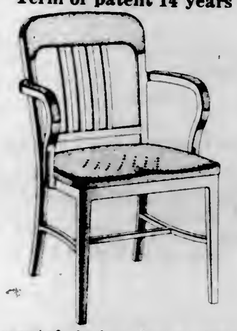
The ornamental design for a vacuum cleaner casing, as shown.

99,724
DESIGN FOR A KNITTED TEXTILE FABRIC
Joseph Persky, New York, N. Y.
Application February 15, 1936, Serial No. 61,191
Term of patent 3½ years



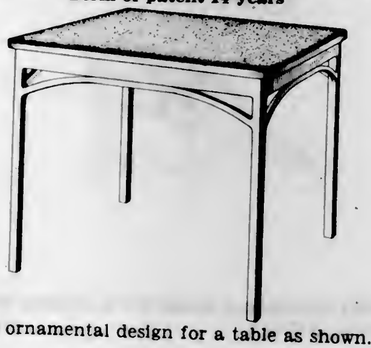
The ornamental design for a knitted textile fabric substantially as shown, and described.

99,725
DESIGN FOR A CHAIR
Dwight Powell, Youngstown, Ohio, assignor to The General Fireproofing Company, Youngstown, Ohio, a corporation of Ohio
Application April 3, 1936, Serial No. 61,932
Term of patent 14 years



The ornamental design for a chair as shown.

99,726
DESIGN FOR A TABLE
Dwight Powell, Youngstown, Ohio, assignor to The General Fireproofing Company, Youngstown, Ohio, a corporation of Ohio
Application April 3, 1936, Serial No. 61,933
Term of patent 14 years



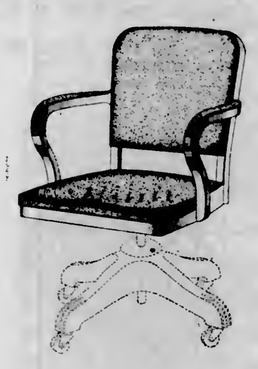
The ornamental design for a table as shown.

99,727
DESIGN FOR A SWIVEL CHAIR
Dwight Powell, Youngstown, Ohio, assignor to The General Fireproofing Company, Youngstown, Ohio, a corporation of Ohio
Application April 7, 1936, Serial No. 61,994
Term of patent 14 years



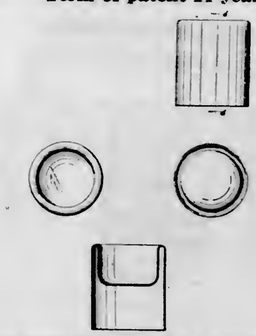
The ornamental design for a swivel chair as shown, and described.

99,728
DESIGN FOR A CHAIR
Dwight Powell, Youngstown, Ohio, assignor to The General Fireproofing Company, Youngstown, Ohio, a corporation of Ohio
Application April 7, 1936, Serial No. 61,995
Term of patent 14 years



The ornamental design for a chair as shown, and described.

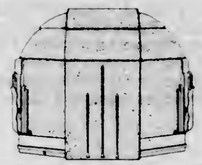
99,729
DESIGN FOR A COMBINED CONTAINER CUP AND SLEEVE FOR ELECTRICAL VAPORIZER
Joseph Robinson, New York, N. Y.
Application October 26, 1935, Serial No. 59,233
Term of patent 14 years



The ornamental design for a combined container cup and sleeve for electrical vaporizer, substantially as shown.

99,730
DESIGN FOR A CASKET
Harry S. Scholl, Chicago, Ill., assignor to F. H. Hill Company, Inc., Cleveland, Ohio, a corporation of Ohio
Application March 24, 1936, Serial No. 61,768
Term of patent 14 years





The ornamental design for a casket, as shown.

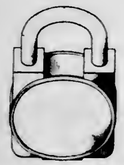
99,731
DESIGN FOR A SHOE
Louis W. Simister, Astoria, N. Y.
Application October 31, 1935, Serial No. 59,289
Term of patent 7 years



The ornamental design for a shoe, as shown.

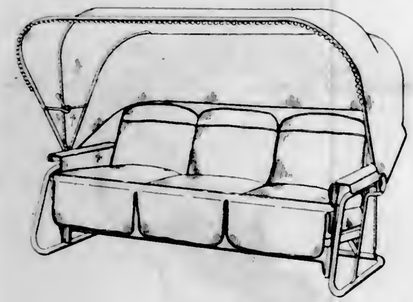
99,732
DESIGN FOR A PADLOCK
Samuel C. Slaymaker, Lancaster, Pa., assignor to The Slaymaker Lock Co., Lancaster, Pa., a corporation of Pennsylvania
Application April 4, 1936, Serial No. 61,958
Term of patent 7 years





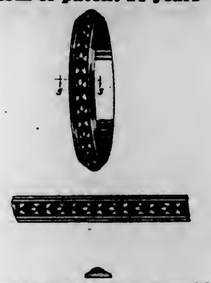
The ornamental design for a padlock, substantially as shown.

99,733
DESIGN FOR A CANOPY GLIDER
Milton B. Smith, Perrysburg, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application March 11, 1936, Serial No. 61,579
Term of patent 7 years



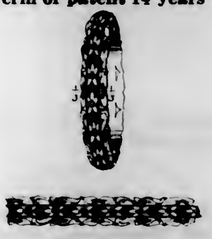
The ornamental design for a canopy glider, as shown.

99,734
DESIGN FOR A WEDDING RING
Guy A. Tomlinson, Detroit, Mich., assignor to Traub Manufacturing Company, Detroit, Mich.
Application February 24, 1936, Serial No. 61,304
Term of patent 14 years



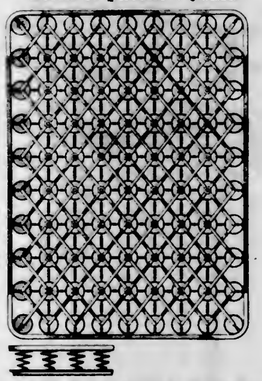
The ornamental design for a wedding ring, as shown.

99,735
DESIGN FOR A WEDDING RING
Guy A. Tomlinson, Detroit, Mich., assignor to Traub Manufacturing Company, Detroit, Mich.
Application February 24, 1936, Serial No. 61,305
Term of patent 14 years



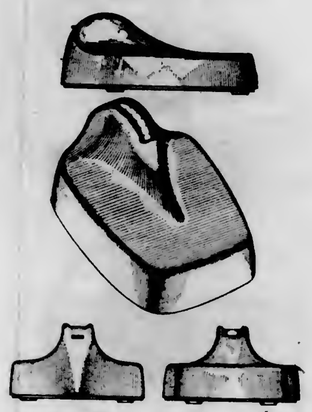
The ornamental design for a wedding ring, as shown.

99,736
DESIGN FOR A BEDSPRING
Don Carlos Travis, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a corporation of Delaware
Application June 13, 1935, Serial No. 57,252
Term of patent 7 years



The ornamental design for a bed spring, substantially as shown and described.

99,737
DESIGN FOR A WEIGHING SCALE
Russell E. Vanderhoff and Mathias J. Weber, Chicago, Ill., assignors to Continental Scale Works, Chicago, Ill., a corporation of Illinois
Application March 9, 1936, Serial No. 61,544
Term of patent 14 years



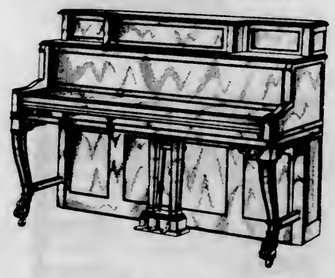
The ornamental design for a weighing scale as shown and described.

99,738
DESIGN FOR A WEIGHING SCALE
Russell E. Vanderhoff and Mathias J. Weber, Chicago, Ill., assignors to Continental Scale Works, Chicago, Ill., a corporation of Illinois
Application March 9, 1936, Serial No. 61,545
Term of patent 14 years



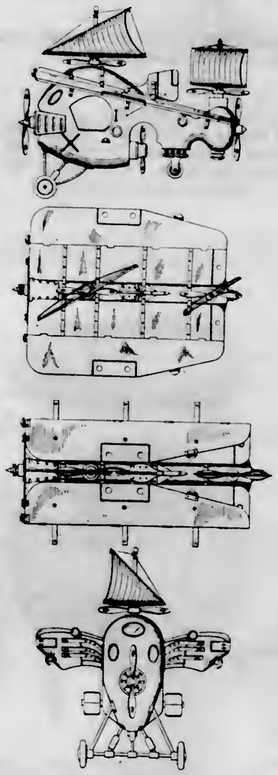
The ornamental design for a weighing scale as shown and described.

99,739
DESIGN FOR A PIANO CASE
Peter Van Dommelen, Holland, Mich., assignor to Gulbransen Company, Chicago, Ill., a corporation of Illinois
Application March 12, 1936, Serial No. 61,591
Term of patent 3½ years



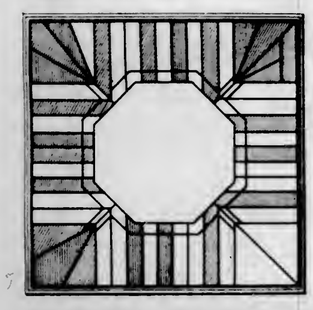
The ornamental design for a piano case, as shown.

99,740
DESIGN FOR A TAILLESS MONOPLANE WITH LONGITUDINAL SIDE WINGS
Edward F. Wagner, Philadelphia, Pa.
Application February 6, 1936, Serial No. 60,994
Term of patent 3½ years



The ornamental design for a tailless monoplane with longitudinal side wings, as shown.

99,741
DESIGN FOR A GAME BOARD OR THE LIKE
Archie L. Webber, Springfield, Mass.
Application March 3, 1936, Serial No. 61,456
Term of patent 3½ years



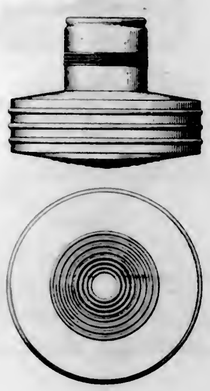
The ornamental design for a game board or the like as shown and described.

99,742
DESIGN FOR A LIGHTING FIXTURE GLOBE
Samuel S. Dauman, New York, N. Y.
Application April 10, 1936, Serial No. 62,044
Term of patent 14 years



The ornamental design for a lighting fixture globe substantially as shown.

99,743
DESIGN FOR A GLOBE FOR LIGHTING FIXTURES
John Canice Dunn, Port Jervis, and Max Klein, Brooklyn, N. Y., assignors to Gillinder Brothers, Inc., Port Jervis, N. Y., a corporation of New York
Application December 30, 1935, Serial No. 60,346
Term of patent 3½ years



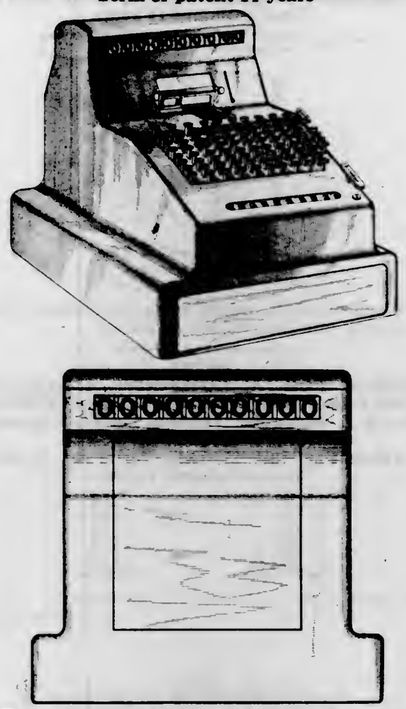
The ornamental design for a globe for lighting fixtures substantially as shown.

99,744
DESIGN FOR A GLASS GOBLET
John G. Funfrock, Morgantown, W. Va.
Application March 12, 1936, Serial No. 61,600
Term of patent 7 years



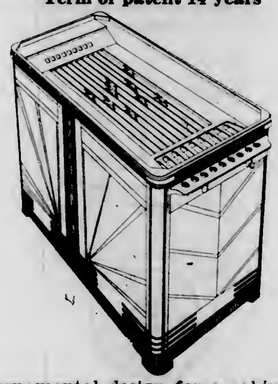
The ornamental design for a glass goblet, substantially as shown and described.

99,745
DESIGN FOR A CASH REGISTER
Max Garbell, Chicago, Ill., assignor to Victor Adding Machine Company, Chicago, Ill., a corporation of Delaware
Application December 28, 1935, Serial No. 60,324
Term of patent 14 years



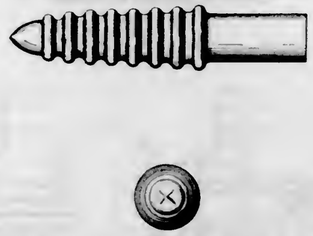
The ornamental design for a cash register substantially as shown.

99,746
DESIGN FOR A CABINET FOR COIN OPERATED SIMULATED RACE GAME
George A. Gast, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application April 8, 1936, Serial No. 62,021
Term of patent 14 years



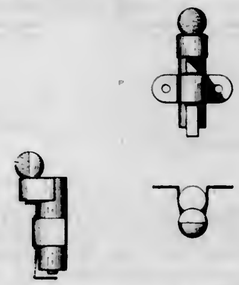
The ornamental design for a cabinet for coin operated simulated race game, as shown and described.

99,747
DESIGN FOR A DILATOR OR SIMILAR ARTICLE
August Greth, Los Angeles, Calif.
Application January 13, 1936, Serial No. 60,562
Term of patent 14 years



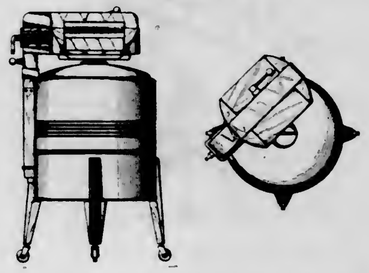
The ornamental design for a dilator or similar article, substantially as shown.

99,748
DESIGN FOR A KEYHOLE ILLUMINATOR
Jack C. Helm, Oakland, Calif.
Application March 14, 1936, Serial No. 61,637
Term of patent 7 years



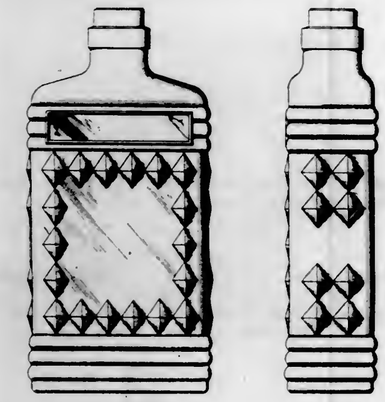
The ornamental design for a keyhole illuminator substantially as shown and described.

99,749
DESIGN FOR A COMBINATION WASHING MACHINE CASING AND WRINGER
Gustav B. Keil, St. Joseph, Mich., assignor to Nineteen Hundred Corporation, Binghamton, N. Y., a corporation of New York
Application April 2, 1936, Serial No. 61,909
Term of patent 14 years



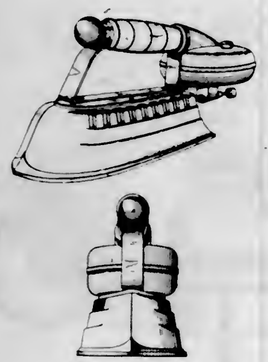
The ornamental design for a combination washing machine casing and wringer as shown and described.

99,750
DESIGN FOR A GLASS BOTTLE
William E. Mackelfresh, Jr., Chicago, Ill., assignor to Ball Brothers Company, Muncie, Ind., a corporation of Indiana
Application October 15, 1935, Serial No. 59,002
Term of patent 14 years



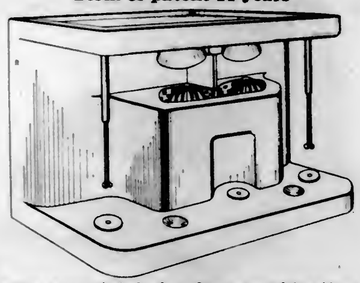
The ornamental design for a glass bottle, as shown and described.

99,751
DESIGN FOR A GASOLINE OPERATED FLATIRON AND TANK THEREFOR
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application March 27, 1936, Serial No. 61,811
Term of patent 14 years



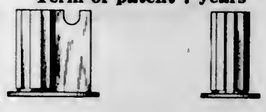
The ornamental design for a gasoline operated flatiron and tank therefor, as shown.

99,752
DESIGN FOR A COMBINATION JUICE EXTRACTOR AND FOOD MIXER
Francis John Osuch, Detroit, Mich., assignor to Robot Hand Corporation, Detroit, Mich., a corporation of Delaware
Application March 25, 1936, Serial No. 61,773
Term of patent 14 years



The ornamental design for a combination juice extractor and food mixer, as shown.

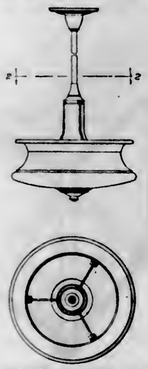
99,753
DESIGN FOR A COMBINED CIGARETTE HOLDER, ASHTRAY, AND EXTINGUISHER
Harold E. Ridewood, Victoria, British Columbia, Canada
Application July 17, 1935, Serial No. 57,690
Term of patent 7 years





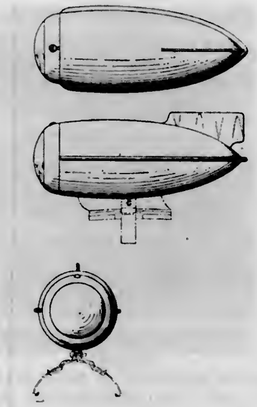
The ornamental design for a combined cigarette holder, ash tray, and extinguisher as shown.

99,754
DESIGN FOR A LIGHTING FIXTURE
Maurice W. Ross, Niles Center, and Edwin D. Tillson, Evanston, Ill.
Application March 23, 1936, Serial No. 61,743
Term of patent 14 years



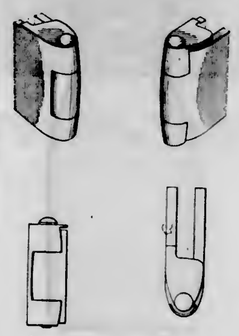
The ornamental design for a lighting fixture, as shown.

99,755
DESIGN FOR A LAMP
Lee M. Wiley, Marion, Ind., assignor to Delta Electric Company, Marion, Ind., a corporation of Indiana
Application April 1, 1936, Serial No. 61,894
Term of patent 7 years



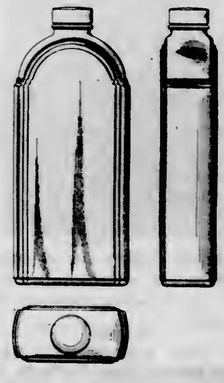
The ornamental design for a lamp substantially as shown.

99,756
DESIGN FOR A HINGE
James T. Atwood, Rockford, Ill.
Application March 1, 1935, Serial No. 55,682
Term of patent 14 years



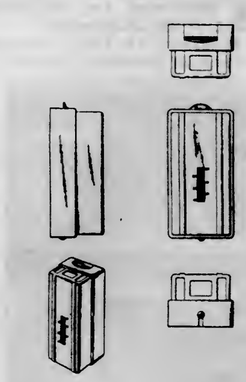
The ornamental design for a hinge, substantially as shown.

99,757
DESIGN FOR A BOTTLE
Ronald H. Dallas, Southgate, Calif., assignor to Glass Containers, Inc., Los Angeles, Calif., a corporation of California
Application November 25, 1935, Serial No. 59,733
Term of patent 7 years



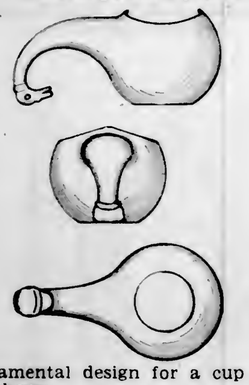
The ornamental design for a bottle as shown and described.

99,758
DESIGN FOR A CASING FOR THERMOSTATS OR SIMILAR ARTICLES
Lyle S. Houghton, Des Moines, Iowa, assignor to Penn Electric Switch Co., Des Moines, Iowa, a corporation of Iowa
Application November 18, 1935, Serial No. 59,630
Term of patent 7 years



The ornamental design for a casing for thermostats or similar articles, substantially as shown and described.

99,759
DESIGN FOR A CUP OR SIMILAR ARTICLE
Sasha Katchamakoff, Los Angeles, Calif.
Application October 8, 1935, Serial No. 58,884
Term of patent 7 years



The ornamental design for a cup or similar article, as shown.

99,760
DESIGN FOR A COVERED BUTTON
Jack Kowal, New York, N. Y.
Application April 9, 1936, Serial No. 62,035
Term of patent 3½ years



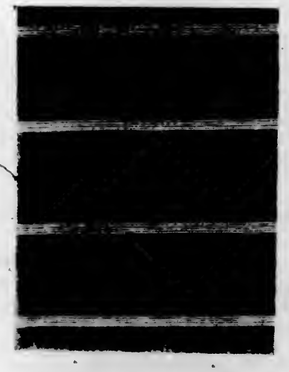
The ornamental design for a covered button substantially as shown and described.

99,761
DESIGN FOR TEXTILE FABRIC
George H. Perkins, Wellesley, Mass., assignor to Powdrell & Alexander, Inc., Danielson, Conn., a corporation of Massachusetts
Application February 21, 1936, Serial No. 61,278
Term of patent 3½ years



The ornamental design for textile fabric, substantially as shown.

99,762
DESIGN FOR TEXTILE FABRIC
George H. Perkins, Wellesley, Mass., assignor to Powdrell & Alexander, Inc., Danielson, Conn., a corporation of Massachusetts
Application February 21, 1936, Serial No. 61,279
Term of patent 3½ years



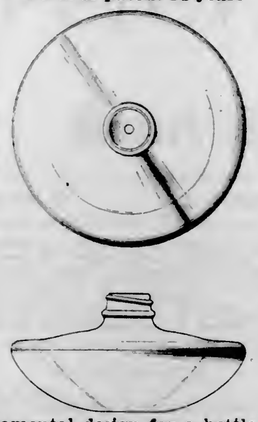
The ornamental design for textile fabric, substantially as shown.

99,763
DESIGN FOR A BOTTLE
Joseph M. Sansby, St. Paul, Minn.
Application January 25, 1936, Serial No. 60,801
Term of patent 14 years



The ornamental design for a bottle substantially as shown and described.

99,764
DESIGN FOR A BOTTLE
David Trompeter, New York, N. Y.
Application July 13, 1935, Serial No. 57,613
Term of patent 14 years



The ornamental design for a bottle as shown.

99,765
DESIGN FOR A TEXTILE FABRIC
Morton D. Kornfeld, New York, N. Y.
Application April 28, 1936, Serial No. 62,345
Term of patent 3½ years



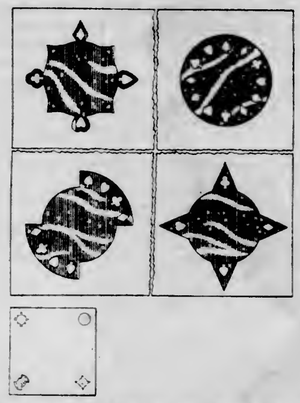
The ornamental design for a textile fabric, substantially as shown, and described.

99,766
DESIGN FOR A TEXTILE FABRIC
Hans W. Wilde, North Bergen, N. J.
Application April 28, 1936, Serial No. 62,346
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown, and described.

99,767
DESIGN FOR A TABLE COVERING OR SIMILAR ARTICLE
Charles Emmey, New York, N. Y.
Application March 23, 1936, Serial No. 61,734
Term of patent 7 years



The ornamental design for a table covering or similar article, substantially as shown and

Patents Nos. 2,041,632 to 2,042,447

THE OFFICIAL GAZETTE
OF THE
United States Patent Office

Vol. 466—No. 4 TUESDAY, MAY 26, 1936 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable, and all communications respecting the Gazette should be addressed. Issued weekly. Subscription, $6.00 per annum, including annual index, $10.75; single numbers, 25 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
Issue of May 26, 1936	739
U. S. Court of Customs and Patent Appeals—Rules—Amendments	739
Adverse Decisions in Interference	739
Applications Under Examination	740
Decisions of the U.S. Courts—	
Davies v. Coe, Commissioner of Patents	741
In re Seelig and Wheeler	742
In re Maroody	743
Patent Suits	744
Disclaimers	745
Changes in Classification	745
Notices of Cancellation	746
Briefs in Appealed Cases	746
Bulletin of Decisions of Patent Office on Trade-Marks, Labels, and Prints	747
Trade-Marks Published (316 Applications)	751
Trade-Mark Registrations Granted	776
Trade-Mark Registrations Renewed	784
Labels	785
Prints	786
Reissues	787
Patents Granted	791
Designs	961

May 26, 1936

Trade-Marks	183—No.	335,084 to No.	335,266, inclusive.
T. M. Renewals	44		
Labels	2—No.	47,491 to No.	47,492, inclusive.
Prints	3—No.	15,708 to No.	15,710, inclusive.
Reissues	14—No.	19,977 to No.	19,990, inclusive.
Patents	786—No.	2,041,632 to No.	2,042,447, inclusive.
Designs	72—No.	99,788 to No.	99,859, inclusive.
Total	1,084		

U. S. Court of Customs and Patent Appeals—Rules—Amendments

The following amendments to the Rules of the United States Court of Customs and Patent Appeals, adopted since the 1931 Edition of the Rules, are published for the information of those concerned.

March 7, 1933.

Add a new paragraph to Rule I as follows:

4. The office of said clerk shall be open for the transaction of business on every day except Sundays and legal holidays from 9:00 o'clock a. m. to 4:30 o'clock p. m., except on Saturdays, when it shall be open from 9:00 o'clock a. m. to 1:00 o'clock p. m.

Note.—In connection with the above rule, arrangements have been made whereby parties or attorneys desiring to file papers when the office of the clerk may be closed, may deliver the same at the office of the Captain of the Guard, at the main entrance of the Internal Revenue Building on Constitution Avenue, where they will be retained and delivered to the clerk, and filed as of the date of their receipt in the said office of the Captain of the Guard.

June 6, 1934, and July 25, 1934.

Amend Rule XXVII by omitting section 3 (d) thereof and by renumbering section 3 (e) as 3 (d).

Amend Rule VIII (c) of the general rules of the court by substituting the following language therefor:

Citations

Whenever a decision of this court shall be cited in a brief, the reference shall include the volume and page of the United States Court of Customs and Patent Appeals Reports or of the Federal Reporter wherein the same has been published.

Rule V of the United States Court of Customs and Patent Appeals has been amended by substituting for the schedule of fees heretofore appended thereto, the following revised table of fees, said amendment being effective as of January 14, 1935:

1. There shall be paid for each admission to practice, including certificate thereof	$2.00
2. For each certificate under seal	1.00
3. For making or copying any record or other paper and certifying the same, per folio of 100 words	.15
4. For filing and docketing each customs appeal, $6, this fee to be in full of all fees in the case: *Provided*, That when an appeal is taken by the United States, no payment of fees shall be required	6.00
5. For filing and docketing each patent appeal $12, this fee to be in full of all fees in the case, except the charge for preparing and supervising the printing of the record	12.00
6. For preparing the record or transcript in patent cases for the printer, or such parts thereof as may be required under the rules of the court: indexing the same, supervising the printing thereof, and distribution of copies under the rules, to be paid for by appellant, for each printed page of the record twenty-five cents, *Provided*, That where the necessary copies of any record as printed for the use of any of the tribunals of the United States Patent Office are furnished, charges under this item will be limited to any additions printed here under the clerk's supervision	.25
7. For certifying a printed record	2.00
8. The fees and costs to be allowed the marshal shall be, and hereby are, fixed the same as those allowed the marshal of the Supreme Court of the United States.	

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,894,686, G. B. Scheibell, Oscillation generator, decided April 15, 1936, claims 1, 2, 3, and 6.

Pat. 2,005,532, G. O. Brumm, Oil burner, decided April 27, 1936, claims 1, 2, and 3.

Condition of Applications Under Examination at Close of Business May 9, 1936

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 72,196; Trade-Mark Division, 1,579. Oldest new case, January 11, 1926; oldest amended, January 11, 1936.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6634	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Mar. 2	Mar. 12	333
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Velocipedes; Butchering; Bee Culture.	Jan. 24	Jan. 21	798
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Feb. 13	Feb. 10	537
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Feb. 10	Feb. 10	493
3628	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc	Feb. 14	Feb. 19	491
4898 C	6. LEWERS, A. M., Carbon Chemistry	Feb. 21	Feb. 19	478
5725	7. JARBOE, C. G., Optics; Photography	Feb. 25	Feb. 25	718
3889	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Mar. 5	Mar. 4	419
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Mar. 18	Mar. 19	322
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Mar. 11	Mar. 20	283
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Feb. 15	Feb. 19	460
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms.	Feb. 10	Feb. 10	455
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Mar. 11	Mar. 11	342
6097	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Feb. 4	Feb. 4	601
4897	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	Feb. 25	Feb. 25	702
5612	16. SPENCER, C. J., Telegraphy; Telephony	Feb. 10	Feb. 10	528
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Feb. 10	Feb. 10	612
4612	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Jan. 28	Jan. 27	430
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Feb. 10	Feb. 10	559
6613	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking	Feb. 11	Feb. 13	319
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Feb. 11	Feb. 19	511
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Feb. 13	Feb. 13	524
7624	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	Jan. 22	Jan. 11	508
5063	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Feb. 24	Feb. 24	443
5789	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Feb. 11	Feb. 10	518
7693	26. ADAMS, W. M., Electricity, Generation; Motive Power	Mar. 2	Mar. 3	310
6708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	Feb. 10	Feb. 14	449
4628	28. BENSON, A. R., Internal-Combustion Engines	Feb. 10	Jan. 27	409
5082	29. SHKLARIN, J. B. (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Supports, Tables.	Mar. 3	Mar. 6	354
4074	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Feb. 10	Feb. 10	544
4716	31. DUNCOMBE, C. S. (Act.), Gas, Heating and Illuminating; Mineral Oils	Feb. 15	Feb. 12	456
4089	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Feb. 26	Feb. 27	435
6096	33. WYMAN, W. L., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads and Pavements.	Feb. 21	Mar. 5	499
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Feb. 12	Feb. 12	354
3600	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Filling and Closing Portable Receptacles.	Feb. 3	Feb. 5	548
7802	36. McFADYEN, A. D., Measuring Instruments; Force Measuring; Automatic Weighers	Mar. 18	Mar. 19	224
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Feb. 10	Feb. 10	529
7510	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stone-working; Wells; Plastic Compositions.	Feb. 13	Feb. 18	393
4872	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Mar. 11	Mar. 20	265
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Jan. 24	Jan. 30	995
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Feb. 13	Feb. 10	504
5882	42. CUTTING, H. O., Electric Signaling	Feb. 12	Feb. 7	366
4886 B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Feb. 15	Feb. 15	659
4087 B	44. SHAFFER, C. H., Refrigeration; Dispensing Beverages	Feb. 10	Feb. 10	565
7097	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Mar. 9	Mar. 16	262
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements.	Feb. 21	Feb. 21	404
7600	47. BARKER, H., Clutches; Brakes	Feb. 21	Feb. 19	474
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Feb. 12	Feb. 12	448
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Mar. 14	Mar. 9	402
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	Jan. 24	Jan. 24	914
5628	51. BACKUS, C. D., Radiant Energy	Mar. 5	Mar. 5	544
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housings; Laminated Packing.	Feb. 14	Feb. 20	476
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Feb. 10	Feb. 10	640
5874	54. WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	Feb. 14	Feb. 14	397
6887	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Jan. 11	Jan. 17	825
4725	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation	Feb. 18	Feb. 14	716
3625	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Exercising Devices.	Mar. 4	Mar. 10	282
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Feb. 10	Feb. 14	396
4709	59. RICHARD, V. I., Chemistry; Fertilizers	Feb. 24	Mar. 4	582
5894	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Mar. 9	Mar. 9	267
6724	61. PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus.	Feb. 6	Feb. 24	290
3676	62. COCHRAN, W. W., Games; Geometrical Instruments	Feb. 24	Mar. 2	404
4888	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	Feb. 10	Feb. 10	439
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel; Alcohol.	Feb. 22	Feb. 18	676
5634	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Jan. 17	Jan. 17	618
2099 B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND (Trade-Marks	Apr. 8	Apr. 20	1,287
	(Labels and Prints	Apr. 6	Apr. 20	292
2605	DESIGNS, H. H. KALUPY (Act.)	Apr. 10	Apr. 17	526

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

DAVIES *v.* COE, COMMISSIONER OF PATENTS

No. 6,592. Decided March 30, 1936

PATENTABILITY—HAIR REMOVER AND METHOD.

Claims for a hair remover and claims for method of removing superfluous hair, *Held* patentable over the prior art.

APPEAL from the Supreme Court of the District of Columbia. Reversed.

Mr. Joseph H. Milans and *Mr. Needham C. Turnage* for Davies.

Mr. R. F. Whitehead for the Commissioner of Patents.

Before MARTIN, Chief Justice, and ROBB, VAN ORSDEL, GRONER, and STEPHENS, Associate Justices

ROBB, *A. J.:*

Appeal from a decree in the Supreme Court of the District dismissing appellant's bill, filed under section 4915, Revised Statutes, as amended (35 U. S. C. A. sec. 63), to authorize the issuance of a patent.

Appellant seeks a decree authorizing appellee to issue to him a patent for a superfluous hair remover. Claims 14 to 22, inclusive, are involved. Of these, 14 to 17, inclusive, are for an article of manufacture; and claims 18 to 22, inclusive, are for the method.

Claims 14 and 18, illustrative of the two groups, are here reproduced:

"14. An article of manufacture, comprising a hair remover for personal use, including a flexible carrier adapted to be rubbed over the hairy surface and having on its face an abrasive substance adapted to engage and break down the hair structure, said material being of a fineness and character to interengage with the hair structure but in normal use incapable of scratching or impairing the skin, and said flexible carrier being adapted to be held by the hand and conform under pressure of the latter to the hairy surface over which it is moved.

"18. The method of removing superfluous hair from the body, consisting in applying over the hairy surface an element having a layer of abrasive material of a fineness and character to interengage with the hair structure but in normal use incapable of scratching or impairing the skin, and gently rubbing the same over the hairy surface under a pressure to effect the breaking down of the hair structure without marring the skin."

The article of manufacture is a flexible abrasive paper adapted to be rubbed over a hairy surface, the abrasive substance being of such fineness and character as to engage and break down the hair structure without scratching or impairing the skin.

The Patent Office tribunals rejected these claims on two references—British patent to Crossley, No. 6,089 (1886), and the United States patent to Bligh, No. 646,065 (1900).

The Crossley patent discloses an abrasive sheet coated with pumice-stone (a volcanic substance).

The Bligh patent discloses a "Shaving device" consisting of a handle supporting a frame, within which is mounted a roller.

"The periphery of the roller [according to the specification] has an abrading-surface, preferably of emery, which surface may be formed on the roller, or, if desired, a strip of emery paper or cloth of suitable size, as shown at B, may be secured around the roller."

The roller is rotated by an auxiliary device. Again quoting from the specification,

"The abrading surface of the roller is held in contact with the face of the user and the roller given a continuous rotary motion at a high rate of speed and the roller moved over the face as the beard is worn away, the device to be used on a perfectly-dry face, no soap or water being used."

It does not appear that the Bligh device, although patented 35 years ago, was ever manufactured. The fact that it has not been manufactured, in view of the great demand for a shaving device, is convincing proof that it is valueless,—merely an impractical idea. If the Bligh patent is suggestive of appellant's structure and method, it is strange that 35 years should have elapsed since the date of that patent before the public demand should have been met. It is in evidence that appellant's device has achieved great commercial success and that it is being sold "in every nation on the globe." Evidence of great utility may in some circumstances be accepted as evidence of invention. *Wach v. Coe*, 77 F.(2d) 113, 64 App. D. C. 235. Patents have been obtained in France, England, and Canada. It is a far cry from the Bligh theoretical and impractical shaving device, consisting of a rapidly revolving abrasive roller, to appellant's abrasive which has been demonstrated to be practical and useful in removing superfluous hair.

Crossley in his patent of 50 years ago states that his invention relates to "emery and glass cloth and paper" and "polishing paper and cloth." He nowhere suggests that any of those materials would be suitable for breaking down hair and removing same from the human body without harm to the skin. The disclosure of a foreign patent is to be measured not by what may be made out of it, but what is clearly and definitely expressed in it. *In re Ek*, 19 F.(2d) 677, 57 App. D. C. 203; *Carson v. American Smelting & Refining Co.*, (C. C. A.) 4 F.(2d) 463. Appellant's method differs radically from Bligh. In fact, in the light of appellant's successful disclosure it may be said that Bligh has taught the art what not to do instead of what to do. Under appellant's method his abrasive material is gently rubbed over a hairy surface "under a pressure to effect the breaking down of the hair structure without marring the skin." It is apparent that should the Bligh abrasive roller be held in contact with the skin and rotated at a high rate of speed the skin would be blistered and marred, if not destroyed. Applied to tenderer skin on parts of the body other than the face, the effect would be more severe.

We are clearly of the view that the Bligh patent, even when combined with the Crossley patent, does not anticipate appellant's disclosure.

Decree reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

IN RE SEELIG AND WHEELER

No. 3,877. Decided February 17, 1936

[81 F.(2d) 753]

PATENTABILITY—BUBBLE TRAY AND SUPPORTING MEANS THEREFOR.

Claims for a bubble tray and means including wedge blocks for supporting the same in a fractionating tower *Held* patentable over reference in same art showing such trays supported by belts and nuts, notwithstanding teaching of references from other arts of use of wedge blocks as securing means since "appellants have applied a mechanical power to a new use in a manner which concededly has brought a valuable result."

APPEAL from the Patent Office. Reversed.

Mr. Edward B. Beale, Mr. Bruce K. Brown, Mr. Donald E. Payne and *Mr. Frederick H. Untiedt* for Seelig and Wheeler.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GARRETT, *J.*:

In this appeal there are involved five claims, numbered 19 to 22, inclusive, and 25, of an application for patent filed in the United States Patent Office, entitled, "Improvements in Bubble Trays and Method of Assembling Same."

Twelve claims of the application stand allowed. All the claims at issue here are product claims. They were rejected by the Examiner as presenting nothing patentable over prior art. The Examiner's decision was affirmed by the Board of Appeals and appeal was then taken to this court.

The subject matter seems very well illustrated in claim No. 19. It reads:

19. In a fractionating tower, a tray provided with means for effecting gas and liquid contact thereon, said tray having an upwardly extending rim around the periphery thereof, means for supporting said tray in said tower and means for wedging the rim of the tray adjacent the wall of the tower, said means comprising wedge-shaped blocks placed at a plurality of points around the periphery of the tray.

Three references are cited, viz: Squintani, 228,410, June 1, 1880; Stungo, 1,351,587, Aug. 31, 1920; Alexander, 1,796,135, Mar. 10, 1931.

The reference principally relied upon is the patent to Alexander. It is the only patent cited that relates to bubble towers.

As presented here, the issue is a narrow one. It is confined to means comprising wedge-shaped blocks by which the rim of the tray is wedged adjacent the inner wall of the tower, the blocks being inserted at a plurality of points around the periphery of the tray. Structural features requisite to the insertion and use of wedges in this particular field are provided.

In general, it may be said that bubble towers are vertical cylindrical columns, sometimes as much as 16 feet in diameter, which are internally divided into zones by means of a plurality of trays horizontally disposed, placed one above the other, and spaced apart at distances which admit of the entrance of workmen to remove the trays when it becomes necessary to clean off the coke and tar deposits that accumulate upon them in the process of rectifying petroleum and the like.

Normally, annular ledges are either riveted or welded to the inner wall of the tower and the trays rest upon these ledges. In the Alexander patent the trays are fastened to the ledges by means of nuts and bolts and, when it becomes necessary to remove the trays for cleaning, these nuts and bolts must be removed. Appellants' specification teaches that the nuts and bolts become covered with coke and tar and often corrode, rendering their removal extremely difficult for a workman laboring in a space so restricted that he must recline upon one tray while removing the tray above it.

Appellants have substituted wedges for the nuts and bolts of the prior art. These wedges may be driven out with proper tools and the task of removing the trays is thus rendered easier of accomplishment.

It is, of course, a matter of common knowledge that wedge-shaped blocks have been used as holding means in a great variety of arts from time immemorial, and the respective patents to Squintani and Stungo, cited by the Examiner, illustrate such use in certain fields.

The patent to Squintani relates to printers' quoins and discloses a pair of quoins, each pair made of wedge-shaped parts, by means of which type forms are locked within chases and securely held for the printing operation.

The patent to Stungo relates to a demountable-rim construction in which a tire rim is held in place by means of wedge-shaped pieces.

It should be said that the rejection of the claims here at issue was not based upon the two last named patents, nor were they combined with the patent to Alexander to form an anticipation. The rejection was based upon the view that the use of wedge-shaped blocks as holding means is such a common expedient that substitution of them for the securing means used by Alexander does not involve invention.

As has been stated, Alexander fastens his trays to the ledge by means of nuts and bolts. It should be further stated that his patent also teaches the use of an expansive packing material inserted in such a manner between the tray edge and a ring element as to render the latter "for all practical purposes" a unitary part of the tray. Also it teaches the use of an expansive packing material inserted between the tray and the tower wall, and to this the tribunals of the Patent Office seem to attribute "a holding or wedging effect."

It is taught in the specification of appellants' application that it is common practice to make the trays for bubble towers in sections and that in the prior art the sections were bolted together. Appellants devised a system of wedging these sections together instead of bolting them, and the allowed claims seem to relate chiefly to this feature, although one (No. 28) relates to structure incident to wedging the tray to the tower wall. This claim is somewhat narrower than the claims on appeal.

It is not questioned that appellants were the first to apply wedges in securing trays to the walls of bubble towers, nor is it questioned that theirs is a valuable contribution to the art.

We are unable to detect any analogy whatsoever between the expansive packing material of the Alexander patent and the wedge structure of appellants. The teaching of Alexander is that said material is used for sealing, and, even if some wedging effect is inherent in it as used, we are unable to see wherein it, in any way, facilitates the removal of the trays which is apparently the fundamental object sought and obtained by appellants with their wedge system.

Fully appreciating the fact that the use of wedge-shaped blocks for holding parts of devices together is old, we nevertheless feel constrained to differ with the tribunals of the Patent Office upon the issue here involved.

Appellants have applied a mechanical power to a new use in a manner which concededly has brought a valuable result and we are of opinion that they are entitled to a protection as broad as that which will be secured in the appealed claims.

Accordingly, the decision of the Board of Appeals, affirming that of the Examiner, is reversed.

Reversed.

U. S. Court of Customs and Patent Appeals

IN RE MACREADY

No. 3,982. Decided February 17, 1936

81 F.(2d) 551

PATENTABILITY—REISSUE APPLICATION—CLAIM NOT SUPPORTED BY DISCLOSURE IN ORIGINAL APPLICATION.

A claim of reissue application for apparatus for obtaining samples from drilled wells, reciting a sample-receiving pipe closed as it is lowered into the well and means for controlling an inlet thereto *Held* properly rejected as not supported by disclosure in original application of use of compressed air for controlling entry of fluid into such pipe.

APPEAL from the Patent Office. Affirmed.

No appearance for Macready.

Mr. R. F. Whitehead and *Mr. H. S. Miller* for the Commissioner of Patents.

GARRETT, *J.*:

On February 7, 1933, the United States Patent Office issued to appellant Macready a patent, No. 1,896,522, entitled "Apparatus for Obtaining Samples from Drilled Wells," the patent being based upon an application filed July 5, 1922, and renewed October 10, 1927. As allowed the patent contains seven claims.

On February 10, 1926, one John T. Simmons filed an application, which, on October 17, 1933, matured into Patent No. 1,930,967, entitled "Method and Apparatus for Testing the Productivity of Formations Encountered in Wells." This patent contains 19 claims.

On February 2, 1934, appellant filed application, Serial No. 709,518, for the reissue of his patent, No. 1,896,522 and, for interference purposes, copied a number of the claims allowed in the patent to Simmons, among them being a claim which reads:

An apparatus for testing the productivity of a formation in a well containing drilling fluid, comprising a string of pipe to be lowered into the well through the drilling fluid to adjacent the formation to receive a fluid sample therefrom and to be raised out of the well to remove the entrapped sample, said pipe being closed against the flow of the drilling fluid as the pipe is lowered into the well, a packer carried by the pipe as the pipe is lowered into the well and adapted to be seated by manipulation of the pipe to seal off the well above the formation, said packer adapted to be positively pressed against the walls of the formation to seal off the same, an inlet to the pipe communicating with the well below the point at which the packer seals off the well, and means for controlling the inlet to permit fluid from the formation to enter the pipe while the packer is set and to prevent fluid from entering the pipe after the packer is released and the pipe is being raised out of the well.

The foregoing, which is claim 19 of the Simmons patent, became claim No. 8 of appellant's reissue application. It was held by the Examiner that appellant's application failed to disclose the subject matter of the claim and the Board of Appeals sustained the rejection upon that ground. Thereupon appeal was taken to this court.

Under the decision of the Board the only references to be considered by us in relation to this, the only appealed claim, are the respective patents to appellant and Simmons above mentioned.

The brief of appellant says:

Appellant's specification in the application for re-issue is an exact photographic copy of the specification of his original patent, Number 1,896,522 without the slightest change.

The issue to be determined here is, therefore, limited to the question of whether the claim above quoted reads upon the disclosure made by appellant in his original application. In other words, is appellant entitled to make the claim?

It appears that in the process of drilling wells, such as oil wells, the hole or bore is usually kept filled with a mud laden fluid, frequently referred to as "the drilling fluid." This fluid serves the double purpose of carrying away the detritus formed by the cutting bit and maintaining hydraulic pressure upon the sides of the hole which prevents caving. Where the wells are deep, the boring carries the hole through various strata formations and water streams, and it is desirable frequently to take samples from the well bottom in order to ascertain whether a satisfactory oil bearing stratum has been reached. Such samples, as of course, must be as free as possible of the drilling fluid and the water encountered in drilling, and, broadly, the end sought by both appellant and Simmons is that of securing uncontaminated samples.

It is believed that the claim itself is so clear in defining the elements of structure that no extraneous explanation of it need be attempted by us. It requires a string of pipe, sometimes called "the tester pipe," to be lowered into the well through the drilling fluid. When this pipe reaches the bottom of the well it receives the sample, by means not here at issue, and is then withdrawn. The claim recites, "said pipe being closed against the flow of the drilling fluid as the pipe is lowered into the well," and elsewhere it makes the requirement of an inlet to the pipe at a point described, and, in the last clause requires "means for controlling the inlet * * * to prevent fluid from entering the pipe after the packer is released and the pipe is being raised out of the well."

It is pointed out in the brief of the Solicitor for the Patent Office that there is such an interrelationship between the clauses above quoted as that they really amount to only a single limitation. This seems substantially correct since, if the pipe is to be operated in closed condition, means to control the inlet near the bottom are essential.

The Examiner denied the claim to appellant because of the above limitation, or limitations, holding that "applicant's apparatus does not show any means for closing the pipe against the flow of the drilling fluid," and saying also: "As based on the original specification, applicant never intended to have any pipe of such character."

In affirming the Examiner the Board not only approved the foregoing but, going further, declared that to operate appellant's pipe in closed condition "would be a method of operation entirely contrary to that described in the original disclosure."

There was no oral argument on behalf of appellant before us but *in personam* he filed a brief which has received our careful study in connection with the Simmons patent and appellant's own disclosures.

It seems unnecessary here to enter upon a detailed explanation of the Simmons device. Such may be found in the statement of the Examiner made following the appeal to the Board of Appeals, and its correctness is not challenged. It is sufficient to say that Simmons shows certain valves positioned so that they perform the functions of closing the pipe against the flow of the drilling fluid and controlling the inlet as required.

A most careful study of appellant's specification and drawings fails to reveal any physical means, such as the valves of Simmons, for effecting closure of the pipe as it is being lowered through the drilling fluid, nor anything equivalent to Simmons' means for controlling the inlet, and closing the pipe as it is being raised.

Appellant's teaching, upon the point here in issue, seems to us to be limited to the use of compressed air turned into the well at its head in a manner described in his specification. By means of this the drilling fluid may be kept out of the tester pipe, but this does not *close* the tester pipe either as it is being lowered or as it is being raised, and this method, we think, cannot properly be construed as meeting the requirement of an apparatus claim for structure which actually closes the pipe.

The decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

726,548, H. Lemp, Charging device for storage batteries; 798,588, F. P. Cox, Charging device for electro-mobiles; 931,704, C. F. Patterson, Supervisory-signal system; 1,414,910, R. Watson, Means for indicating stopping, idling, and working times of automobile engines; 1,415,004, same, Time indicator for automobiles; 1,510,612, E. J. Skaer, Automatic parking indicator; 1,714,157, W. A. Clark, Parking indicator for automobiles; 1,731,889, R. W. Babson, Check controlled apparatus for measurement payment of intangible values; 1,924,533, same, Automobile parking meter with theft alarms; 2,006,619, 1,973,275, same, Automatic parking meter; 2,028,037, same, Parking register; 1,745,944, J. B. Morton, Jr., Automobile parking signal; 1,752,071, C. C. Doyle, Means for regulating the use of street parking space; 1,879,438, F. E. Ogilvie, Parking device; 1,924,564, E. L. Nichols, Parking meter; 2,015,607, L. D. Shinn, Parking stall for vehicles, filed Mar. 9, 1936, D. C., W. D. Okla. (Oklahoma City), Doc. E 1837, *Parkrite Corp. v. C. C. Magee, et al.*

798,588. (See 726,548.) 931,704. (See 726,548.)

1,227,481, W. L. Morris, Lubricating mechanism; 1,632,724, E. J. Bloom, Terminal construction for central lubricating installations; 1,632,767, same, Chassis lubrication; 1,632,771, 1,746,139, J. Bijur, Lubricating installation; 1,732,828, 1,734,026, 1,734,027, 1,632,772, same, Flow control fitting; 1,732,212, same, Chassis lubricating installation, D. C. Dela., Doc. E 761, *Auto Research Corp. v. The Bassick Mfg. Co.* Dismissed Mar. 10, 1936.

1,262,860, S. B. Smith, Incubator, D. C., W. D. Mich., S. Div., Doc. E 2711, *S. B. Smith v. H. Van Koevering, et al.* Consent decree Mar. 19, 1936.

1,266,747, R. Zahn, Automatic embroidering machine, C. C. A., 3d Cir., Doc. 5541, *A. Rietzsch v. D. Paradis, et al.* Patent held valid and infringed Mar. 19, 1936.

1,385,741, J. W. Dillon, Sound deadener for building structures, appeal filed Dec. 31, 1935, C. C. A., 2d Cir., Doc. 14437, *Guaranty Trust Co. of N. Y. et al. v. Johns-Manville Corp.* (To correct error in 464 O. G., p. 7, originally published as 1,726,500).

1,411,376, R. B. Respess, Process of making a leather substitute, appeal filed Mar. 14, 1936, C. C. A., 2d Cir., Doc. 14608, *Respro, Inc., v. Star Backing Co., Inc., et al.*

1,414,910. (See 726,548.) 1,415,004. (See 726,548.)

1,423,956, Mitchell & White, Tipless incandescent lamp, D. C., S. D. N. Y., Doc. E 76/357, *General Electric Co. v. Elite Import Co., Inc., et al.* Consent decree for plaintiff (notice Mar 20, 1936).

1,505,942, E. S. Blanton, Art of producing manikin actors, filed Mar. 13, 1936, D. C., S. D. Calif. (Los Angeles), Doc. E 869-Y, *P. W. Blanton v. Twentieth Century-Fox Film Corp. et al.*

1,510,612. (See 726,548.)

1,539,274, R. E. Rundell, Cigar wrapper delivering means; 1,543,874, same, Safety cigar wrapper cutter; 1,608,071, same, Cigar wrapping mechanism; 1,785,822, G. H. Snyder, Cigar machine; 1,899,194, J. F. Halstead, Cigar heading device, D. C., S. D. N. Y., Doc. E 79/350, *International Cigar Machine Co. v. Arenco Machine Co., Inc.* Dismissed without prejudice Mar. 5, 1936.

1,540,405, G. J. Kromer, Cap, filed Mar. 17, 1936, D. C. Wis. (Milwaukee), Doc. 4861, *Kromer Cap Co. v. J. C. Penney Co., Inc.*

1,543,874. (See 1,539,274.)

1,576,875, J. M. Spinks, Attachment for weighing scales, D. C., N. D. Ga. (Atlanta). Doc. B 802, *J. M. Spinks v. J. E. Perkins.* Dismissed without prejudice (notice Mar 21, 1936).

1,608,071. (See 1,539,274.) 1,632,724. (See 1,227,481.)

1,632,767. (See 1,227,481.) 1,632,771. (See 1,227,481.)

1,632,772. (See 1,227,481.)

1,687,510, M. Pipkin, Electric lamp bulb, filed Nov. 30, 1932, D. C., S. D. N. Y., Doc. E 73/2, *General Electric Co. v. W. Thomashower (Thomas Import Co.).*

1,687,625, K M. MacKenzie, Toilet preparation, D. C., S. D. N. Y., Doc. E 76/219, *J. S. Berliner v. Dennison Mfg. Co.* Order on consent dismissing suit (notice Mar. 21, 1936).

1,705,171, B. Avron, Combination undergarment, filed Mar. 17, 1936, D. C., S. D. N. Y., Doc. E 82/268, *Thomas & Marcus, Inc., v. Debutante Lingerie Corp.*

1,714,157. (See 726,548.)

1,726,107, G. L. Herts, Electric discharge tube, appeal filed Mar. 23, 1936, C. C. A., 2d Cir., Doc. 14625, *Claude Neon Lights, Inc., v. Rainbow Light, Inc.*

1,731,839. (See 726,548.) 1,732,212. (See 1,227,481.)

1,732,828. (See 1,227,481.) 1,734,026. (See 1,227,481.)

1,734,027. (See 1,227,481.) 1,745,944. (See 726,548.)

1,746,139. (See 1,227,481.) 1,752,071. (See 726,548.)

1,777,256, J. C. Daley, et al, Transformer, filed Mar. 23, 1936, D. C., N. D. Ohio (Cleveland), Doc. E 5431, *Jefferson Electric Co. v. France Mfg. Co.*

1,781,672, E. B. Working, Chocolate material and process of making same, D. C., E. D. N. Y., Doc. E 7910, *American Lecithin Co. v. F. Bischoff, Inc.* Consent decree for plaintiff Mar. 18, 1936.

1,785,822. (See 1,539,274.)

1,818,216, O. Federbusch, Fountain pen, D. C., N. D. Ohio, E. Div., Doc. 5120, *O. Federbusch, et al. v. The Conklin Pen Co. et al.* Dismissed Mar. 18, 1936.

1,819,909, V. Massacese, Bed spring brace, filed Mar. 18, 1936, D. C., E. D. N. Y., Doc. E 7923, *V. Massacese v. Atlas Bed Spring Co., Inc.* Doc. E 7883, *V. Massacese v. L. & M. Bed Spring Co., Inc.* Consent decree for plaintiff Mar. 18, 1936.

1,850,813, R. C. Smalley, Fuse; 1,927,369, C. E. Kriegstedt, Renewable fuse; 1,927,371, 1,957,345, same, Fuse; 1,927,334, C. H. Cole, same; 1,927,335, same, Cartridge fuse, filed Mar. 3, 1936, D. C., S. D. N. Y., Doc. E 82/226. *Indicating Fuse Mfg. Corp. v. Lamar Indicating Fuse Corp. et al.*

1,865,995, A. L. Wurster, Cravat holder, filed Mar. 21, 1936, D. C., R. I., Doc. 532, *Wreal Cravat Holder Co., Inc., et al. v. B. J. Lally.*

1,879,438. (See 726,548.) 1,899,194. (See 1,539,274.)

1,924,533. (See 726,548.) 1,924,564. (See 726,548.)

1,927,334. (See 1,850,813.) 1,927,335. (See 1,850,813.)

1,927,369. (See 1,850,813.) 1,927,371. (See 1,850,813.)

1,957,345. (See 1,850,813.) 1,978,275. (See 726,548.)

1,984,973, S. Krasnov, Slip cover for furniture, filed Mar. 10, 1936, D. C., E. D. Pa., Doc. 9341, *Sure-Fit Products Co. et al. v. S. R. Novack.*

1,993,173, P. H. Kuyper, Venetian blind construction, D. C., W. D. Mich., S. Div., Doc. E 2721, *Rolscreen Co. v. Kirsch Co.* Dismissed Jan. 29, 1936.

2,006,619. (See 726,548.) 2,015,607. (See 726,548.)

2,021,505, H. A. Green, Traveling work table and supply rack, filed Mar. 16, 1936, D. C., W. D. Wash., S. Div., Doc. E 581, *H. A. Green v. Northwest Chair Co.*

2,028,037. (See 726,548.)

Des. 94,821, W. Freedman, Design for a blouse, D. C., S. D. N. Y., Doc. E 80/63, *Irving Kemp, Inc., v. H. Fineman, et al.* (*Marilyn Blouse Co.*). Consent decree for plaintiff (notice Mar. 20, 1936).

Disclaimers

1,718,206.—*Ilia E. Mouromtseff*, Wilkinsburg, Pa. VACUUM TUBE. Patent dated June 18, 1929. Disclaimer filed May 2, 1936, by the assignee, *Westinghouse Electric & Manufacturing Company.*

Hereby enters this disclaimer to claims 1, 2, 3, and 4 of the patent specification.

1,810,615.—*James L. Knight*, Schenectady, N. Y. REFRIGERATOR CABINET. Patent dated June 16, 1931. Disclaimer filed May 2, 1936, by the assignee, *General Electric Company.*

Hereby enters this disclaimer of claim 12 of said patent.

1,959,426.—*Fred E. Henderson*, Riverside, Ill. CORE AND A METHOD OF MAKING CORES. Patent dated May 22, 1934. Disclaimer filed May 2, 1936, by the patentee; the assignee, *Western Electric Company, Inc.*, assenting and concurring.

Hereby enters this disclaimer to claims 1, 2, 3, 8, and 14 in the specification.

Changes in Classification

Order No. 3,354. May 7, 1936, directs:

In *class 73, Measuring Instruments* (Division 36), change the title of the class to read 73, Measuring and Testing, abolish the following subclasses:

184 **Calorimeters.**
Dry measures
131 Bulk controlled.
137 Weight controlled.
167 **Meters**
1 Air and gas.
12 Diaphragm.
98 Disk.
28 Oscillating.
30 Piston.
68 Proportional.
37 Rotary.
45 Spirit.

and establish in lieu thereof the following subclasses:

190 **Calorimeters**
191 Bomb.
192 Steam.
193 Heat consumption or absorption meters.
194 **Volume or rate of flow meters**
195 Systems
196 Flow comparing.
197 Compound meter.
198 Combined
199 With pressure regulator or demand limit.
200 With gas and liquid separator.
201 With connections or boxes.
202 Proportional
203 With valved proportioning means.
204 Thermal type.
205 Pressure differential type
206 With integrating means.
207 With automatically variable restriction
208 Slotted piston or cylinder.
209 Cone and ball or disk.
210 Orifice and tapered plug.
211 Orifice or flow nozzle.
212 Pitot.
213 Venturi.
214 Centrifugal.
215 Weir type
216 Submerged orifice or discharge nozzle.
Tank type
217 Rotary tank or bucket
218 With power drive.
219 Plural measuring chamber
220 With fluid-pressure-operated valve.
221 With float-operated valve.
222 With siphon discharge.
223 Single measuring chamber
224 With float-operated valve
225 With trip gear.
226 With siphon discharge.
227 Aren-velocity integrating.
228 Vane type.
229 Turbine type
230 With regulating adjustment.
231 With end supply and delivery.
232 Expansible chamber
233 With variable indicator drive.
234 Wet type (liquid seal)
235 Rotary drum.
236 Oscillating bell or drum.
237 Reciprocating bell.
238 Nutating bell.
239 Reciprocating piston or cylinder
240 Transversely reciprocating piston and cylinder.
241 Oscillating cylinder.
242 Valveless.
243 Duplex.
Parallel cylinders
244 Wobble plate or cam.
245 With transverse shaft
246 With single distributing valve.
247 Radial cylinders.
248 Valved piston.
249 With fluid-actuated valve.
250 With piston or rod-actuated valve gear
251 With trip gear.
252 Oscillating piston.
253 Rotary piston or cylinder
254 With compensating bypass.
255 With orbital movement
256 Plural stationary abutment.
257 Single stationary abutment
258 Nutating piston.
259 With sliding vane.
260 With swinging vane.
261 With interengaging pistons.

262 Diaphragm or collapsible wall
263 Multiple diaphragm
264 Duplex,
265 With rotary valve
266 Crank-operated
267 With flag rods,
268 With oscillating or reciprocating valves,
269 Single diaphragm
270 With diaphragm-actuated valve trip gear,
271 With fluid-actuated valve,
272 Elements
273 Casings
274 Diaphragm meter type,
275 Anti-reversing mechanisms
276 Check valve,
277 "Frostproof" constructions,
278 Diaphragm mountings,
279 Diaphragms
280 With oiling structure,
281 Tangent adjustments.

In *class 121, Motors—Expansible-Chamber Type* (Division 18), establish the following subclass and definition:

Non-reciprocating piston
Rotary
Planetary movement
Inclined axis
69.5 Piston structure.

69.5. Devices under subclass 69 wherein the improvement is directed to the piston structure per se.

The patents contained in this subclass have been taken for the most part from class 73, Measuring Instruments, subclass 98, abolished in this order.

In *class 89, Fluid-Pressure Regulators* (Division 39), add the following note to the class definition:

Note.—For pressure regulators combined with fluid volume meter structure, see class 73, MEASURING AND TESTING, subclass 199.

In *class 61, Hydraulic and Earth Engineering* (Division 38), add the following note to the class definition:

Note.—For weirs or water gates in combination with metering means, see class 73, MEASURING AND TESTING, subclass 215.

In *class 121, Motors—Expansible-Chamber Type* (Division 18), add the following note to the class definition:

Note.—The line between this class and class 73, MEASURING AND TESTING, is as follows: Class 121 includes expansible chamber devices showing and claiming piston, cylinder and/or valve mechanism capable of general use as a meter, motor or engine. Class 73 includes expansible chamber motors combined with registering mechanism or wherein the motor is modified so as to be particularly useful as a volume meter.

In *class 122, Liquid Heaters and Vaporizers* (Division 46), add the following note to the class definition:

Search Class—

73—MEASURING AND TESTING, subclass 215, and indented subclass, for weir meters combined with feed water heater structures.

In *class 234, Recorders* (Division 23), add the following note to the class definition:

Note.—The line between this class and class 73, MEASURING AND TESTING, is as follows: Class 73 includes all recording measuring instruments wherein the recorder is claimed broadly or specifically in combination with significant measuring structure of the type provided for in said class. Class 234 includes only recording mechanisms per se for measuring instruments. However, since it is usually necessary to include with the recorder some conventional measuring element to define a locus or setting for the recorder, the mere naming in a claim or claims of such conventional measuring element or its description in general terms will not exclude such claims from class 234.

In *class 235, Registers* (Division 23), add the following note to the class definition:

Note.—The line between this class and class 73, MEASURING AND TESTING, is as follows: Class 73 includes all registering measuring instruments wherein the register is claimed broadly or specifically in combination with significant measuring structure of the type provided for in said class. Class 235 includes only registering mechanisms per se for measuring instruments. However, since it is usually necessary to include with the register some conventional measuring element to define a locus or setting for the register, the mere naming in a claim or claims of such conventional measuring element or its description in general terms will not exclude such claims from class 235.

In *class 240, Automatic Weighers* (Division 36), add the following note to the class definition:

Note.—For oscillating bucket type weighers wherein only the motive parts capable of general use as a motor are claimed, see class 253, MOTORS, FLUID, subclass 19.

In *class 253, Motors, Fluid* (Division 9), in the class definition, change the fourth sentence of the first note to read as follows:

Gravity meters or weighers are included when only the motive parts capable of use as a motor are claimed, as are also the motive parts of all meters when such motive parts are of the type of motor classified in this class.

In *class 285, Pipe Joints or Couplings* (Division 52), add the following note to the class definition:

Note.—For joints or couplings combined with fluid meter or meter-box structure (more than a conventional statement), see class 73, MEASURING AND TESTING, subclass 201;

and add the following note to the definition of subclass 3:

Note.—Compare with class 73, MEASURING AND TESTING, subclass 201.

In *class 297, Thermostats and Humidostats* (Division 30), add the following note to the class definition:

Note.—For methods and apparatus for filling or filling and closing thermostats, see class 226, FILLING AND CLOSING PORTABLE RECEPTACLES, particularly subclasses 20, 70, and 73. For analogous art, see class 176, ELECTRIC LAMPS, subclass 2.

In *class 309, Machine Elements, Cylinders, and Pistons* (Division 12), make the following change in the class definition:

In line 1 insert *rectilinearly reciprocating* before "pistons," and in the search note to class 121, MOTORS—EXPANSIBLE-CHAMBER TYPE, change "especially subclass 21" to *especially subclasses 21, 69.5, and 122.*

Notices of Cancellation

U. S. PATENT OFFICE, *Washington, Apr. 24, 1936.*

Joseph W. Schloss Co., its assigns or legal representatives take notice:

An application for cancellation having been filed in this Office by Paul Trosenberg, 149–16 184th Street, Springfield Gardens, New York, N. Y., to effect the cancellation of trade-mark registration of Joseph W. Schloss Co., 160 Fifth Avenue, New York, N. Y., No. 125,915, dated July 8, 1919, and the notice of such proceeding sent by registered mail to the said Joseph W. Schloss Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Joseph W. Schloss Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in the case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
Assistant Commissioner.

U. S. PATENT OFFICE, *Washington, April 28, 1936.*

United States Cutlery Co., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Westrand Mfg. Co., Inc., 55 West Forty-second Street, New York, N. Y., to effect the cancellation of trade-mark registration No. 284,695, issued July 7, 1931, to United States Cutlery Co., Belleville, N. J., and a notice of such proceeding sent by registered mail to said United States Cutlery Co. at said address having been returned by the post office with the notation "Defunct" endorsed thereon, notice is hereby given that unless said United States Cutlery Co., its assigns or legal representatives, shall enter an appearance within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

LESLIE FRAZER,
Assistant Commissioner.

Briefs in Appealed Cases

All briefs filed in this Office should have conspicuously printed thereon a statement designating the particular tribunal of the Patent Office to which the brief is addressed.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS, LABELS, AND PRINTS

RENDERED DURING APRIL, 1936.

JESSE MOORE HUNT CO., LTD., *v.* UNITED DISTILLERS LIMITED, Cancellation No. 2,757.

In a decision rendered April 2, 1936, (159 Ms. Dec. 653), *Assistant Commissioner Frazer* held that United Distillers Limited, of Vancouver, Canada, was entitled to register the term "Jessie Moore", as a trade-mark for whisky and gin and that a petition for cancellation of the registration filed by Jesse Moore Hunt Co., Ltd., of San Francisco, Calif., was properly denied.

The ground of the decision is that the petitioner had established no ownership of the mark at the time the registration was granted and therefore could not be injured by the registration of the mark in question.

In his decision, after stating that the facts established by the testimony were at variance in every particular with the allegations of petitioner for cancellation, the Assistant Commissioner stated the facts and his conclusion as follows:

"On March 8, 1906, registration No. 50,175 was issued to a corporation known as Jesse Moore Hunt Co. In July, 1918, that corporation was dissolved, having first converted all its assets into cash which was distributed to its stockholders. From then until January, 1920, the mark was used to some extent by Baber & Hunt, a co-partnership, which went out of business in 1922. On March 6, 1926, registration No. 50,175 expired. In November, 1932, at the instigation of one L. Q. Haven, who had been a nominal stockholder in the old company, petitioner was incorporated; and at some time subsequent to June 4, 1934, began to use the notation 'Jesse Moore' as a trade-mark for whisky. Mr. Haven, as a witness for petitioner, in attempting to explain its alleged ownership of the mark, said:

"'You see, Jesse Moore Hunt Company being liquidated and dissolved by court action, that threw it open to anyone, and of course I just simply took it up, having been formerly connected with it.'"

"Upon this record I am clearly of the opinion that petitioner had acquired no interest in the mark at the time of its registration to respondent, and hence was not damaged by such registration. Petitioner undertook to appropriate an abandoned trade-mark, which, as correctly stated by its witness Haven, was 'open to anyone,' but which had already been appropriated by another."

J. C. ENO (U. S.) LTD. *v.* EDWARD J. DESHAYES, Opposition No. 13,902.

In a decision rendered April 7, 1936, (159 Ms. Dec. 654), *Assistant Commissioner Frazer* held that Edward J. Deshayes, of Worcester, Mass., is entitled to register the notation "Eno" somewhat fancifully displayed, as a trade-mark for a cleaner for silver, glass, etc., notwithstanding the prior adoption, use and registration by J. C. Eno (U. S.) Ltd., of Shanty Bay, Ontario, Canada, of the term "Eno" as a trade-mark for a saline aperient.

The ground of the decision is that the goods are not of the same descriptive properties.

In his decision the Assistant Commissioner noted opposer's argument that because of its hitherto exclusive trade-mark use of the term "Eno" the applicant's mark should be denied registration on the authority of certain decisions cited. He then referred to the facts of those cases and said:

"No such record has been presented in the instant case, nor am I at liberty to apply the principles of equity which appear to have influenced the court. Furthermore, it does not necessarily follow that because locks and flashlights have been held to possess the same descriptive properties the same rule must be applied to salts and silver polish."

With respect to the argument of opposer that confusion might arise no matter how diverse the products, if the same mark was applied on both, the Assistant Commissioner cited the rather recent decision of the then First Assistant Commissioner in *Meredith Publishing Co.* v. *O. M. Scott & Sons Co.*, 26 U. S. Pat. Q. 21, in which the identical marks were applied to magazines and lawn grass seed, and stating that the opposition was dismissed on the grounds that the goods were not of the same descriptive properties, he said:

"I am clearly of the opinion that the goods involved in the case before me are not of the same descriptive properties. *Mellhenny & Kragg* v. *Gunzo* (C. C. P. A.), 57 Fed. (2d) 435; *Bayer Company* v. *Nason Chemical Products Co.*, 23 U. S. Pat. Q. 176. That being true the similarity of the marks under which they are sold becomes immaterial, at least so far as the question of registration is concerned. *Meredith Publishing Co.* v. *O. M. Scott & Sons Co.*, supra."

THE POPSICLE CORPORATION OF THE UNITED STATES *v.* ALFRED BERSIA, Opposition No. 13,904.

In a decision rendered April 8, 1936, (159 Ms. Dec. 657), *Assistant Commissioner Frazer* held that Alfred Bersia, of Gulfport, Miss., is not entitled to register, as a trade-mark for frozen confections, the mark consisting of the notation "Alaska Twins" displayed above the representation of the goods, that representation and the word "Alaska" being disclaimed, in view of the prior adoption and use by The Popsicle Corporation of the United States, of New York, N. Y., of the notation "Alaska Suckers" in association with the representation of two Eskimo children, the words "Alaska Suckers" being disclaimed apart from the mark as shown.

The ground of the decision is that applicant's mark is not free from confusing similarity with the mark of the opposer.

In his decision, after noting applicant's argument that since the opposer disclaimed the word "Alaska" in its present mark that word can not be considered in determining the question whether there was confusing similarity, the Assistant Commissioner said:

"I do not understand that to be the law. I do agree with applicant that where, as here, an opposer relies exclusively upon the statutory presumption of ownership of its registered trade-mark, it is estopped to predicate probable injury solely upon a disclaimed feature. To hold otherwise would result in conferring upon a registrant trade-mark rights that were not recognized at common law.

* * * * * * *

"But it seems to be well settled that while a disclaimed feature of a registered mark, in the absence of proof of actual use, may not in itself be relied on to show probability of confusion, it still must be considered in connection with the mark as a whole. In other words, that

which is disclaimed may be used by any one, provided such use avoids deceptive similarity to the entire mark in which the disclaimed matter occurs."

Then, after referring to the case of *Joseph Tetley & Co.* v. *Bay State Fishing Company*, recently decided by the Court of Customs and Patent Appeals, in which in considering whether the marks "Budget Special" and "Tetley Budget Tea" are confusingly similar the court held, notwithstanding the disclaimer of the word "Special" in one mark and the word "Tea" in the other, that the marks must be considered as a whole, he said:

"Applying this rule to the case before me I am not prepared to say that confusion would not be reasonably likely to result from the concurrent use on identical merchandise of the marks here involved. Both marks prominently display the word 'Alaska', applicant's in association with the word 'twins' and opposer's in association with the representation of two identical children. The word of the one and the representation of the other are to my mind equivalents, and would so impress the average purchaser."

FRIGIDAIRE CORPORATION *v.* AKTIENGESELLSCHAFT BROWN, BOVERI & CIE, Opposition No. 13,967.

In a decision rendered April 14, 1936, (159 Ms. Dec. 658), *Assistant Commissioner Frazer* held that Aktiengesellschaft Brown, Boveri & Cie, of Baden, Switzerland, is entitled to register as a trade-mark for ice making machines and refrigerators for the preservation of foodstuffs and accessories therefor, the term "Frigibloc", which it had registered in Switzerland in 1933, notwithstanding the prior adoption and use of Frigidaire Corporation, of Detroit, Mich., of the term "Frigidaire" on identical goods.

The ground of the decision is that the marks are not confusingly similar.

In his decision, after stating that the opposer relied upon its trade-mark "Frigidaire" which had been registered in the United States under the act of March 19, 1920, and noting that the Examiner of Interferences had held that because opposer's mark is admittedly descriptive and therefore incapable of ownership within the meaning of the act of February 20, 1905, this proceeding could not be maintained, the Assistant Commissioner said:

"With this conclusion I am unable to agree. In fact I think it is directly contrary to the ruling of the Court of Customs and Patent Appeals in the case of *Trustees for Arch Preserver Shoe Patents* v. *James McCreery & Co.*, 49 Fed. (2d) 1068.

"It is now well established that an opposer need not be the owner of its mark, in a technical trade-mark sense, in order to prevent the registration to another of a confusingly similar mark for use on the same class of goods. If an opposer can show that it would be damaged by such registration the requirement of the statute is met, and damage may be predicated on prior use of the mark 'analogous to a trade-mark use,' or even in advertising."

And then, after noting that opposer had established extensive and continuous use of its mark "Frigidaire" for many years prior to any date claimed by the applicant, he said:

"I am therefore of the opinion that the rights of the parties depend wholly upon whether or not their marks are confusingly similar."

With reference to the question of the similarity of the marks, he referred to a recent decision rendered by him in the case of *Frigidaire Corporation* v. *Carp & Co's Handelmaatschappij N. V.*, 29 U. S. Pat. Q. 49, in which "Frigoplate" was held not confusingly similar to "Frigidaire" and said:

"• • • manifestly there is no greater resemblance between the latter mark and 'Frigibloc.' "

He then referred to the decision of the Court of Customs and Patent Appeals in *Purex Corporation* v. *United Drug Co.*, 67 Fed. (2d) 918, and the decision of the Court of Appeals of the District of Columbia in *Reo Motor Car Co.* v. *Traffi Motor Truck Corporation*, 4 Fed. (2d) 303, and said:

"Upon the authority of these cases I have no hesitancy in holding that the marks here involved are sufficiently dissimilar to insure against any reasonable likelihood of confusion, and that applicant is therefore entitled to the registration for which it has applied."

S. H. KEPSS & Co. *v.* KAUFMANN DEPARTMENT STORES, INC., Trade-Mark Interference No. 2,515.

In a decision rendered April 16, 1936, (159 Ms. Dec. 662), in the interference involving the registration of Kaufmann Department Stores, Inc., of Pittsburgh, Pa., of a mark including as its predominating feature the word "Cavalier" as used upon men's shirts and undershirts and an application for registration by Kaufmann Department Stores, Inc., of New York, N. Y., of the term "Cavalier" as a trade-mark for men's union suits, undershirts and drawers, hosiery, suspenders and hose supporters, *Assistant Commissioner Frazer* held that the applicant was the first to use and adopt the mark and was therefore entitled to the registration for which it had made application.

In his decision, after stating that neither party took testimony but the applicant established ownership of an earlier registration for the same mark on hosiery, a certificate of registration having been issued on October 26, 1915, and the goods therein referred to were of the same descriptive properties as those of the Kaufmann registration, the Assistant Commissioner said:

"The proposition to which appellant's argument is chiefly directed is that applicant's ownership of the 1915 registration is insufficient to warrant an award of priority in its favor, because there is no evidence of actual use of the registered mark on the goods described in the registration. I have carefully reviewed the authorities cited in the brief, and I do not think they support appellant's contention. Applicant is declared by the statute to be prima facie the owner of the mark covered by its registration, and as ownership can result only from use it must be presumed in the absence of proof to the contrary that applicant was using the mark at the time it was registered. As that was something over eleven years prior to appellant's filing date, I think it sufficiently appears that applicant was the 'first to adopt and use the mark,' and hence is entitled to the registration thereof under the provisions of section 7 of the Trade-Mark Act."

AMERICAN BREWING COMPANY *v.* DELATOUR BEVERAGE CORPORATION, Cancelation No. 2,650.

In a decision rendered April 20, 1936, (159 Ms. Dec. 660), *Assistant Commissioner Frazer* held that American Dry Corporation, assignee of the Delatour Beverage Corporation, of New York, N. Y., to whom the registration sought to be cancelled was issued, should be permitted to reopen the proceeding to take testimony to establish the execution of the assignments pleaded in the answer.

In his decision, after stating that the assignee of the registrant had been substituted for the registrant but no testimony was taken on its behalf, reliance being placed for proof of ownership of the registered mark on certified copies of several assignments and that the Examiner of Interferences had refused to reopen the case for the purpose of taking testimony to approve the execution of the assignments, the Assistant Commissioner, with reference to the question whether the certified copies were sufficient to prove title, said:

"The Examiner declared his willingness to consider certified copies of the recorded assignments 'the full equivalent' of the originals, but held that neither was 'primary evidence.' This ruling was unquestionably correct. There is neither rule nor statute making the recording of an assignment of this character proof of its validity. Nor do I know of any exception, other than statutory, to the fundamental rule that the execution of a private writing must be established to make such writing competent evidence for any purpose. Having failed to prove any interest in the registration sought to be canceled, respondent was properly held to be without right to resist the petition for cancellation."

He then, after noting that the motion to reopen was denied because the showing was deemed insufficient to comply with the provisions of patent rule 154(d), said:

"In my opinion that rule is inapplicable to the situation here presented. It has to do with the extension of time to take testimony and the showing required in support of a motion for such extension. This is a motion to reopen, invoking the discretion of the trial tribunal independently of any rule other than that of substantial justice between the parties. 64 C. J. 164."

And then, with reference to the showing, he said:

"It appears from the affidavit of respondent's counsel that his failure to take the necessary testimony was due to a misunderstanding on his part, and it appears from the entire record that justice will be best subserved by deciding this case on the merits. I do not think a registration of so long standing should be canceled until every reasonable opportunity has been given the asserted owner to establish its title and make its defense. An examination of the record convinces me that the motion to reopen should have been granted."

EX PARTE WARNER QUINLAN COMPANY, Serial No. 371,566.

In a decision rendered April 23, 1936, (159 Ms. Dec. 667), *Assistant Commissioner Frazer* held that the notation "Deesfuel" as a trade-mark for a fuel particularly suited to Diesel engines, is registrable, under the act of 1905, notwithstanding the fact that the word "Dees" had been found to be listed as a surname in some quite old city directory.

In his decision, after stating that the trade-mark act prohibits the registration of a mark consisting merely of the name of an individual or merely in words which are descriptive of the goods, and that it had frequently been held that the mere combining of prohibited words does not overcome the statutory bar to registration, the Assistant Commissioner said:

"In my opinion, however, the word 'Dees,' as here used, has no significance as a name. It is of course suggestive of 'Diesel,' and that is admittedly the reason for its adoption. While it may be, and probably is, a surname, the fact that the Examiner was able to find it listed as such no more recently than eleven years ago is persuasive evidence of its obscurity, and of the improbability that it would signify a surname to the purchasing public. As applicant points out, nearly any combination of letters may possibly spell the name of an individual somewhere in the world, and by diligent search such possibility may be established as a fact. I do not think, however, that the statute need be so literally construed. It seems reasonable to require evidence that an alleged surname is currently recognized as such before authorizing the refusal of its registration on that ground. Here no such evidence exists."

And then he said:

"• • • it is suggested that a disclaimer of the descriptive word 'fuel' be required before passing applicant's mark for publication."

EX PARTE CASCO PRODUCTS CORPORATION, Serial No. 326,416.

In a decision rendered April 23, 1936, (159 Ms. Dec. 668), *Assistant Commissioner Frazer* held that registration to the Casco Products Corporation, of Bridgeport, Conn., under the act of 1920, of the word "Fenderette", as a trade-mark for splash guards for motor vehicles, was properly refused in view of the prior registration (registration No. 214,063) of that same mark for use on automobile bumpers.

The ground of the decision is that the goods are of the same descriptive properties and the marks being the same, confusion is likely.

In his decision, after stating that it had been said in the brief that splash guards are rubber, leather, or composition aprons added to a vehicle as a pure accessory forming an extension for the mud guard for the purpose of preventing mud and water from being splashed against the following vehicle or thrown against the back of the carrying vehicle, and noting the argument that bumpers are made of metal and have become standard equipment for automobiles and the two items are so different that no confusion could be likely to result from their sale under identical trade-marks, the Assistant Commissioner said:

"With this contention I am unable to agree. It is well known that many dealers in motor car equipment handle both bumpers and splash guards, and that in use the two are very closely related. They are both protective devices for use on automobiles. In my opinion their sale under identical marks would make confusion not only probable, but well nigh inevitable."

THE PEP BOYS MANNY, MOE AND JACK *v.* THE FISHER BROTHERS COMPANY, Opposition No. 14,275.

In a decision rendered April 27, 1936, (159 Ms. Dec. 669), *Assistant Commissioner Frazer* held that The Fisher Brothers Company, of Cleveland, Ohio, should not have been refused registration of a trade-mark for motor oil, consisting of the words "Can o' Gold Motor Oil", the words "Motor Oil" being disclaimed apart from the mark as shown, because of the prior adoption and use by The Pep Boys Manny, Moe and Jack, of Philadelphia, Pa., of a mark for lubricating oil consisting of a distinctive design surrounding the words "Pure as Gold," everything but the design being disclaimed. He held, however, that the mark is not registrable to applicant because descriptive.

With reference to the opposer's mark and the similarity between it and the applicant's, he said:

"The only similarity between this mark and applicant's resides in the occurrence in each of the word 'gold.' In all other respects they are so completely different that there could be no possibility of confusing one with the other even by the 'casual observer,' whose reaction the United States Court of Customs and Patent Appeals has recently held to be immaterial. *Skrom Company* v. *Bayer Company*, 29 U. S. Pat. Q. 142.

"Having disclaimed the only feature of its mark which is common to applicant's, opposer cannot complain of ap-

plicant's use of that feature, provided only that the manner of such use avoids confusing similarity to opposer's mark as a whole. I am clearly of the opinion that applicant has met this requirement."

With reference to the descriptive character of the mark, he said:

"The mark sought to be registered is 'Can o' Gold Motor Oil' displayed in association with certain design features, and is used on motor lubricating oils. The words 'Motor Oil' are disclaimed apart from the mark as shown in the drawing; but such disclaimer does not, in my opinion, save the mark as a whole from being descriptive of the goods. 'Gold' is an adjective defined as 'having the color of gold.' Webster's New International Dictionary. And as here used it could have no other possible significance. If applicant's mark is registrable such expressions as 'bottle of black ink,' 'bag of sweet potatoes,' and 'box of soft pencils' could be converted into registrable trade-marks by the simple expedient of disclaiming the final word. I do not think the descriptiveness clause of the Trade-mark act permits of any such easy evasion."

TRADE-MARKS

OFFICIAL GAZETTE, MAY 26, 1936

[VOL. 466. No. 4]

CLASS 2

Receptacles

Ser. No. 377,377. AUTOMATIC PAPER BOX CORP., Chicago, Ill. Filed Apr. 20, 1936.



For Paper Board Boxes.
Claims use since Apr. 10, 1936.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 375,609. UNITED LUGGAGE COMPANY, INC., New York, N. Y. Filed Mar. 5, 1936.



For Luggage—Namely, Suitcases, Traveling Bags, and Trunks.
Claims use since Feb. 26, 1936.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 371,258. ABRAHAM K. COHEN, receiver for the estate of Adolph Sommer, deceased, Boston, Mass., assignor, by mesne assignments, to The Stamford Rubber Supply Company, Stamford, Conn., a corporation of Connecticut. Filed Nov. 6, 1935.

VISCOL

For Oils and Greases for Waterproofing, Making Flexible, Stuffing, Finishing, and Improving the Texture of Leather and Fibrous Goods.
Claims use since 1888.

Ser. No. 375,228. STANCO INCORPORATED, New York, N. Y. Filed Feb. 25, 1936.

NOWASA

For Hand Cleaner.
Claims use since Jan. 15, 1936.

Ser. No. 376,129. THE MENNEN COMPANY, Newark, N. J. Filed Mar. 18, 1936.



All wording except "Mennen" and the name of applicant is disclaimed apart from the mark. The colors green, black, white, and orange are claimed as features of the mark. The representation of the carton per se is disclaimed.
For Shaving Cream.
Claims use since July 10, 1934.

Ser. No. 376,846. HARVEY PAPER PRODUCTS CO., Sturgis, Mich. Filed Apr. 6, 1936.

DUSTEX

For Treated Paper for Dusting, Cleaning, and Polishing.
Claims use since Feb. 5, 1936.

Ser. No. 377,074. THE WARREN REFINING AND CHEMICAL COMPANY, Cleveland, Ohio. Filed Apr. 10, 1936.

PURG-ALL

For Cleaning Compound for Floors and the Like.
Claims use since Oct. 1, 1933.

CLASS 5

Adhesives

Ser. No. 374,536. CHARLES SHEBLAK, Los Angeles, Calif. Filed Feb. 5, 1936.



Handeewood

For Adhesive Repair Material.
Claims use since Jan. 5, 1935.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 360,676. D. LISNER & Co., New York, N. Y. Filed Jan. 25, 1935.

SPORT-SIZE

The word "Size" is disclaimed apart from its association shown.

For Perfumes, Face Powder, Talcum Powder, Cosmetic Skin Creams, Bath Salts, Face Lotions, Brilliantines, Lip-Stick, Rouge, Toilet Water.

Claims use since April, 1934.

Ser. No. 363,672. SOPHIA COMPANY, INC., New York, N. Y. Filed Apr. 12, 1935.

Cinema Beauty Box

The words "Beauty Box" are disclaimed apart from the mark.

For Cosmetics and Toilet Preparations—Namely, Face Powder, Cold Cream, Rouge, and Lipstick.

Claims use since Mar. 29, 1935.

Ser. No. 370,436. SOUTHERN ALKALI CORPORATION, Corpus Christi, Tex. Filed Oct. 16, 1935.

SOUTHERN

For Soda Ash and Caustic Soda.

Claims use since Sept. 26, 1934.

Ser. No. 371,109. ORLEANS DRUG CO., INC., New Orleans, La. Filed Nov. 2, 1935.



The words "Popular Line" are disclaimed apart from the mark.

For Balsam Copaiba, Castor Oil, Tincture of Iodine, Sweet Oil, Epsom Salt, Blue Stone, Paregoric, Cream Tartar, Hydrogen Peroxide, Aromatic Spirit Ammonia, Sweet Spirit of Nitre, Copperas, Powdered Alum, Lump Alum, Bicarbonate Soda, and Sulphur.

Claims use since Oct. 15, 1935.

Ser. No. 371,536. SEYMOUR S. GREAN, New York, N. Y. Filed Nov. 14, 1935.

ORBISAL

For Preparation for Cleansing the Eyes.

Claims use since 1927.

Ser. No. 371,837. WERNET DENTAL MFG. COMPANY, Brooklyn, N. Y. Filed Nov. 21, 1935.

POLIDENT

For Chemical Preparation for Cleaning, Washing, Polishing, and Sterilizing Natural and Artificial Dentures, the Said Preparation Having Sterilizing, Antiseptic, and Germicidal Properties.

Claims use since Nov. 1, 1935.

Ser. No. 373,099. DIFFUNDOL G. M. B. H., Frankfort-on-the-Main, Germany. Filed Dec. 27, 1935.

"DIFFUNDOL"

For Healing Ointment for Rheumatism, Sciatica, and Gout.

Claims use since Dec. 30, 1933.

Ser. No. 373,263. ÖSTERREICHISCHE SERUM-GESELLSCHAFT M. B. H., Vienna, Austria. Filed Jan. 2, 1936.

Immenin

For Bee Toxine for Injections in the Treatment of Inflammatory Diseases.

Claims use since May 27, 1930.

Ser. No. 373,521. GORDON G. CLARK, Springfield, Mass. Filed Jan. 10, 1936.

FROSTERILIZE

For Insecticides, Disinfectants, Fumigants, and a Water Repellent—Namely, a Moisture Proofing Liquid for Furs, Leather, and Cloth.

Claims use since July 1, 1934.

Ser. No. 373,523. WILLIAM B. COHEN, doing business as Stuart Products Co., St. Paul, Minn. Filed Jan. 10, 1936.

FLORAL QUINTUPLETS

For Perfume, Dusting Powder, Face Powder, Rouge, Lipsticks; Manicure Preparations Including Nail Polish, Nail Polish Remover, Nail White, and Nail Oil; Bath Salts, Face Creams, Cold Creams, Cleansing Creams, and Face Lotion.

Claims use since Oct. 1, 1935.

Ser. No. 373,607. IODINE CORPORATION OF AMERICA, Los Angeles, Calif. Filed Jan. 13, 1936.

Io-tabs

For Iodine Tablets for Internal Use.

Claims use since Jan. 2, 1936.

Ser. No. 373,729. THE HETTRICK MANUFACTURING COMPANY, Toledo, Ohio. Filed Jan. 16, 1936.



For Waterproofing Compound.

Claims use since June, 1931.

Ser. No. 373,781. S. & G. GUMP COMPANY, Honolulu, Hawaii. Filed Jan. 17, 1936.

FERN

LEI

For Perfumes.

Claims use since Feb. 1, 1935.

Ser. No. 373,782. S. & G. GUMP COMPANY, Honolulu, Hawaii. Filed Jan. 17, 1936.

HAWAIIAN

NIGHT

For Perfumes.

Claims use since Feb. 1, 1935.

Ser. No. 373,783. S. & G. GUMP COMPANY, Honolulu, Hawaii. Filed Jan. 17, 1936.

PIKAKI

LEI

For Perfumes.

Claims use since Feb. 1, 1935.

Ser. No. 373,784. S. & G. GUMP COMPANY, Honolulu, Hawaii. Filed Jan. 17, 1936.

PLUMERIA

LEI

For Perfumes.

Claims use since Feb. 1, 1935.

Ser. No. 374,369. LABORATORIOS FARFAN, S. A., Mexico, D. F., Mexico. Filed Feb. 1, 1936.

ESTENBIOS

For Pulmonary Antiseptic Preparation and a Muscular Tonic Preparation.

Claims use since Jan. 15, 1932.

Ser. No. 374,440. SPECIALTY CHEMICAL CORPORATION, New Orleans, La. Filed Feb. 3, 1936.

itchitoe

For Preparation Used for the Treatment of Athlete's Foot.

Claims use since Sept. 5, 1935.

Ser. No. 374,574. WILBER CO. INC., Richmond, Va. Filed Feb. 6, 1936.

BELPHEN

For Preparation for the Treatment of Gastro Intestinal Disorders.
Claims use since Jan. 15, 1936.

Ser. No. 374,840. MASURY-YOUNG COMPANY, Charlestown, Mass. Filed Feb. 14, 1936.

MYCOVAPE

For Insecticides.
Claims use since Jan. 1, 1936.

Ser. No. 374,950. VERALIN, INC., Chicago, Ill. Filed Feb. 17, 1936.



For Antiseptic, Germicide, Deodorant, and Disinfectant.
Claims use since July 12, 1932.

Ser. No. 375,071. THE ARLINGTON CHEMICAL COMPANY, Yonkers, N. Y. Filed Feb. 21, 1936.

CULTOL

For Medicinal Preparation for Use in the Treatment of Intestinal Troubles.
Claims use since Sept. 15, 1914.

Ser. No. 375,143. JOHN ROBBERT GALLAGHER, doing business as Dr. J. R. Gallagher and Company, Flemingsburg, Ky. Filed Feb. 24, 1936.

BELA-TAN

For Medicated Ointment for the Antiseptic and Healing Treatment of Rectal Disorders Particularly Piles and Hemorrhoids.
Claims use since Feb. 5, 1936.

Ser. No. 375,162. PACIFIC PRODUCTS COMPANY, Detroit, Mich. Filed Feb. 24, 1936.

NO-NOD KEEPS YOU AWAKE

The words "Keeps You Awake" are disclaimed apart from the mark.
For Awakeners, a Stimulator Formed of Vegetable Products.
Claim use since October, 1935.

Ser. No. 375,326. FORD HOPKINS CO., Chicago, Ill. Filed Feb. 28, 1936.



For Tincture of Iodine, Milk of Magnesia, Spirits of Turpentine, Spirits of Camphor, Oil of Wintergreen, Glycerin and Rose Water, Glycerin, Essence of Peppermint, Castor Oil, Carbolic Acid, Camphorated Oil, Bay Rum, Aromatic Cascara, Hinkle Pills (a Tonic Laxative), Aspirin Tablets, Di-Sodium Salt of Dibrom-Oxy-Mercuri-Fluorescein, Witch Hazel, and Psyllium Seed.
Claims use since June, 1935.

Ser. No. 375,339. MORNY LIMITED, London, England. Filed Feb. 28, 1936.

TENTATION

For Perfumes, Bath Salts, Bath Salts Tablets, Bath Dusting Powder, Complexion Powder, Talcum Powder, Toilet Water, Brilliantines, Sachet Powder, Sachets.
Claims use since December, 1926.

Ser. No. 376,409. LOUISE ROGERS, INC., Larchmont, N. Y. Filed Mar. 25, 1936.

Angel-Lox

For Astringents, Astringent Cerates, Beauty Creams, Bleach Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid and Solid Forms, Eyebrow and Eyelash Grower, Eye Drops, Eye Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powers, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes,

Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since Nov. 27, 1935.

Ser. No. 376,496. SAYTA CORP., New York, N. Y. Filed Mar. 27, 1936.

SAYTA

For Skin Lotions.
Claims use since Mar. 2, 1936.

Ser. No. 376,569. JOHN H. BRECK, INC., Springfield, Mass. Filed Mar. 30, 1936.



No claim is made to the wording apart from the mark as shown with the exception of the name "Breck".
For Hair and Scalp Preparations for Dandruff, Falling Hair, and Irritations of the Scalp.
Claims use since Aug. 1, 1915.

Ser. No. 376,738. JUDSON H. SENCINDIVER, doing business as Judson Laboratories, Cockeysville, Md. Filed Apr. 2, 1936.

DENTEE

For Liquid Dentifrice.
Claims use since Nov. 15, 1933.

Ser. No. 376,762. KNOX COMPANY, Los Angeles, Calif. Filed Apr. 3, 1936.



The drawing is lined for blue.
For Preparations for the Prevention, the Treatment, and the Correction of Insomnia, Restlessness, and Nervousness; Sedatives and Soporifics.
Claims use since Jan. 1, 1936.

Ser. No. 377,012. E. J. LINDELL COMPANY, Kansas City, Mo. Filed Apr. 9, 1936.

Sunsting

For Toilet Creams.
Claims use since Mar. 2, 1936.

Ser. No. 377,047. THE GROVE LABORATORIES, INC., doing business as Beaumont Laboratories, Wilmington, Del., and St. Louis, Mo. Filed Apr. 10, 1936.

4 WAY

For Medicinal Compound Intended for the Relief of Malaria and the Chills and Fever Accompanying That Ailment, and as a Tonic in Cases of Debility Requiring Stimulation of the Appetite.
Claims use since Mar. 30, 1936.

Ser. No. 377,053. ELI LILLY AND COMPANY, Indianapolis, Ind. Filed Apr. 10, 1936.

BILRON

For Preparation Made from Bile Salts Combined with Iron, Put Out in Powder Form in Capsules, for the Treatment of Gall Bladder Diseases.
Claims use since Mar. 30, 1936.

CLASS 10

Fertilizers

Ser. No. 372,532. WILLIAM K. SIMMONS, Port Orange, Fla. Filed Dec. 11, 1935.



Applicant Disclaims "Simmons" and "Better Fertilizer" apart from the mark.
For Fertilizer.
Claims use since Oct. 20, 1935.

CLASS 12

Construction Materials

Ser. No. 373,837. PEASLEE-GAULBERT CORPORATION, Louisville, Ky. Filed Jan. 18, 1936.

MOGUL

For Asphalt Composition Roofing and Building Papers.
Claims use since Jan. 10, 1910.

Ser. No. 375,370. AMERICAN BLUE STONE CO., Warsaw and New York, N. Y. Filed Feb. 29, 1936. Under 10-year proviso.

GENESEE VALLEY BLUE STONE

For Blue Stone in the Form of Stair Treads, Landings, Flooring, Thresholds, Wall Base, as Well as General Structural Forms.
Claims use since 1870.

Ser. No. 376,233. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Mar. 20, 1936.

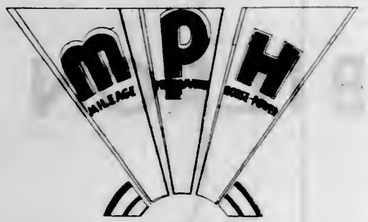
ROCKLATH

For Plastic Board.
Claims use since June, 1925.

CLASS 15

Oils and Greases

Ser. No. 376,329. BAYOU STATE OIL CORPORATION, Shreveport, La. Filed Mar. 24, 1936.



The words "Mileage", "Performance", and "Horse-Power" are not claimed apart from the rest of the mark. The lettering is blue on a yellow background.
For Motor Lubricating Oils and Greases, Diesel Fuel Oils and Gasoline.
Claims use since Dec. 20, 1935.

Ser. No. 376,421. WOLVERINE-EMPIRE REFINING CO., New York, N. Y. Filed Mar. 25, 1936.



The words "100% Pure Pennsylvania Motor Oil", "New York, N. Y.", and "Oil City, Pa." are disclaimed apart from the mark. The drawing is lined for red and green.
For Motor Oil and Greases.
Claims use since February, 1936.

CLASS 16

Paints and Painters' Materials

Ser. No. 376,179. JACOB PALSIR, doing business as Jacob Palsir's Son, Flourtown, Pa. Filed Mar. 19, 1936.



For Dull Finish Furniture Cleaning Oil.
Claims use since Feb. 27, 1936.

Ser. No. 376,487. THE OHIO BRONZE POWDER COMPANY, Cleveland, Ohio. Filed Mar. 27, 1936.

FOIL-BRITE

The drawing is lined for blue.
For Aluminum Paste and Powder in the Nature of a Paint or Paint Pigment.
Claims use since Jan. 15, 1936.

Ser. No. 377,118. A. GUSMER, INC., Woodbridge, N. J. Filed Apr. 11, 1936.

KOTITE

For Varnish Substitute.
Claims use since May 1, 1923.

Ser. No. 377,204. INDUSTRIAL CHEMICAL PRODUCTS CO., Detroit, Mich. Filed Apr. 10, 1936.

SOL KLEAN

The word "Klean" is disclaimed apart from the mark.
For Preparation to be Used as a Paint, Varnish, and Enamel Remover.
Claims use since 1930.

Ser. No. 377,205. INDUSTRIAL CHEMICAL PRODUCTS CO., Detroit, Mich. Filed Apr. 10, 1936.



The word "Klean" is disclaimed apart from the mark.
For Preparation to be Used as a Paint, Varnish, and Enamel Remover.
Claims use since 1930.

Ser. No. 377,285. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Apr. 16, 1936.

Tavern

For Furniture Polish and Floor Wax.
Claims use since Apr. 2, 1936.

Ser. No. 377,311. I. F. LAUCKS, INC., Seattle, Wash. Filed Apr. 17, 1936.

BONTINT

For Cold Water Calcimine.
Claims use since Mar. 13, 1936.

CLASS 17

Tobacco Products

Ser. No. 374,414. KO WAH LUM, San Francisco, Calif. Filed Feb. 3, 1936.



The Chinese characters have no meaning in themselves but represent the sounds "din" and "mo". The portrait is fanciful.
For Cigarettes.
Claims use since Oct. 5, 1935.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 372,658. CRESCENT INSULATED WIRE AND CABLE COMPANY, Trenton, N. J. Filed Dec. 16, 1935.

CRESCENT

For Electrical Wire, Cable, and Conductors, Both Insulated and Uninsulated, and Wire, Cable, and Harness and Cord Sets Having Connectors, Sockets and/or Terminal Members Carried Thereby.
Claims use since Aug. 3, 1891.

Ser. No. 373,281. KNAPP-MONARCH COMPANY, doing business as Kwikway Products, Inc., St. Louis, Mo. Filed Jan. 6, 1936.

ZIP

For Electric Fans.
Claims use since Mar. 13, 1933.

Ser. No. 374,124. GLASCOCK BROS. MFG. CO., Muncie, Ind. Filed Jan. 27, 1936.

Metal Master

For Spot Welding Machines.
Claims use since Oct. 21, 1935.

Ser. No. 374,635. EDITH C. TAYLOR, Hartford, Conn. Filed Feb. 8, 1936.

TABLE-RAY

For Electric Lamps.
Claims use since Jan. 24, 1936.

Ser. No. 374,786. JOHN C. DOLPH COMPANY, Newark, N. J. Filed Feb. 13, 1936.

SYNTHITE

For Electric Insulating Varnishes and Compounds.
Claims use since 1913.

Ser. No. 375,898. PROGRESSIVE WELDER COMPANY, Detroit, Mich. Filed Mar. 12, 1936.

PROGRESSIVE HYDROMATIC

The drawing is lined for red.
For Electric Welding Machines.
Claims use since Mar. 1, 1936.

Ser. No. 376,099. THE NATIONAL ACME CO., Cleveland, Ohio. Filed Mar. 17, 1936.

CHRONOCYCLER

For Automatic Circuit Breaking Mechanism.
Claims use since Feb. 3, 1936.

Ser. No. 376,792. BREEZE CORPORATIONS, INC., Newark, N. J. Filed Apr. 4, 1936.

BREEZETEX

For Conduits Having Incorporated Therein a Plastic Compound to Insulate the Conduit Against Electrical Emanations or Liquids, and Adapted for Use in Connection with Internal Combustion Motors.
Claims use since Feb. 15, 1936.

Ser. No. 376,917. RAYLITE TRADING COMPANY, INC., New York, N. Y. Filed Apr. 7, 1936.

MOTHER GOOSE

For Decorative Electric Bulbs.
Claims use since Mar. 28, 1936.

Ser. No. 376,932. BURNDY ENGINEERING COMPANY, INC., New York, N. Y. Filed Apr. 8, 1936.

BUTTIN

For Electrical Connectors.
Claims use since December, 1934.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 375,941. THE E. P. JUNEMAN CORPORATION, Chicago, Ill. Filed Mar. 13, 1936.

MASTER MODEL

The word "Model" is disclaimed apart from the mark.
For Tennis Rackets.
Claims use since Jan. 1, 1935.

Ser. No. 376,822. WINCHESTER TOY CO., Clifton Heights, Pa. Filed Apr. 4, 1936.

GOLDEN

FLEECE

For Toys Made of Lambskin—Namely, Rabbits, Lambs, Bears, and Dogs.
Claims use since November, 1932.

Ser. No. 377,112. GENCO, INC., Chicago, Ill. Filed Apr. 11, 1936.

FIFTY GRAND

For Coin Controlled Amusement Apparatus.
Claims use since Mar. 5, 1936.

Ser. No. 377,154. HIBSE GUT & SUTURE CO., Chicago, Ill. Filed Apr. 13, 1936.

HIBSE

VITAGUT

For Tennis, Squash, and Badminton Strings Made from Animal Gut.
Claims use since Oct. 3, 1935.

Ser. No. 377,249. THE WORTHINGTON BALL COMPANY, Elyria, Ohio. Filed Apr. 15, 1936.

Les Strokes

For Golf Balls.
Claims use since Dec. 12, 1935.

Ser. No. 377,250. THE WORTHINGTON BALL COMPANY, Elyria, Ohio. Filed Apr. 15, 1936.



The trade-mark is fanciful.
For Golf Balls.
Claims use since Dec. 12, 1935.

Ser. No. 377,320. PREMO RUBBER COMPANY LIMITED, Petersfield, England. Filed Apr. 17, 1936.

MINIBRIX

For Toy Bricks and Shaped Pieces All of India Rubber for Making Toy Buildings.
Claims use since June 22, 1935.

Ser. No. 377,397. THE E. P. JUNEMAN CORPORATION, Chicago, Ill. Filed Apr. 20, 1936.

BLUE STREAK

For Tennis Rackets.
Claims use since Apr. 18, 1929.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 372,137. N. S. MEYER, INC., New York, N. Y. Filed Nov. 30, 1935.

DEFENDER

For Sabres, swords, and sabre chains.
Claims use since Oct. 27, 1930.

Ser. No. 373,899. VICTOR OIL ENGINES (COVENTRY) LIMITED, Coventry, England. Filed Jan. 20, 1936.

COVIC

For Internal Combustion Engines.
Claims use since 1934.

Ser. No. 375,603. LANDON P. SMITH, INC., Irvington, N. J. Filed Mar. 5, 1936.

Red Devil

For Razor Blades.
Claims use since Mar. 1, 1936.

Ser. No. 375,604. LANDON P. SMITH, INC., Irvington, N. J. Filed Mar. 5, 1936.

RED DEVIL

For Tile-cutting Machines and Tools.
Claims use since Mar. 15, 1934.

Ser. No. 375,911. LANDON P. SMITH, INC., Irvington, N. J. Filed Mar. 12, 1936.

"MOP DEVIL"

For Resilient Hand-abrading Tools of Various Shapes and Sizes Including Intermingled Metallic Elements for Working on Metallic Surfaces and the Like.
Claims use since Nov. 21, 1935.

Ser. No. 375,916. BINKS MANUFACTURING COMPANY, Chicago, Ill. Filed Mar. 12, 1936.

THOR-TEX

For Paint Spraying Appliances—Namely, Spray Guns.
Claims use since Jan. 10, 1936.

Serial No. 375,989. MORRIS GOTTSEGEN, New York, N. Y. Filed Mar. 14, 1936.

CONQUEROR

For Razors and Razor Blades.
Claims use since Mar. 6, 1936.

Ser. No. 376,953. HALL-WELTER CO., INCORPORATED, Rochester, N. Y. Filed Apr. 8, 1936.

SPEEDRITE

For Check Printing Machines.
Claims use since Jan. 5, 1929.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 373,201. SAUL COLE, doing business as Cole's, Detroit, Mich. Filed Dec. 31, 1935.

NATURE'S Rx Wear NATURALITE LENSES

The words "Wear" and "Lenses" and the representation of a lens and the letter R with the bar across the tail are disclaimed apart from the mark.
For Eyeglasses and Lenses Therefor.
Claims use since Nov. 4, 1935.

Ser. No. 373,770. THE BISHOP & BABCOCK MANUFACTURING CO., Cleveland, Ohio. Filed Jan. 17, 1936.

HEATERSTAT

For Thermostats for Hot Water Heaters for Automobiles.
Claims use since May, 1933.

Ser. No. 373,771. THE BISHOP & BABCOCK MANUFACTURING CO., Cleveland, Ohio. Filed Jan. 17, 1936.

MOTORSTAT

For Thermostats for Hot Water Heaters for Automobiles.
Claims use since November, 1924.

Ser. No. 374,810. AGFA ANSCO CORPORATION, Binghamton, N. Y. Filed Feb. 14, 1936.

AGFADENT

For Sensitized Photographic Film.
Claims use since Jan. 21, 1936.

Ser. No. 375,063. SHEET POLARIZER COMPANY, INC., Union City, N. J. Filed Feb. 20, 1936.

POLAROID

For Composite Material Comprising Suspensions of Crystalline Particles in a Light-Transmitting Medium Adapted to be Used in Connection with Optical Devices Such as Microscope Eye-pieces, Glare Eliminators, Variable Density Diaphragms, Gem Testers, and the Like.
Claims use since Nov. 19, 1935.

Ser. No. 375,180. TAYLOR INSTRUMENT COMPANIES, Rochester, N. Y. Filed Feb. 24, 1936.

VALV-PRECISOR

The word "Valv" is disclaimed apart from the mark.
For Auxiliary Mechanism for Controlling the Stem Position of Motor-operated Valves.
Claims use since Oct. 3, 1935.

Ser. No. 375,378. DERBY OIL COMPANY, Wichita, Kans. Filed Feb. 29, 1936.



For Service Station Equipment—Namely, Measuring Pumps.
Claims use since Apr. 8, 1935.

Ser. No. 376,835. CAROLYN MANUFACTURING CO., INC., New York, N. Y. Filed Apr. 6, 1936.

LOUIS PASTEUR



Trade-mark comprises the name and portrait of Louis Pasteur, eminent French scientist, deceased.
For Microscopes, Microscope Outfits and Sets, and Parts Thereof.
Claims use since Dec. 19, 1935.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 376,763. S. H. KRASS AND COMPANY, New York, N. Y. Filed Apr. 3, 1936.

COLUMBINE

For Teaspoons, Tablespoons, Dessert Spoons, Soup Spoons, Sugar Spoons, Iced-Tea Spoons, Baby Spoons, After Dinner Coffee Spoons, Berry Spoons, Butter Spreaders, Butter Knives, Dinner Knives, Stainless Dinner Knives, Children's Knives, Children's Forks, Salad Forks, Oyster Forks, Dinner Forks, Dessert Forks, Cold-Meat Forks, Gravy Ladles, and Pastry Servers, All Made of or Plated With Precious Metal.
Claims use since Feb. 1, 1936.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 372,436. I. SEKINE COMPANY, New York, N. Y. Filed Dec. 9, 1935.

DENTREX

For Tooth Brushes.
Claims use since March, 1935.

CLASS 32

Furniture and Upholstery

Ser. No. 373,882. MICHIGAN MAPLE BLOCK COMPANY, Petoskey, Mich. Filed Jan. 20, 1936.

WOOD WELDED

The word "Wood" is disclaimed apart from the mark.
For Butcher Blocks, Butchers' Tables, Hand Cutting Blocks, Table Tops, Packinghouse Blocks, and Pine Table Tops Used in Kitchen Equipment.
Claims use since July, 1912.

Ser. No. 374,547. MICHAEL BECHIK, doing business as Self-Adjusting Mattress Handle Company, St. Paul, Minn. Filed Feb. 6, 1936.



The representation of a section of the goods and the word "Grip" are disclaimed apart from the mark.
For Mattresses, Cushions, and Box-Springs and Handles Therefor.
Claims use since August, 1932.

Ser. No. 375,170. REYNOLDS MANUFACTURING COMPANY, Dallas, Tex. Filed Feb. 24, 1936.



For Automobile Cushions.
Claims use since Jan. 1, 1936.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 368,307. SAMSON TIRE & RUBBER CORPORATION, Los Angeles, Calif. Filed Aug. 14, 1935.

SAMSON

For Rubber Tires, Other Than Bicycle Tires, for Vehicles.
Claims use since 1916.

Ser. No. 376,844. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio. Filed Apr. 6, 1936.

NEW

WRINKLE

For Pneumatic Tires.
Claims use since Mar. 25, 1936.

Ser. No. 376,845. GOODSELL PACKING COMPANY, Algonquin, Ill. Filed Apr. 6, 1936.

PACKO

For Plastic or Molded Metallic Machinery Packing.
Claims use since Mar. 1, 1936.

Ser. No. 376,871. SIMPLEX PRODUCTS CORPORATION, Cleveland, Ohio. Filed Apr. 6, 1936.



For Metal Piston Rings.
Claims use since Mar. 3, 1936.

CLASS 36

Musical Instruments and Supplies

Ser. No. 372,344. OTTO ZECHA, Vienna, Austria. Filed Dec. 6, 1935.



For Phonograph Records, Gramophone Records, Discs and Records for Talking Machines, Diaphragms and Trumpets for Talking Machines, Sound Boxes for Talking Machines, Spring Actuated Motors for Talking Machines, Electrical and Mechanical Operating Mechanisms for Talking Machines, Electrical and Mechanical Disc Playing Machines, Apparatus for Producing Sound Records on Discs, Plates, Cylinders, Tapes, Rollers or Wires.
Claims use since Oct. 1, 1935.

Ser. No. 375,078. MARJORY M. FISHER, San Francisco, Calif. Filed Feb. 21, 1936.

EM-EFF

FREE-UR-TONE

For Shoulder Pad and Chin Rest for Musical Instruments.
Claims use since Jan. 1, 1936.

CLASS 37

Paper and Stationery

Ser. No. 375,581. HOLDEN PATENT BOOK COVER COMPANY, Springfield, Mass. Filed Mar. 5, 1936.



For Paper Covers for Books.
Claims use since Feb. 25, 1936.

CLASS 38

Prints and Publications

Ser. No. 372,385. ACE PHOTO SERVICE, Minneapolis, Minn. Filed Dec. 9, 1935.



The words "Sparkling", "Snapshots", "Photo", "Service", "Minneapolis", and "Minnesota" are disclaimed apart from the mark. The drawing is lined for red.
For Photographic Prints.
Claims use since Apr. 1, 1933.

Ser. No. 374,971. WILLIAM C. KEEPLIN, doing business as Travel Stamp Company, Salt Lake City, Utah. Filed Feb. 18, 1936.



All wording and notations are disclaimed apart from the mark.

For Trading Stamps.

Claims use since Sept. 14, 1933.

Ser. No. 375,850. NEA SERVICE, INC., Cleveland, Ohio. Filed Mar. 11, 1936.



Trade-mark comprises the portrait of Major Hoople, a fanciful fictitious character.

For Comic Drawings Published in a Series in Daily and Sunday Newspapers.

Claims use since Feb. 15, 1936.

Ser. No. 376,226. REGAL PRESS, INC., Chicago, Ill. Filed Mar. 20, 1936.

SCREEN GUIDE

For Magazine.

Claims use since Mar. 14, 1935.

Ser. No. 376,232. TURF PUBLICATIONS, INC., Chicago, Ill. Filed Mar. 20, 1936.

POST TIME

For Magazine.

Claims use since June 1, 1934.

Ser. No. 376,334. CENTRAL PRESS ASSOCIATION, INC., Cleveland, Ohio. Filed Mar. 24, 1936.

GOOD GARDENING

For Newspaper Section.

Claims use since 1927.

Ser. No. 376,343. JEAN PAUL FERNEL, doing business as Diet Publishers, Chicago, Ill. Filed Mar. 24, 1936.

DIET

BEAUTY FOR WOMEN—POWER FOR MEN

For Periodical.

Claims use since Nov. 1, 1933.

Ser. No. 376,431. GRAPHIC ARTS PUBLISHING COMPANY, Chicago, Ill. Filed Mar. 26, 1936.

GRAPHIC ARTS MONTHLY

For Monthly Magazine.

Claims use since Aug. 15, 1929.

Ser. No. 376,613. UNITED STATES REVIEW PUBLISHING COMPANY, Philadelphia, Pa. Filed Mar. 30, 1936.

United States Review

For Periodical.

Claims use since 1874.

Ser. No. 376,727. KING FEATURES SYNDICATE, INC., New York, N. Y. Filed Apr. 2, 1936.

HEROES of AMERICAN HISTORY

For Cartoon Series.

Claims use since Mar. 22, 1936.

CLASS 39

Clothing

Ser. No. 365,847. INTERNATIONAL LATEX CORPORATION, Rochester, N. Y. Filed June 6, 1935.

PLAYLAND

For Latex Baby Pants.

Claims use since Apr. 18, 1935.

Ser. No. 370,234. ADLER DRESS SHOPS, INC., Chicago, Ill. Filed Oct. 4, 1935.

Ames TO PLEASE

For Women's Wearing Apparel—Namely, Dresses, Coats, Suits, Lingerie (Chemise, Step-Ins, Slips), Ladies' Leather and Fabric Gloves, and Hosiery.

Claims use since Jan. 1, 1935.

Ser. No. 373,456. A. MARGOLIN & BROS. INC., New York, N. Y. Filed Jan. 8, 1936.

Petalwate

For Women's, Misses', and Children's Suits, Coats, Dresses, Shorts, Blouses, Skirts, Slacks, Middies, Playsuits, Shirts, Jackets, Overalls, Halters, Beach Robes, and Underwear, and Men's and Boys' Suits and Coats.

Claims use since December, 1934.

Ser. No. 374,602. ROSSELLO HERMANOS, New York, N. Y. Filed Feb. 7, 1936.

TROPICWEAR

The term "Tropic-Wear" is disclaimed apart from the mark.

For Men's Outer Garments—Namely, Linen Suits, Tropical Worsted Suits, Seersuckers, Poplin, Duck, and Mohair Summer Suits.

Claims use since November, 1934.

Ser. No. 375,375. LUDWIG BAUMANN & COMPANY, New York, N. Y. Filed Feb. 29, 1936.

Medburne

For Men's Wear—Namely, Suits, Topcoats, Overcoats, Outer Shirts, Pajamas, Underwear (Shirts, Shorts, and Union Suits), Neckties, Robes, Sweaters, and Windbreakers.

Claims use since Sept. 14, 1934.

Ser. No. 375,386. HER MAJESTY UNDERWEAR CO., Philadelphia, Pa. Filed Feb. 29, 1936.

"PRINCESS TUGORE"

The word "Tugore" is disclaimed apart from the mark.

For Women's Underwear Made of Silk, Satin, and Synthetic Material.

Claims use since Feb. 20, 1936.

Ser. No. 375,482. WEIL CLOTHING COMPANY, St. Louis, Mo. Filed Mar. 2, 1936.

Top-O-Style



The words "Style" and "Quality" are disclaimed apart from the mark.

For Men's and Boys' Shoes of Leather, Fabric, and Combinations Thereof.

Claims use since Feb. 1, 1936.

Ser. No. 375,496. JOHN DAVID, New York, N. Y. Filed Mar. 3, 1936.

The King's Own

For Socks, Men's Union Suits, Undershirts, Underdrawers, Dress and Negligee Shirts, Collars, Men's Hats and Caps, Leather and Fabric Gloves, Men's Suits, Sweaters, Overcoats, Raincoats, Pajamas, Bath and Lounging Robes, and Bathing Suits.

Claims use since Feb. 5, 1936.

Ser. No. 375,735. WILLIAM A. STRUTHERS, San Leandro, Calif. Filed Mar. 7, 1936.

WILLSTRUT Ringless Crep-revers

No claim is made to the word "Ringless" or to the term "Crep-revers" apart from the mark.

For Silk Hosiery.

Claims use since Mar. 2, 1936.

Ser. No. 375,781. SCHWARTZ & BENJAMIN, INC., Brooklyn, N. Y. Filed Mar. 9, 1936.

Customcraft

The expression "Customcraft" is disclaimed except in the association shown.
For Ladies' Shoes Made of Leather.
Claims use since Feb. 14, 1936.

Ser. No. 375,792. CLAUDE H. DANIELS, Natick, Mass. Filed Mar. 10, 1936.

BEAUTY REST

For Boots and Shoes of Rubber, Leather, Fabric, and Combinations Thereof for Men, Women, and Children.
Claims use since Mar. 4, 1936.

Ser. No. 375,999. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y. Filed Mar. 14, 1936.

Royal Hawaiian

The word "Hawaiian" is disclaimed apart from the mark.
For Men's and Boys' Summer Coats and Trousers.
Claims use since Oct. 7, 1935.

Ser. No. 376,105. ALEXANDER SCHWARTZ, New York, N. Y. Filed Mar. 17, 1936.

Caspan

For Coats, Suits, Robes, Capes, and Wraps for the Use of Women.
Claims use since Jan. 2, 1936.

Ser. No. 376,260. BLOSSOM PRODUCTS CORPORATION, Allentown, Pa. Filed Mar. 23, 1936.



For Underwear for Men, Women, and Children, Children's and Ladies' Dresses, Bathing Suits, Panties, Vests, Bloomers, Nightgowns, Pajamas, Slips, Brassières, Petticoats, Children's and Women's Coats, Sweaters, and Suits.
Claims use since Feb. 11, 1935.

Ser. No. 376,275. HAT CORPORATION OF AMERICA, Norwalk, Conn. Filed Mar. 23, 1936.

Decatized Felts

The word "Felts" is disclaimed apart from the mark.
For Hat Bodies.
Claims use since Mar. 14, 1936.

Ser. No. 376,276. HAT CORPORATION OF AMERICA, Norwalk, Conn. Filed Mar. 23, 1936.

Supletex

For Hat Bodies.
Claims use since Mar. 14, 1936.

Ser. No. 376,294. WILLIAM V. MERRIMAN, doing business as Time Hosiery Company, Glencoe, Ill. Filed Mar. 23, 1936.

TIME
HOSIERY

Hose of the Hour

The words "Hosiery" and "Hose" are disclaimed apart from the mark.
For Hosiery.
Claims use since Apr. 4, 1931.

Ser. No. 376,331. BROOM & NEWMAN, New York, N. Y. Filed Mar. 24, 1936.



For Men's Outer Shirts and Men's Pajamas.
Claims use since October, 1935.

Ser. No. 376,362. VANDEWART CO., INC., New York, N. Y. Filed Mar. 24, 1936.

VANGORA Knitted

The word "Knitted" is disclaimed apart from the mark.
For Ladies' and Misses' Knitted Dresses, Blouses, Skirts, Sweaters, Scarfs, and Bathing Suits.
Claims use since May, 1935.

Ser. No. 376,629. THE A. J. DONAHUE CORPORATION, Milford, Conn. Filed Mar. 31, 1936.

FLATEX

For Garters.
Claims use since Mar. 25, 1936.

Ser. No. 376,670. FRANKLIN SIMON & CO., INC., New York, N. Y. Filed Apr. 1, 1936.

SHIRTSTER

For Women's and Misses' Clothing—Namely, Dresses, Blouses, Nightgowns, Pajamas, and Negligees.
Claims use since Mar. 15, 1936.

Ser. No. 376,741. SUSQUEHANNA WAIST COMPANY, Philadelphia, Pa. Filed Apr. 2, 1936.

Lady Linen

The word "Linen" is disclaimed apart from the mark.
For Ladies' Blouses and Dresses.
Claims use since Mar. 18, 1936.

Ser. No. 376,749. CAVENDISH TRADING CORPORATION, New York, N. Y. Filed Apr. 3, 1936.

True Test

For Ladies' and Misses' Underwear—Namely, Chemises, Step-Ins, Petticoats, Slips, and Hosiery.
Claims use since Mar. 1, 1936.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 370,061. MUSCATINE PEARL WORKS, INC., Muscatine, Iowa. Filed Oct. 5, 1935.

Luckyday

For Buttons, Slides, Buckles, and Fobs, All Made of Non-Precious Metal.
Claims use since Sept. 28, 1935.

Ser. No. 375,755. BRUCE E. CEDEROTH, Chicago, Ill. Filed Mar. 9, 1936.

BYES

For Shoe Laces.
Claims use since Mar. 6, 1935.

Ser. No. 376,041. WILLIAM FINKELSTEIN, doing business as Eastern Trading Co., New York, N. Y. Filed Mar. 16, 1936.

Air Flow

For Non-Electrical Hair Curlers.
Claims use since Feb. 29, 1936.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 368,585. SOCIÉTÉ ANONYME RODIER, Paris, France. Filed Aug. 22, 1935.

MANIFYL

For Piece Goods of Wool, Hair, Silk, Artificial Silk, Hemp, Flax, Jute, and Cotton, or Combinations of Said Fabrics, Tulles, Nets, Veils, Muslin Piece Goods, Laces in the Piece and Lace Trimming in the Nature of Insertion or Edging Sold in the Piece, Ribbon Sold by the Yard or Bolt, Hair Nets, and Handkerchiefs.
Claims use since Oct. 10, 1934.

Ser. No. 373,733. THE HETTRICK MANUFACTURING COMPANY, Toledo, Ohio. Filed Jan. 16, 1936.

RED GREEN LINE

The drawing is lined for red and green.
For Laundry Textiles Consisting of Apron Textile Material for Use with Laundry Machine Rolls, Cotton Padding for Laundry Machine Rolls, Table Felt Cloth for Laundry Machine Rolls, Cover Cloth for Laundry Machine Rolls, and Netted Material for Laundry Receptacles.
Claims use since December, 1931.

Ser. No. 374,108. VAN RAALTE COMPANY, New York, N. Y. Filed Jan. 25, 1936.

KAVAN KLOTH

The word "Kloth" is disclaimed.
For Warp Knitted Fabric; Rayon or Rayon and Silk or Rayon and Cotton Fabrics in the Piece.
Claims use since Dec. 30, 1935.

Ser. No. 374,185. N. ERLANGER, BLUMGART & CO., INC., New York, N. Y. Filed Jan. 28, 1936.

Zerol

For Suit Lining Material Made of a Combination of Cotton, Silk, and Rayon.
Claims use since Nov. 6, 1935.

Ser. No. 375,104. A. STEINAM COMPANY, INC., New York, N. Y. Filed Feb. 21, 1936.

FLORIDIAN Suitings

The words "Floridian Suitings" are disclaimed apart from the mark.
For Cotton Goods in the Piece.
Claims use since Feb. 13, 1936.

Ser. No. 375,714. FERDINAND W. MOSTERTZ, Philadelphia, Pa. Filed Mar. 7, 1936.

Mos-Tex

The term "Mos" is disclaimed except as shown.
For Textile Fabrics Comprising Pile and Flat Woven Fabrics of Cotton, Ramie, Linen, Silk, Animal Fibre and/or Artificial Silk.
Claims use since Oct. 1, 1929.

Ser. No. 376,085. F. GROTE & HUBBELL CO., INC., New York, N. Y. Filed Mar. 17, 1936.

Draillib.

For Billiard Cloth and Woven Fabrics in the Piece Comprised in Whole or in Part of Wool.
Claims use since Aug. 1, 1899.

Ser. No. 376,346. ISELIN-JEFFERSON COMPANY, New York, N. Y. Filed Mar. 24, 1936.

"ROAD-TEX"

For Cotton Piece Goods.
Claims use since Mar. 11, 1936.

Ser. No. 376,355. E. S. MENDELSON & CO., INC., New York, N. Y. Filed Mar. 24, 1936.

IMPERIAL DYNASTY PRINTS

The word "Prints" is disclaimed apart from the mark.
For Silk, Artificial Silk, and Cotton Textile Fabrics in the Piece, and Combinations of Such Materials.
Claims use since Sept. 10, 1935.

Ser. No. 376,376. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Mar. 25, 1936.

CELANATTE

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Dec. 19, 1935.

Ser. No. 376,575. HARRY COHEN, doing business as Harry Cohen & Company, Seattle, Wash. Filed Mar. 30, 1936.

"KITCHEN-MAID"

For Dish Towels Made Out of Flour-Sack Cloth.
Claims use since January, 1933.

Ser. No. 376,609. SIEGEL BROS. KIKI MAID KOATS INC., New York, N. Y. Filed Mar. 30, 1936.

CORONATION

For Piece Goods Made of Wool, Cotton, Rayon, Silk, Artificial Silk, Artificial Fibers, and Combinations of the same.
Claims use since Jan. 2, 1936.

Ser. No. 376,618. S. J. ARONSOHN, INC., New York, N. Y. Filed Mar. 31, 1936.

TROPICANA

For Rayon and Silk Fabrics in the Piece.
Claims use since Mar. 10, 1936.

Ser. No. 376,884. ATLAS MILLS INC., New York, N. Y. Filed Apr. 7, 1936.

AN AMI TESTED FABRIC

The words "Tested Fabric" are disclaimed apart from the mark.
For Silk and/or Rayon and/or Cotton Piece Goods.
Claims use since January, 1936.

Ser. No. 376,885. ATLAS MILLS INC., New York, N. Y. Filed Apr. 7, 1936.

CREAM OF THE CROP

For Silk and/or Rayon and/or Cotton Piece Goods.
Claims use since August, 1934.

Ser. No. 376,886. ATLAS MILLS INC., New York, N. Y. Filed Apr. 7, 1936.

HEAD OVER HEELS

For Silk and/or Rayon and/or Cotton Piece Goods.
Claims use since April, 1929.

Ser. No. 376,887. ATLAS MILLS INC., New York, N. Y. Filed Apr. 7, 1936.

SWEET LADY

For Silk and/or Rayon and/or Cotton Piece Goods.
Claims use since November, 1925.

CLASS 43

Thread and Yarn

Ser. No. 368,534. ROBERT PICKLES, LIMITED, Burnley, England. Filed Aug. 21, 1935.

VISCOLAX

For Elastic Threads Made Principally of Rubber.
Claims use since Mar. 6, 1935.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 364,332. H. B. DROLLINGER, South Pasadena, Calif. Filed Apr. 29, 1935.

H.B. DROLLINGER ION-I-ZER
HEALTH IS WEALTH
TRADE MARK
THE UNIVERSAL HEALTH RESTORER
ION-I-ZER

The words "The Universal Health Restorer", "Trade-Mark", and "Ion-I-Zer" are disclaimed.
For Electrical Solenoidal Instrument for Relieving Congestions and the Like.
Claims use since October, 1927.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 348,508. FRANK MAZETTA, Grantwood, N. J. Filed Mar. 12, 1934.

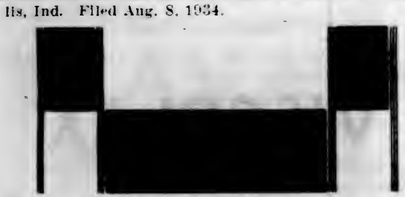
"Baby Rose Marie"



Baby Rosemarie

The portrait and signature are those of applicant's infant daughter, Rosemarie Mazetta.
For Foods and Confectionery—Namely, Chocolate Bars, Chewing Gum, Lollipops, and Candy.
Claims use since Mar. 6, 1934.

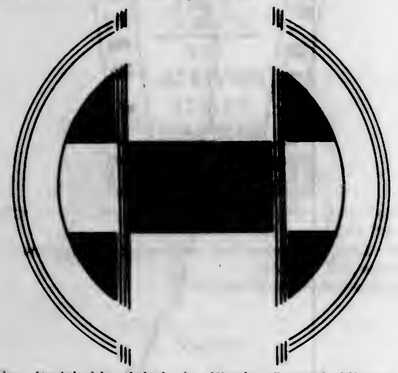
Ser. No. 354,752. KINGAN & CO. INCORPORATED, Indianapolis, Ind. Filed Aug. 8, 1934.



For Tripe, Dried Beef, Pigs' Feet, Corned Beef Hash, Tongue, Fresh Sausages, Cured Sausages, Cooked Brains, Chili Con Carne, Meat Loaves, Potted Meat, Bacon, Lard, Eggs, Sandwich Spread, Chopped Beef.

Claims use since June 9, 1934, on tripe; since Dec. 10, 1933 on dried beef; since May 1, 1934, on pig's feet; since Apr. 25, 1934, on corned beef hash; since June 1, 1934, on tongue; since Nov. 27, 1933, on fresh sausages; since Apr. 1, 1934, on cured sausages; since Mar. 25, 1934, on cooked brains; since June, 1934, on chili con carne; since Apr. 17, 1934, on Meat Loaves; since Apr. 1, 1934, on potted meat; since Dec. 10, 1933, on bacon; since Nov. 27, 1933, on lard; since July 11, 1934, on eggs; since Mar. 15, 1934, on sandwich spread and chopped beef.

Ser. No. 354,753. KINGAN & CO. INCORPORATED, Indianapolis, Ind. Filed Aug. 8, 1934.



For Perishable Salad (a Finely Ground Mixture of Ham and Condiments).

Claims use since Apr. 18, 1934.

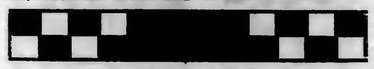
Ser. No. 354,754. KINGAN & CO. INCORPORATED, Indianapolis, Ind. Filed Aug. 8, 1934.



For Pickled Pigs Feet, Pickled Pigs Feet Tidbits, Spiced Lamb Tongues, Salad—Namely, a Finely Ground Mixture of Ham and Condiments.

Claims use since May 1, 1934, on pickled pigs feet; and pickled pigs feet tidbits; since July 11, 1934, on spiced lamb tongues; and since Apr. 18, 1934, on salad—namely, a finely ground mixture of ham and condiments.

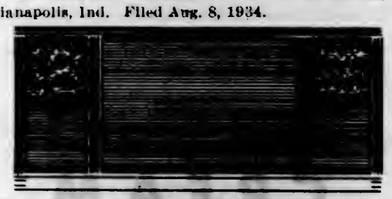
Ser. No. 354,755. KINGAN & CO. INCORPORATED, Indianapolis, Ind. Filed Aug. 8, 1934.



For Bacons, Cured Hams, Cured Shoulders, Dried Beef, Cooked Ham, Cooked Canadian Roll (Boned and Rolled Pork Loin, Smoke-Cured and Baked).

Claims use since Feb. 10, 1934, on bacons, cured hams, cured shoulders, and dried beef; since May 2, 1934, on cooked ham, and cooked Canadian roll (boned and rolled pork loin, smoke-cured and baked).

Ser. No. 354,756. KINGAN & CO. INCORPORATED, Indianapolis, Ind. Filed Aug. 8, 1934.

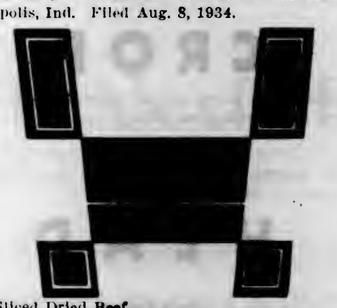


The drawing is lined for shading.

For Pork Tasty (a Finely Ground Mixture of Ham and Condiments) and Breakfast Sausage.

Claims use since Dec. 10, 1933.

Ser. No. 354,759. KINGAN & CO. INCORPORATED, Indianapolis, Ind. Filed Aug. 8, 1934.



For Sliced Dried Beef.

Claims use since Dec. 10, 1933.

Ser. No. 354,760. KINGAN & CO. INCORPORATED, Indianapolis, Ind. Filed Aug. 8, 1934.

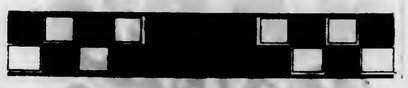


The drawing is lined for shading.

For Sliced Bacon.

Claims use since Dec. 16, 1933.

Ser. No. 354,761. KINGAN & CO. INCORPORATED, Indianapolis, Ind. Filed Aug. 8, 1934.



For Boiled Ham, Ham, Boned and Rolled, Cured Ham, Cured Skinned Ham, Breakfast Bacon.

Claims use since June, 1934.

Ser. No. 354,762. KINGAN & CO. INCORPORATED, Indianapolis, Ind. Filed Aug. 8, 1934.

KINGAN'S RELIABLE

Applicant is the owner of Certificates Nos. 66,928 and 115,766, issued under the ten-year proviso. The drawing is lined for shading.

For Tripe, Dried Beef, Sliced Dried Beef, Pickled Pigs Feet Tidbits, Spiced Pigs Feet, Spiced Pigs Feet, Vinegar Pickled, Vienna Sausage, Vienna Sausage with Cereal Added, Corn Beef Hash, Ox Tongue, Lunch Tongue, Pure Pork Sausage, Breakfast Sausage, Potted Meat, Potted Meat with Cereal, Corn Beef Hash, Cooked Brains, Chili Con Carne, Chili Con Carne with Beans, Spiced Lamb Tongues, Salad (Ham and Pickle Mixture), Meat Loaf, Meat Loaf with Cheese, Macaroni and Pimiento; Spiced Meat Loaf, Bacon, Pig Breakfast Bacon, Sliced Bacon, Sliced Canadian Bacon and Whole Canadian Bacon, Cured Ham, Cooked Ham, Ham, Boned and Rolled, Ham, Skinned, Lard, Pork Tasty (Cured and Smoked Shoulder), Pork Sausage Links, German Wieners, Eggs, Pickled Pigs Feet.

Claims use since June 9, 1934, on tripe; since Feb. 10, 1934, on dried beef; since Dec. 10, 1933, on sliced dried beef; since May 1, 1934, on pickled pigs feet tidbits; since May 1, 1934, on spiced pigs feet; since May 1, 1934, on spiced pigs feet, vinegar pickled; since Apr. 1, 1934, on Vienna sausage; since June, 1934, on Vienna sausage with cereal added; since Apr. 25, 1934, on corn beef hash; since June, 1934, on ox tongue; since Sept. 19, 1933, on lunch tongue; since Nov. 27, 1933, on pure pork sausage; since Nov. 27, 1933, on breakfast sausage; since Apr. 1, 1934, on potted meat; since Apr. 1, 1934, on potted meat with cereal; since Apr. 25, 1934, on corn beef hash; since Mar. 25, 1934, on cooked brains; since June, 1934, on chili con carne; since June, 1934, on chili con carne with beans; since June, 1934, on spiced lamb tongues; since Apr. 18, 1934, on salad (ham and pickle mixture); since Apr. 17, 1934, on meat loaf; since Apr. 17, 1934, on meat loaf with cheese, macaroni and pimiento; since Apr. 17, 1934, on spiced meat loaf; since Feb. 10, 1934, on bacon; since Feb. 10, 1934, on pig breakfast bacon; since Dec. 10, 1933, on sliced bacon; since Dec. 10, 1933, on sliced Canadian bacon and whole Canadian bacon; since Feb. 10, 1934, on cured ham; since May 2, 1934, on cooked ham; since Mar. 1, 1934, on ham, boned and rolled; since Feb. 10, 1934, on ham, skinned; since Nov. 27, 1933, on lard; since Dec. 10, 1933, on pork tasty (cured and smoked shoulder); since Nov. 27, 1933, on pork sausage links; since July 11, 1934, on German wieners; since July 11, 1934, on eggs; and since May 1, 1934, on pickled pigs feet.

Ser. No. 365,820. SALT LAKE MILK PRODUCERS ASSOCIATION, Salt Lake City, Utah. Filed June 5, 1935.

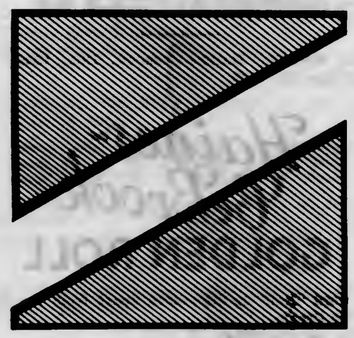
GOLDEN GLORY DAIRY PRODUCTS

The words "Dairy Products" are disclaimed apart from the mark.

For Fresh Milk and Cream.

Claims use since July 11, 1934.

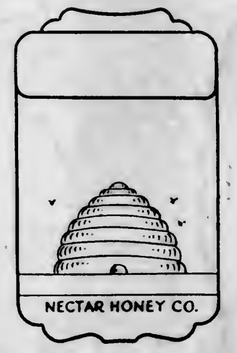
Ser. No. 365,866. STANDARD BRANDS INCORPORATED, New York, N. Y. Filed June 6, 1935.



For Baking Powder.

Claims use since July, 1934.

Ser. No. 367,540. NECTAR HONEY CO., Los Angeles, Calif. Filed July 22, 1935.



The representation of a label is disclaimed apart from the mark.

For Honey Packed in Cans and Jars.

Claims use since Apr. 1, 1935.

Ser. No. 368,189. SCHERLIS & KATZ FISH CO., INC., Baltimore, Md. Filed Aug. 10, 1935.

GOOD LUCK MARINAT HERRING

The representation of the fish and all wording except "Good Luck" are disclaimed apart from the mark.
For Fish—Namely, Cured Herring.
Claims use since 1932.

Ser. No. 369,273. HAINES-CEBROOK, INC., Lynn, Mass. Filed Sept. 13, 1935.

Haines-CeBrook GOLDEN ROLL

The word "Roll" is disclaimed apart from the mark.
For Ice Cream.
Claims use since May 15, 1935.

Ser. No. 370,341. DUTCH TEA RUSK COMPANY, Holland, Mich. Filed Oct. 14, 1935.



The words "Ready-Toast" are disclaimed apart from the mark. The drawing is lined for red and blue.
For Toasted Bread Product.
Claims use since Sept. 6, 1935.

Ser. No. 373,538. PIGGLY WIGGLY CORPORATION, Cincinnati, Ohio. Filed Jan. 10, 1936.

Sunset Gold

For Dry and Cooked Breakfast Cereals.
Claims use since Dec. 14, 1935.

Ser. No. 373,745. PIONEER PRODUCTS COMPANY, Fort Worth, Tex. Filed Jan. 16, 1936.

SALTONIES

For Cereals—Namely, Puffed Corn.
Claims use since Jan. 1, 1936.

Ser. No. 374,048. H. P. GARIN COMPANY, doing business as Four Star Produce Co. by H. P. Garin, receiver of H. P. Garin Company, San Francisco, Calif. Filed Jan. 24, 1936.

4 STAR

For Fresh Vegetables.
Claims use since Nov. 11, 1933.

Ser. No. 374,748. FROLES PREPARED FLOUR PRODUCTS, INC., New York, N. Y. Filed Feb. 12, 1936.

FROLES

For Prepared Flour Preparations for Making Muffins, Gingerbread, Biscuits, Pie Crust, Doughnuts, Cake, Pancakes, and Waffles; Puddings and Icings.
Claims use since Oct. 1, 1935.

Ser. No. 375,020. MAKAY COFFEE COMPANY, INC., New York, N. Y. Filed Feb. 19, 1936.

L'RAY

For Coffee.
Claims use since February, 1933.

Ser. No. 375,089. LYONS-MAGNUS, INCORPORATED, San Francisco, Calif. Filed Feb. 21, 1936.

MELLOW DRIPS



For Food Syrups Made with Corn Syrup, Invert, and Cane Sugar.
Claims use since June, 1933.

Ser. No. 375,653. JOSEPH LUNTZ, doing business as Melvite Company, Brooklyn, N. Y. Filed Mar. 6, 1936.

MELVITE

For Powdered Malt Food, Eatable in Powdered Form But Intended to be Mixed With Food Beverages.
Claims use since December, 1935.

Ser. No. 375,829. SUSSMAN, WORMSER & CO., San Francisco, Calif. Filed Mar. 11, 1936.



The drawing is lined for two shades of green.
For Coffee.
Claims use since Mar. 2, 1936.

Ser. No. 375,877. CHARMS COMPANY, Bloomfield, N. J. Filed Mar. 12, 1936.

25 CARAT

For Candy.
Claims use since Feb. 15, 1935.

Ser. No. 376,001. OTATO CORPORATION OF IDAHO, Garwood, N. J. Filed Mar. 14, 1936.

SPRAY-SPUD

For Potato Flour for Bread and Sweet Goods.
Claims use since Feb. 1, 1936.

Ser. No. 376,271. FOOD PRODUCTS CO. OF AMERICA, Chicago, Ill. Filed Mar. 23, 1936.



D'OroReso

For Tomato Paste With Basil.
Claims use since Jan. 11, 1936.

Ser. No. 376,305. SOY BEAN PRODUCTS CO., Chicago, Ill. Filed Mar. 23, 1936.

SOYNUTS

For Nut-like Edible Product Consisting of Soy Beans Roasted in Oil.
Claims use since Oct. 1, 1934.

Ser. No. 376,414. STANLEY FRUIT CO., Phoenix, Ariz. Filed Mar. 25, 1936.

SKY-TOP

For Fresh Vegetables.
Claims use since Dec. 1, 1935.

Ser. No. 376,479. LINDSAY FRUIT DISTRIBUTORS, INC., Lindsay, Calif. Filed Mar. 27, 1936.

COMMERCE

For Fresh Citrus Fruit.
Claims use since Mar. 20, 1936.

Ser. No. 376,485. NATIONAL MILLS INCORPORATED, Quincy, Ill. Filed Mar. 27, 1936.

Soynuts

For Processed and Roasted Soybeans.
Claims use since Mar. 1, 1936.

Ser. No. 376,529. DIAMENT, INC., Chicago, Ill. Filed Mar. 28, 1936.

STEPPIN' HI

For Candy.
Claims use since Feb. 13, 1936.

Ser. No. 376,682. FREDERICK F. LOWENFELS & SON, New York, N. Y. Filed Apr. 1, 1936.

SQUARED ROLL

For Butter, a Food.
Claims use since Feb. 5, 1936.

Ser. No. 376,705. HALES & HUNTER CO., Chicago, Ill. Filed Apr. 1, 1936.

GOLD-FLAKE

For Horse and Cattle Feed.
Claims use since June 1, 1910.

Ser. No. 376,751. CONTINENTAL FOODS, INC., Chicago, Ill. Filed Apr. 3, 1936.

HI-BRED

For Canned Foods for Dogs, Cats, and Other Carnivorous Animals.
Claims use since Jan. 27, 1936.

Ser. No. 376,761. KING FULLER COMPANY, Chicago, Ill. Filed Apr. 3, 1936.

TOP HAT

For Canned Fruits and Vegetables, Pickles, Olives, Mustard, Vinegar, Olive Oil, Pepper, Barbecue Sauce, Mayonnaise, Peanut Butter, Candied Fruits, and Cheese.
Claims use since Feb. 14, 1936.

Ser. No. 376,868. WM. H. SCHWETTMANN CO., INC., Brooklyn, N. Y. Filed Apr. 6, 1936.

PRIDE of WALLABOUT

For Canned Fruits and Vegetables
Claims use since 1930.

CLASS 48

Malt Beverages and Liquors

Ser. No. 370,863. P. BALLANTINE AND SONS, Newark, N. J. Filed Oct. 28, 1935.



The drawing is lined for color, the background being copper colored and the color forming the body of the name "Ballantine's" between the lines which outline the letters thereof. The representation of the label is disclaimed.
For Beer and Ale.
Claims use since Sept. 25, 1935.

Ser. No. 377,220. GREEN TREE BREWERIES INCORPORATED, St. Louis, Mo. Filed Apr. 15, 1936.

Green Tree

For Beer.
Claims use since Oct. 26, 1934.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 349,822. COMPAÑIA RON BACARDI, S. A., Santiago, Cuba. Filed Apr. 11, 1934.

CARTA DE ORO
BACARDI Y CIA

Applicant is the owner of trade-mark registration No. 310,654.
For Rum.
Claims use since 1887.

Ser. No. 377,076. WEST SHORE WINE & LIQUOR COMPANY, INC., New York, N. Y. Filed Apr. 10, 1936. Under 10-year proviso.

Ybabanero

For Fabrication of Aguardiente (Alcohol Distilled from Sugar Cane) and Wine.
Claims use since 1865.

Ser. No. 377,364. MEYER & LANGE, INC., New York, N. Y. Filed Apr. 18, 1936.

ABSANTRAL

For Cordials.
Claims use since Aug. 1, 1934.

Ser. No. 377,367. OLDETYME DISTILLERS, INC., New York, N. Y. Filed Apr. 18, 1936.

HC

For Whiskey.
Claims use since Mar. 4, 1936.

Ser. No. 377,368. OLDETYME DISTILLERS, INC., New York, N. Y. Filed Apr. 18, 1936.

MARYLAND VALLEY

For Whiskey.
Claims use since Oct. 9, 1934.

Ser. No. 377,427. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Apr. 20, 1936.

EAST GATE

For Whiskey.
Claims use since Mar. 2, 1936.

Ser. No. 377,428. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Apr. 20, 1936.

Old Patriot

For Whiskey.
Claims use since Mar. 2, 1936.

Ser. No. 377,429. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Apr. 20, 1936.

PORTRAIT

For Whiskey.
Claims use since Mar. 2, 1936.

Ser. No. 377,430. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Apr. 20, 1936.

SIGNET

For Whiskey.
Claims use since Mar. 2, 1936.

Ser. No. 377,431. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Apr. 20, 1936.

Wandle Creek

For Whiskey.
Claims use since Mar. 2, 1936.

Ser. No. 377,433. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Apr. 20, 1936.

CHIEFTAIN

For Whiskey.
Claims use since Mar. 2, 1936.

Ser. No. 377,434. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Apr. 20, 1936.

Highland Moor

For Whiskey.
Claims use since Mar. 20, 1936.

Ser. No. 377,435. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Apr. 20, 1936.

ARGYLE

For Whiskey.
Claims use since Mar. 20, 1936.

Ser. No. 377,436. HIRAM WALKER & SONS INC., Peoria, Ill. Filed Apr. 20, 1936.

RAIDER

For Whiskey.
Claims use since Mar. 18, 1936.

Ser. No. 377,447. B. C. COMPANY LTD., New York, N. Y. Filed Apr. 21, 1936.

B C

B.C. COMPANY LTD. CROSS BAR

For Whiskey, Gin, Rum, Brandy, Cognac, and Alcoholic Cordials.
Claims use since July 7, 1935.

Ser. No. 377,448. B. C. COMPANY LTD., New York, N. Y. Filed Apr. 21, 1936.

BLUE COMET

B. C. COMPANY, LTD.

For Whiskey, Gin, Rum, Brandy, Cognac, and Alcoholic Cordials.
Claims use since Sept. 23, 1935.

Ser. No. 377,449. B. C. COMPANY LTD., New York, N. Y. Filed Apr. 21, 1936.

COGNAC AUTHENTIQUE
MADE BY
J. RULLAUD-LARRET
COGNAC

B. C. COMPANY LTD.

The words "Cognac Authentique," "Made By," "J. Rullaud-Larret," and "Cognac" are disclaimed apart from the mark.
For Whiskey, Gin, Rum, Brandy, Cognac, and Alcoholic Cordials.
Claims use since Mar. 2, 1936.

Ser. No. 377,469. MAJESTIC DISTILLING COMPANY, INC., Baltimore, Md. Filed Apr. 21, 1936.

OLD BRUIN

For Whiskey, Gin, Brandy, Cognac, and Alcoholic Cordials.
Claims use since Jan. 15, 1935.

Ser. No. 377,470. MAJESTIC DISTILLING COMPANY, INC., Baltimore, Md. Filed Apr. 21, 1936.

Sherry Dale

For Whiskey, Gin, Brandy, Rum, Cognac, and Cordials.
Claims use since Apr. 4, 1934.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

MAY 26, 1936

335,084. CANDY BARS. HENRY N. BARTMAN, Chicago, Ill.
Filed November 27, 1935. Serial No. 372,037. PUBLISHED MARCH 17, 1936. Class 46.

335,085. AIR CONDITIONING UNITS. THE COROZONE AIR CONDITIONING CORPORATION, Cleveland, Ohio.
Filed November 30, 1935. Serial No. 372,132. PUBLISHED MARCH 17, 1936. Class 34.

335,086. READY-MIXED PAINTS, READY-TO-MIX PAINTS, PAINT ENAMELS, PASTE, AND DRY PAINTS. NORFOLK PAINT & VARNISH COMPANY, Quincy, Mass.
Filed November 30, 1935. Serial No. 372,141. PUBLISHED MARCH 17, 1936. Class 16.

335,087. EYE MEDICINE FOR ACUTE INFLAMMATION OF THE EYES. CLEMENT B. PECK, doing business as Three C Laboratories, Cleveland, Ohio.
Filed December 2, 1935. Serial No. 372,180. PUBLISHED MARCH 10, 1936. Class 6.

335,088. CONCENTRATE VITAMIN TABLETS. L. HEUMANN & Co. INC., New York, N. Y.
Filed December 3, 1935. Serial No. 372,205. PUBLISHED MARCH 10, 1936. Class 6.

335,089. RAW (ALSO PARTIALLY PROCESSED) CLAY USED IN NEUTRALIZING, FILTERING, AND BLEACHING. CHAMBERLAIN COMPANY, INC., Los Angeles, Calif.
Filed December 5, 1935. Serial No. 372,273. PUBLISHED MARCH 10, 1936. Class 1.

335,090. COMPOUND FOR USE IN STOPPING LEAKS IN AUTOMOBILE AND TRACTOR RADIATORS. BENJAMIN WEISS, doing business as Ohio Chemical Co., Brooklyn, N. Y.
Filed December 5, 1935. Serial No. 372,294. PUBLISHED MARCH 10, 1936. Class 6.

335,091. EMBALMING CHEMICALS. CLEMENTINA H. BETTS, doing business as Standard Fluids, Baltimore, Md.
Filed December 6, 1935. Serial No. 372,308. PUBLISHED MARCH 10, 1936. Class 6.

335,092. TABLETS CONTAINING CAFFEIN SODIO-BENZOATE. JAMES B. SUFFERN, doing business as The A. C. Tablet Company, Elmira, N. Y.
Filed December 9, 1935. Serial No. 372,442. PUBLISHED FEBRUARY 25, 1936. Class 6.

335,093. [WITHDRAWN.]

335,094. POWDERS FOR FEMININE HYGIENE. TYRRELL'S HYGIENIC INSTITUTE, INC., New York, N. Y.
Filed December 12, 1935. Serial No. 372,576. PUBLISHED MARCH 10, 1936. Class 6.

335,095. CANDLE BURNERS AND CANDLE HOLDERS. GEORGE A. FRIEDRICHS, Erie, Pa.
Filed December 14, 1935. Serial No. 372,625. PUBLISHED MARCH 17, 1936. Class 34.

335,096. SHOE UPPER LEATHER. HERMANN LOEWENSTEIN, New York, N. Y.
Filed January 10, 1936. Serial No. 373,533. PUBLISHED MARCH 17, 1936. Class 1.

335,097. WATCHES AND CLOCKS. NATHAN J. WACHTEL, New York, N. Y.
Filed January 10, 1936. Serial No. 373,544. PUBLISHED MARCH 17, 1936. Class 27.

335,098. EQUIPMENT FOR PRODUCING GALVANIC CURRENT FOR THERAPEUTIC USES. THE BURDICK CORPORATION, Milton, Wis.
Filed January 11, 1936. Serial No. 373,558. PUBLISHED MARCH 17, 1936. Class 44.

335,099. FERTILIZER, A CHEMICAL COMBINATION OF NITROGEN AND POTASH CONTAINING 95% POTASSIUM NITRATE. F. W. BERK & Co., INC., New York, N. Y.
Filed January 13, 1936. Serial No. 373,588. PUBLISHED MARCH 10, 1936. Class 10.

335,100. ASTRINGENTS, ASTRINGENT CERATES, BLEACH CREAMS, BEAUTY CREAMS, COLD CREAMS, VANISHING CREAMS, OBESITY CREAMS, ETC. FRANK C. REILLY, New York, N. Y.
Filed January 13, 1936. Serial No. 373,618. PUBLISHED MARCH 10, 1936. Class 6.

335,101. PREPARATION FOR LA GRIPPE, TONSILITIS, ARTHRITIS, AND ARTHRITIC PAINS. LOUIS G. RUBENSTEIN, Pittsburgh, Pa.
Filed January 13, 1936. Serial No. 373,620. PUBLISHED MARCH 10, 1936. Class 6.

335,102. IMPREGNATED CLOTH MATERIAL FOR SHOE STIFFENERS AND THE LIKE. CELLULOID CORPORATION, Newark, N. J.
Filed January 15, 1936. Serial No. 373,671. PUBLISHED MARCH 17, 1936. Class 50.

335,103. IMPREGNATED CLOTH MATERIAL FOR SHOE STIFFENERS AND THE LIKE. CELLULOID CORPORATION, Newark, N. J.
Filed January 15, 1936. Serial No. 373,672. PUBLISHED MARCH 17, 1936. Class 50.

335,104. OLEAGINOUS PREPARATION FOR USE AS A SCOURING, FULLING, SOFTENING, AND LUBRICATING AGENT FOR TEXTILE FIBERS. QUAKER CHEMICAL PRODUCTS CORP., Conshohocken, Pa.
Filed December 21, 1935. Serial No. 372,933. PUBLISHED MARCH 10, 1936. Class 6.

335,105. VACUUM BREAKERS AND FLUSH VALVES WITH VACUUM BREAKERS. CRANE CO., Chicago, Ill.
Filed December 21, 1935. Serial No. 372,941. PUBLISHED MARCH 17, 1936. Class 13.

335,106. INSECTICIDES, INSECT REPELLENTS, AND INSECT SPRAYS. ODORA COMPANY, INC., New York, N. Y.
Filed December 21, 1935. Serial No. 372,942. PUBLISHED MARCH 10, 1936. Class 6.

335,107. BRAIN EMULSION FOR THE TREATMENT OF NERVOUS DISORDERS. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed December 23, 1935. Serial No. 372,988. PUBLISHED MARCH 10, 1936. Class 6.

335,108. BRAIN EMULSION FOR THE TREATMENT OF NERVOUS DISORDERS. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed December 23, 1935. Serial No. 372,989. PUBLISHED MARCH 10, 1936. Class 6.

335,109. ANTI-FREEZE SOLUTIONS. STEWART-WARNER CORPORATION, Chicago, Ill.
Filed December 23, 1935. Serial No. 373,002. PUBLISHED MARCH 10, 1936. Class 6.

335,110. NEWSPAPER CARTOON. HEARST ENTERPRISES, INCORPORATED, New York, N. Y.
Filed December 24, 1935. Serial No. 373,031. PUBLISHED MARCH 10, 1936. Class 38.

335,111. SALVE FOR COLDS, HEADACHES, RHEUMATIC OR MUSCULAR PAINS, LOCAL CONGESTION AND IRRITATION, SUNBURNS, BURNS, AND SCALDS, NOSE DROPS, LINIMENT, ETC. CELINE WILLIAMS, doing business as Minute Products Co., Brooklyn, N. Y.
Filed December 24, 1935. Serial No. 373,059. PUBLISHED MARCH 3, 1936. Class 6.

335,112. AIR CONDITIONING UNIT AND APPARATUS USED FOR COOLING ROOMS, COMPARTMENTS, AND THE LIKE. BAKER ICE MACHINE COMPANY, INC., Omaha, Nebr.
Filed December 26, 1935. Serial No. 373,066. PUBLISHED MARCH 17, 1936. Class 34.

335,113. CIGARETTES. THE AMERICAN TOBACCO COMPANY, New York, N. Y.
Filed December 26, 1935. Serial No. 373,065. PUBLISHED MARCH 10, 1936. Class 17.

335,114. COAL. HAROLD C. CONSTANT, doing business as Constant Service, Lawrence, Kans.
Filed December 26, 1935. Serial No. 373,070. PUBLISHED MARCH 10, 1936. Class 1.

335,115. CHEMICALS USEFUL AS PHOTOGRAPHIC DEVELOPERS AND AS RUBBER COMPOUNDING CHEMICALS. TENNESSEE EASTMAN CORPORATION, Kingsport, Tenn.
Filed December 26, 1935. Serial No. 373,087. PUBLISHED MARCH 10, 1936. Class 6.

335,116. PERIODICAL PUBLICATION, MORE PARTICULARLY A RATE, MILEAGE, TRUCK, AND RAIL GUIDE CONTAINING LISTINGS, RATES, AND VARIOUS OTHER INFORMATION AND DATA PERTAINING TO TRASPORTATION BY RAILROADS AND TRUCKS. JAMES T. IGOE PUBLISHERS, Chicago, Ill.
Filed December 30, 1935. Serial No. 373,118. PUBLISHED MARCH 10, 1936. Class 38.

335,117. BACON; BONELESS BUTT; BRAINS AND GRAVY; BUTTER; CHEESE; CANNED CHICKEN; CHILI CON CARNE; COFFEE; CORNED BEEF; ETC. JOHN MORRELL & Co., Ottumwa, Iowa.
Filed January 24, 1935. Serial No. 360,645. PUBLISHED MARCH 17, 1936. Class 46.

335,118. WATCH CASES AND WATCH MOVEMENTS. ILLINOIS WATCH CASE COMPANY, Elgin, Ill.
Filed January 30, 1935. Serial No. 360,848. PUBLISHED APRIL 30, 1935. Class 27.

335,119. GUARDS FOR PAINT BRUSHES. STAR BRUSH MANUFACTURING COMPANY, INC., Long Island City, N. Y.
Filed February 20, 1935. Serial No. 361,639. PUBLISHED MARCH 10, 1936. Class 29.

335,120. WINES. SOCIETE HELLENIQUE DE VINS ET SPIRITUEUX, S. A., Athens, Greece.
Filed April 19, 1935. Serial No. 363,991. PUBLISHED MARCH 17, 1936. Class 47.

335,121. HAIR PREPARATIONS. CHRISTINE WILLIAMS, doing business as M. C. Williams Mfg., Buffalo, N. Y.
Filed April 27, 1935. Serial No. 364,406. PUBLISHED MARCH 10, 1936. Class 6.

335,122. PREPARATION FOR MAKING PAPER WATERPROOF. LOUIS DE JONGE & Co., New York, N. Y.
Filed January 9, 1936. Serial No. 373,488. PUBLISHED MARCH 10, 1936. Class 6.

335,123. STATIONERY CONSISTING OF WRITING PAPER IN THE FORM OF POUND GOODS AS WELL AS REAM GOODS, ENVELOPES, AND PAPETERIES. EATON PAPER CORPORATION, Pittsfield, Mass.
Filed October 20, 1934. Serial No. 357,332. PUBLISHED MARCH 17, 1936. Class 37.

335,124. LUBRICATING OIL. SUN OIL COMPANY, Philadelphia, Pa.
Filed October 17, 1934. Serial No. 357,187. PUBLISHED MARCH 10, 1936. Class 15.

335,125. BICYCLES. MONARK BATTERY COMPANY, INC., Chicago, Ill.
Filed August 1, 1934. Serial No. 354,518. PUBLISHED SEPTEMBER 18, 1934. Class 19.

335,126. AUTOMOBILE HEATERS UTILIZING HOT FLUIDS FROM THE ENGINE. CENTRAL SPECIALTY COMPANY, Ypsilanti, Mich.
Filed July 25, 1934. Serial No. 354,275. PUBLISHED MARCH 17, 1936. Class 19.

335,127. COAL STOVES AND RANGES. THE MOORE CORPORATION, Joliet, Ill.
Filed July 16, 1934. Serial No. 353,939. PUBLISHED SEPTEMBER 3, 1935. Class 34.

335,128. MEDICINAL PREPARATIONS FOR THE TREATMENT OF GENERAL RESPIRATORY AND INTESTINAL DISEASES IN TURKEYS AND OTHER POULTRY. V. A. GRANT, doing business as Von Buron Laboratories, Independence, Iowa.
Filed December 31, 1935. Serial No. 373,212. PUBLISHED MARCH 10, 1936. Class 6.

335,129. MEDICINAL PREPARATIONS FOR THE TREATMENT OF GENERAL RESPIRATORY AND INTESTINAL DISEASES IN RABBITS AND OTHER ANIMALS AND LIVE STOCK. V. A. GRANT, doing business as Von Buron Laboratories, Independence, Iowa.
Filed December 31, 1935. Serial No. 373,211. PUBLISHED MARCH 10, 1936. Class 6.

335,130. LEAD PENCILS. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.
Filed December 31, 1935. Serial No. 373,203. PUBLISHED MARCH 10, 1936. Class 37.

335,131. COAL. THE CLEVELAND-CLIFFS IRON CO., Cleveland, Ohio.
Filed December 31, 1935. Serial No. 373,199. PUBLISHED MARCH 17, 1936. Class 1.

335,132. MEDICINAL PREPARATIONS INDICATED IN THE TREATMENT OF NERVOUS DISEASES IN GENERAL, NERVOUS EXHAUSTION, NEURASTHENIA, SKIN AFFECTIONS, MEASLES, ROSEOLA, SCARLATINA, ERYSIPELAS, ETC. LÖWEN-APOTHEKE ALEXANDER MÜLLER SEPDELEN-WERK, Bad-Kreuznach, Germany.
Filed December 30, 1935. Serial No. 373,177. PUBLISHED MARCH 10, 1936. Class 6.

335,133. MOTOR LUBRICATING OILS. FIDELITY OIL COMPANY, INC., Spartanburg, S. C.
Filed December 28, 1935. Serial No. 373,134. PUBLISHED MARCH 3, 1936. Class 15.

335,134. PAINT BRUSHES. INDIANAPOLIS PAINT & COLOR Co., Indianapolis, Ind.
Filed January 20, 1936. Serial No. 373,871. PUBLISHED MARCH 10, 1936. Class 29.

335,135. COAL. SMOKELESS FUEL COMPANY, Charleston, W. Va.
Filed January 18, 1936. Serial No. 373,843. PUBLISHED MARCH 17, 1936. Class 1.

335,136. COAL. OLD BEN COAL CORPORATION, Chicago, Ill.
Filed January 18, 1936. Serial No. 373,836. PUBLISHED MARCH 10, 1936. Class 1.

335,137. WHISKEY, GIN, RUM, RYE, BRANDY, AND ALCOHOLIC CORDIALS. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa.
Filed January 18, 1936. Serial No. 373,820. PUBLISHED MARCH 17, 1936. Class 49.

335,138. HANDBAGS, TRAVELING BAGS, PURSES, AND POCKETBOOKS. HARRY S. STONE, INC., New York, N. Y.
Filed January 16, 1936. Serial No. 373,758. PUBLISHED MARCH 17, 1936. Class 3.

335,139. JEWELRY, POWDER, AND UTILITY CASES; FLOWER VASES, YARN HOLDERS, AND COIN HOLDERS, ALL OF CELLULOSE ACETATE AND RESINOL DERIVATIVES. JOSEPH H. MEYER BROTHERS, Brooklyn, N. Y.
Filed January 15, 1936. Serial No. 373,711. PUBLISHED MARCH 17, 1936. Class 2.

335,140. WOOL YARNS. JAMES LEES & SONS COMPANY, Bridgeport, Pa.
Filed January 15, 1936. Serial No. 373,692. PUBLISHED MARCH 10, 1936. Class 43.

335,141. PERIODICAL ISSUED EIGHT TIMES A YEAR. ESQUIRE, INC., Chicago, Ill.
Filed November 25, 1935. Serial No. 371,968. PUBLISHED MARCH 10, 1936. Class 38.

335,142. CHAINS AND CHAIN LINKS. THE JEFFREY MANUFACTURING COMPANY, Columbus, Ohio.
Filed November 16, 1935. Serial No. 371,636. PUBLISHED MARCH 17, 1936. Class 13.

335,143. NATURAL VEGETABLE OIL, HAIR TONIC, LILAC LOTION, WITCH HAZEL, EGYPTIAN HENNA PREPARATION FOR THE HAIR, HAIR COLORING, ETC. SAM HAGLER, doing business as West Point Laboratories, New York, N. Y.
Filed November 13, 1935. Serial No. 371,494. PUBLISHED MARCH 10, 1936. Class 6.

335,144. PERFUMES. HYMAN DITCHIK, doing business as Hollywood Laboratories, New York, N. Y.
Filed November 13, 1935. Serial No. 371,490. PUBLISHED MARCH 10, 1936. Class 6.

335,145. TOILET WATER. ETABLISSEMENTS RIGAUD, INC., New York, N. Y.
Filed November 12, 1935. Serial No. 371,465. PUBLISHED MARCH 10, 1936. Class 6.

335,146. PREPARATION FOR TREATING HAIR AND FOR USE IN WAVING OR CURLING HAIR. THE NESTLE-LE MUR COMPANY, New York, N. Y.
Filed November 9, 1935. Serial No. 371,394. PUBLISHED MARCH 10, 1936. Class 6.

335,147. ELECTRICAL PERMANENT WAVING DEVICES, HAIR WAVING PADS AND SANITARY SCALP PROTECTORS, AND FITTINGS FOR WAVING OR CURLING HAIR. THE NESTLE-LE MUR COMPANY, New York, N. Y.
Filed November 9, 1935. Serial No. 371,392. PUBLISHED MARCH 17, 1936. Class 44.

335,148. INHALANT. ALCURO COMPANY, Schenectady, N. Y.
Filed November 7, 1935. Serial No. 371,291. PUBLISHED JANUARY 7, 1936. Class 6.

335,149. RUST-PROOF ANTI-FREEZE PREPARATION FOR AUTOMOBILES AND SIMILAR RADIATORS. WINDSOR-LLOYD PRODUCTS, INC., Wilmington, Del.
Filed November 5, 1935. Serial No. 371,242. PUBLISHED MARCH 10, 1936. Class 6.

335,150. WHITE BLACKBOARDS AND CRAYONS SOLD AS A UNIT. PENN ART CRAYON CO., Easton, Pa.
Filed October 31, 1935. Serial No. 371,039. PUBLISHED MARCH 10, 1936. Class 50.

335,151. LOAVES OF BREAD. B. F. MUSIL, doing business as Rusk Bakery, Rusk, Tex., assignor to Claude T. Ballard, Lufkin, Tex.
Filed October 29, 1935. Serial No. 370,959. PUBLISHED MARCH 17, 1936. Class 46.

335,152. LUBRICATING OILS AND GREASES, FINISHED CUTTING AND DRAWING OILS, AND ANTI-RUSTING OILS. ALOX CORPORATION, Niagara Falls, N. Y.
Filed October 29, 1935. Serial No. 370,930. PUBLISHED MARCH 10, 1936. Class 15.

335,153. STATIONERY AND SUPPLIES—NAMELY, ROLL AND FLAT STOCK PAPER FOR USE IN BUSINESS MACHINES, JOURNAL SHEETS, AND THE LIKE. BURROUGHS ADDING MACHINE COMPANY, Detroit, Mich.
Filed October 24, 1935. Serial No. 370,757. PUBLISHED MARCH 17, 1936. Class 37.

335,154. WINE. GUILLERMO BARROS JARA, Santiago, Chile.
Filed October 18, 1935. Serial No. 370,516. PUBLISHED MARCH 17, 1936. Class 47.

335,155. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGE, SOLD AS A SOFT DRINK, SIRUP AND EXTRACT FOR MAKING THE SAME. C. E. TREES & CO., INC., Indianapolis, Ind.
Filed October 14, 1935. Serial No. 370,368. PUBLISHED MARCH 17, 1936. Class 45.

335,156. PERIODICAL PUBLICATIONS. DELTA MANUFACTURING COMPANY, Milwaukee, Wis.
Filed October 7, 1935. Serial No. 370,092. PUBLISHED MARCH 10, 1936. Class 38.

335,157. HAIR HEATING AND HAIR DRYING APPARATUS. ACME ENGINEERS, INC., Minneapolis, Minn.
Filed September 30, 1935. Serial No. 369,839. PUBLISHED MARCH 17, 1936. Class 44.

335,158. LUBRICATING OILS AND GREASES. FREDERICK HENRY RUPP, doing business under the name of Chesapeake Petroleum Company, Baltimore, Md.
Filed September 28, 1935. Serial No. 369,830. PUBLISHED NOVEMBER 19, 1935. Class 15.

335,159. ARTICLES OF TOILET AND PERFUMERY—MORE ESPECIALLY PERFUMES, EAU DE COLOGNE, TOILET WATER, LOTIONS, OIL FOR THE HAIR, BRILLIANTINE, CREAMS. KNIZE & COMP. S. A. R. L., Paris, France.
Filed September 25, 1935. Serial No. 369,701. PUBLISHED MARCH 10, 1936. Class 6.

335,160. GOLD, SILVER, AND PLATINUM WATCHES. SAVOY WATCH CO. INC., New York, N. Y.
Filed September 20, 1935. Serial No. 369,550. PUBLISHED MARCH 10, 1936. Class 27.

335,161. WEEKLY MAGAZINE. BROOKLYN DAILY EAGLE, Brooklyn, N. Y.
Filed January 10, 1936. Serial No. 373,518. PUBLISHED MARCH 10, 1936. Class 38.

335,162. FERROUS CASTINGS. THE LAKE CITY MALLEABLE CO., Cleveland, Ohio.
Filed January 9, 1936. Serial No. 373,496. PUBLISHED MARCH 17, 1936. Class 14.

335,163. PREPARATION FOR USE AS A POMADE OR DRESSING FOR THE HAIR. VALVOLINE OIL COMPANY, Cincinnati, Ohio, and New York, N. Y.
Filed January 8, 1936. Serial No. 373,470. PUBLISHED MARCH 10, 1936. Class 6.

335,164. PURSES. NAT LEWIS PURSES, INC., New York, N. Y.
Filed January 8, 1936. Serial No. 373,452. PUBLISHED MARCH 10, 1936. Class 3.

335,165. ATHLETE'S RUB. UNITED DRUG COMPANY, Boston, Mass.
Filed January 7, 1936. Serial No. 373,435. PUBLISHED MARCH 10, 1936. Class 6.

335,166. COUGH SYRUP. UNITED DRUG COMPANY, Boston, Mass.
Filed January 7, 1936. Serial No. 373,434. PUBLISHED MARCH 10, 1936. Class 6.

335,167. HARD METALLIC TUNGSTEN CARBON COBALT COMPOUNDS USED AS DIAMOND SUBSTITUTES AND AS ABRASION RESISTING MATERIALS. STOODY COMPANY, Whittier, Calif.
Filed January 7, 1936. Serial No. 373,433. PUBLISHED MARCH 17, 1936. Class 14.

335,168. COGNAC. SOCIETE DES PROPRIETAIRES VINICOLES DE COGNAC, J. G. MONNET & CIE., SOCIETE ANONYME, Cognac, France.
Filed January 6, 1936. Serial No. 373,397. PUBLISHED MARCH 17, 1936. Class 49.

335,169. HAIR DYE REMOVER. EDMOND SOUSSA, New York, N. Y.
Filed January 6, 1936. Serial No. 373,398. PUBLISHED MARCH 10, 1936. Class 6.

335,170. COGNAC. SOCIETE DES PROPRIETAIRES VINICOLES DE COGNAC, J. G. MONNET & CIE., SOCIETE ANONYME, Cognac, France.
Filed January 6, 1936. Serial No. 373,396. PUBLISHED MARCH 17, 1936. Class 49.

335,171. LEATHER. WM. FLACCUS OAK LEATHER COMPANY, Pittsburgh, Pa.
Filed January 6, 1936. Serial No. 373,373. PUBLISHED MARCH 10, 1936. Class 1.

335,172. AUTOMOBILES AND STRUCTURAL PARTS THEREOF. BRITISH MOTORS, LTD., doing business as S. S. Cars, Ltd., New York, N. Y.
Filed January 6, 1936. Serial No. 373,358. PUBLISHED MARCH 17, 1936. Class 19.

335,173. AQUEOUS DISPERSIONS OF RUBBER CONTAINING RUBBER COMPOUNDING MATERIALS. AMERICAN ANODE INC., Wilmington, Del., and Akron, Ohio.
Filed January 6, 1936. Serial No. 373,348. PUBLISHED MARCH 17, 1936. Class 1.

335,174. SEDATIVE, ANALGESIC, AND ALKALINIZING AGENT. THE BAYER COMPANY, INC., New York, N. Y.
Filed January 4, 1936. Serial No. 373,329. PUBLISHED MARCH 10, 1936. Class 6.

335,175. ANTI-FREEZE FOR RADIATORS. THE AMERICAN OIL COMPANY, Baltimore, Md.
Filed January 3, 1936. Serial No. 373,290. PUBLISHED MARCH 10, 1936. Class 6.

335,176. PREPARATIONS FOR THE TREATMENT OF BURNS. E. R. SQUIBB & SONS, New York, N. Y.
Filed January 2, 1936. Serial No. 373,271. PUBLISHED MARCH 10, 1936. Class 6.

335,177. PHONOGRAPH NEEDLES. PERMO PRODUCTS CORPORATION, Chicago, Ill.
Filed January 2, 1936. Serial No. 373,264. PUBLISHED MARCH 17, 1936. Class 36.

335,178. COAL. NORTHLAND FUELS, INC., Marinette, Wis.
Filed January 2, 1936. Serial No. 373,262. PUBLISHED MARCH 10, 1936. Class 1.

335,179. MEDICINAL PREPARATION FOR THE RELIEF OF HAY FEVER, HEAD COLDS, SINUSITIS, AND IRRITATION OF THE MUCOUS MEMBRANE OF THE HEAD. MASSMAN CHEMICAL COMPANY, Lufkin, Tex.
Filed January 2, 1936. Serial No. 373,260. PUBLISHED MARCH 10, 1936. Class 6.

335,180. METAL PIPE TRAPS AND FITTINGS. PHOENIX BRASS FITTINGS CORPORATION, Irvington, N. J.
Filed January 2, 1936. Serial No. 373,265. PUBLISHED MARCH 17, 1936. Class 13.

335,181. STATIONERY CONSISTING OF WRITING PAPER IN THE FORM OF POUND GOODS AS WELL AS REAM GOODS, ENVELOPES, AND PAPETERIES. EATON PAPER CORPORATION, Pittsfield, Mass.
Filed June 11, 1934. Serial No. 352,524. PUBLISHED MARCH 10, 1936. Class 37.

335,182. WINES. TILLIES-THOMPSON, INC., New York, N. Y., assignor to Sociedade dos Vinhos do Porto Constantino, Ltda., Villa Nova de Gaya, Portugal, a Limited Liability Company of Portugal.
Filed February 28, 1934. Serial No. 347,998. PUBLISHED MARCH 17, 1936. Class 47.

335,183. SAFETY RAZOR BLADES. TRIANGLE MECHANICAL LABORATORIES CORP., Brooklyn, N. Y.
Filed August 31, 1933. Serial No. 341,218. PUBLISHED JUNE 19, 1934. Class 23.

335,184. FRESH CITRUS FRUITS. BLANTON CITRUS GROWERS, INC., Blanton, Fla.
Filed March 26, 1932. Serial No. 325,510. PUBLISHED JUNE 7, 1932. Class 46.

335,185. PACKAGING MATERIAL—NAMELY, PAPER CARTON STOCK. WALDORF PAPER PRODUCTS COMPANY, St. Paul, Minn.
Filed September 18, 1935. Serial No. 369,287. PUBLISHED MARCH 10, 1936. Class 37.

335,186. TRAILER COACHES. J. A. ROY, Chesaning, Mich.
Filed September 3, 1935. Serial No. 368,952. PUBLISHED MARCH 17, 1936. Class 19.

335,187. INSULATED GAS VENT AND FLUE PIPE. PAYNE FURNACE & SUPPLY CO. INC., Beverly Hills, Calif.
Filed August 17, 1935. Serial No. 368,427. PUBLISHED MARCH 17, 1936. Class 34.

335,188. TYPE METALS. JACOB R. PRICE, doing business as Price Metal Refining Company, Kansas City, Mo.
Filed August 5, 1935. Serial No. 368,007. PUBLISHED MARCH 10, 1936. Class 14.

335,189. CUTTING OIL. PENOLA INC., Pittsburgh, Pa.
Filed July 26, 1935. Serial No. 367,734. PUBLISHED FEBRUARY 25, 1936. Class 15.

335,190. SLENDERIZING CREAM. DAISY STEBBING, Forest Hills, N. Y.
Filed July 20, 1935. Serial No. 367,512. PUBLISHED MARCH 10, 1936. Class 6.

335,191. SKIN LOTION. MICHEL GOURLAND, New York, N. Y.
Filed July 19, 1935. Serial No. 367,466. PUBLISHED MARCH 10, 1936. Class 6.

335,192. PICTURE FRAMES, MOUNTINGS, AND CASES; MINIATURE FRAMES AND CASES. CHICAGO PORTRAIT COMPANY, Chicago, Ill.
Filed July 3, 1935. Serial No. 366,933. PUBLISHED OCTOBER 15, 1935. Class 32.

335,193. BLOWERS, FANS, AND STOKERS. THE JEFFREY MANUFACTURING COMPANY, Columbus, Ohio.
Filed June 28, 1935. Serial No. 366,770. PUBLISHED MARCH 17, 1936. Class 34.

335,194. STORAGE BATTERY SEALING COMPOUND. PREST-O-LITE BATTERY COMPANY, INC., Speedway, Ind.
Filed June 25, 1935. Serial No. 366,641. PUBLISHED MARCH 10, 1936. Class 6.

335,195. BEDS, CHAIRS, TABLES, DIVANS, CHIFFONIERS, DRESSING TABLES, KITCHEN CABINETS, BUFFETS, AND BUREAUS. WESTERN MERCHANDISING CORPORATION, doing business as Delcraft Shops, Kansas City, Mo.
Filed June 24, 1935. Serial No. 366,590. PUBLISHED SEPTEMBER 3, 1935. Class 32.

335,196. CRANK CASE OIL LEVEL CONTROLLERS. MAX WEBER, doing business as Motor Service Mfg. Co., Chicago, Ill.
Filed June 19, 1935. Serial No. 366,385. PUBLISHED MARCH 17, 1936. Class 13.

335,197. DISPLAY DEVICE COMPRISING SETS OF LETTERS, NUMERALS, OR OTHER DISPLAY INDICIA, KNOWN COMMERCIALLY AS LOGOTYPES AND CARRYING ADHESIVE, ADAPTED TO BE ADHERED TO SMOOTH, HARD SURFACES FOR DISPLAY AND ADVERTISING PURPOSES. POSTER PRODUCTS, INC., Chicago, Ill.
Filed June 17, 1935. Serial No. 366,293. PUBLISHED MARCH 10, 1936. Class 50.

335,198. SEMI-TRANSPARENT WRAPPING PAPER. THE MENASHA PRODUCTS COMPANY, Menasha, Wis.
Filed June 10, 1935. Serial No. 366,017. PUBLISHED MARCH 17, 1936. Class 37.

335,199. MATTRESSES. NATIONAL MATTRESS COMPANY, Huntington, W. Va.
Filed June 26, 1934. Serial No. 353,179 PUBLISHED MARCH 17, 1936. Class 32.

335,200. GEAR CUTTING TOOLS AND BLADES THEREFOR. THE GLEASON WORKS, Rochester, N. Y.
Filed January 27, 1936. Serial No. 374,136. PUBLISHED MARCH 17, 1936. Class 23.

335,201. PAINTS (READY-MIXED, PASTE FORM, AND DRY), PAINT ENAMELS, LACQUERS, JAPANS, VARNISHES, STAINS, PAINT FILLERS, KALSOMINE, WATER PAINTS, WHITE LEAD, DRY PAINT COLORS, AND PAINT PIGMENTS. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio.
Filed January 29, 1936. Serial No. 374,255. PUBLISHED MARCH 17, 1936. Class 16.

335,202. JACKETED VACUUM BOTTLES AND WOOD, PAPER, METAL, AND COMPOSITION LUNCH-BOXES. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y.
Filed February 1, 1936. Serial No. 374,382. PUBLISHED MARCH 17, 1936. Class 2.

335,203. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SELTZER. THE MILLER BECKER CO., Cleveland, Ohio.
Filed February 5, 1936. Serial No. 374,527. PUBLISHED MARCH 17, 1936. Class 45.

335,204. ADHESIVE COMPOSITIONS—NAMELY, SHOE CEMENTS CONTAINING RUBBER-LIKE SUBSTANCES, ACTIVATED UPON CONTACT WITH ESPECIALLY TREATED MATERIALS. DEWEY AND ALMY CHEMICAL COMPANY, Cambridge, Mass.
Filed December 28, 1935. Serial No. 373,131. PUBLISHED MARCH 10, 1936. Class 5.

335,205. HOT AND COLD WATER CALCIMINE. I. F. LAUCKS, INC., Seattle, Wash.
Filed February 10, 1936. Serial No. 374,671. PUBLISHED MARCH 17, 1936. Class 16.

335,206. CARD GAMES. PARLOR GAMES CO., Philadelphia, Pa.
Filed February 10, 1936. Serial No. 374,681. PUBLISHED MARCH 17, 1936. Class 22.

335,207. CARD GAMES. PARLOR GAMES CO., Philadelphia, Pa.
Filed February 10, 1936. Serial No. 374,682. PUBLISHED MARCH 17, 1936. Class 22.

335,208. LIQUID AND PASTE PAINTS, PAINT PRIMERS, PAINT ENAMELS, AND LACQUERS. DITZLER COLOR COMPANY, Detroit, Mich.
Filed February 11, 1936. Serial No. 374,712. PUBLISHED MARCH 17, 1936. Class 16.

335,209. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. GENERAL BEVERAGE COMPANY, Memphis, Tenn.
Filed December 13, 1935. Serial No. 372,648. PUBLISHED MARCH 17, 1936. Class 45.

335,210. BOWLING PINS, PARTICULARLY THE TYPE KNOWN AS CANDLE PINS. GEORGE DZURIS, doing business as George Duris & Son, South Hadley Falls, Mass.
Filed December 16, 1935. Serial No. 372,661. PUBLISHED MARCH 17, 1936. Class 22.

335,211. DUPLICATING STENCILS AND CORRECTION FLUID. PITTSBURGH DRY STENCIL COMPANY, Pittsburgh, Pa.
Filed December 17, 1935. Serial No. 372,741. PUBLISHED MARCH 17, 1936. Class 37.

335,212. SHERRY WINE. FORTNUM & MASON LIMITED, London, England.
Filed November 8, 1934. Serial No. 358,013. PUBLISHED MARCH 17, 1936. Class 47.

335,213. RADIO RECEIVING SETS AND PARTS THEREOF; TRANSFORMERS; COILS; AND MAGNETIC CORES AND CORE MATERIALS. ALADDIN RADIO INDUSTRIES, INCORPORATED, Chicago, Ill.
Filed December 6, 1934. Serial No. 358,963. PUBLISHED MARCH 17, 1936. Class 21.

335,214. CLEANSING CREAM, TISSUE CREAM, FINISHING CREAM, SKIN FRESHENER, FACE POWDER, ROUGE, LIPSTICK, SHAMPOO, BRILLIANTINE PERFUMES. EX-CEL-CIS BEAUTY PRODUCTS COMPANY, Salt Lake City, Utah.
Filed January 11, 1935. Serial No. 360,133. PUBLISHED MARCH 10, 1936. Class 6.

335,215. LUBRICANT FITTINGS TO BE ATTACHED TO APPARATUS TO BE LUBRICATED. LINCOLN ENGINEERING COMPANY, St. Louis, Mo.
Filed January 18, 1935. Serial No. 360,413. PUBLISHED MARCH 17, 1936. Class 23.

335,216. ICE SKATES AND SKATE OUTFITS, THE LATTER CONSISTING OF ATTACHED SHOES AND SKATES. NESTOR JOHNSON MANUFACTURING COMPANY, Chicago, Ill.
Filed February 5, 1936. Serial No. 374,528. PUBLISHED MARCH 17, 1936. Class 22.

335,217. DUPLICATING STENCILS AND CORRECTION FLUID. PITTSBURGH DRY STENCIL COMPANY, Pittsburgh, Pa.
Filed December 17, 1935. Serial No. 372,742. PUBLISHED MARCH 17, 1936. Class 37.

335,218. THERMOSTATIC METAL. GENERAL PLATE COMPANY, Attleboro, Mass.
Filed December 18, 1935. Serial No. 372,767. PUBLISHED MARCH 10, 1936. Class 14.

335,219. PAPER NAPKINS. THE MENASHA PRODUCTS COMPANY, Menasha, Wis.
Filed December 18, 1935. Serial No. 372,784. PUBLISHED MARCH 17, 1936. Class 37.

335,220. HIGH CALCIUM FOOD IN POWDERED OR GRANULATED FORM FOR HUMAN CONSUMPTION DERIVED ENTIRELY FROM MILK. MILK MINERALS CO. INC., New York, N. Y.
Filed December 18, 1935. Serial No. 372,787. PUBLISHED MARCH 17, 1936. Class 46.

335,221. TORCHES, GAS MANTLES, OIL STOVES AND RANGES, GASOLINE STOVES AND RANGES. HIBBARD, SPENCER, BARTLETT & COMPANY, Chicago, Ill.
Filed December 19, 1935. Serial No. 372,834. PUBLISHED MARCH 17, 1936. Class 34.

335,222. CANDY. CHARLES B. CARLSON, doing business as Thornton-Carlson makers of Good Candy, Pasadena, Calif.
Filed December 19, 1935. Serial No. 372,902. PUBLISHED MARCH 17, 1936. Class 46.

335,223. OLEAGINOUS PREPARATION FOR USE AS A SCOURING AGENT FOR TEXTILE FIBERS. QUAKER CHEMICAL PRODUCTS CORP., Conshohocken, Pa.
Filed December 21, 1935. Serial No. 372,932. PUBLISHED MARCH 10, 1936. Class 6.

335,224. OLEAGINOUS PREPARATION FOR USE AS A LUBRICANT, SOFTENER, DEVELOPER, DYEING ASSISTANT AND LUSTERING AGENT IN THE TREATMENT OF TEXTILE FIBERS. QUAKER CHEMICAL PRODUCTS CORP., Conshohocken, Pa.
Filed December 21, 1935. Serial No. 372,930. PUBLISHED MARCH 10, 1936. Class 6.

335,225. FRESH VEGETABLES. E. C. MCLEAN, INC., Palmetto, Fla.
Filed January 20, 1936. Serial No. 373,881. PUBLISHED MARCH 17, 1936. Class 46.

335,226. TOOTH BRUSHES. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass.
Filed January 20, 1936. Serial No. 373,891. PUBLISHED MARCH 10, 1936. Class 29.

335,227. PRINTING PAPER. BULKLEY, DUNTON & CO., New York, N. Y.
Filed January 21, 1936. Serial No. 373,910. PUBLISHED MARCH 10, 1936. Class 37.

335,228. ELECTRIC GENERATORS. GENERAMP, INC., St. Louis, Mo.
Filed January 22, 1936. Serial No. 373,956. PUBLISHED MARCH 17, 1936. Class 21.

335,229. FILES AND RASPS. NICHOLSON FILE COMPANY, Providence, R. I.
Filed January 22, 1936. Serial No. 373,967. PUBLISHED MARCH 17, 1936. Class 23.

335,230. HYDRAULIC LIFTING JACKS. THE SIMMONS MANUFACTURING COMPANY, Cleveland, Ohio.
Filed January 22, 1936. Serial No. 373,979. PUBLISHED MARCH 17, 1936. Class 23.

335,231. CANNED PEAS. MCMILLAN BROS., La Conner, Wash.
Filed January 23, 1936. Serial No. 374,011. PUBLISHED MARCH 17, 1936. Class 46.

335,232. WRENCHES, WRENCH SETS, WRENCH SOCKETS, AND TOOL HANDLES. J. H. WILLIAMS & Co., Buffalo, N. Y.
Filed January 23, 1936. Serial No. 374,033. PUBLISHED MARCH 17, 1936. Class 23.

335,233. THERMO CIRCUIT CLOSERS FOR FIRE ALARMS. ALFRED FITZ ROY ANDERSON, New York, N. Y.
Filed January 24, 1936. Serial No. 374,034. PUBLISHED MARCH 17, 1936. Class 21.

335,234. TABLE-BOARD EDUCATIONAL GAMES. ALFRED H. KEAST, doing business as Educational Society of America, San Francisco, Calif.
Filed January 24, 1936. Serial No. 374,050. PUBLISHED MARCH 17, 1936. Class 22.

335,235. MEASURING TAPES. THE LUFKIN RULE COMPANY, Saginaw, Mich.
Filed January 24, 1936. Serial No. 374,052. PUBLISHED MARCH 17, 1936. Class 26.

335,236. THERMOMETERS. WESTON ELECTRIC INSTRUMENT CORPORATION, Newark, N. J.
Filed January 25, 1936. Serial No. 374,110. PUBLISHED MARCH 17, 1936. Class 26.

335,237. BARE AND INSULATED ELECTRICAL WIRES AND CABLES. GENERAL CABLE CORPORATION, New York, N. Y.
Filed January 27, 1936. Serial No. 374,133. PUBLISHED MARCH 17, 1936. Class 21.

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION
[ACT OF MARCH 19, 1920, SEC. 1 (b)]

335,238. (CLASS 39. CLOTHING.) HEATER GLOVE CORPORATION, Seattle, Wash. Filed Mar. 30, 1936. Serial No. 376,582.

HEATER GLOVES
MADE STRONGER-WEAR LONGER

For Unlined Leather Gloves and Cotton and Wool Lined Leather Gloves.
Claims use since Oct. 1, 1927.

335,239. (CLASS 39. CLOTHING.) CARSON PIRIE SCOTT & COMPANY, Chicago, Ill. Filed Mar. 6, 1936. Serial No. 375,624.

Apparel Petite

For Ladies' Dresses.
Claims use since February, 1927.

335,240. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) KRAUS BROS. & CO., INC., New York, N. Y. Filed Mar. 25, 1936. Serial No. 376,391.

GLEN SCOTT WHISKEY

For Whiskies.
Claims use since December, 1934.

335,241. (CLASS 6. CHEMICALS, MEDICINES AND PHARMACEUTICAL PREPARATIONS.) NEW YORK WETPRUF CORPORATION, New York, N. Y. Filed Mar. 6, 1936. Serial No. 375,654.

WETPRUF

For Composition in Liquid, Solid, or Paste Form for Waterproofing Fabrics, Fibrous Materials, Textiles, and Cellulose Materials.
Claims use since November, 1933.

335,242. (CLASS 39. CLOTHING.) SAMUEL GOLDBAUM, doing business as Lily Hat Company, New York, N. Y. Filed Feb. 5, 1936. Serial No. 374,518.

Woodley

For Ladies' Hats.
Claims use since Feb. 1, 1935.

335,243. (CLASS 48. MALT BEVERAGES AND LIQUORS.) LIEBER BREWING CORPORATION, Indianapolis, Ind. Filed Dec. 7, 1935. Serial No. 372,371.

Lieber

For Malt Beverages With Not More Than the Legal Alcoholic Content.
Claims use since Apr. 23, 1935.

335,244. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) G. E. HARRIS, doing business as Bowl-Kleen Laboratories, Los Angeles, Calif. Filed Dec. 7, 1935. Serial No. 372,302.

BOWL-KLEEN

For Toilet Bowl Cleaner Having Incidental Deodorizing and Disinfecting Properties.
Claims use since July 1, 1934.

335,245. (CLASS 4. ABRASIVE, DETERGENT AND POLISHING MATERIALS.) ALBERT IRVING WIGLER, doing business as Wiglers Products Co., Newark, N. J. Filed Nov. 30, 1935. Serial No. 372,151.

Addisons

For Glass Cleaner and Polish, Metal-Polish, Soaps, Shaving Cream, Dry Cleaner, Soap-Cleaner, and Cleaner for Artificial Teeth and Abrasive Soaps.
Claims use since Oct. 10, 1934.

335,246. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ARROW PAINT AND WALLPAPER CO., Denver, Colo. Filed Nov. 8, 1935. Serial No. 371,332.

NU-SPAR

For Ready Mixed Paints, Paint Enamels, and Varnishes.
Claims use since Apr. 1, 1935.

335,247. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ISAACSON IRON WORKS, Seattle, Wash. Filed Oct. 7, 1935. Serial No. 370,105.

WINCHOIST

For Tractor.
Claims use since December, 1933.

335,248. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DELTA ELECTRIC COMPANY, Marion, Ind. Filed Mar. 29, 1935. Serial No. 363,140.

POWERflare

For Portable Electric Signal Lamps.
Claims use since Oct. 15, 1934.

335,249. (CLASS 39. CLOTHING.) STEINBERGER BROS. GLOVE CORP., New York, N. Y. Filed Mar. 6, 1935. Serial No. 362,198.

RIPPLE WEAVE

For Fabric Gloves.
Claims use since Feb. 23, 1935.

335,250. (CLASS 37. PAPER AND STATIONERY.) TOMPKINS' LABEL SERVICE, Philadelphia, Pa. Filed Sept. 23, 1935. Serial No. 369,633.

Cakepak

For Grease Proof Labels to be Used in Packing or Packaging Cakes and Other Bakery Products.
Claims use since Mar. 1, 1935.

335,251. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FITZPATRICK BROS. INC., Chicago, Ill. Filed Aug. 26, 1935. Serial No. 368,689.

FITZ

For Soap and Soap Flakes.
Claims use since Jan. 1, 1935.

335,252. (CLASS 39. CLOTHING.) MUNICIPAL SHOE CO., INC., Brooklyn, N. Y. Filed July 18, 1935. Serial No. 367,440.

Tommy Tinker

For Footwear—Namely, Shoes Made of Leather, Rubber, and Fabric Material, Leather and Fabric Sandals, and Leather and Rubber Boots.
Claims use since March, 1935.

335,253. (CLASS 39. CLOTHING.) MERKIN, INC., Boston, Mass. Filed June 1, 1935. Serial No. 365,706.

POSTURE-ADE

For Brassières, Corsets, Girdles, Bandeaux, and Foundation Garments for Women and Misses.
Claims use since Mar. 7, 1935.

335,254. (CLASS 39. CLOTHING.) NATIONAL MODES, INC., New York, N. Y. Filed May 11, 1935. Serial No. 364,828.

Jeanne Barrie

For Women's Outer and Under Wearing Apparel—Namely, Coats, Suits, Dresses, Underwear, Hosiery; Neckwear—Namely, Gilets, Jabots, Collars, Bands, and Bows; Blouses, Gloves of Leather and Fabric, Belts for Outer Wear, and Hats.
Claims use since Apr. 8, 1935.

335,255. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE WATERBURY CLOCK COMPANY, Waterbury, Conn. Filed May 7, 1935. Serial No. 364,650.

ELTON

For Watches.
Claims use since Apr. 15, 1935.

335,256. (CLASS 12. CONSTRUCTION MATERIALS.) ALGOMA PLYWOOD & VENEER COMPANY, Algoma, Wis. Filed Apr. 13, 1935. Serial No. 363,669.

HOLLOCORE MADE BY ALGOMA

For Plywoods and Veneers.
Claims use since Mar. 10, 1935.

335,257. (CLASS 39. CLOTHING.) EDWARD GOLDMAN CO. INC., New York, N. Y. Filed Apr. 12, 1935. Serial No. 363,658.

La Dorsay

For Gloves Made of Leather, Fabric, and Combinations Thereof.
Claims use since Apr. 2, 1935.

335,258. (CLASS 48. MALT BEVERAGES AND LIQUORS.) MAIER BREWING CO., INC., doing business as Santa Fe Distributing Co., Los Angeles, Calif. Filed Apr. 8, 1935. Serial No. 363,522.

SANTA FE

For Beer.
Claims use since Apr. 1, 1935.

335,259. (CLASS 39. CLOTHING.) CLAUDE H. DANIELS, Natick, Mass. Filed Apr. 1, 1935. Serial No. 363,274

DANIELS PATENTED SHOES

For Men's, Women's, and Children's Boots, Shoes, and Slippers, Made Wholly or in Part of Leather, Rubber, Canvas, or Textile Materials.
Claims use since Mar. 29, 1935.

335,260. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. E. RAINS, doing business as S. E. Rains Company, New York, N. Y. Filed Dec. 22, 1934. Serial No. 359,592.

PIQUÉ

For Handkerchiefs.
Claims use since Nov. 15, 1934.

335,261. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ERNEST A. STIENEN, Long Island City, N. Y. Filed Jan. 4, 1935. Serial No. 359,930.

ZELL

For Sizing, Drying and Dyeing Machinery for Textiles and the Like.
Claims use since December, 1933.

335,262. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) JOSEPH P. FARRELL, Philadelphia, Pa. Filed Jan. 9, 1935. Serial No. 360,066.

Tinsey SOLDER ALL METAL

For Powdered Solder Containing Flux.
Claims use since Jan. 2, 1935.

335,263. (CLASS 37. PAPER AND STATIONERY.) UNITED STATES ENVELOPE COMPANY, Springfield, Mass. Filed Jan. 24, 1935. Serial No. 360,651.

PENN-FOLD

For Toilet Paper.
Claims use since June 16, 1934.

335,264. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AVONDALE MILLS, Birmingham, Ala. Filed Apr. 6, 1935. Serial No. 363,446.

AVONDALE

For Cotton and Cotton and Woolen Piece Goods, Comprising Print Cloth, Sheeting, Pipe Duck, Drills, Sateens, Twills, Etc.
Claims use since June 1, 1907.

335,265. (CLASS 39. CLOTHING.) CLARENCE E. ALVORD, doing business as Alvord Glove Company, Mayfield, N. Y. Filed Feb. 28, 1935. Serial No. 361,949.

"NONE BETTER"

For Gloves of Leather, Rubber, and Fabric and Combinations of These Materials.
Claims use since Jan. 1, 1918.

335,266. (CLASS 39. CLOTHING.) STEINBERGER BROS. GLOVE CORP., New York, N. Y. Filed Mar. 6, 1935. Serial No. 362,197.

RIPPLE MESH

For Fabric Gloves.
Claims use since Feb. 23, 1935.

TRADE-MARK REGISTRATIONS RENEWED

109,542. MEN'S, LADIES', AND CHILDREN'S RAINCOATS, OUTER SUITS, AND SPORT-COATS. Registered April 11, 1916. SAMUEL W. PECK & Co., New York, N. Y. Renewed April 11, 1936, to Kaufmann Department Stores, Inc., Pittsburgh, Pa., a corporation of New York, successor.

109,585. INFANTS' HOSIERY. Registered April 11, 1916. LENA H. TAYLOR, Springfield, Mass. Renewed April 11, 1936, to Lena H. Taylor, Skowhegan, Maine.

109,615. WHEAT-FLOUR. Registered April 11, 1916. THE MONARCH MILLING CO., Hutchinson, Kans. Renewed April 11, 1936, to The Hunter Milling Company, Wellington, Kans., a corporation of Kansas, assignee by mesne assignments.

109,616. WHEAT-FLOUR. Registered April 11, 1916. THE MONARCH MILLING CO., Hutchinson, Kans. Renewed April 11, 1936, to The Hunter Milling Company, Wellington, Kans., a corporation of Kansas, assignee by mesne assignments.

109,639. OLEOMARGARIN. Registered April 11, 1916. GEO. P. BRAUN COMPANY, Chicago, Ill., a corporation of Illinois. Renewed April 11, 1936.

109,830. MACARONI, SPAGHETTI, VERMICELLI, ELBOWS, EGG-NOODLES, EGG-BARLEY, EGGFLAKES, AND EGG-ALPHABETS. Registered April 18, 1916. A. GOODMAN & SONS, INC., New York, N. Y., a corporation of New York. Renewed April 18, 1936.

110,035. OLEOMARGARIN. Registered May 2, 1916. GEO. P. BRAUN COMPANY, Chicago, Ill., a corporation of Illinois. Renewed May 2, 1936.

110,036. OLEOMARGARIN. Registered May 2, 1916. GEO. P. BRAUN COMPANY, Chicago, Ill., a corporation of Illinois. Renewed May 2, 1936.

110,037. OLEOMARGARIN. Registered May 2, 1916. GEO. P. BRAUN COMPANY, Chicago, Ill., a corporation of Illinois. Renewed May 2, 1936.

110,047. OLEOMARGARIN. Registered May 2, 1916. JOHN F. JELKE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed May 2, 1936.

110,048. OLEOMARGARIN. Registered May 2, 1916. JOHN F. JELKE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed May 2, 1936.

110,049. OLEOMARGARIN. Registered May 2, 1916. JOHN F. JELKE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed May 2, 1936.

110,050. OLEOMARGARIN. Registered May 2, 1916. JOHN F. JELKE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed May 2, 1936.

110,068. COTTON-SEED FEED. Registered May 2, 1916. THE BUCKEYE COTTON OIL COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed May 2, 1936.

110,175. OLEOMARGARIN. Registered May 9, 1916. JOHN F. JELKE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed May 9, 1936.

110,376. BUTTER. Registered May 16, 1916. JOHN F. JELKE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed May 16, 1936.

110,435. PASTES AND ADHESIVES. Registered May 23, 1916. SANFORD MANUFACTURING CO., Chicago, Ill., a corporation of Illinois. Renewed May 23, 1936.

111,255. WHEAT-FLOUR. Registered July 4, 1916. THE MANSFIELD MILLING CO., Mansfield, Ohio. Renewed July 4, 1936, to Federal Mill, Inc., Lockport, N. Y., a corporation of New York, successor.

111,367. PEANUT-BRITTLE GLACÉ MIXTURE AND GLACÉ PEANUTS. Registered July 11, 1916. EDWARD FIELD KEMP. Renewed July 11, 1936, to E. F. Kemp, Inc., Somerville, Mass., a corporation of Massachusetts, assignee.

111,422. BUILDING TOYS. Registered July 11, 1916. THE MYSTO MFG. CO. (now by change of name The A. C. Gilbert Company). Renewed July 11, 1936, to The A. C. Gilbert Co., New Haven, Conn., a corporation of Maryland, assignee.

111,459. LARD. Registered July 18, 1916. JOHN F. JELKE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 18, 1936.

111,561. COATS, MACKINAWS, DRESS, NEGLIGÉE, AND WORK SHIRTS, AND OVERALLS. Registered July 25, 1916. CARTER & CHURCHILL COMPANY, Lebanon, N. H., a firm. Renewed July 25, 1936.

111,968. EGGS. Registered August 15, 1916. PLANKINTON PACKING COMPANY, Milwaukee, Wis., a corporation of Wisconsin. Renewed August 15, 1936.

112,013. CERTAIN NAMED CLOTHING FOR MEN, WOMEN, AND CHILDREN. Registered August 15, 1916. THE MAY DEPARTMENT STORES COMPANY, New York, N. Y. Renewed August 15, 1936, to The May Department Stores Co., St. Louis, Mo., a corporation of New York.

112,219. STONE-CEMENT AND STONE-PUTTY. Registered August 22, 1916. JAMES H. RHODES & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed August 22, 1936.

112,240. CERTAIN NAMED PAINTS AND PAINTERS' MATERIALS. Registered August 22, 1916. WM. ZINSSER & Co., INC., New York, N. Y., a corporation of New York. Renewed August 22, 1936.

112,269. A FINE FLOUR OF THE ENTIRE WHEAT WITH PART OF THE BRAN REMOVED. Registered August 29, 1916. FRANKLIN MILLS Co., Batavia, N. Y., a corporation of New York. Renewed August 29, 1936.

112,284. CERTAIN NAMED FOOTWEAR OF LEATHER, RUBBER, FELT, WOOL, OR OTHER MATERIAL. Registered August 29, 1916. THE HURLBUT CO. LIMITED. Renewed August 29, 1936, to Hurlbut Shoes Limited, Preston, Ontario, Canada, a corporation of the Province of Ontario, Canada, assignee.

112,426. FACIAL CREAM, DENTAL CREAM, TOOTH-POWDER, FACIAL POWDER, AND TOILET POWDER. Registered September 5, 1916. THE ANDREW JERGENS CO., as assignee of The Andrew Jergens Co. Renewed September 5, 1936, to John H. Woodberry, Inc., Cincinnati, Ohio, a corporation of Ohio, assignee, by mesne assignments.

112,541. BOND AND LEDGER PAPER. Registered September 12, 1916. NEENAH PAPER COMPANY, Neenah, Wis., a corporation of Wisconsin. Renewed September 12, 1936.

112,542. BOND AND LEDGER PAPER. Registered September 12, 1916. NEENAH PAPER COMPANY, Neenah, Wis., a corporation of Wisconsin. Renewed September 12, 1936.

112,536. BOND AND LEDGER PAPER. Registered September 12, 1916. NEENAH PAPER COMPANY, Neenah, Wis., a corporation of Wisconsin. Renewed September 12, 1936.

112,557. SIDE-WALL WARM-AIR REGISTERS. Registered September 12, 1916. ROCK ISLAND REGISTER COMPANY, Rock Island, Ill., a corporation of Illinois. Renewed September 12, 1936.

112,603. CERTAIN NAMED PAINTS AND PAINTERS' MATERIALS. Registered September 12, 1916. WM. ZINSSER CO., INC., New York, N. Y., a corporaton of New York. Renewed September 12, 1936.

112,661. A BLOOD-PURIFIER. Registered September 19, 1916. MARKO GAĆINA, Seattle, Wash. Renewed September 19, 1936, to Marko Gacina, Chicago, Ill.

112,796. A WATER-SOFTENING COMPOUND. Registered September 26, 1916. NATIONAL CHEMICAL COMPANY OF CALIFORNIA, Los Angeles, Calif. Renewed September 26, 1936, to The Climalene Company, Canton, Ohio, a corporation of Ohio, assignee by mesne assignments.

112,799. SALT. Registered September 26, 1916. THE OHIO SALT COMPANY, Wadsworth, Ohio, a corporation of Ohio. Renewed September 26, 1936.

112,800. SALT. Registered September 26, 1916. THE OHIO SALT COMPANY, Wadsworth, Ohio, a corporation of Ohio. Renewed September 26, 1936.

112,801. SALT. Registered September 26, 1916. THE OHIO SALT COMPANY, Wadsworth, Ohio, a corporation of Ohio. Renewed September 26, 1936.

112,848. RUBBER BELTING, RUBBER HOSE, and RUBBER PACKING. Registered October 3, 1916. GEO. B. CARPENTER & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed October 3, 1936.

112,915. ANTISEPTICS, DEODORIZERS, DISINFECTANTS, WOUND-POWDERS, GERMICIDES, AND VERMICIDES. Registered October 3, 1916. THEODORE MEYER. Renewed October 3, 1936, to Bertha K. Meyer, doing business as Theodore Meyer Est., Philadelphia, Pa., assignee.

112,923. LARD, SMOKED HAMS, BACON, BOILED HAMS. Registered October 3, 1916. OGDEN PACKING & PROVISION CO. Renewed October 3, 1936, to The American Packing & Provision Company, Ogden, Utah, a corporation of Utah, assignee.

112,958. CERTAIN NAMED PHARMACEUTICAL PREPARATIONS FOR TOILET PURPOSES. Registered October 3, 1916. V. VIVAUDOU, INC., New York, N. Y. Renewed October 3, 1936, to Vadsco Sales Corporation, Long Island City, N. Y., a corporation of Delaware, assignee by mesne assignments.

112,997. MAPLE-SUGAR, MAPLE-SYRUP, AND MAPLE CANDIES. Registered October 10, 1916. ALICE BROWN, Shelburne Falls, Mass. Renewed October 10, 1936.

LABELS

REGISTERED MAY 26, 1936

47,491.—*Title:* HALLER'S FAMILY SPECIAL BREAD. For Bread. HALLER BAKING COMPANY, Pittsburgh, Pa. Published January 1, 1936.

47,492.—*Title:* HAUDIGEST. For Antacid Powder. GEORGE HAUMANN, doing business as Geo. Haumann Laboratories, Chicago, Ill. Published October 1, 1935.

PRINTS

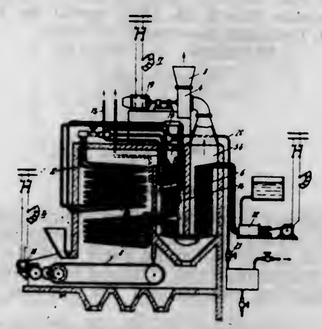
REGISTERED MAY 26, 1936

15,708.—*Title:* CAN YOUR CHILD LIVE ON HER INCOME? For Wheat Breakfast Food. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published March 5, 1936.

15,709.—*Title:* ALL WOOL FULL SUIT OR TOPCOAT MADE TO ORDER. For Suits and Topcoats. SCOTCH WOOLEN MILLS, Chicago, Ill. Published November 30, 1935.

15,710.—*Title:* EFFICIENCY BOILER TREATMENT. For a Scientifically Prepared Chemical Used as a Boiler Compound and Rust Eradicator. SUPERIOR CHEMICAL WORKS, INC., Louisville, Ky. Published September 17, 1935.

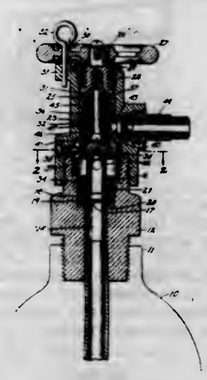
19,977
STEAM GENERATOR
Wilhelm Abendroth, Berlin-Charlottenburg, Germany, assignor to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany
Original No. 1,925,222, dated September 5, 1933, Serial No. 570,751, October 23, 1931. Application for reissue December 1, 1934, Serial No. 755,615. In Germany October 24, 1930
14 Claims. (Cl. 122—249)



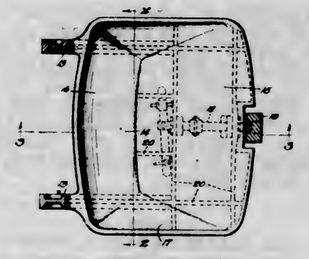
1. A vapor generator comprising a furnace, a heating surface formed of tubes, a part of said heating surface being so located as to absorb mainly radiated heat and a part so located as to absorb heat transmitted mainly by contact, a pump serving to force the working medium through the tubes in the radiation heating part and the contact heating part at at least critical pressure in continuous flow and with constantly increasing temperature, said tubes being so dimensioned that the zone in which the working medium is converted from a liquid to a vapor is situated in the contact heating part.

19,978
DISCHARGE HEAD FOR FLUID CONTAINERS
Scott E. Allen, Glen Ridge, and John Elmer Rennert, Springfield, N. J., assignors to C-O-Two Fire Equipment Company, Newark, N. J., a corporation of Delaware
Original No. 1,974,254, dated September 18, 1934, Serial No. 677,002, June 22, 1933. Application for reissue November 5, 1935, Serial No. 48,438
15 Claims. (Cl. 221—73.5)

1. A discharge head for a fluid container, comprising a body formed with a discharge passage for the fluid, an inlet closure and an outlet closure for the passage, a controller for opening and closing said outlet closure at will, means actuable by said controller for opening the inlet closure only after the outlet closure has been opened beyond a predetermined extent, and means normally locking said outlet closure open to an extent less than said predetermined extent.

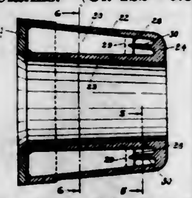


19,979
EXCAVATING DIPPER
William M. Bager, Fox Point, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Original No. 2,018,628, dated October 22, 1935, Serial No. 722,424, April 26, 1934. Application for reissue November 16, 1935, Serial No. 50,401
11 Claims. (Cl. 214—145)



1. In an excavating dipper, the combination of: a main body, having a back, two sides and a front, the bottom edges of the sides sloping upwardly from front to rear; a bottom door, having a substantially flat bottom portion, a back portion tangent thereto and curving gradually upwardly therefrom, and side portions tangent to the flat portion and curving gradually upwardly therefrom, said side portions being less and less high as they approach the front of the door; combined hinges and stiffening ribs, extending beneath a portion of the bottom of the door; and pivots for the hinges, carried by the back of the main body closely adjacent the juncture of this back with the back of the door.

19,980
TUYÈRE
Gordon Fox and Arthur J. Whitcomb, Chicago, Ill., assignors to Freyn Engineering Company, Chicago, Ill., a corporation of Maine
Original No. 1,969,693, dated August 7, 1934, Serial No. 725,622, May 14, 1934. Application for reissue February 14, 1935, Serial No. 6,598
22 Claims. (Cl. 122—6.6)



22. In a tuyère, in combination, walls providing an annular jacket, said walls having an inlet and an outlet for the flow of cooling medium, and means for directing cooling medium in a single tortuous series path from said inlet to said outlet longitudinally and circumferentially of said tuyère, the thickness of a side wall of said tuyère decreasing from the nose region of said tuyère toward the rear thereof.

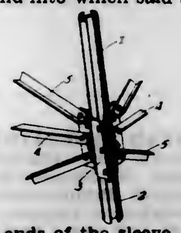
19,981
SLOT AND SLUG FOR CHECK CONTROLLED APPARATUS
Harry Goetz, deceased, late of Chicago, Ill., by Yale Slot & Slug Company, Chicago, Ill., assignee
Original No. 1,929,740, dated October 10, 1933, Serial No. 613,379, May 25, 1932. Application for reissue January 13, 1934, Serial No. 706,533
11 Claims. (Cl. 194—4)



1. In combination, a perforated coin receiving housing of the type into which coins are inserted flat and moved into engagement with coin chutes leading out of the housing, and attachment means for arranging the housing to receive grooved slugs moved edgewise through slots in the top of the attachment, said means being secured to the housing solely by a removable enclosing casing having ears registered with existing openings in said housing.

19,982
OIL FIELD DERRICK POST
Lee C. Moore, Tulsa, Okla.
Original No. 2,031,002, dated February 18, 1936, Serial No. 710,272, February 8, 1934. Application for reissue March 26, 1936, Serial No. 71,075
3 Claims. (Cl. 189—19)

2. A derrick post and joint structure, comprising axially aligned post sections arranged end to end, one on the other, each post section comprising a substantially flat web extending across the axis of the section, the outer portions of said web terminating in flanges on opposite sides of the web, the flanges at the ends of each post section being of arcuate shape and extending circumferentially in relation to each other, thereby forming substantially cylindrical end portions reinforced internally by said web, a sleeve surrounding the adjacent end portions of said sections and into which said sections extend



from opposite ends of the sleeve, and means for securing said sleeve to the adjacent end portions of said sections.

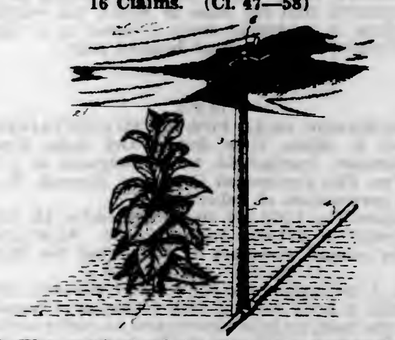
19,983
CORNER HOLDER FOR PICTURES OR THE LIKE
Leopold Rado, Berlin, Germany
Original No. 1,870,528, dated August 9, 1932, Serial No. 528,933, April 9, 1931. Application for reissue March 15, 1933, Serial No. 660,979, and in Germany November 27, 1929
13 Claims. (Cl. 40—158)



9. A corner holder for cards comprising a triangular pocket of transparent membrane and having an upper wall and a lower wall, the pocket having fibrous material attached to its lower face and projecting out beyond the opening in the pocket.

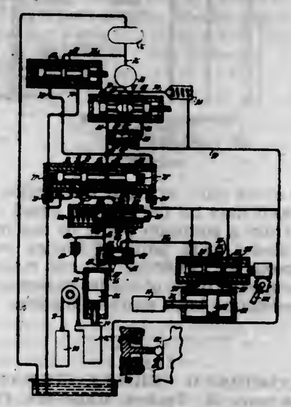
11. A corner pocket of transparent sheet material comprising a right angle triangular area with flaps folded thereunder along the legs of the triangle, and projecting beyond the hypotenuse, and a backing sheet of paper or the like gummed on both sides with the flaps adhesively secured to one side.

19,984
METHOD OF TREATING TOBACCO
May Rosenberg, West Hartford, Conn.
Original No. 1,988,515, dated January 22, 1935, Serial No. 745,512, September 26, 1934. Application for reissue March 13, 1936, Serial No. 68,769
16 Claims. (Cl. 47—58)



9. The method of treating growing tobacco plants which comprises creating about the plants an atmosphere charged with a liquid having an ammonia content.

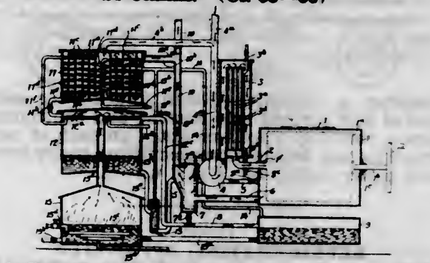
19,985
PATTERN CONTROLLED DIE-SINKING MACHINE
Bernard Sassen, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio
Original No. 2,024,256, dated December 17, 1935, Serial No. 618,111, June 20, 1932. Application for reissue March 26, 1936, Serial No. 71,074
44 Claims. (Cl. 90—13.5)



1. In a die-sinking machine the combination of a carriage, a tracer and cutter mounted on the carriage, a work table adapted to support a work piece and a master, an hydraulic motor for effecting relative movement between the carriage and table in one direction, a second hydraulic motor for effecting relative movement between the carriage and table in a second direction, a source of fluid pressure, a distributing valve movable in one direction to couple pressure to one motor and in the other direction to disconnect pressure therefrom, each stroke of the valve also effecting delivery of a volume of fluid to the other motor, and means actuated by the tracer for reciprocating the valve to distribute volumes of fluid to the different motors in such proportion as to cause movement of the cutter relative to the work in accordance with movement of the tracer relative to the pattern.

44. A die-sinking machine comprising a bed having horizontal guide ways, a work table reciprocably mounted in said guide ways, a column having vertical guide ways, a vertically movable slide mounted on the column ways, a screw and nut, one of which is fixed against rotation for moving said slide, a horizontally movable tool support mounted on said vertical slide for movement in planes at right angles to the direction of table movement, a tool spindle journaled in the tool support, a prime mover carried by the support and operatively connected for rotation of the spindle, a first fluid operable piston for moving the tool support, a second fluid operable piston for moving the table, a tracer carried by the tool support for engagement with a pattern carried by the work support, a fluid circuit controlled by the tracer for governing fluid actuation of said pistons whereby the tool will be moved to and from the work, and a work table will be moved laterally of the tool axis, and automatic means operable at the end of a table stroke to effect relative rotation between said screw and nut to index the vertically movable slide preparatory to a return pass of the work past the tool.

19,986
DRY CLEANING APPARATUS
Harold F. Silver, Salt Lake City, Utah, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Original No. 1,775,699, dated September 16, 1930, Serial No. 132,513, August 30, 1926. Application for reissue October 28, 1931, Serial No. 571,663
24 Claims. (Cl. 68—38)



1. In a dry cleaning apparatus, a washer; an air heater; a solvent supply tank; a lint trap, means for charging the washer with the solvent from the supply tank; means for returning the solvent from the washer through the lint trap to the supply tank; and means for passing heated air through the washer, the air discharging from the washer through the lint trap and passing again to the heater.

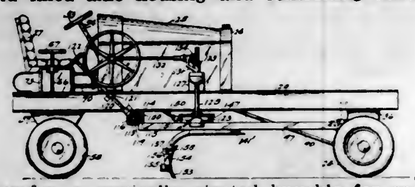
14. In a dry cleaning apparatus, a washer; a solvent receiving tank disposed below and connected with the washer; a still disposed at approximately the same level as the receiving tank; a pipe connection between the still and receiving tank maintaining the solvent in the still and receiving tank at the same level; said still having a vapor dome disposed above the maximum level of solvent in the receiving tank; whereby intermittent discharge of solvent from the washer to the receiving tank will have a minimum effect upon the temperature of the still.

18. In a dry cleaning system for use with a volatile liquid detergent which is heavier than water, the combination of two chambered receptacles for the liquid, each having appreciable chamber volume, a chamber portion of the first thereof lying at a level above a chamber portion of the second thereof, a chambered water separator having an outlet from its upper portion, each of said receptacles communicating with the separator chamber below said outlet, the first receptacle from a low level of its chamber, so that liquid drains from the first receptacle to the second through the separator chamber, and one of said receptacles having a chamber portion lying at approximately the level of said outlet or higher and also having its chamber including an appreciable volume lying below said outlet, whereby rise of the level and consequent collection of an appreciable volume of liquid in said last named chamber causes discharge through said outlet of any water collected in the upper portion of said separator as the result of drainage from the first receptacle.

19,987
ROAD WORKING MACHINE
Ira M. Wells, Oakland, and Howard A. Olds, San Francisco, Calif.
Original No. 1,868,648, dated July 26, 1932, Serial No. 572,500, November 2, 1931. Application for reissue March 21, 1934, Serial No. 716,685
4 Claims. (Cl. 180—44)

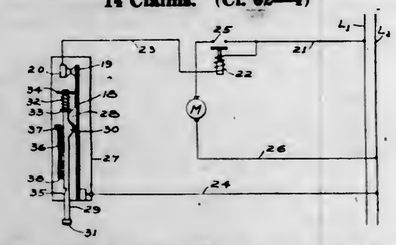
1. In combination, a frame, a power unit mounted on said frame, supporting brackets at

each end of said frame, a rear axle housing fixedly secured to one of said brackets, a front axle housing transversely pivoted to the other bracket, a horizontally pivoted knuckle for each end of said fixed axle housing and controlling means



therefor, a vertically pivoted knuckle for each end of said pivoted axle housing and controlling means therefor, wheels mounted on each of said knuckles and means for transmitting power from said power unit to all of said wheels.

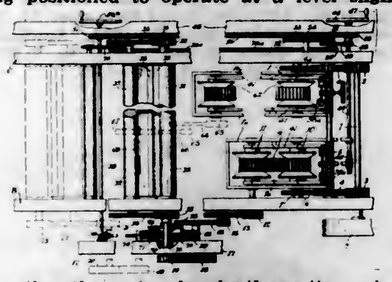
19,988
REFRIGERATING APPARATUS
William F. Swesey, Cleveland, Ohio, assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Original No. 1,825,291, dated September 29, 1931, Serial No. 354,239, April 11, 1929. Application for reissue March 29, 1933, Serial No. 663,410
14 Claims. (Cl. 62—4)



10. In an electric refrigerator, means for effecting the defrosting of the evaporator including a motor control switch, manually controlled means for operating said switch, thermally controlled means also for operating said switch, said manually controlled means for operating said switch constituting an indicator for showing whether the evaporator is refrigerating or defrosting.

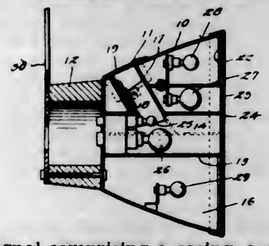
19,989
VARIABLE SPEED CUTTING MECHANISM
George W. Swift, Jr., Bordentown, N. J., assignor to George W. Swift, Jr., Inc., Bordentown, N. J., a corporation of New Jersey
Original No. 1,997,608, dated April 16, 1935, Serial No. 649,872, January 3, 1933. Application for reissue March 12, 1936, Serial No. 68,551
17 Claims. (Cl. 164—66)

17. In a machine of the character described for simultaneously operating upon the sections of an advancing slitted web of slightly bendable material, the combination of two pairs of cutter blades, the cutter blades of each pair being movable into and out of cutting position at variable time intervals, operating connections for each pair of said cutter blades, said operating connections including variable ratio gearing for transmitting power to said cutter blades at variable velocity during each cycle of their movements, and differential mechanism interposed between said variable ratio gearing and said cutter blades for variably timing the cutting operation of said cutter blades with respect to said variable ratio gearing, one of said pairs of cutter blades being positioned to operate at a level slightly



above the other pair, whereby the section webs of a slitted web may be fed, within small limits of bending, from a common plane to the respective pairs of blades, said pairs of blades being adjacently mounted, whereby the cut material delivered from both pairs of blades passes into zones which are beyond both pairs of blades.

19,990
COMBINED VEHICLE SIGNAL
Lawrence H. Tucker, Hapeville, Ga.
Original No. 1,976,047, dated October 9, 1934, Serial No. 622,147, July 12, 1932. Application for reissue January 28, 1936, Serial No. 61,243
7 Claims. (Cl. 177—327)

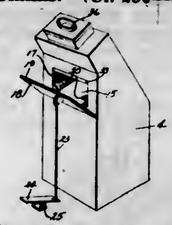


2. A signal comprising a casing, a central partition extending from the front of the casing to the rear thereof, said partition formed to provide a central compartment, partitions extending from the wall of the casing to the central compartment and separating the casing into two main compartments, a partition in one of the main compartments and formed to provide an auxiliary compartment between the central compartment and the outer wall of the casing, said central compartment having a communicating partition extending radially and rearwardly therefrom to the outer wall of the casing to provide an inclined passage for projecting the light from the central compartment rearwardly of the casing, lamp bulbs mounted in each of said compartments, a facing plate connected to the front end of the casing and having an opening registering with the central compartment to provide a clear signal, said plate having indicia registering with the main compartments and cooperating therewith to provide a right and left turn direction signal, and indicia on the plate registering with the auxiliary compartment to provide a stop signal.

PATENTS

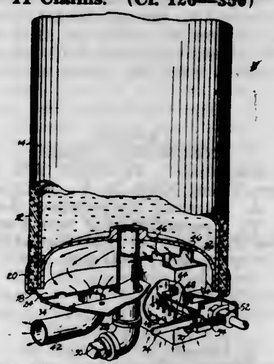
GRANTED MAY 26, 1936

2,041,682
X-RAY EQUIPMENT FOR INSPECTION
Matthew B. Adrian, Milwaukee, Wis., assignor to Adrian X-Ray Shoe Fitter Company, Milwaukee, Wis., a corporation of Wisconsin
Application June 27, 1932, Serial No. 619,500
8 Claims. (Cl. 250—34)



1. An inspecting device comprising a cabinet provided with a door, a work receiving shelf within the cabinet, a fluoroscopic screen and an X-ray tube disposed at opposite sides of work to be received on said shelf, and means for energizing said tube upon the closing of the door, together with a treadle operatively connected with said door for the actuation thereof.

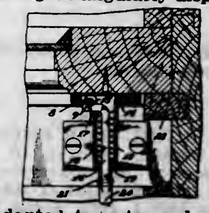
2,041,683
HEATING APPARATUS
James Gerald Ames, Aurora, Ill.
Application March 30, 1934, Serial No. 718,186
11 Claims. (Cl. 126—350)



1. A conversion burner structure, for use in combination with a water tank, comprising a plate adapted to cooperate with a part of the tank to form a combustion chamber, an open-ended air box extending through the plate, and a burner in said box, said box with the burner being adjustable in a direction perpendicular to the plate.

2,041,684
WINDOW LOCKING DEVICE
Victor A. Anderson, Chicago, Ill.
Application August 10, 1935, Serial No. 35,553
7 Claims. (Cl. 292—169)

4. A sash lock comprising means providing an undercut slotted keeper on a stile of an upper sash, said means having a plurality of notches along one margin of the slot, a locking member adapted to be secured to the top rail of a lower sash and having a flanged head for sliding in said undercut, said barrel having a lateral notch in said flange and extending rearwardly therefrom, a piston bolt slidable within said barrel and having an angularly disposed head ex-



barrel and adapted to enter a keeper notch, a tending through said barrel notch laterally of the spring within said barrel tensioned to project said bolt, and cam means pivoted to said bolt to retract it.

2,041,685
SWITCH BOX
Charles S. Barkelew, Los Angeles, Calif.
Application July 17, 1933, Serial No. 680,808
1 Claim. (Cl. 200—168)

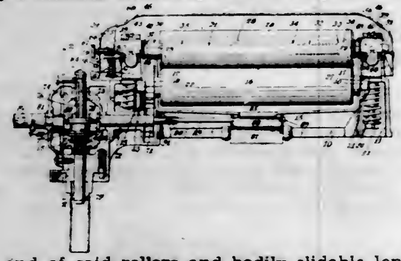


A switch comprising a box having parallel side walls, a movable switch operating member within the box adjacent the inside surface of one of said walls, said member projecting forwardly of the front plane of the box, and a door hinged to the opposite side wall of the box, said door having a slot in its free edge of a width sufficient to pass the switch operating member as the door is swung closed, the inner edge of said slot being so disposed as to approach comparatively closely to the inside surface of the switch operating member when the door is closed, and the excess width of the slot on the opposite side of the switch operating member overlapping the side wall of the box when the door is closed.

2,041,686
WRINGER
Thomas W. Behan, Binghamton, N. Y., assignor to Nineteen Hundred Corporation, Binghamton, N. Y., a corporation of New York
Application April 30, 1932, Serial No. 608,391
30 Claims. (Cl. 68—32)

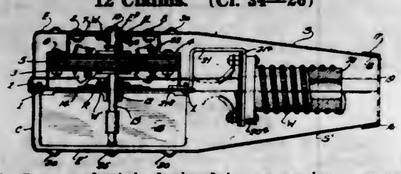
1. In a wringer a main frame, a cover therefor, a pair of rollers removably carried by said main frame independently of said cover, spring tensioning means in said frame completely disconnected from said rollers and permitting ready removal thereof when said wringer is released, means for connecting one of said rollers with said tensioning means to create pressure between the rollers, said last mentioned means compris-

ing a member extending substantially from end



to end of said rollers and bodily slidable longitudinally of said rollers.
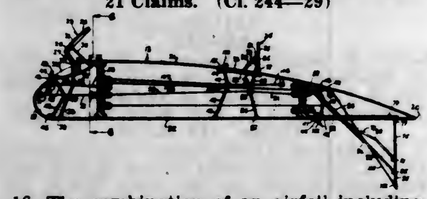
2,041,687
ELECTRIC HAIR DRIER
Bernhart A. Benson, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application July 1, 1935, Serial No. 29,218
12 Claims. (Cl. 34—26)



1. In an electric hair drier, a casing comprising a rearward part of horizontally axial drum shape and a horizontal spout into the rear end of which a side part of the said casing portion opens, a partition spanning the bore of the drum and extending parallel to the drum ends substantially in a vertical plane diametric of the axis of the spout, a motor supported within the drum at one side of the partition and having a shaft extending through the partition, a fan fast on the said shaft at the opposite side of the partition from the motor, and a heating unit supported within the said spout, both ends of the drum having ports for admitting air.

9. An electric hair drier as per claim 1, in which the motor is fastened to the partition, the hair drier including an inner bearing in which the shaft of the motor is journaled, the said inner bearing being fastened to the partition so as to be detachable from the casing conjointly with the partition and the motor.

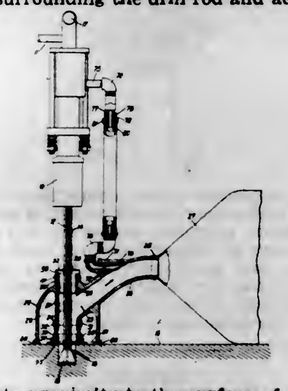
2,041,688
AIRPLANE CONSTRUCTION
George E. Barnhart, Pasadena, Calif.
Application July 30, 1934, Serial No. 737,622
21 Claims. (Cl. 244—29)



16. The combination of an airfoil including a leading edge and a trailing edge, and a vane member, said vane member comprising a pair of sections having their end edges hinged together, means to pivotally secure the free edge of one of said vane sections to said airfoil so that said one section may fold upon the airfoil, and means to swing said vane member outward from a position upon the airfoil.

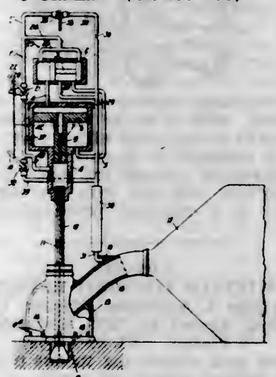
2,041,689
DUST REMOVER FOR DRILLS AND THE LIKE
Paul A. Baumeister, Flushing, and Albert D. Saunders, Great Neck, N. Y., assignors to The Arthur A. Johnson Corporation, Long Island City, N. Y., a corporation of New York
Application July 5, 1933, Serial No. 679,020
8 Claims. (Cl. 255—50)

8. In a rock drill, in combination, a drill rod, a nozzle surrounding the drill rod and adapted to



extend into proximity to the surface of the body being drilled, means for engaging the work to space the intake end of the nozzle from the work, and a mouthpiece supported in the end of said nozzle and extending beyond the intake end thereof but spaced from the nozzle so as to provide an annular air passage between the outer surface of said mouthpiece and the inner surface of said nozzle.

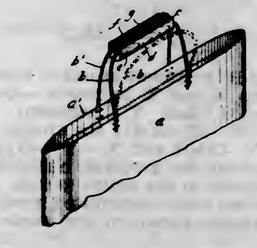
2,041,690
PNEUMATIC DRILL
Paul A. Baumeister, Flushing, and Albert D. Saunders, Great Neck, N. Y., assignors to The Arthur A. Johnson Corporation, Long Island City, N. Y., a corporation of New York
Application January 13, 1934, Serial No. 706,478
9 Claims. (Cl. 255—50)



1. In a pneumatic drill, in combination, a hollow drill bit, a drill motor, a suction device, means

effective during normal operation of the motor for causing compressed air to be supplied through the bit for blowing out the hole in the work and for utilizing exhaust air from the motor to operate the suction device for conducting away dust and chips, and means operable when the motor is idle to supply air through the bit for blowing out the hole and for supplying air to operate the suction device.

2,041,691
HOLDER FOR SHOPPING BAGS
Herman O. Becklin, Portland, Oreg., assignor of forty-one one-hundredths to Wylie J. Compton, twenty-eight one-hundredths to George W. Wells and thirty-one one-hundredths to Thomas H. Willett and Lorey C. Willett, all of Portland, Oreg.
Application May 11, 1934, Serial No. 725,203
3 Claims. (Cl. 229—54)



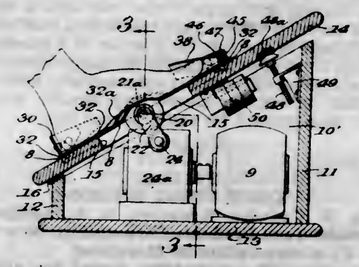
1. As a holder for shopping bags including two handles secured to opposite walls of the bag, and made of string of substantial uniform cross-section, an elongate bar provided in one face with parallel slots of substantial depth extending from end to end of the bar, one of said slots being adapted in width to admit either of said string handles freely, the other of said slots being substantially narrower and requiring the string handle to be forced therein, whereby the holder becomes temporarily affixed to, and a part of the latter string handle, while the other string handle may be freely inserted in or removed from the other slot of the holder.

2,041,692
TEXTILE PROCESS AND PRODUCT
George R. Blake and George W. Seymour, Cumberland, Md., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application September 3, 1932, Serial No. 631,738
29 Claims. (Cl. 28—1)

1. Method of conditioning textile materials containing organic derivatives of cellulose comprising incorporating a conditioning agent comprising a 1.3 diether therein.

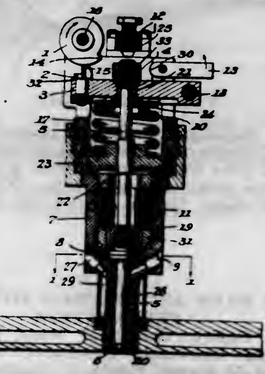
2,041,693
ARCH CORRECTOR FOR THE FEET
Fred S. Bolts, Mansfield, and Guy W. Estey, Taunton, Mass.
Application January 13, 1934, Serial No. 706,552
6 Claims. (Cl. 128—25)

1. An apparatus consisting of a foot holder, a roller, means for causing the roller to travel on the underneath central portion of the foot, the surface of the roller being so constructed that it will apply an intensified force to certain parts of the underneath central portion of the foot, when the roller is forced along the underneath portion of the foot, the roller being coun-



terweighted so that its surface will always contact the foot at a specified point on the roller.

2,041,694
SAMPLING VALVE
Edmond C. Buckley, Langley Field, Va.
Application March 27, 1934, Serial No. 717,601
13 Claims. (Cl. 137—145)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a device of the class described, a movable valve stem, provided with an anvil and a means for periodically actuating said valve stem comprising a resilient means for normally holding the valve stem in its closed position, a movable hammer slidable on said valve stem and movable about a fixed axis at one end for impact with the anvil and a means for periodically impelling said hammer into impact with said anvil.

2,041,695
SHOE FORM
James F. Clark and Edward B. Clark, Toronto, Ontario, Canada
Application November 14, 1934, Serial No. 753,011
9 Claims. (Cl. 12—128.1)



1. In a shoe form for insertion into a shoe or other similar footwear, the combination of a member having the general form of the forward por-

tion of the interior of a shoe, said member being provided with a recess extending forwardly from a position approximately corresponding to a shoe vamp throat line toward the toe, and a sponge rubber cushion within said recess and conforming to the shape of the flexible portion of a shoe upper forward from approximately its vamp throat line, and said member having a substantially non-compressible section for supporting flexible portions of the shoe beyond its vamp throat line.

2,041,696

INSULATING BOARD

Philip W. Codwise, Kenmore, N. Y., assignor to Certain-Teed Products Corporation, New York, N. Y., a corporation of Maryland

Application March 8, 1930, Serial No. 434,390
17 Claims. (Cl. 154—44)



1. An insulating wallboard comprising a plurality of layers of a material composed of a plurality of plies containing ground wood and diatomaceous earth, the plies being felted together, and the inner layers containing mixed paper stock.

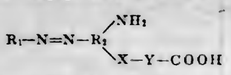
2,041,697

AZO DYES AND METHOD FOR THEIR PREPARATION

Samuel Coffey, Crossland Moor, Huddersfield, Morvan Lapworth, Stockport, and Wilfred Archibald Sexton, Gledholt, Huddersfield, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application November 27, 1933, Serial No. 700,016. In Great Britain November 30, 1932
16 Claims. (Cl. 8—5)

8. Azo dyes having in the form of their free acid the following general formula:



wherein R_1 represents the residue of an ice color coupling component, R_2 represents an aromatic nucleus free from water-solubilizing groups, X represents sulfur, oxygen, or the imine group, and Y represents a radical of the series $—CH_2—$, —CH(alkyl)—, and $—C(alkyl)_2—$, the group X—Y—COOH being located on the aromatic nucleus R in ortho position to the amino group.

14. A process of dyeing textile material which comprises applying thereto an aqueous solution of an azo dyestuff of the general formula as defined by claim 8, and treating the fiber further with dilute mineral acid whereby to lactamize the dyestuff on the fiber and convert it in to a water-insoluble form.

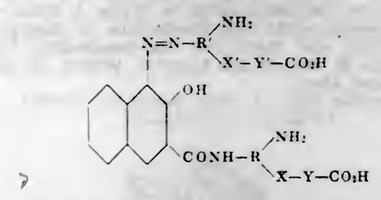
2,041,698

AZO DYES AND METHOD FOR THEIR PREPARATION

Samuel Coffey, Huddersfield, and Wilfred Archibald Sexton, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application February 8, 1934, Serial No. 710,375. In Great Britain February 14, 1933
7 Claims. (Cl. 260—95)

3. Azo dyes having in the form of their free acids the following general formula



where R and R′ represent aromatic nuclei of the benzene series, X and X′ represent —O—, —S—, or —NH—, Y and Y′ represent $—CH_2—$, —CH(alkyl)—, $—C(alkyl)_2$, the groups

X—Y—CO_2H and X′—Y′—CO_2H

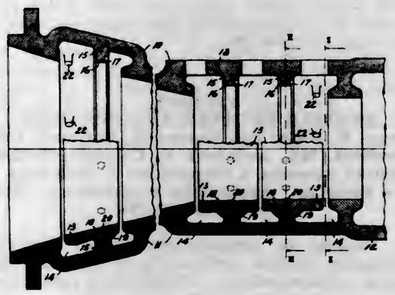
being located on the aromatic nuclei R and R′ in ortho position to the amino groups, said dyes being free from water-solubilizing groups beyond the CO_2H groups shown in the above formula.

2,041,699

STEAM TURBINE CASING AND METHOD OF MANUFACTURING THE SAME

Hans P. Dahlstrand, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware

Application August 23, 1933, Serial No. 686,374
13 Claims. (Cl. 29—148.2)



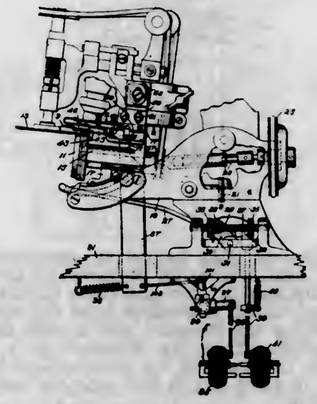
1. The method of making a steam turbine casing having steam passages therein, comprising forming an outer casing in a plurality of complementary sections having inwardly projecting supporting elements, forming inner casing sections adapted to be carried within said outer casing sections in position to form steam passages therebetween and having openings complementary to said supporting elements, heating said inner casing sections to expand said openings, shrinking said inner casing sections on to said supporting elements, and welding said inner casing sections to said supporting elements.

2,041,700

SKIVING MACHINE

Hiotte A. Davis, Lynchburg, Va., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application June 27, 1933, Serial No. 677,883
Renewed August 13, 1935
6 Claims. (Cl. 69—16)



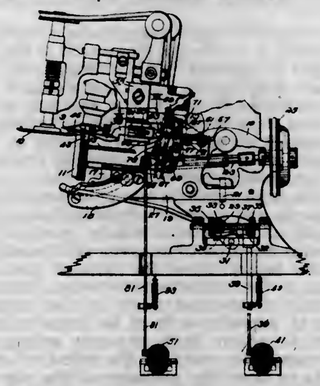
1. A skiving machine having, in combination, a knife, an angularly adjustable feed roll, an edge guide, a presser, said edge guide and presser being adjustable across the work-supporting surface of the feed roll, stops for limiting the extent of this movement of adjustment, yielding means for normally holding the guide and presser in a position determined by one of the stops, and operator-controlled means for moving them instantly into a position determined by the other stop.

2,041,701

SKIVING MACHINE

Milton H. Roske, Milwaukee, Wis., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application January 9, 1934, Serial No. 705,931
Renewed May 3, 1935
13 Claims. (Cl. 69—16)



1. A skiving machine having, in combination, work-engaging parts including a knife, a feed roll and a presser so constructed and arranged that changing their angular relation changes the angle of the scarf produced, an edge guide adjustable transverse to the direction of feed movement of the work to change the width of the scarf, a single operator-controlled member manipulation of which changes the angular relation of the first-named parts and adjusts the edge guide, and a second operator-controlled member which may be manipulated to adjust the edge guide without changing the angular relation of the other parts.

2,041,702

CONDENSATION PRODUCTS OF HIGH MOLECULAR WEIGHT POLYHYDRIC ALCOHOLS AND PROCESSES FOR MAKING THE SAME

Harry Eatough, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 15, 1934, Serial No. 730,784
14 Claims. (Cl. 260—151)

1. Process of preparing condensation products of a polyhydric alcohol of at least 10 carbon atoms, which comprises heating said polyhydric alcohol at an elevated temperature of at least 130° C. in the presence of a condensation catalyst of the class consisting of dehydrating oxides and hydroxides.

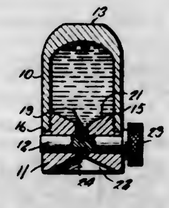
7. As a new product, a dehydration condensation polymer of a polyhydric alcohol of at least 10 carbon atoms.

2,041,703

DISPENSING UNIT

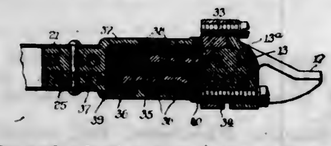
Frederick J. Gleason, Bayonne, and Stanley W. Burnham, Elizabeth, N. J., assignors to Merck & Co. Inc., Rahway, N. J., a corporation of New Jersey

Application December 28, 1934, Serial No. 759,472
3 Claims. (Cl. 221—106)



3. In a portable mercury dispensing device of the character described, a container having one end flattened and closed for the upright support of the container and said container being open at its other end, a valve block having one portion thereof removably mounted within the open end of the container and the other portion outwardly of the container being of substantially the same transverse dimension as the container to provide a symmetrical structure and a valve stem rotatable in the valve block and adapted for dispensing the contents of the container in predetermined quantities, and for measuring the quantity of mercury to be introduced into the container, the outer end of said valve block having a relatively wide conical recess therein extending from a point adjacent the marginal edge of the block and terminating in a central opening of substantially the same diameter as the valve opening in the valve block and stem adapted for the reception of material when the container is inverted for feeding material into the container in predetermined quantities.

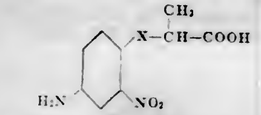
2,041,704
STEERING HANDLE
Walter L. Gordon and Harry L. Johnson, Waukegan, Ill., assignors to Johnson Brothers Engineering Corporation, Waukegan, Ill., a corporation of Illinois
Application February 5, 1934, Serial No. 709,689
2 Claims. (Cl. 115—18)



1. In a shock absorbing device, a stem and a socket in which the stem extends, a stud upon which the stem is pivoted, the stem having an opening extending from between the stem and socket to the stud, and a rubber cushion between the stem and socket extending also in the opening of the stem to the stud to produce a damping effect upon the turning movement thereon.

2,041,705
AMINO DERIVATIVES OF O-NITRO-PHENYL-LACTIC AND THIOLACTIC ACIDS
Norman Hulton Haddock and Arnold Kershaw, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application October 29, 1934, Serial No. 750,603. In Great Britain November 15, 1933
4 Claims. (Cl. 260—109)

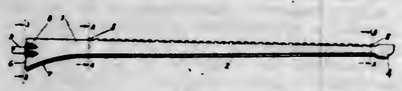
1. A compound, of the general formula



wherein X represents a member of the group consisting of O and S.

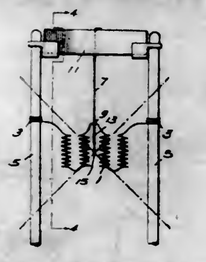
4. A process for producing 2-nitro-4-amino-phenyl-lactic acid which comprises reacting p-acetylaminophenol, in aqueous alkaline solution, with an alkal-metal salt of α-bromo-propionic acid, mono-nitrating the intermediate p-acetylamino-phenyl-lactic acid, and hydrolyzing the resulting p-acetylamino-o-nitro-phenyl-lactic acid.

2,041,706
GASEOUS FUEL BURNER
Otto W. Hahn, San Francisco, Calif.
Application July 25, 1932, Serial No. 624,506
8 Claims. (Cl. 158—99)



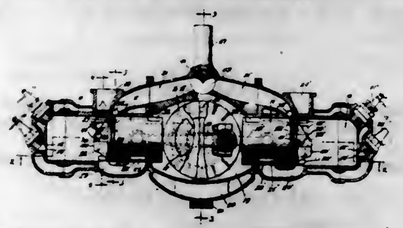
1. A gas burner comprising a substantially flat-sided body of elongated flute-like form, said body provided with a gas inlet nozzle and air inlet space at an end, closed at the opposite end and tapered smaller from the discharge end of the inlet nozzle to said opposite end, the inlet end of said burner being outwardly flared and the gas nozzle entering at an intermediate point in the height of the sides at the flared end of the body.

2,041,707
LAMP FOCUSING SIGHT
Wilbur T. Harding, Dayton, Ohio
Application August 27, 1934, Serial No. 741,718
6 Claims. (Cl. 176—16)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



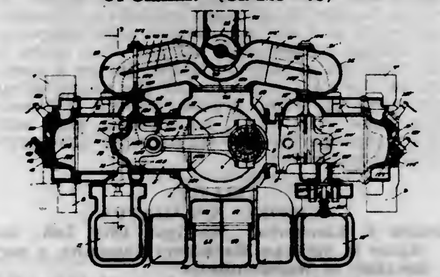
6. A filament lamp having, in combination, a filament: lead-in wires for the same: an insulator between the lead-in wires and above the filament: a filament support depending from the insulator and engaging the filament: and a sight fixed to and depending from the insulator in a plane parallel to the plane of the filament and having its lower or sight end in line with the center of the filament.

2,041,708
COMBUSTION ENGINE
William Harper, Jr., Port Washington, N. Y., assignor to H. B. Meter Corporation, a corporation of New York
Application January 20, 1931, Serial No. 509,947
15 Claims. (Cl. 123—56)



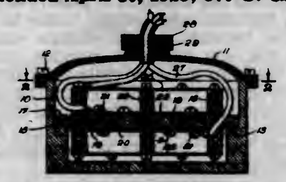
6. A combustion engine comprising a crank case, a crank shaft, a crank disc connected to the crank shaft, a pair of opposed cylinders supported by the crank case and having inlet and exhaust ports, pistons connected to said crank disc and adapted to open and close the ports in the cylinders, connected supercharging chambers having an opening at their juncture leading into the crank case, a valve controlling said opening, means for connecting the inlet ports in the cylinders with the crank case in one position of the pistons, spaced escapement ports in each cylinder, grooves in the piston heads adapted to uncover said escapement ports at the beginning of the exhaust and at the beginning of the compression stroke, ducts connecting the escapement ports of the respective cylinders to opposite ends of said supercharging chambers to admit high pressure exhaust gas thereto, means for varying the effective area of said ducts to vary the pressure of the gas passing therethrough, by-pass grooves in the piston adapted to connect the supercharging chambers with the main exhaust ports in the cylinders to relieve the supercharging chambers of exhaust gas, and vanes on the crank disc to blow the burnt gas from the gas chambers.

2,041,709
COMBUSTION ENGINE
William Harper, Jr., Port Washington, N. Y., assignor to H. B. Meter Corporation, a corporation of New York
Application December 8, 1932, Serial No. 646,839
34 Claims. (Cl. 123—73)



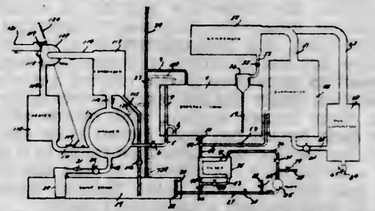
61. A combustion engine comprising a plurality of cylinders having inlet and exhaust ports, a crank case supporting said cylinders, a crank shaft in said crank case, pistons in said cylinders connected to said crank shaft, spaced discs on said crank shaft in sealing contact with the walls of said crank case and dividing said crank case into separated compression chambers for charging said cylinders through said inlet ports, a fluid supply source, means controlled by said discs for connecting said supply source to said compression chambers, a plurality of supercharging chambers each having one end connected to an individual compression chamber, means for admitting high pressure exhaust gas to the other end of each supercharging chamber to supercharge said cylinders, an exhaust manifold, and a rotary valve having ports adapted to connect said supercharging chambers with said exhaust manifold to discharge said exhaust gas after supercharging.

2,041,710
SOUND DETECTING APPARATUS
Harvey C. Hayes, Washington, D. C.
Application May 27, 1931, Serial No. 540,483
1 Claim. (Cl. 179—171)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



In a vibration detecting apparatus, a pair of oscillating tube circuits having normally the same frequency, each of said tube circuits including an inductance in its plate circuit, a pair of variable condensers having normally equal capacities, means for oppositely varying the capacities of said condensers in accordance with sound wave vibrations, each of said condensers being connected across said inductance in one of the tube circuits, a detector tube circuit inductively coupled with said oscillating tube circuits so as to indicate the beats produced by differential changes in frequency in said oscillating tube circuits and means for initially bringing said oscillating tube circuits to the same frequency, comprising a second variable condenser connected in each of said oscillating tube circuits.

2,041,711
APPARATUS FOR CLEANING FABRICS
Russell A. Hetzer, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application June 18, 1930, Serial No. 462,061
In Great Britain May 29, 1930
17 Claims. (Cl. 68—38)

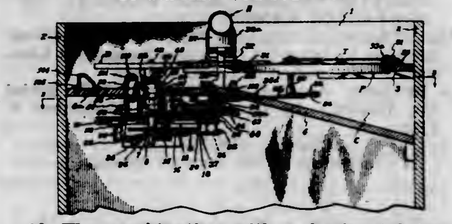


16. Dry cleaning apparatus wherein fabric is subjected to treatment with a volatile solvent comprising a treating circuit, a sump tank for containing solvent, a vent pipe extending from the treating circuit to the lower portion of said sump tank, means for transferring liquid from the bottom portion of said sump tank to another part of the apparatus, and means for rendering said transferring means inoperative before the level of liquid in said sump tank falls below the lower end of said vent pipe.

2,041,712
ART OF COATING
Glen S. Hiers, Pittsburgh, Pa., assignor to Collins & Aikman Corporation, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application April 25, 1931, Serial No. 532,993
12 Claims. (Cl. 134—17)

1. In the art of coating, the step which consists in spreading upon a permeable surface an unhydrolyzed, uncreamed composition of matter comprising an aqueous sol having an abnormal viscosity as compared with normal stabilized latex and a subnormal concentration of solidifiable rubber colloids as compared with the minimum concentration in normal latex.

2,041,713
METHOD OF AND APPARATUS FOR MANIPULATING ARTICLES, SUCH AS TALKING MACHINE OR PHONOGRAPH RECORDS
Herman Hollerith, Jr., Riverton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application May 23, 1929, Serial No. 365,253
18 Claims. (Cl. 274—10)



10. The combination with a horizontal turntable, and means for moving said turntable in opposite directions along a path leading to a sound reproducing position, of a supporting structure for a group of superposed talking machine

or phonograph records, means for successively removing the respective records defining one end of said group of records and for transporting them in succession into said path for successive movement thereof to said position, a sound reproducing instrumentality in said position, means for successively moving said instrumentality in one direction laterally of the respective records to initiate the respective periods of sound reproduction, means for successively removing said records from said instrumentality after the respective periods of sound reproduction and for successively imparting to said records a motion of translation under the influence of energy derived from their rotary motion, and means effective after each record has been moved from said position for moving said instrumentality in a direction substantially the reverse of said one direction and with a given point thereon travelling only in substantially a horizontal plane.

2,041,714

MINING APPARATUS

Morris P. Holmes, Claremont, N. H., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application June 9, 1931, Serial No. 543,145
28 Claims. (Cl. 262—28)



4. In a mining apparatus, a portable base, a horizontal guiding frame swiveled on said base, kerf cutting mechanism mounted on said guiding frame for movement therealong, a motor suspended beneath said guiding frame and stationary as regards movement relative to said frame, and mechanism driven by said motor for driving said kerf cutting mechanism.

2,041,715

CELLULOSE DERIVATIVE COMPOSITIONS

Emmette F. Izard, Elsmere, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application April 11, 1935, Serial No. 15,817. In Great Britain May 8, 1933
25 Claims. (Cl. 106—10)

1. A new composition of matter comprising a cellulose ester of an organic acid and, in plasticizing proportions, a levulinic acid ester of an ether alcohol.

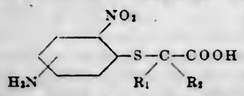
2,041,716

AMINO-ORTHO-NITRO-ARYL-THIOCARBOXYLIC ACIDS, AND PROCESS OF PREPARING SAME

Arnold Kershaw, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application October 29, 1934, Serial No. 750,602. In Great Britain November 9, 1933
8 Claims. (Cl. 260—109)

2. A compound of the general formula



wherein R_1 represents a methyl group, while R_2 stands for a member of the group consisting of hydrogen or methyl, and wherein the phenyl nucleus may be further substituted by inert substituents, selected from the group consisting of halogen, alkyl and alkoxy.

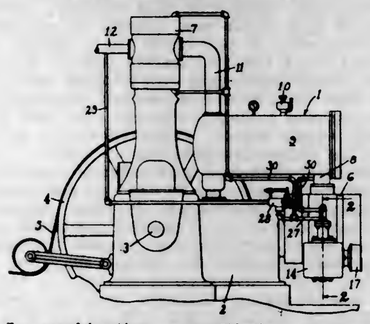
6. The process of producing an ortho-nitro-aryl-thiocarboxylic acid possessing further a diazotizable amino group, which comprises reacting in alkaline alcoholic medium a thioalkyl-carboxylic acid and an aromatic nitro compound containing a replaceable halogen atom ortho to the nitro group and containing further a member of the class consisting of the amino group and acylated amino groups, diluting the reaction mass with water, neutralizing with acid, and recovering the free amino-ortho-nitro-aryl-thiocarboxylic acid.

2,041,717

PUMPING APPARATUS

Ralph E. Lamberton, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application November 27, 1934, Serial No. 755,014
13 Claims. (Cl. 230—26)



1. In combination, a multi-stage compressor having an intercooler, an intake closure type unloader for the low pressure cylinder, an unloading apparatus for the high pressure cylinder effective to interrupt the discharge of pressure from the intercooler by said high pressure cylinder, and means for simultaneously providing a controlled venting of the intercooler pressure.

9. In combination, a multi-stage compressor having high and low pressure cylinders and means connecting the discharge of the latter to the intake of the former, intake closure unloading means for the low pressure cylinder, unloading means for the high pressure cylinder interrupting when effective the pumping action thereof, and means for discharging fluid from said connecting means while said unloading means are effective at at least as low a pressure as normally prevails in said connection during pumping.

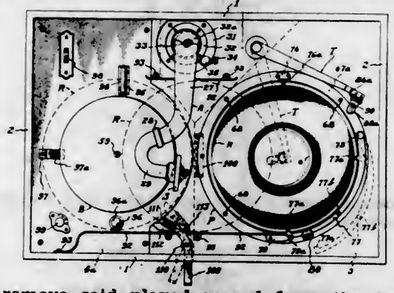
2,041,718

METHOD OF AND APPARATUS FOR MANIPULATING ARTICLES, SUCH AS TALKING MACHINE OR PHONOGRAPH RECORDS

William D. La Rue, Maple Shade, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application January 15, 1929, Serial No. 332,689
25 Claims. (Cl. 274—10)

12. In apparatus of the class described, the combination of a magazine for unplayed records, a vertically movable turntable having a playing position in substantially the same horizontal plane as the top of said magazine, means for transferring records in succession from said magazine to said turntable, a magazine for played records positioned substantially directly below said magazine for unplayed records, means for lowering said turntable from playing position, and means spaced around said turntable in the path of movement of a played record thereon



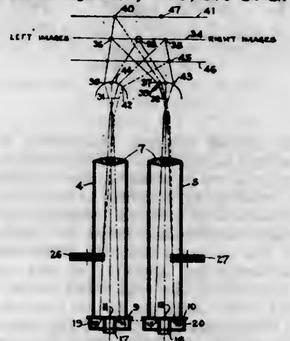
to remove said played record from the turntable, said means including a fixed member at one side of said turntable and one or more rollers spaced from said fixed member around said turntable, whereby rotary movement of said record causes translation thereof to said magazine for played records.

2,041,719

PRISMOSTEREOPHOROMETER

Arthur W. Loy, United States Navy, Vallejo, Calif.

Application October 14, 1932, Serial No. 637,721
13 Claims. (Cl. 88—20)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



8. In a device of the class described, means to project a pair of beams of light to one eye only of an observer, like means to project a like pair of beams to the other eye only of said observer, all of said beams being in a common plane, means to displace in said plane one beam of one pair to cause the source thereof to appear to be at a different distance from the eye of an observer, means to displace the corresponding beam of the other pair to cause its source to appear to be at the same distance from the eye as the apparent distance of the source of the first mentioned displaced beam and means to compare the displacements of the two beams.

2,041,720

BAILER

August A. Melo, Taft, Calif., assignor to Paul Cavins, Los Angeles, Calif.

Application October 4, 1932, Serial No. 636,219
3 Claims. (Cl. 166—19)

1. A device of the character described comprising a barrel having a bottom inlet, an anvil connected to said barrel, a swab frictionally mounted in and adapted for longitudinal movement in said barrel to draw material through the bottom inlet, means extending from within the barrel to the exterior thereof for moving said swab in said barrel, said means being capable of limited independent movement with respect to



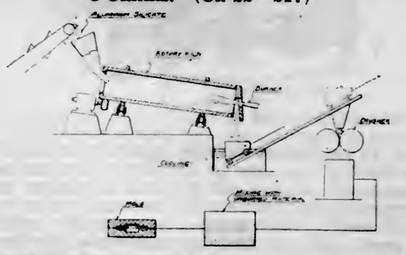
said swab, and a hammer carried by said means and by reason of said independent movement adapted to impact said anvil to dislodge the barrel when stuck in the well without moving said swab with respect to said barrel while the hammer is being impacted.

2,041,721

METHOD OF MAKING FOUNDRY SAND

Charles L. Norton, Boston, Mass., assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey

Application November 19, 1934, Serial No. 753,643
3 Claims. (Cl. 22—217)



1. The method of making foundry sand which comprises passing aluminum silicate continuously through a kiln, progressively heating it therein to the temperature of incipient fusion, withdrawing it from the kiln, cooling and comminuting it.

2,041,722

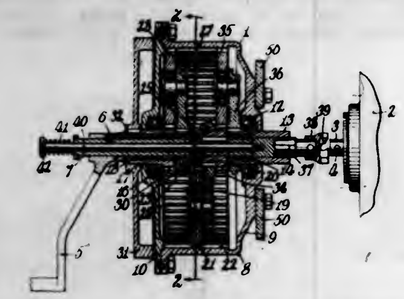
ENGINE STARTING APPARATUS

Carl O. Nygren, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts

Application December 26, 1931, Serial No. 583,316
22 Claims. (Cl. 123—179)

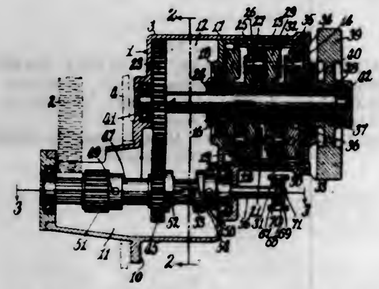
1. An engine starter having a drive including a driving member adapted to drive a member of an engine to be started and including reduction gearing, an inertia member, reduction gearing for connecting said inertia member with said drive,

and means for transmitting rotation to said inertia member through only the second mentioned reduction gearing, said first mentioned reduction gearing including exclusively gears dis-



tinct from the gears of said second mentioned reduction gearing, and all of which rotate at slower angular rates than any of the gears of said second mentioned reduction gearing.

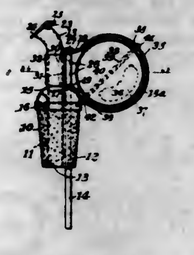
2,041,723
ENGINE STARTING MECHANISM
Carl O. Nygren, Michigan City, Ind., assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application July 11, 1932, Serial No. 621,925
23 Claims. (Cl. 123—179)



1. In an engine starting apparatus of the type in which a ring gear or the like on the engine is engageable during the starting operation by a terminal gear of the starter and such engagement is thereafter interrupted, a gear member adapted to mesh with and drive the engine gear, an inertia wheel, manually operable means including a reduction gear train comprising intermeshing reduction gearing for storing energy in said inertia wheel, and means for manually shifting said gear member into meshing engagement with said engine gear while said inertia wheel is rotating and thereafter connecting said gear member for drive by said inertia wheel through said gear train.

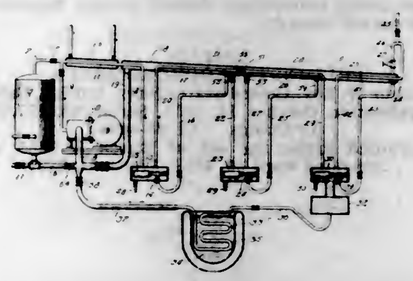
2,041,724
SWIVEL SIGN POURING CLOSURE
Leon R. Paul, Brooklyn, N. Y.
Application May 21, 1935, Serial No. 22,540
12 Claims. (Cl. 215—79)

1. A dispensing stopper for bottles comprising a cork, a flow tube, and a vent tube, said tubes projecting through the cork; a single piece frame including extensions having orifices for receiving the pouring and vent tubes respectively in in-



terlocked relation with said frame and a display device swiveled in said frame.

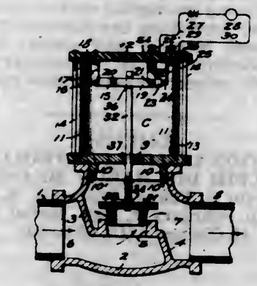
2,041,725
ART OF REFRIGERATION
Walter J. Podbielniak, Chicago, Ill.
Application July 14, 1934, Serial No. 735,096
17 Claims. (Cl. 62—170)



1. In the art of cooling, subjecting a gaseous mixture having a range of boiling points, to compression from a low pressure stage to a high pressure stage, cooling the mixture to condense higher boiling constituents thereof, separating the resulting initial condensate from the uncondensed portion of the gaseous mixture while maintaining the uncondensed portion at the said high pressure, expanding the separated initial condensate to said lower pressure stage, cooling the uncondensed compressed portion of the gaseous mixture by the gases resulting from the expanding of the said initial condensate, thereby condensing a further portion of the compressed gaseous mixture, effecting separation of the resulting condensate from the remaining uncondensed compressed gases, and repeating the steps of expansion of the condensate and cooling of the uncondensed compressed gas thereby, and returning the gases from expansion of the condensates for recompression to the high pressure stage.

2,041,726
FLUID CONTROLLED SWITCH
George E. Pray, Fort Monmouth, Oceanport, N. J.
Application August 17, 1932, Serial No. 629,161
4 Claims. (Cl. 200—81)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An electric switch circuit control mechanism, comprising an electric switch and a lever system for actuating the switch; means responsive to fluid flow comprising a valve structure and including interior web portions formed to define an orifice for directing the flow of a circulating fluid; a movable element of said valve having a tapered formation; and means for locating said element in normal operative relation to said



orifice whereby said element is supported and operated by the flow of fluid through said orifice, said means including an adjustable coupling for coordinating said element and lever system to control the operation of said system in response to maximum and minimum predetermined variations in the rate of fluid flow.

2,041,727
METHOD OF OPENING BIVALVES
Herbert F. Prytherch and Vera Koehring, Beaufort, N. C.
No Drawing. Application April 15, 1933, Serial No. 666,553
16 Claims. (Cl. 17—45)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

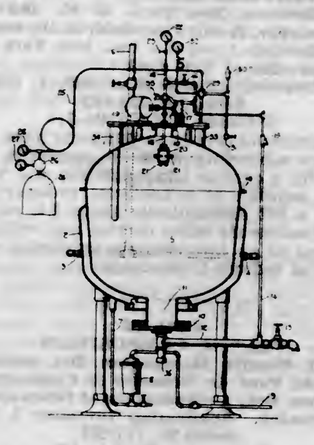
1. A process of treating bivalves for opening the same without injury thereto which comprises the steps of shocking the bivalves and treating the same with a non-injurious muscular relaxation chemical agent.

2,041,728
TEXTILE PROCESS
George Schneider, Montclair, N. J., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application September 14, 1933, Serial No. 689,493
21 Claims. (Cl. 22—1)

1. The process of producing artificial textile material of improved properties comprising adding to the textile material a polymerized but substantially non-oxidized oil.

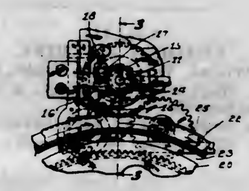
2,041,729
OXIDIZED OIL FOR ARTIFICIAL TEXTILE MATERIALS
George W. Seymour, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application June 29, 1934, Serial No. 732,992
7 Claims. (Cl. 87—12)

1. A method of oxidizing vegetable oils, which comprises subjecting vegetable oil to the action of oxygen at a temperature between 100° and 200°



C. and a pressure of 45 to 60 lbs. per square inch, in the presence of a small amount of whale oil.

2,041,730
PRINTING MECHANISM
Abe J. Shickman and Walter A. Thum, St. Louis, Mo., assignors to The Vari-Color Machine Co., St. Louis, Mo., a corporation of Missouri
Application October 1, 1934, Serial No. 746,314
3 Claims. (Cl. 101—175)



1. In combination with a printing couple one of the members of which has a printing form thereon, a rotary ink-supply roller, an ink roll in constant engagement with said roller and positioned to be swung relatively of said supply roller into or out of engagement with said form while maintaining said engagement with said roller, and cam means operable in unison with the movement of said couple to swing said roll out of engagement with said form over a predetermined area of the latter.

2,041,731
PRODUCTION OF LEATHER
Leo Wallerstein, New York, N. Y., and Julius Pfannmuller, North Plainfield, N. J., assignors to Wallerstein Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application July 7, 1934, Serial No. 734,192
6 Claims. (Cl. 149—2)

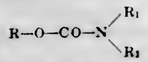
6. A process of dehairing skins and hides which comprises subjecting the skins or hides to treatment with an alkaline bath containing a proteolytic enzyme and amine compounds devoid of carboxyl groups.

2,041,732
LEATHER MANUFACTURING
Leo Wallerstein, New York, N. Y., and Julius Pfannmuller, North Plainfield, N. J., assignors to Wallerstein Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application July 7, 1934, Serial No. 734,193
5 Claims. (Cl. 149—2)

1. A process of dehairing skins and hides which comprises subjecting them to successive treatments with a caustic alkali solution and with an aqueous solution of a bacterial proteolytic enzyme at a pH substantially above 8.0, said successive treatments being carried out without intervention of an intermediate treatment with a solution of sodium bicarbonate.

2,041,733
PLASTIC COMPOSITION
James H. Wernts, Marshallton, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 3, 1934, Serial No. 751,280
9 Claims. (Cl. 106—37)

1. A composition comprising a cellulose derivative, and as a plasticizer therefor, an ester of the formula



wherein R is an aliphatic hydrocarbon radical of 8–18 carbon atoms, and R^1 is a hydrogen, alkyl, aryl, aralkyl or alicyclic radical and R^2 is a hydrogen, alkyl, aryl, aralkyl, or alicyclic radical.

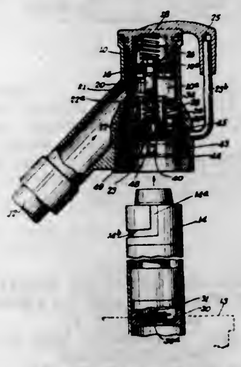
2,041,734
LOADING MACHINE
Albert C. Wilcox, Bridgeport, Ohio, assignor to Sullivan Machinery Company, a corporation of Massachusetts
Application September 17, 1931, Serial No. 563,368
52 Claims. (Cl. 214—90)



5. In a loading machine, a portable base, shovel mechanism on said base including a swingable shovel member and supporting means therefor, mechanism for moving said shovel mechanism supporting means bodily relative to said base into its material penetrating position, conveying mechanism mounted on said supporting means and movable with said shovel mechanism for receiving the material discharged by said shovel member, mechanism operable independently of movement of said moving mechanism for swinging said shovel member into its discharging position, and a common source of power on the machine for actuating said shovel member moving and swinging mechanisms, and including a common power actuated element operatively connected to said latter mechanisms.

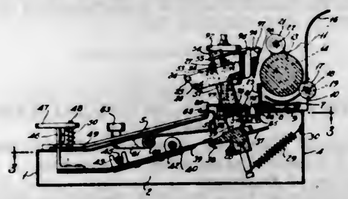
10. In a loading machine, a portable base having a horizontal guideway, a sliding frame overlying said base and guided on said guideway for movement relative to said base, the forward end of said frame overhanging said base, shovel mechanism on the overhanging end of said sliding frame including a shovel member, arms pivotally supporting said shovel member, means for moving said arms bodily with said sliding frame to move said shovel member into its material penetrating position, means for swinging said arms relative to said sliding frame operable while the latter remains stationary as regards sliding movement to swing said shovel member into its discharging position, and endless, continuously moving conveying means on said sliding frame for receeiving the material discharged by said shovel member and always having its material receiving end in a material receiving position with respect to said shovel mechanism.

2,041,735
COMBINATION INFLOW CONTROLLING AND FLUID DISCHARGE MEANS
Marvin S. Young, Scarsdale, N. Y.
Application February 2, 1935, Serial No. 4,592
10 Claims. (Cl. 221—84)



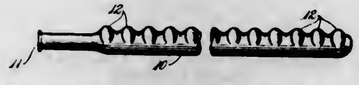
1. A control for a liquid dispensing apparatus which comprises a valve near the point of discharge, and a pressure actuated means in operative connection to said valve whereby said valve may be opened on adequate pressure on said pressure actuated means, means to hold the valve closed irrespective of the pressure, means to close the valve on less than adequate pressures, and means to release the valve holding means only when a receiving nozzle is in cooperative relation to receive the discharge.

2,041,736
TYPEWRITER
Harry Bates, New York, N. Y., assignor to Bates Laboratories, Inc., New York, N. Y., a corporation of New York
Application March 20, 1934, Serial No. 716,472
5 Claims. (Cl. 197—47)



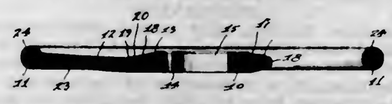
1. The combination with a fixed keyboard having a plurality of character designating areas having identifying notations thereon and arranged in four rows corresponding in position to the location of the keys of a universal typewriter keyboard, of a type carrying wheel, a fixed longitudinally extending rod, a selector pivotally and slidably mounted on said rod and slidable longitudinally of said keyboard and having a finger to register with any one of said character designating areas, a rack operatively associating said type carrying wheel with said selector whereby the registration of said finger with any one of said character designating areas will in turn position the corresponding type on said type carrying wheel in printing position, a pivotally mounted bracket operatively connected to said selector, said wheel being rotatably mounted in said bracket, and a spring maintaining said wheel and therewith said bracket in non-printing position, said selector being operable to actuate said wheel into printing position in opposition to said spring, said finger consisting of an arm extending laterally across said keyboard and having four orifices, one orifice for each row of character designating areas, said arm being composed of translucent material through which the character notations on said character designating areas may be read to facilitate selecting the character designating area corresponding to the type desired to be printed.

2,041,737
RUBBER ARTICLE
Carl L. Beal, Cuyahoga Falls, Ohio, assignor to American Anode, Inc., Akron, Ohio, a corporation of Delaware
Application January 28, 1935, Serial No. 3,767
6 Claims. (Cl. 46—87)



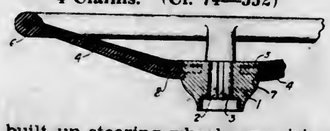
1. An inflatable hollow rubber article capable of assuming a toric configuration when inflated comprising a generally rectilinear tubular body of extensible rubber composition having a longitudinal zone of materially greater extensibility when subjected to inflation than another longitudinal zone of the body, whereby the tubular body upon inflation will assume a toric configuration.

2,041,738
STEERING WHEEL
Charles W. Beck, Toledo, Ohio, assignor, by mesne assignments, to Nellie M. Beck, Toledo, Ohio
Application February 6, 1928, Serial No. 252,251
3 Claims. (Cl. 74—552)



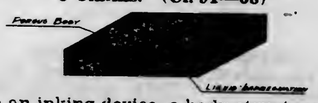
1. In a steering wheel, a hub having spokes extending radially therefrom, corrugated reinforcing members extending longitudinally of and embedded within said spokes, and a reinforcement for said hub including a member embedded therein terminating at one end in an annular channel-shaped portion, one wall of said channel being bent outwardly at the points of connection of the spokes with the hub constituting lateral flanges arranged to overlap the reinforcing members embedded within said spokes and are rigidly secured thereto.

2,041,739
STEERING WHEEL
Charles W. Beck, Toledo, Ohio, assignor, by mesne assignments, to Nellie M. Beck, Toledo, Ohio
Original application February 6, 1928, Serial No. 252,251. Divided and this application January 2, 1936, Serial No. 57,230
4 Claims. (Cl. 74—552)



1. A built-up steering wheel comprising a metallic spider consisting of a hub and separately formed spokes extending radially therefrom and being directly connected thereto, the said hub being provided with a bore whereby the same may be mounted directly on a steering shaft, a metallic reinforcing member connecting the outer ends of said spokes, and composition material embedding said reinforcing member and spokes.

2,041,740
INKING DEVICE
Arnold O. Beckman, Altadena, Calif., assignor, by mesne assignments, to National Technical Laboratories, Pasadena, Calif., a corporation of California
Application June 8, 1934, Serial No. 729,700
8 Claims. (Cl. 91—68)



1. In an inking device, a body structure formed of porous, friable material capable of wearing away upon mild abrasion to expose the pores thereof, and a liquid ink solvent carried by the pores of said body structure having the characteristics of being non-volatile and non-drying at ordinary atmospheric temperatures.

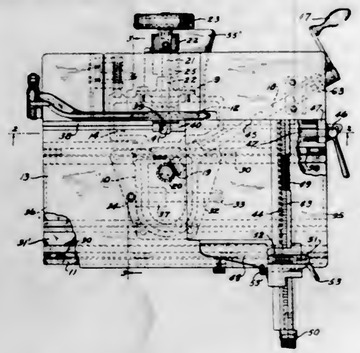
2,041,741
ABSORBENT FOR REFRIGERANTS
Francis Russell Bichowsky, Washington, D. C., assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
No Drawing. Application September 7, 1929, Serial No. 390,988
Renewed June 5, 1934
1 Claim. (Cl. 62—179)

The process of refrigeration which comprises heating under pressure a higher ammonia addition compound of manganese bromide to change the compound into a lower addition compound for expelling ammonia vapor from the compound, cooling the ammonia vapor to a liquid and collecting the liquid, then lowering the pressure and cooling the compound to cause the liquid ammonia to evaporate and be absorbed by the compound to reform a higher ammonia addition compound.

2,041,742
CUTTING MACHINE
Fredrick W. Billiker, Milwaukee, Wis.
Original application August 29, 1932, Serial No. 630,753. Divided and this application March 4, 1935, Serial No. 9,167
6 Claims. (Cl. 29—69)

1. In combination, a cutter, a work support movable past said cutter and having therein a

recess extending parallel to and located near the plane of cutting, a gage bar mounted upon said support and extending over said recess, a clamp on one side of said bar slidable along said support closely adjacent to said plane and having a rigid toothed shoe movable along said recess, an actu-



ating bar extending along said recess past said gage bar and having teeth engageable with the teeth of said shoe, and means associated with said actuating bar on the opposite side of said gage bar for moving said actuating bar to urge said clamp into clamping position.

2,041,743
PRINTING PLATE MATRIX
Theodore C. Browne, Hinsdale, Ill.
Application May 7, 1934, Serial No. 724,273
5 Claims. (Cl. 41—25)

[redacted]

1. A matrix for the production of printing plates from molded plastics having an impression-bearing face comprising a layer of a sulphur-free resilient compound capable of relatively large deformation within its elastic limit, an intermediate layer of rubber, and a metallic back vulcanized and united together to form a unitary matrix element.

2,041,744
PULVERULENT CLEANING COMPOSITION
Arthur B. Cummins, Plainfield, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
No Drawing. Application June 13, 1932, Serial No. 617,648
5 Claims. (Cl. 87—5)

1. A pulverulent composition of matter adapted for use as a cleanser, weighing not substantially more than 20 pounds to the cubic foot and comprising calcined diatomaceous earth particles retaining their diatomic structure not more than 2% of which are retained on a 30-mesh screen, and more than 5% of which are retained on a 325-mesh screen in a wet screening test, a powdered water-soluble soap and a detergent selected from the group consisting of sodium carbonate, sodium borate, sodium silicate and trisodium phosphate, the proportions by weight of the several ingredients of the said composition being of the order of the following: 65 to 90 parts of the diatomaceous earth, 2 to 10 parts of the soap, and 5 to 30 parts of the detergent.

2,041,745
MANUFACTURE OF CELLULOSIC PRODUCTS FROM WOOD, STRAW, GRASS, AND THE LIKE
Henry Dreyfus, London, England
No Drawing. Application February 11, 1933, Serial No. 656,363. In Great Britain March 4, 1932
8 Claims. (Cl. 92—2)

1. A process of manufacturing cellulosic products which comprises treating lignocellulosic materials with an alkali metal hydroxide solution of concentration below 5% at a temperature below 50° C. and under atmospheric pressure, and subsequently subjecting the materials to the action of a hot solution of an alkali metal bisulphite in which the ratio $SO_2:M_2O$ (where M is the alkali metal) is between 2.0 and 2.2 inclusive.

2,041,746
MANUFACTURE OF ALIPHATIC ANHYDRIDES
Henry Dreyfus, London, England
No Drawing. Application August 25, 1933, Serial No. 686,734. In Great Britain September 9, 1932
12 Claims. (Cl. 260—123)

1. In a process of the manufacture of lower aliphatic anhydrides by thermal decomposition of the corresponding lower aliphatic carboxylic acids, the step of catalyzing the decomposition by a salt of an oxy-acid of phosphorus, in which the phosphorus is present in a lower state of oxidation than it is in phosphoric acid, which salt is stable at the decomposition temperature.

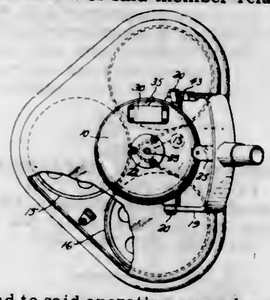
2,041,747
MANUFACTURE OF ALIPHATIC ANHYDRIDES
Henry Dreyfus, London, England
No Drawing. Application August 25, 1933, Serial No. 686,735. In Great Britain September 9, 1932
11 Claims. (Cl. 260—123)

1. Process for the manufacture of a lower aliphatic anhydride, which comprises thermally decomposing the corresponding acid to form the anhydride in a converter comprising an oxidizable metal in presence of a catalyst for the reaction and a solid metal-phosphorous-oxygen containing salt in which the phosphorous has a lower valence than in a phosphate.

2,041,748
ELECTRIC CIRCUIT CONTROLLING MECHANISM
Axel Olof Engberg and Anders Eriksson-Jons, Stockholm, Sweden, assignors to Inventia Patent-Verwertungs-Gesellschaft, Schaffhausen, Switzerland, a corporation of Switzerland
Application June 12, 1931, Serial No. 543,868
In Germany June 27, 1927
2 Claims. (Cl. 200—52)

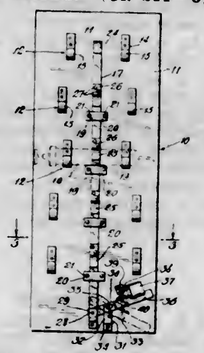
1. In a switch mechanism of the type wherein an electric switch is mounted on a casing and is provided with an operating arm adapted to be moved to open and close the switch by movement of a handle pivoted on said casing, the combination of a switch throw member adapted to abut said switch operating arm on either side of the latter, means for mounting said member upon said handle in such position as to bring it into abutment with said arm when said handle is

moved, and means including a pivot pin carried by said handle and a spring attached to said member and surrounding said pin for yieldingly resisting movement of said member relative to said



handle and to said operating arm when in engagement with the latter, whereby said member may successively abut, move, snap over and embrace said operating arm upon movement of said handle.

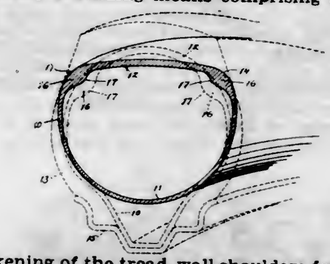
2,041,749
GREASE GUN RACK
Carl Fischer, Brooklyn, N. Y., assignor of one-third to Abe Vogel and one-third to Hyman Zitterbaum, both of Brooklyn, N. Y.
Application November 22, 1935, Serial No. 51,015
6 Claims. (Cl. 211—8)



1. In a rack, the combination of, a panel having a plurality of rows of alined hooks, a slidable member common to said rows and intermediately disposed between the hooks of the several rows, spaced blocks carried by said panel defining vertically spaced gaps in registration for slidably guiding said member, brace means abutting said blocks to prevent transverse displacement of said member, said member bodily carrying a plurality of arms adapted to frictionally clamp articles supported by the several rows of said hooks, and tiltable means pivotally connected to said member for slidably displacing the latter relative to said panel.

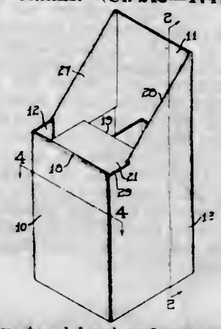
2,041,750
PNEUMATIC TIRE TUBE
Arthur G. Fitz Gerald, West Newton, Mass.
Application November 7, 1934, Serial No. 751,844
9 Claims. (Cl. 152—13)

1. A self-sealing, compression-tread, vulcanized-rubber pneumatic tube with a fully-elastic tread wall having an excess width of material when the tube is uninflated and adapted to be transversely compressed by inflation, and longitudinally extending means comprising a relative



thickening of the tread-wall shoulders for holding said shoulders against spreading.

2,041,751
DISPLAY STAND
Edward C. Folsom, Cleveland, and Falor E. Smyser, Toledo, Ohio, assignors to The Ottawa River Paper Company, Toledo, Ohio, a corporation of Ohio
Application January 2, 1934, Serial No. 704,818
7 Claims. (Cl. 248—174)

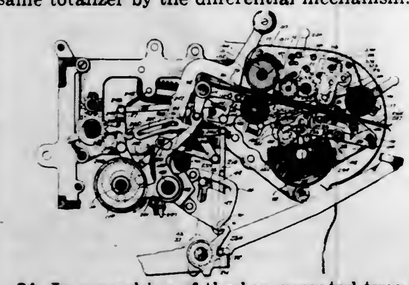


6. A display stand having front, rear and side walls, a flap connected at one end to the front wall and having its opposite end free and being foldable to a substantially horizontal position to lie opposite to the rear and side walls and to constitute a shelf, a substantially vertically disposed shelf support having a side movably connected to one of the walls and having an opposite side which is free and spaced from the wall opposite to said side, and a transverse member carried by the shelf support for holding the latter in operative position and against which the shelf abuts and foldable with the support against the wall to which the support is connected and against one of the side walls.

2,041,752
CASH REGISTER
Frederick L. Fuller, Ilion, N. Y., assignor, by mesne assignments, to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application January 18, 1927, Serial No. 161,751
39 Claims. (Cl. 235—3)

27. In a machine of the class described, the combination of a plurality of totalizers, a differential mechanism arranged to enter a series of items in a selected totalizer, a plurality of totalizer selecting keys, differential means under control of the totalizer selecting keys, a plurality of totalizer engaging plates, connecting devices between the totalizer engaging plates and the operating mechanism, a plurality of cam disks cooperating with said connecting devices, means

controlled by the totalizer selecting key differential means for adjusting the cam disks and through the connecting devices for rendering all but one of the associated totalizer engaging plates ineffective, and means whereby the totalizer selecting key differential means will be retained in its differentially moved position during the time that a series of items are being entered in the same totalizer by the differential mechanism.



34. In a machine of the key operated type having keys and printing devices actuated thereby for printing items upon either an inserted slip or on a check strip contained in the machine, the combination of a platen, means for cocking the platen, mechanism operable separately from the keys for releasing the platen for printing the total of a series of items upon either an inserted slip or check strip, means controlled by said mechanism for feeding the inserted slip or check strip out of the machine, a control lever for conditioning the machine for either check or slip printing, and means whereby movement of the control lever to the slip position will cause the check strip to be shifted to prevent its being fed out of the machine by said mechanism during slip feeding operations.

2,041,753
POWDER CONTAINER
Paul H. Ganz, New York, N. Y.
Application March 22, 1935, Serial No. 12,361
3 Claims. (Cl. 41—14)

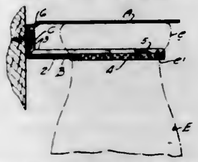


1. A sachet bag comprising a substantially spherical receptacle for sachet powder, an ornamental fringe of loops of limp fibrous material surrounding said receptacle and serving to conceal substantially the entire surface of the same, and a relatively rigid backing member serving to support the said receptacle and said fringe member, and supporting means associated with said fringe to support the said loops in a predetermined conformation, and an endless binding member of less diameter than said receptacle, uniting the ends of said loops so as to retain said receptacle within said loops.

2,041,754
PROCESS OF TREATING HYDROCARBON OIL
Wright W. Gary, Great Neck, N. Y.
No Drawing. Application January 8, 1934, Serial No. 705,820
11 Claims. (Cl. 196—40)

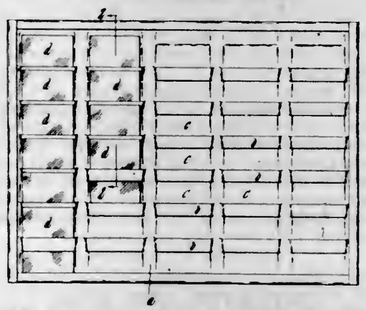
1. In the art of refining hydrocarbon oils by means of sulfuric acid for the removal of sulfur, gums, improvement of color, and the like, the step which comprises subjecting such oil to treatment with a mixture of sulfuric acid and a reagent comprising those water insoluble organic substances of the type which are dissolved in acid sludge obtained by treatment of another quantity of hydrocarbon oil with sulfuric acid and which have been separated or expressed from said acid sludge by the addition thereto of a substantial quantity of water.

2,041,755
COMBINED BOTTLE HOLDER AND CLOSURE-PROTECTOR
Joseph I. Gordon, Chicago, Ill.
Application May 4, 1934, Serial No. 723,837
1 Claim. (Cl. 248—312)



A bottle-supporting bracket constructed of a single section of material and integrally including a first flat plate-like member forked at an end for providing a pair of jaws for embracingly engaging the neck of a beaded-end bottle for dependingly supporting the same, a flange disposed approximately right-angularly to, and joined at its lower margin to the opposite end of, said member for providing an attaching plate for securing the bracket horizontally to and upon a support, and a second flat plate-like member united at its rear end to the upper margin of, and projecting in spaced approximately parallel relation to and over the first member from, said flange for flatwise overlying the mouth of the supported bottle, said first member being provided with upwardly presented knobs adjacent the free ends of the jaws for yieldingly retaining the suspended bottle against accidental displacement.

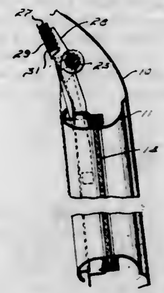
2,041,756
CARD HOLDER
Edward B. Gray, New Bedford, Mass.
Application October 30, 1935, Serial No. 47,421
5 Claims. (Cl. 40—124)



1. A holder comprising a body portion having alternate panels separated from one another by parallel cuts or slits while being integrally joined at their ends with the body, alternate panels being offset forwardly between their ends sufficiently to admit passage of a card behind them and in front of the panels immediately adjacent above and below.

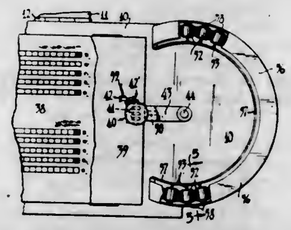
CARNEGIE LIBRARY OF ATLANTA

2,041,757
VEHICLE BODY
Alfred H. Haberstump, Detroit, Mich., assignor to The Murray Corporation of America, a corporation of Delaware
Application November 24, 1933, Serial No. 699,508.
12 Claims. (Cl. 296—44)



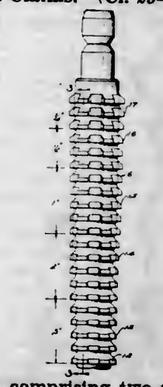
11. In a vehicle body construction formed of sheet metal and having a window opening therein, the metal at the marginal edges of said opening being preformed to provide the bottom and one side wall of a window receiving channel, a reinforcing member surrounding said window opening and preformed to mate with the bottom and side wall of said window receiving channel, and secured thereto.

2,041,758
COUNTER-ACTUATING MEANS FOR EDUCATIONAL TEST CHECKING MACHINES
Samuel R. Harding, Aberdeen, S. Dak.
Application March 19, 1934, Serial No. 716,300
4 Claims. (Cl. 35—48)



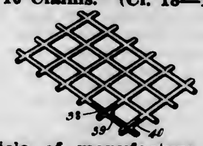
1. In a device of the class described, a plurality of selectors, means for operating the selectors, means for individually intercepting the selectors when operated, said device having means for holding a sheet having designated areas in the same general relation to each other as the selectors are to each other and in their respective paths of movement, said sheet in certain of its areas being pierced, whereby when the selectors are operated certain thereof will pass through pierced areas of the sheet and certain others thereof may be stopped by the sheet or the other intercepting means, a counter mechanically held for movement in a given course, and a plurality of counter operating members arranged to be positioned by actuated selectors, the movable mechanism of the counter having a part arranged to be operated by said members, when positioned by actuated selectors, during movement of the counter in its course.

2,041,759
BROACH
Carl J. Halborg, Detroit, Mich., assignor to Colonial Broach Company, a corporation of Michigan
Application August 4, 1933, Serial No. 683,568
3 Claims. (Cl. 29—95.1)



1. A broach comprising two groups of teeth, a group for trueing an aperture to predetermined dimensions, a second group for cutting a splineway in the wall of the aperture, the said trueing teeth being of progressive diameter and of varying pitch and provided in groups having different angles of relief for the cutting edges, the spline cutting teeth likewise being of progressive height and provided in groups having different angles of relief, the teeth of the finishing portion being of the same height but varying in relief angle to the cutting edges which are less than the relief angles on the roughing teeth of the spline broach portion.

2,041,760
EXTENSIBLE ELASTIC ARTICLE
Marion M. Harrison, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Original application October 20, 1932, Serial No. 638,772. Divided and this application November 21, 1935, Serial No. 50,921
10 Claims. (Cl. 18—1)



3. An article of manufacture comprising a reticulated unwoven sheet of elastic material enclosing a disintegrated reticulated support.

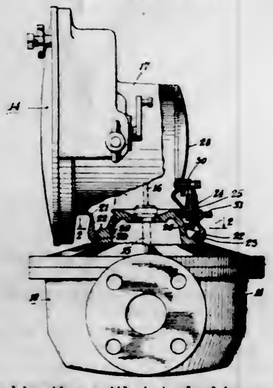
2,041,761
SHINGLE
Norman P. Harshberger, Scarsdale, N. Y., assignor to Bakelite Building Products Co., Inc., New York, N. Y., a corporation of Delaware
Application October 10, 1932, Serial No. 636,973
13 Claims. (Cl. 108—7)



1. Connected overlapping shingles comprising a plurality of individually cut units having unlike faces and secured together during manufacture

by means providing for swinging movement of the individual units relative to one another with said unlike faces in juxtaposed relation and with said means wholly within the edges of the connected overlying unit.

2,041,762
INTERLOCK FOR METER CASINGS
Charles S. Hazard, New York, and Frank S. Prentiss, Flushing, N. Y., assignors to Neptune Meter Company, a corporation of New Jersey
Application June 28, 1934, Serial No. 732,770
5 Claims. (Cl. 73—167)



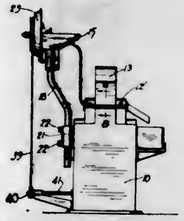
1. In combination with interlocking means for a casing and a housing rotatably mounted thereon, said interlocking means including a plurality of spaced lugs on said casing and a plurality of spaced lugs on said housing adapted to be overlapped by the plurality of spaced lugs on said casing to interlock the housing to the casing in every rotative position of said housing thereon except a single rotative position in which each lug on said housing aligns with and may pass through a corresponding space between adjacent lugs on said casing; a locking pin carried by said housing; and a stop lug on said casing positioned relatively to said plurality of lugs on said casing for engagement by said locking pin to prevent movement of said housing to said single rotative position for aligning the lugs thereon with the related spaces intermediate lugs on said casing while otherwise permitting free rotative adjustment of said housing on said casing.

2,041,763
CLEANSING FLUID FILTRATION
Eugene M. Heckman, Pittsburgh, Pa.
Application February 27, 1934, Serial No. 713,097
6 Claims. (Cl. 210—203)



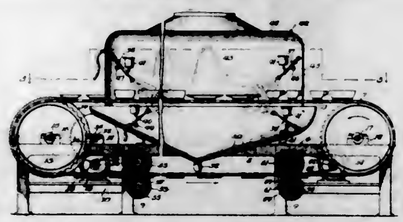
1. The herein described method of filtering liquids containing fine suspended matter which comprises introducing wood flour and at least one powdered hydrated iron compound into a stream of the liquid passing to a liquid penetrable filter bag, the wood flour and the iron compound being relatively so introduced that the substances are selectively deposited in a stratified composite coating on the wall of the filter bag with the wood flour lying between the wall of the filter bag and the layer of iron compound, and forcing the liquid through the composite coating and through the wall of the filter bag.

2,041,764
FEEDING DEVICE FOR GRINDERS
Karl L. Herrmann, South Bend, Ind., assignor to The Bantam Ball Bearing Company, South Bend, Ind., a corporation of Indiana
Application April 30, 1934, Serial No. 723,054
9 Claims. (Cl. 51—215)



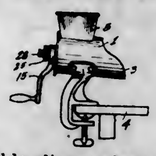
1. In combination with a grinding machine having a pair of opposed grinding wheels and an apertured roller blank supporting plate therebetween, means for feeding roller blanks between said wheels comprising, a hopper elevated above said machine, an inclined chute having a V-shaped blank receiving portion and a V-shaped groove of less cross sectional area in the top face thereof, a wheel rotatable transversely to the longitudinal axis of said chute having fins on the inner face thereof for picking the blanks from said hopper and delivering them in end-to-end relation onto the V-shaped receiving portion of said chute, and means between said chute and grinding wheels for delivering said blanks by gravity in a continuous stream between said wheels.

2,041,765
GLAZING APPARATUS
Delta B. Howell, Murphysboro, Ill.
Application April 30, 1932, Serial No. 608,371
12 Claims. (Cl. 91—45)
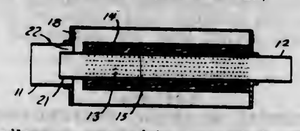


1. In an apparatus for glazing articles having foot-forming beads, the combination of a supporting structure, conveyor-means supported on said structure, setters for supporting the articles carried by the conveyor-means in series form and embodying channels for receiving and seating the foot-forming beads without applying pressure thereto, said setters serving to protect said bead and being shaped so that the articles may be lifted therefrom after glazing, means for spraying glazing material from different directions onto all the surface portions of the articles while said articles are supported on the setters, and means for driving the conveyor-means so as to cause the setters to bring the articles successively into the range of the spray-means for glaze-applying purposes.

2,041,766
VEGETABLE SLICING MACHINE
Haden R. Irick, Spokane, Wash., assignor of one-half to Leroy L. Ritter, Hooper, Wash.
Application November 26, 1934, Serial No. 754,814
4 Claims. (Cl. 146—91)



1. In a vegetable slicer, a barrel having a head at one end and having its other end portion formed with an outlet, an inlet being formed between the outlet and the headed end of the barrel, a cylindrical slicer rotatably mounted in said barrel and having a head at one end and an open discharge end facing the outlet of the barrel, said slicer having its annular wall formed with an opening registering with the inlet as the slicer rotates and being sharpened along one side of the opening to form a cutting edge, a gauge plate in said slicer extending circumferentially thereof for the full length of the opening and pivoted at a longitudinal side edge of the opening and extending across the opening for regulating the thickness of slices cut, actuating means for rotating said slicer journaled through the head of said barrel and having clutch means at its inner end engaging the head of the slicer, a sleeve extending through the actuating means of the slicer, means carried by the head of the slicer for releasably holding the sleeve in a set position and releasably holding the slicer in engagement with the clutch means, and means for connecting said sleeve with the gauge plate and causing movement of the gauge plate to an adjusted position when the sleeve is turned about its axis.

2,041,767
SILENCER
William A. Jack, 3d, Madison, Wis., assignor, by mesne assignments, to C. F. Burgess Laboratories, Inc., Madison, Wis., a corporation of Delaware
Application June 20, 1931, Serial No. 545,776
2 Claims. (Cl. 181—41)



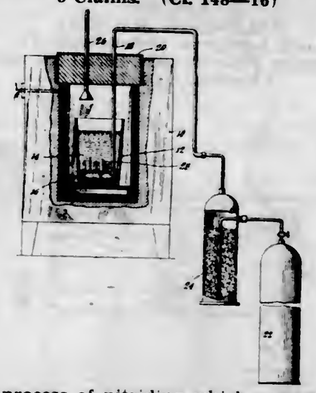
1. A silencer comprising a substantially imperforate casing having two openings therein, a duct for the sound to be silenced having a wall and a surrounding layer of sound-absorbing material, a space between said sound absorbing material and said casing, said wall extending from one of said openings into the second of said openings, the cross sectional area of said duct excluding said absorbing material being sufficiently smaller than the area of at least a portion of said second opening to provide a passage between said duct and the wall of said second opening, said passage providing communication between said space and said second opening.

2,041,768
CLOSURE FOR BOTTLES AND JARS
Alfred Kohrer, Toledo, Ohio, assignor to The Closure Service Company, Toledo, Ohio, a corporation of Ohio
Application November 18, 1931, Serial No. 575,739
Renewed October 12, 1935
7 Claims. (Cl. 215—43)



1. A closure comprising an inner cap having a circular attaching flange provided with screw threads, said screw threads terminating at a point short of the lower margin of the flange, said flange having that portion below the threads extended outwardly, downwardly, and thence inwardly presenting an inwardly facing edge of metal and forming an inwardly facing continuous channel, and an outer cap telescoped over the inner cap and including a depending flange, said flange having its lower marginal portion folded inwardly and thence upwardly over and in contact with said edge and into the channel to thereby secure the two caps together and form an internal continuous bead.

2,041,769
NITRIDING PROCESS
John P. Larkin, Detroit, Mich.
Application January 13, 1932, Serial No. 586,354
5 Claims. (Cl. 148—16)

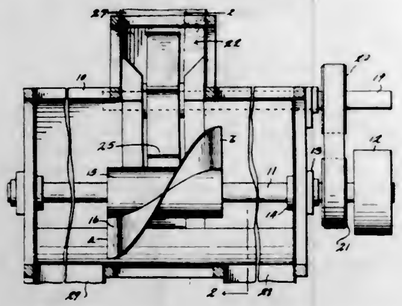


1. A process of nitriding which comprises immersing a ferrous article having a surface composition adapting it for surface hardening by nitriding in a fused salt bath incapable of liberating carbon at the temperature employed and, while maintaining said bath at a temperature of from about 850° to 1150° F., introducing into said bath a substance selected from the group of nitrogenous substances that exist in gaseous phase at temperatures within the range 850–1150° F. and are decomposable at a temperature within said range with liberation of nascent nitrogen, and continuing said treatment until a nitride case of desired depth has been formed, and finally cooling said article from said nitriding temperature.

2,041,770
STREAM DIVIDER
Delbert Libbee, Wilson, Kans.
Application April 14, 1934, Serial No. 720,642
5 Claims. (Cl. 83—44)

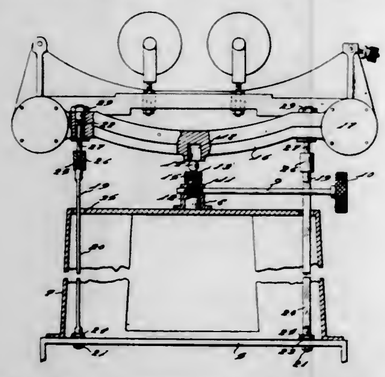
1. In combination with a single inlet opening and two spaced outlet openings, a stream divider

disposed between the inlet and the outlet openings and including a shaft rotating at a constant speed, and blades extending at all points radial to the shaft and starting at the same point on the shaft and extending spirally around the shaft in opposite directions through a turn of 180° and



terminating in conjunction at the same point on the shaft, the inlet opening discharging on to said blades, the outlet openings being disposed at the ends of the blades, and the blades as the divider rotates discharging alternately into one or the other of said discharge openings.

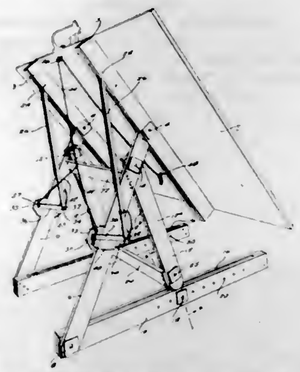
2,041,771
BALANCING MACHINE
Jacob Lundgren, Philadelphia, Pa.
Application June 30, 1932, Serial No. 620,258
7 Claims. (Cl. 73—51)



1. In a balancing machine, a vibratory support for a revoluble test body means to provide a fixed pivot of vibration for said vibratory support, and a resilient mounting for said vibratory support capable of being rotatably adjusted to vary the period of vibration of said vibratory support without affecting the pivot of vibration.

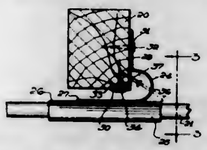
7. In a balancing machine, the combination of a base, vertical guides on said base, slidable pivot carriers mounted in said guides, pivot members on the upper ends of said carriers, a work-supporting frame, members on said frame formed with socketed portions adapted to be entered by said pivot members, means for rotatably mounting a body to be tested on said frame, and means for actuating said carriers whereby to move said pivot members into and out of engagement with said socketed portions.

2,041,772
ADJUSTABLE TABLE
Wilton G. Lundquist, Glen Rock, N. J.
Application October 20, 1933, Serial No. 694,358
7 Claims. (Cl. 311—36)



1. A table comprising supporting legs, a top pivotally attached to said legs and means for securing the top in adjusted position, said means comprising friction brake elements which are slidable along the legs, means for normally frictionally locking said brake elements to the legs, links attached to the top and to the friction brake elements, and manually operable means for releasing said brake elements.

2,041,773
RESILIENT BUILDING WALL CLIP CONSTRUCTION
Fred A. Manske, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois
Application December 19, 1932, Serial No. 647,902
8 Claims. (Cl. 72—118)



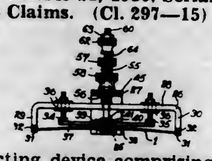
6. In a building clip, a flat spring loop having an attaching member at one end, nail holes extending diagonally through said spring loop and said attaching member, and means on the other end of said spring loop for supporting a wall panel.

2,041,774
JOURNAL BEARING PROTECTOR
John E. McMahon, St. Paul, Minn.
Application April 22, 1935, Serial No. 17,688
9 Claims. (Cl. 308—53)



1. The combination with a journal brass having an exposed bearing surface, of a member fitting over the bearing surface thereof and concealing and protecting the same, said member having portions embracing the sides of the brass to secure the member thereto.

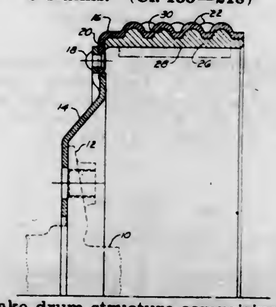
2,041,775
SNAP ACTING DEVICE
August J. Mottlau, Pittsburgh, Pa., assignor to General Plate Company, Attleboro, Mass., a corporation of Massachusetts
Application November 21, 1930, Serial No. 497,239
14 Claims. (Cl. 297—15)



2. A snap-acting device comprising a resilient plate, means constraining said plate into a bowed configuration, said constraining means being so arranged that the said plate has two positions of relative stability, in one of which it is bowed about one axis, and in the other of which it is bowed in an opposite direction about an axis at an angle to the first axis, said plate passing from one of said positions to the other with a snap action.

10. A snap-acting thermostat comprising a composite metal plate, means forcing said plate into a conformation analogous to a trussed beam said means being so constituted as to cause said plate, in response to temperature variations, to snap from said first conformation into a second trussed beam conformation, the second conformation being in the opposite direction and along an axis substantially at right angles to the axis of the first conformation.

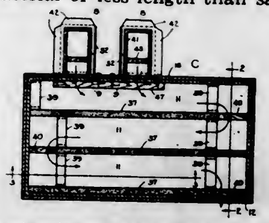
2,041,776
BRAKE DRUM
Emil A. Nelson, Lansing, Mich., assignor to Motor Wheel Corporation, a corporation of Michigan
Application May 10, 1934, Serial No. 724,871
6 Claims. (Cl. 188—218)



1. A brake drum structure comprising, in combination, an outer sheet metal ring of uniform gauge and a cast metal liner therefor, projections on the outer face of said ring arranged in relatively closely associated relation about the periphery thereof, said projections being arranged in plural relation both axially and circumferentially of said ring, the interior surface of said ring being provided with a depression corresponding to each of said projections, said cast metal liner covering the inner face of said ring and filling said depressions.
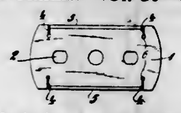
2,041,777
SOUND REPRODUCING SYSTEM
Benjamin Olney, Brighton, and Gentry Veal, Rochester, N. Y., assignors to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a corporation of New York
Application July 10, 1935, Serial No. 30,660
9 Claims. (Cl. 181—31)

1. A sound damping structure for use in a sound reproducing system, said structure comprising a casing having openings therein, spaced partitions within said casing made of sound absorbing material of less length than said casing



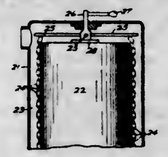
defining a circuitous passageway leading from one of said openings to another, and spacing means retaining said partitions in the desired position.

2,041,778
RAZOR BLADE
Peter Nicholas Peters, Brooklyn, N. Y.
Application May 2, 1930, Serial No. 449,143
19 Claims. (Cl. 30—93)



1. A razor blade having a cutting edge along a portion of its periphery and slits transverse to said cutting edge ending at said periphery, said slits being spaced from the corners of said blade.

2,041,779
FLUE CLEANING DEVICE
Howard I. Platt, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Original application June 25, 1931, Serial No. 546,836. Divided and this application January 28, 1933, Serial No. 654,061
4 Claims. (Cl. 122—379)

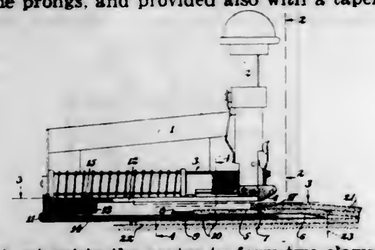


1. A heater comprising a cylindrical inner chamber, a cylindrical outer casing spaced from the inner chamber whereby to form an annular flue therebetween, a rotatable spider mounted within the casing above the inner chamber, means operable exteriorly of the casing for rotating said spider, and a plurality of flexible chains loosely suspended from the spider within the flue in contact with the chamber throughout substantially their entire length.

2,041,780
FASTENING DEVICE
William L. Rowe, New Rochelle, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application September 5, 1931, Serial No. 561,499
3 Claims. (Cl. 1—3)

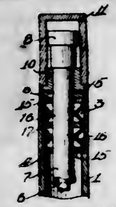
1. In a stapling device of the class described, a clinching anvil provided with a compound forming groove, adapted to bend the two prongs of the driven staple at different angles with respect to

the plane of the staple and to avoid overlapping of the prongs, and provided also with a tapering



point cut out in the center to form two claws defining between them a groove which becomes narrower towards its base.

2,041,781
FOUNTAIN PEN PACKING UNIT
Solomon M. Sager, Glencoe, Ill.
Application November 15, 1934, Serial No. 753,088
5 Claims. (Cl. 286—35)



1. A packing unit comprising a chambered rubber body apertured to permit a member to be slidably projected therethrough, V-cross-sectioned rings projecting inwardly from the sides of the body into sealing contact with said member, a washer of yieldable absorbent material engaged in the body between said rings and in contact with said member, and adjustable means to longitudinally compress said rubber body.

2,041,782
PREPARATION OF SECONDARY AMINES
Waldo L. Semon, Silver Lake Village, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application June 23, 1933, Serial No. 677,274
16 Claims. (Cl. 260—128)

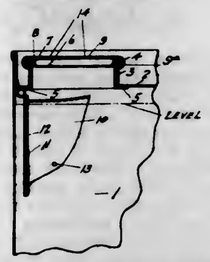
1. The method which comprises reducing an azo compound to form a mixture of primary aromatic amines, and heating the mixture of amines to cause them to condense to a secondary aromatic amine.

12. The method which comprises diazotizing aniline, coupling with phenol, extracting the p-hydroxy azo benzene with aniline, reducing the solution of the p-hydroxy azo benzene in aniline to form a mixture of p-aminophenol with an excess of aniline, and heating the mixture for a limited time to cause its condensation to p-hydroxy diphenylamine.

2,041,783
METHOD FOR PRODUCING A SYNTHETIC RESIN
George W. Seymour, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application April 16, 1932, Serial No. 605,788
2 Claims. (Cl. 260—2)

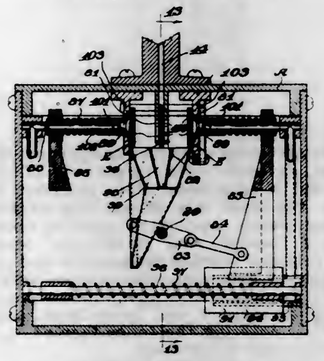
1. Method of preparing a synthetic resin comprising heating in the presence of a dilute aqueous solution of an alkali a product formed by the condensation of an aromatic aldehyde with acetone until resin formation occurs.

2,041,784
POURING SPOUT FOR CONTAINERS
Roscoe W. Shore, Jackson Heights, N. Y., assignor to Alfred J. Chamberlain, Milwaukee, Wis.
Application November 3, 1932, Serial No. 641,024
3 Claims. (Cl. 221—11)



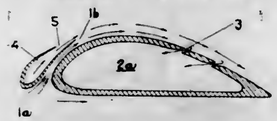
1. A container of the character described, comprising a body having a top wall having an opening therein, a nozzle carried by the top wall about said opening and projecting outwardly therefrom, said nozzle having an outer member and an interfitting liner shell, said liner having its outer end fitting over the outer end of the outer member of the nozzle and having a flange at its inner end fitting in the container about the opening in the top wall, and a pouring spout hingedly connected to said flange, said spout being swingable from a position within the container to a position extending through the opening and the nozzle.

2,041,785
COIN SELECTOR AND SLUG REJECTER
Harold A. Smith, St. Paul, Minn., assignor of one-half to Elliott Rosen, St. Paul, Minn.
Application May 8, 1933, Serial No. 669,899
17 Claims. (Cl. 194—97)



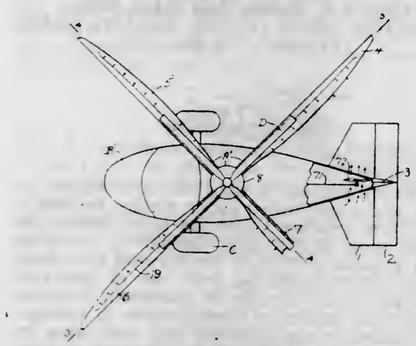
4. A coin selector including, means for receiving a predetermined coin and adapted to hold the same in selecting position, die means having a configuration conforming to the surface of the coin for selecting the proper predetermined coin to retain the same in said selector, and means in said selector adapted to reject a slug, whether it be smooth-faced, whether it has imitation faces of the proper predetermined coin, or whether it has an opening in the same.

2,041,786
BOUNDARY LAYER CONTROL FOR WINGS
Edward A. Stalker, Ann Arbor, Mich.
Application March 10, 1932, Serial No. 597,993
Renewed October 12, 1935
7 Claims. (Cl. 244—12)



3. In a wing, associated with a relative flow of fluid; a means to interpose, between a wing and its boundary layer, a stream of fluid of energy content substantially as large as that of the relative flow, comprising a wing body possessing in its upper surface a spanwise slot extending at least along a major portion of the semi-span, a divided upper surface to the rear of the said slot to form a second slot and an induction opening leading into the wing, a conduit to connect the induction opening and the forward slot, and a fluid conveying conduit to provide a rearward flow through the exit of the second slot.

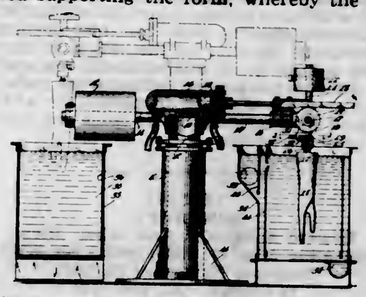
2,041,787
AIRCRAFT
Edward A. Stalker, Ann Arbor, Mich.
Application October 25, 1933, Serial No. 695,149
30 Claims. (Cl. 244—19)



1. In an aircraft sustained by a wing system comprising a plurality of wings rotatable about an upright axis, and attached to the aircraft with sufficient vertical restraint to create substantial gyroscopic moments on the aircraft when it is subjected to a disturbing moment, means providing for unsymmetrical alteration of the lifts of the wings, and an automatic mechanism to alter the lifts to maintain equilibrium against gyroscopic moments said mechanism including an element rotatable by the relative wind.

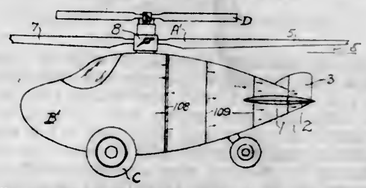
2,041,788
MANUFACTURE OF DIPPED GOODS
Vernon J. Sprunger, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application April 18, 1931, Serial No. 531,248
5 Claims. (Cl. 18—24)

1. A machine for manufacturing dipped rubber goods which comprises a form supported on a horizontal axis, means for turning the form about the horizontal axis, and a single vertical hydraulic cylinder about which the form may be rotated supporting the form, whereby the form



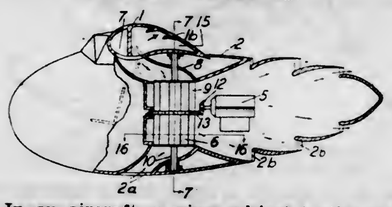
may be lowered and raised into and from a plurality of coating baths in succession.

2,041,789
AIRCRAFT
Edward A. Stalker, Ann Arbor, Mich.
Application November 27, 1933, Serial No. 699,885
24 Claims. (Cl. 244—19)



1. In an aircraft, a wing system comprising a plurality of lifting wings rotatable about an axis and subject to disturbing moments, a plurality of control blades rotatable at a greater rate than the said wings about an axis, controllable means to alter the lift of the wings, and means operably interconnecting the controllable means to alter the lift of the wings and the control blades so that the lift of a wing when in a given position is automatically governed by different control blades when in a predetermined position to oppose the said disturbing moment.

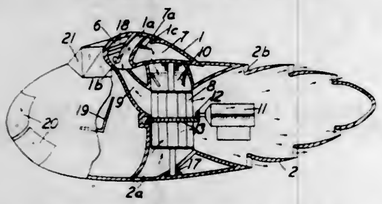
2,041,790
AIRCRAFT
Edward A. Stalker, Ann Arbor, Mich.
Application May 17, 1934, Serial No. 726,111
Renewed November 29, 1935
29 Claims. (Cl. 244—12)



1. In an aircraft, a wing subject to the rearward rush of the relative wind due to the aircraft's forward motion, said wing having a divided surface to form an inlet opening extending along a major portion of the semi-span and a divided side surface to form a rearward directed discharge opening in the forward two-thirds of the wing for use in energizing the boundary layer, a principal means of propulsion comprising a

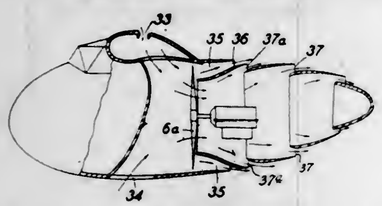
means of blowing directing a major portion of its blown fluid into the aircraft interior and a prime mover to actuate it, and means providing for the transference of fluid from the inlet opening to the discharge opening by the means of blowing so that a fluid jet is dischargeable rearward to serve the dual purpose of reducing the resistance and of creating a thrust to propel the aircraft, said fluid jet providing by its mass reaction the chief propulsive force.

2,041,791
AIRCRAFT
Edward A. Stalker, Ann Arbor, Mich.
Application May 17, 1934, Serial No. 726,112
Renewed November 29, 1935
18 Claims. (Cl. 244—12)



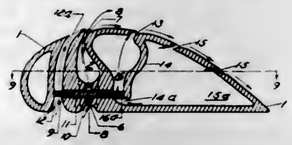
1. In an aircraft associated with a relative wind, a wing having a through slot directed upward and rearward from the under side to the upper side, said slot giving rise to high lift at high angles of attack and high drag at low angles, said slot having walls virtually closed to the influx or efflux of the relative wind and being sufficiently unobstructed to a flow therein to preserve the major portion of the energy per unit of mass of the relative wind in flowing through the slot, said wing having a spanwise compartment within and a divided lower surface to form a surface slot in communication with the spanwise compartment within the wing, and a means of blowing in communication with said compartment so that a flow of fluid is directed through the surface slot to reduce the resistance arising from the through slot.

2,041,792
AIRCRAFT
Edward A. Stalker, Ann Arbor, Mich.
Application May 17, 1934, Serial No. 726,113
Renewed November 29, 1935
25 Claims. (Cl. 244—12)



1. In an aircraft, a rotary blower emitting fluid streams of different total pressure, a perforated exterior wall of the aircraft to form a plurality of openings in close longitudinal proximity, means of communication between the said blower and the plurality of openings to distribute the fluid of different pressures to different openings of said plurality of openings so that the resultant flow about the aircraft aft of the said openings is stratified as to velocity.

2,041,793
SLOTTED WING
Edward A. Stalker, Ann Arbor, Mich.
Application September 1, 1934, Serial No. 742,401
Renewed March 12, 1936
15 Claims. (Cl. 244—12)



1. In an aircraft, a wing associated with a relative flow of air and having a through slot for the passage of air at high and low angles of attack between the under surface and the upper surface, said slot extending along the major portion of the semi-span and providing a desirable high lifting capacity of the wing at large angles of attack but an undesirable drag at the said low angles of attack, and means to reduce the undesirable drag comprising a perforated upper surface of the wing to form a spanwise slot leading into the wing interior, and a means of pumping in communication with said slot to cause a flow therethrough to energize the bundary layer.

2,041,794
AIRCRAFT
Edward A. Stalker, Ann Arbor, Mich.
Application March 11, 1935, Serial No. 10,469
11 Claims. (Cl. 244—12)

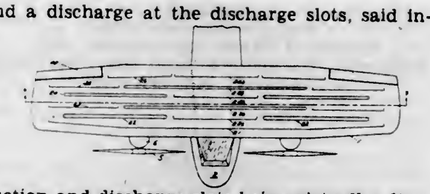


6. In an aircraft, a wing having a hollow interior and a perforated upper surface to form at least three rearward directed slots leading out of the wing interior and distributed chordwise along a major portion of the forward two-thirds of the chord length, at least one of said slots being aft of the locality of maximum thickness of the wing section, a blower means in substantially closed communication with said wing interior to cause an outward jet discharge through the said slots toward the trailing edge of the wing, said slots having overlapping sides to direct the flow substantially along the wing surface and being spaced chordwise at a distance less than one foot so that a jet is interposed between the wing surface and the preceding jet before the preceding jet develops significant turbulence, thus providing that the frictional resistance to the fluid flow is diminished, said slots having on the average an individual width less than one-half of one per cent of the chord length.

2,041,795
AIRCRAFT
Edward A. Stalker, Ann Arbor, Mich.
Application July 2, 1935, Serial No. 29,475
Renewed April 3, 1936
13 Claims. (Cl. 244—12)

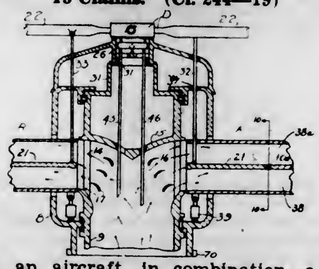
1. In an aircraft in combination a hollow body having a plurality of induction and discharge slots in communication with the body interior, and a means of blowing in communication with said slots to cause an inflow at the induction slots

and a discharge at the discharge slots, said in-



duction and discharge slots being virtually alternated along the body in the direction of flight.

2,041,796
AIRCRAFT
Edward A. Stalker, Ann Arbor, Mich.
Application July 2, 1935, Serial No. 29,476
15 Claims. (Cl. 244—19)



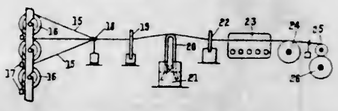
9. In an aircraft, in combination, a hollow wing rotatable about an axis and having upper and lower surface slots in communication with the wing interior, means to induce an outward flow through said slots, and automatic means to control the slot flows differentially.

2,041,797
TIME SWITCH
Carl E. Sundberg, Quincy, Mass., assignor to Albert & J. M. Anderson Manufacturing Company, Boston, Mass., a corporation of Massachusetts
Application December 20, 1930, Serial No. 503,797
11 Claims. (Cl. 185—40)



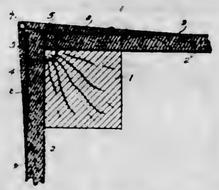
2. In a time switch, in combination, a spring motor, a switch-operating member connected therewith to be operated thereby, and a stop mechanism for controlling the operation of the switch-operating member comprising a removable pinion driven by the spring motor, a removable gear meshing therewith and provided with a cam member, and a movable stop member adapted to be moved by the cam member when the gear has revolved a predetermined amount to move the stop member into operative position, said gear being mutilated to enable the spring motor to be wound without effecting movement of the gear after the same has been returned to its initial operating position.

2,041,798
PRODUCTION OF ARTIFICIAL MATERIALS
William Ivan Taylor, Spondon, near Derby, England, assignor to Celanese Corporation, a corporation of Delaware
Application December 12, 1931, Serial No. 580,636
In Great Britain January 15, 1931
3 Claims. (Cl. 18—54)



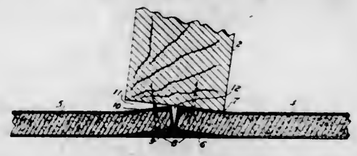
1. Process for the production of artificial horsehair, ribbons and the like, comprising passing an assembly of artificial filaments, the material of which is in a set but superficially softened condition, through a die, having an opening of different cross-sectional shape than that of the assembly, which forms the assembly into a product whose cross-sectional shape corresponds to that of the die opening and whose cross-sectional area is substantially the same as that of the assembly.

2,041,799
EXPOSED CORNER IN WALLBOARD CONSTRUCTION
Curry Ora Walper, Hamilton, Ontario, Canada
Application August 27, 1934, Serial No. 741,690
2 Claims. (Cl. 72—121)



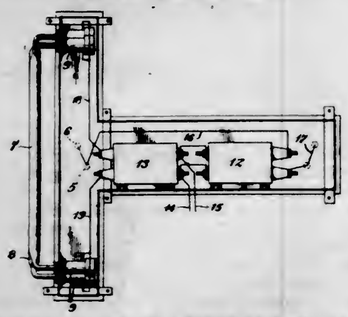
1. In a wall construction, a corner frame member, wallboards meeting on said frame member and secured thereto, an angular member having flanges secured to the outer surfaces of said boards and integrally united by rounded bead forming an impact corner member, and a joint filler covering said flanges, engaging the sides of said bead and merging into the surfaces of said boards.

2,041,800
WALLBOARD JOINT CONSTRUCTION
Curry Ora Walper, Hamilton, Ontario, Canada
Application August 27, 1934, Serial No. 741,691
1 Claim. (Cl. 72—16)



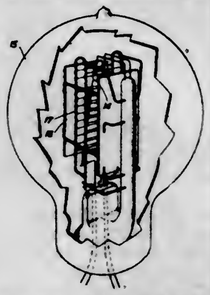
In construction of wallboards, each fixed at opposite sides to frame members, wherein the face of a frame member to which boards are fixed is not in a plane parallel with the plane of the main face of the boards, wallboards preformed along their edges to be applied to such frame member to curve toward such frame member out of the plane of the main faces of the boards.

2,041,801
BEACON
Channing Whitman, Buffalo, N. Y., assignor to Flexlume Corporation, Tonawanda, N. Y., a corporation of New York
Application September 14, 1929, Serial No. 392,668
2 Claims. (Cl. 177—329)



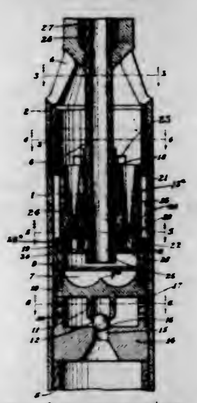
1. A beacon or similar device including a support and a plurality of exposed gaseous discharge tubes which are connected in parallel and which are located in relatively close proximity with respect to one another, each of the said tubes being adapted to provide a light of substantially the same intensity, the said tubes being illuminated one at a time as the breaking down of one tube automatically effects the illumination of a companion tube of greater resistance, whereby to provide a continuous light of substantially uniform intensity, the resistances of said tubes increasing progressively in such degree that their order of illumination is certain and predetermined, the arrangement of said tubes upon said support being predetermined and in accordance with their order of illumination, whereby the tube which is illuminated at any particular time serves to indicate whether there has been a failure of any of the remaining tubes and if there has been such a failure what particular tubes are involved.

2,041,802
ELECTRON EMITTER
James R. Wilson, Mountain Lakes, N. J., and John T. Acker, Queens Village, and Charles D. Hartman, Forest Hills, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application June 30, 1933, Serial No. 678,426
11 Claims. (Cl. 250—27.5)



1. A coating composition for the production of thermionically active emitters comprising carbonates of barium and strontium, nickelous carbonate, and a binder material.

2,041,803
WELL PUMPING UNIT
Charles J. Wolff, San Antonio, Tex.
Application December 6, 1933, Serial No. 701,203
11 Claims. (Cl. 103—260)



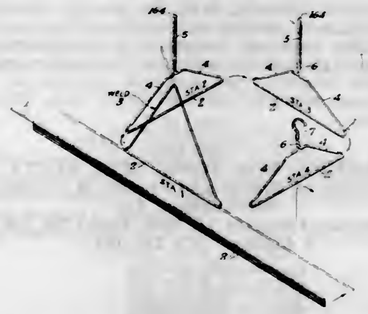
1. A well pumping apparatus, comprising a tubing string, an induction chamber into which an actuating liquid from said string discharges, a casing surrounding said tubing and forming an eduction conduit, tubes placing said induction chamber in communication with said eduction conduit, each of said tubes having a Venturi shaped bore and lateral ports for leading well production into the throat thereof, means for forcing said actuating liquid downwardly through said tubing string, means for discharging combined actuating liquid and well production from the upper end portion of said eduction conduit, and valve controlled means for feeding well production from the well to said lateral ports.

2,041,804
AUTOMOBILE SIDE WING
Emmett E. Woodward, San Mateo, Calif., assignor to James P. Callahan, San Francisco, Calif.
Application April 16, 1935, Serial No. 16,597
9 Claims. (Cl. 296—84)



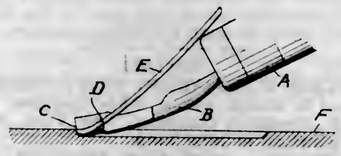
1. In combination, an automobile door provided with a window opening therein fitted with a sliding glass, the forward and upper and lower edges of the opening including the upper and lower forward corners thereof being defined by a single continuous strip of sheet metal forming a frame, said frame projecting outwardly of the plane of the window opening along said forward upper and lower edges and the outer edge of the outwardly projecting portions extending rearwardly and divergently outwardly of the forward edge of the window opening, a generally vertical glass shield within said frame with its upper and lower edges extending substantially parallel to and adjacent the outer edge of the outwardly projecting portion thereof and the forward edge of the shield being positioned adjacent the outer side edge of the forward portion of the frame, means pivotally securing said shield to said frame, for pivoting on a generally vertical axis for movement relative thereto and the outer edge of the portion of the frame adjacent the upper edge of the glass being turned upwardly to coact with the outer side of the door for forming a channel to drain rain forwardly and downwardly over the portion of the frame extending over the forward edge of the shield.

2,041,805
MANUFACTURE OF COAT HANGERS
William Backer, Schenectady, N. Y.
Application November 23, 1935, Serial No. 51,200
10 Claims. (Cl. 140—71)



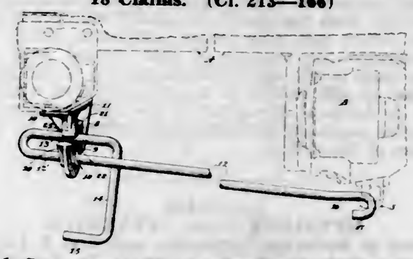
1. The herein disclosed method of forming coat hangers, which comprises uniting the ends of a length of wire in a continuous endless loop, doubling adjoining side portions of said continuous loop together into substantially parallel relation connected by a rounded bend, twisting the base of said parallel portions and then bending the remainder of said connected parallel portions into a supporting hook composed of the parallel strands of wire connected by the rounded bend at the tip of the hook.

2,041,806
CUTTER
George E. Bartol, Jr., Wynnewood, Pa., assignor to C. Howard Hunt Pen Company, Camden, N. J., a corporation of New Jersey
Application September 19, 1935, Serial No. 41,214
5 Claims. (Cl. 30—9)



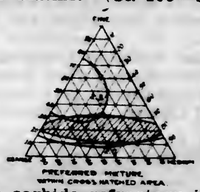
1. A cutting tool comprising a body portion of channel section, a cutting edge formed at one end of the body portion and means carried by the body portion behind the cutting edge and adapted to divert a chip, raised in the advance of the tool, out of its normal direction of extension with respect to the tool.

2,041,807
UNCOUPLING MECHANISM
Arthur J. Baseley, Shaker Heights, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application May 25, 1934, Serial No. 727,418
18 Claims. (Cl. 213—166)



1. In an uncoupling mechanism for railway car couplers, an uncoupling rod comprising an elongated loop portion at one end thereof, a bracket for supporting said rod, and having means providing a bearing for receiving one of the elements of said loop when said rod is in normal unoperated position, said bracket preventing uncoupling operation of said rod so long as said element is engaged with said bearing, and a bearing on said bracket spaced from the first mentioned bearing and adapted to receive the other element of said loop when the first mentioned element is disengaged from said first mentioned bearing.

2,041,808
SILICON CARBIDE REFRACTORY
Raymond C. Benner, George J. Easter, and Almer J. Thompson, Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Pennsylvania
Application December 8, 1932. Serial No. 646,276
5 Claims. (Cl. 106—9)



1. A silicon carbide refractory in which from 70 to 90% of the silicon carbide is coarser than 80 mesh and substantially all the rest of the silicon carbide is finer than 80 mesh but coarser than 200 mesh, said refractory having a density between 2.0 and 2.3 and comprising from 2 to 20% of an added ceramic binder.

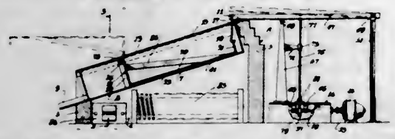
2,041,809
LOCKING DEVICE
Benjamin S. Bernhard, Boston, Mass.
Application September 27, 1934, Serial No. 745,742
1 Claim. (Cl. 287—58)



In combination with a pair of slidably connected parts, one of which has a slot elongated longitudinally thereof, a clamping device comprising a threaded slot mounted in the other of said parts and extending through the slot in the first mentioned part, and a head on said stud of

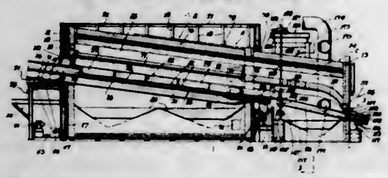
sufficient width to span said slot whereby its undersurface may clamp the surface of said slotted part at the sides of said slot, the undersurface of the head having associated therewith a projection substantially wedge-shaped in cross section and circularly continuous in the direction of movement thereof when rotated, the edge of said projection being circular and substantially coaxial with the stud and spaced radially from the latter, said edge being sufficiently sharp to penetrate the surface of said slotted part at the sides of the slot by displacement of the material of said surface in a radial direction whereby to form at the sides of the slot curvilinear scores angularly disposed with reference to the sides of the slot.

2,041,810
METALLURGICAL APPARATUS
Jesse O. Betterton, Metuchen, and Karl A. Lindner, Rahway, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application December 27, 1934, Serial No. 759,358
6 Claims. (Cl. 266—33)
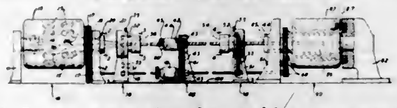


1. A metallurgical furnace comprising the combination with a heating chamber, of a material-receiving receptacle therein, mechanism for shaking the receptacle, and a pivotal mounting enabling the receptacle to be turned outwardly from the furnace on the mounting and inverted into dumping position.

2,041,811
METALLURGICAL APPARATUS
Jesse O. Betterton, Metuchen, and Karl A. Lindner, Rahway, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application December 27, 1934, Serial No. 759,359
11 Claims. (Cl. 266—33)



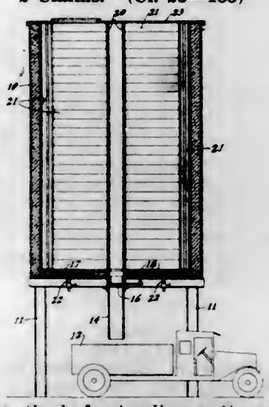
1. Metallurgical apparatus comprising the combination with a furnace, of a hearth for the furnace, a lower arch above the hearth and extending thereover for substantially the entire length thereof, an upper arch above the aforesaid arch and spaced therefrom, burners for the furnace intermediate the arches, and a port connecting the space intermediate the arches with that between the hearth and lower arch for leading hot combustion gases from the space intermediate the arches to the hearth, the lower arch sloping downwardly for maintaining a dense blanket of combustion gases over the hearth for heating material on the hearth and for excluding air therefrom, the material on the hearth being heated both by radiation and by the hot combustion gases.

2,041,812
APPARATUS FOR HANDLING STRANDS
Yves A. Bouget, West Orange, and Daniel V. Waters, South Orange, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application November 10, 1934, Serial No. 752,428
7 Claims. (Cl. 117—35)



1. In an apparatus for making a compound strand, a frame rotatable in one direction, a plurality of strand supplies mounted in the frame and revoluble therewith, means to guide and associate the strands from the supplies in accurately predetermined relative cross sectional position, a second frame rotatable in the opposite direction, a take-up means to receive and propel strands from the plurality of supplies and rotatable with the second frame to twist the strands together, and means to restrict the twisting effect of the oppositely rotating frames to a predetermined portion of the interval between them and to maintain the relative cross sectional position of the associated strands unaltered while being twisted together.

2,041,813
METHOD FOR AGING LIME PUTTY
William H. Brooks and Francis M. Taylor, Birmingham, Ala.
Application February 11, 1933, Serial No. 656,352
2 Claims. (Cl. 23—188)

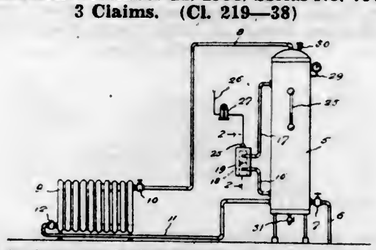


1. The method of aging lime putty, which comprises charging a water tight container with a batch of lime putty to be aged, removing the excess water by filtration under positive control, and introducing water additions to the batch at varying levels through a filtering medium.

2,041,814
PROCESS FOR MAKING VINYL CHLORIDE
Samuel L. Brous, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
No Drawing. Application August 28, 1935, Serial No. 38,262
4 Claims. (Cl. 260—165)

3. The method of making vinyl chloride which comprises heating ethylene dichloride at atmospheric pressure in the presence of methanol and adding aqueous caustic soda solution progressively to the mixture.

2,041,815
HEATING SYSTEM
Arlie M. Brown, Knoxville, Tenn.
Application December 11, 1934, Serial No. 757,007
3 Claims. (Cl. 219—38)



1. A steam or hot water generator for heating systems, comprising a water back in the form of a flat hollow metallic shell having means at one end to facilitate circulatory connections between the same and a storage tank, and an electric heater for said water back including a hollow body of insulating material provided with an internal resistance element along at least one side and snugly fitted over and encasing said water back.

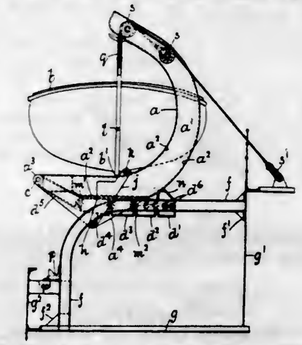
2,041,816
LIGHT SENSITIVE CELL
Arthur Carpenter, New York, and Ernest Ross, Richmond Hill, N. Y., assignors to United Research Corporation, Long Island City, N. Y., a corporation of Delaware
Application October 9, 1934, Serial No. 747,610
3 Claims. (Cl. 201—63)



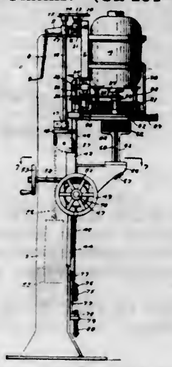
1. A light sensitive cell comprising a transparent plate, electrodes on said plate, light sensitive material bridging said electrodes, a base of insulating material having a recess adapted to receive said transparent plate, a pair of contact terminals on said base, each of said terminals comprising a metallic shell closely fitting an end of said base and overlying said recess, a plurality of apertures in said base, and a conductor in each of said apertures, each of said conductors being integrally united at one end to one of said electrodes, and at the other end to one of said terminals.

2,041,817
SHIP'S DAVIT
George William Carr, North Shields, England
Application August 21, 1935, Serial No. 37,208
In Great Britain September 1, 1934
7 Claims. (Cl. 9—22)

1. A ship's davit comprising a boat-supporting arm, the lower portion whereof, when said arm is inboard, extends in the outboard direction beneath the boat, a series of members positioned beneath said lower portion and hinged together in succession end to end, pivot means connecting the outboard member of said series to the outboard end of said lower portion, rigid connection means between the inboard member of said series and the structure of the ship, said hinged members progressively lowering said outboard end as the boat-supporting arm swings outboard, and means on said lower portion for directly transferring the thrust of said arm to the structure of the ship, said means becoming operative when said arm reaches its outboard position.



2,041,818
MACHINE FOR REMOVING TIRE TREADS
George F. Connelly, San Francisco, Calif.
Application February 18, 1935, Serial No. 6,972
10 Claims. (Cl. 164—60)



10. An apparatus to cut the tread from a full circle tire casing, comprising a frame; a carriage adjustably mounted on said frame; a roller on said carriage insertable within the tire casing to support said casing in a hanging position thereon; a roller on said frame; means to move said carriage to elevate the tread surface of the casing into contact with said last mentioned roller and to flatten said casing therebetween; and means to drive said rollers synchronously in opposite directions to move the tire casing circumferentially therebetween, said means driving the carriage roller in all positions of adjustment of said carriage; and a driven circular cutting knife engageable with the outer tread surface of the casing as said casing is fed between the rollers.

2,041,819
LEGGING
Morris Cooper, New York, N. Y.
Application May 15, 1935, Serial No. 22,088
6 Claims. (Cl. 36—2)

1. In combination with a legging or the like, a strap portion adapted to be positioned beneath the wearer's foot and means to allow said strap

portion to vary its position with varying size or

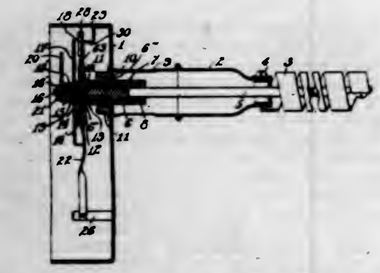


shape of such foot independently of any variation in the size of the legging or the like.

2,041,820
PRODUCTION OF ESTERS
John William Croom Crawford, Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application May 5, 1934, Serial No. 724,207. In Great Britain May 13, 1933
9 Claims. (Cl. 260—106)

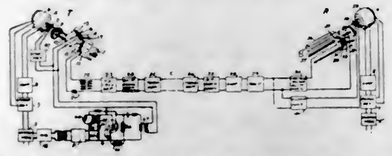
1. An improved process for the production of alphahydroxy fatty acid esters, which comprises the steps of causing chemical reaction to take place between an aliphatic ketonic cyanhydrin and sulfuric acid at a temperature not appreciably above 100° C., esterifying the product with an aliphatic alcohol, adding to the esterified product an anhydrous sulfate selected from the group consisting of an alkali metal sulfate, an alkali metal bisulfate, and an ammonium sulfate, withdrawing the volatile products by distillation, and isolating the alphahydroxy fatty acid esters from the distillate.

2,041,821
STRAIN RELEASE
Lewis L. Cunningham, South Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 10, 1931, Serial No. 529,132
22 Claims. (Cl. 200—138)



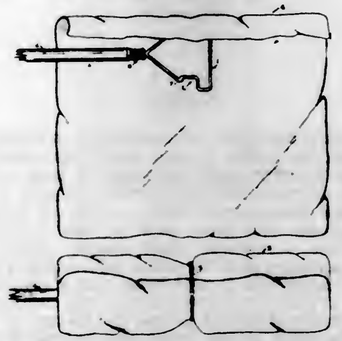
1. In combination, a shaft, an arm loosely mounted on said shaft, means cooperating with said arm to limit movement thereof about the axis of said shaft, and an element rigidly mounted on said shaft, said arm and said element having cooperating cam surfaces normally engaged to provide a driving connection therebetween, and one of said shaft-mounted members being resiliently held normally in such engagement whereby, upon engagement of said arm with said limiting means, such driving connection is released.

2,041,822
ELECTROOPTICAL SYSTEM
Andrew D. Dowd, Montclair, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 6, 1934, Serial No. 714,321
3 Claims. (Cl. 178—5)



1. An electro-optical system comprising means for producing a beam of light, an alternating current source for varying the amount of light of said beam in accordance with a definite law, a field of view to be scanned by said light beam, means for causing relative motion of said scanning beam and said field, means controlled by light received from said field of view to produce a picture current and a picture modulated carrier current which respectively include current components of the same frequencies, means for selecting a picture modulated sideband which also selects at least some of said components of said picture current, and means for producing a definite relation between the frequency of said alternating current and the relative motion of said field and said scanning beam.

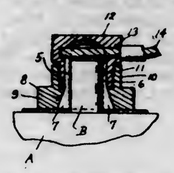
2,041,823
MOP
Pauline Ehrmantrout, Casper, Wyo.
Application July 2, 1935, Serial No. 29,539
4 Claims. (Cl. 15—147)



2. A holder for a mop of the household type consisting of a handle provided at one extremity with a loop shape frame having opposed reentrant portions forming notches, and a spring wire band for encircling said frame at said notches, said band having readily disengageable securing means at its ends.

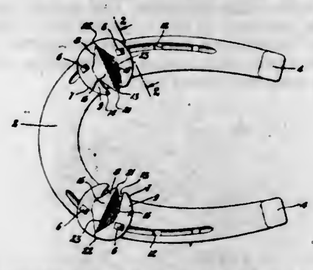
2,041,824
STORAGE BATTERY TERMINAL
Lester R. Friend, Fort Wayne, Ind.
Application July 31, 1935, Serial No. 34,063
1 Claim. (Cl. 173—259)

A battery terminal comprising a bifurcated nipple for disposition over the post of a battery, said bifurcated nipple being provided at its end portion with tapered enlargements, a nut provided with a tapered bore for wedged engagement with the said enlargements, said nut being provided with an internally threaded portion, a head structure having an opening therein through which a cable can be inserted for disposition through the bifurcated nipple on the upper end of the post, said head being provided with a



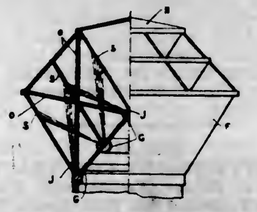
threaded portion for engagement to the threaded portion of the said nut so that when the said nut is rotated, the head will be drawn downwardly to cause the nipple to bind against the post and the cable to clamp against the said post.

2,041,825
HORSESHOE CALK
Edward Merrill Gardner, Brooklyn, N. Y.
Application February 16, 1934, Serial No. 711,489
5 Claims. (Cl. 168—29)



5. A horseshoe calk having means for engagement with a horseshoe and an integral cleat depending therefrom, said cleat having sides converging at an acute angle to form a cutting edge on the bottom of the cleat, and said cleat also having end surfaces converging at an acute angle to provide a cutting edge on at least one end of the cleat.

2,041,826
APPARATUS FOR INCREASING DRAFT IN FURNACES AND FOR PURIFYING FLUE GASES
Fernand Garnier, Gagny, France
Application August 9, 1934, Serial No. 739,178
In France August 16, 1933
6 Claims. (Cl. 261—126)

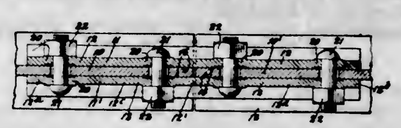


1. In a device for freeing exhaust gases and smoke from impurities, the combination of a plurality of conical elements, means for maintaining them in fixed spaced coaxial relation, a plurality of annular apertured tubes each associated with one of the conical elements, and means for discharging at high speed sprays of atomized liquid through the apertures of said tubes with sufficient force to create a suction of the gases in the passage between adjacent conical elements and with sufficient force to carry with them the said gases flowing in said passages to project them against each of said conical elements while at the same time commingling with said gases by intersection in the common part of the sprays.

2,041,827
COLORED LIGHT-SENSITIVE MATERIAL AND PROCESS OF PRODUCING COLOR PICTURES THEREWITH
Béla Gáspár, Brussels, Belgium
No Drawing. Application December 23, 1933, Serial No. 703,829. In Germany December 29, 1932
9 Claims. (Cl. 95—6)

5. A method of producing color images which comprises incorporating a hydrazo compound in a silver halide gelatine emulsion layer, producing a silver image in the said emulsion layer, treating the layer with an oxydizing substance to transform the hydrazo compound into an azodyestuff, and treating with a dyestuff-destroying agent which destroys the said azodyestuff by reaction with the silver particles in proportion to the silver image produced in the layer.

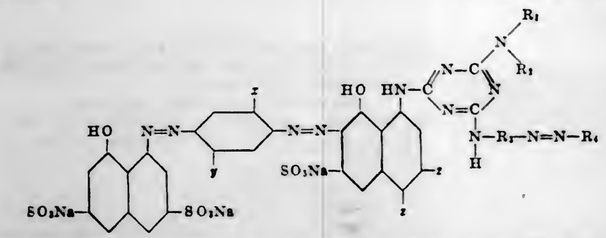
2,041,828
JOINT FOR RAIL ENDS AND SPLICE BARS THEREFOR
Richard F. Greenwood, New York, N. Y., assignor to Standard Equipments, Inc., a corporation of Maryland
Application August 22, 1932, Serial No. 629,814
2 Claims. (Cl. 238—243)



1. In a rail-joint, a pair of rail ends having bolt holes, a pair of splice bars of channel-formation, each having across the joint and at opposite ends web-sections contacting throughout their entire surfaces with the web-sections of the fishing areas of the rail ends and other web-sections contacting at one portion and offset at another portion of their surfaces with said web-section of the fishing areas of the rails, said bars also having outwardly-extending flanges comprising a top-flange contacting with the head-fillet and under surface of the head of the rail and a bottom flange contacting with the flange-fillet and with a portion of the flange of the rail, the major portion of the metal of the splice bars being disposed beneath the overhanging head portions of the rail in longitudinal-vertical parallel planes extending closely adjacent to the web of the rail and one of said planes being closely adjacent to the vertical plane through which the major portion of the strain of the load is transmitted, whereby greater strength of the joint is produced and offset portions are provided for locking the bar, bolt holes in said offset portions, and bolts passing through the bolt holes of said bars and rail ends.

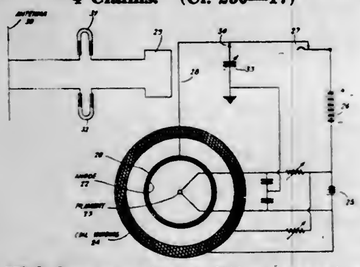
2,041,829
AZO-DYESTUFFS
Joseph Gyr and Otto Kaiser, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application December 10, 1932, Serial No. 646,707. In Switzerland December 17, 1931
3 Claims. (Cl. 260—27)

1. The green direct dyeing azo-dyestuffs fast to light which are insensible in the dye-bath towards hard water and correspond to the general formula



in which one z represents an SO_3Na-group and the other z represents a hydrogen atom, y and x represent a substituent selected from the group consisting of alkyl and alkoxy, R_1 stands for alkyl, R_2 stands for a member of the group consisting of hydrogen, alkyl and aryl of the benzene and naphthalene series, and R_3 and R_4 stand for radicals of the benzene series, which products constitute dark powders, are soluble in water to green solutions, and dye cotton or regenerated cellulose green tints which are fast to light.

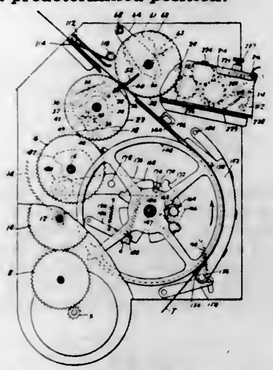
2,041,830
SIGNALING SYSTEM
Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 20, 1933, Serial No. 672,034
4 Claims. (Cl. 250—17)



1. High frequency transmitting apparatus comprising a magnetron oscillator having a cylindrical anode of continuous form and a filament positioned along the axis of said cylindrical anode, both being located within an envelope, a magnetic field which is substantially constant throughout the period of a cycle for influencing the electrons accelerated from said filament toward said anode located substantially parallel to the filament, a source of potential, a connection from the positive terminal of said source to said anode, a condenser movably adjustable over the path of said connection for tuning the oscillations in said anode connection to a desired frequency, a transmission line and an antenna inductively coupled to said connection, and a telegraph key serially connected between said source of potential and said connection for modulating the oscillations in said anode connection in accordance with telegraphic signals to be transmitted.

2,041,831
TICKET ISSUING MACHINE
Reuben H. Helsel, Long Island City, N. Y., assignor to General Register Corporation, Brooklyn, N. Y., a corporation of Pennsylvania
Application June 30, 1932, Serial No. 620,091
18 Claims. (Cl. 101—288)

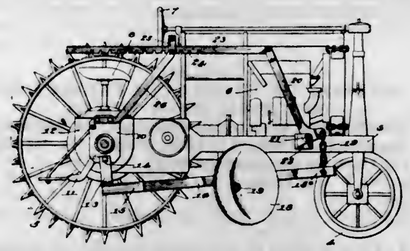
13. A ticket issuing machine including means for feeding a ticket strip, said means including a rotary feeding member arranged to release the ticket strip at the end of a feeding operation, a knife rotatable with the member and adapted to sever the strip while released, and means for adjusting the position of the released strip prior to severance, including a pin wheel engaging openings in the strip, and means for locating the pin wheel in a predetermined position.



14. A ticket issuing machine comprising means for guiding a ticket strip; means for severing a ticket from the strip; means for presenting a severed check in delivering position; means for effecting a cycle of operation of the machine including a member effective upon removal of a check from delivering position to initiate a cycle of operation; and means for preventing initiation of such cycle of operation if there is no strip available to form a subsequent check, said last means including a finger arranged to engage the ticket strip; and means for disengaging said finger from the strip during feed thereof.

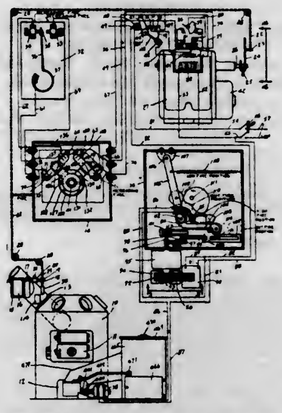
2,041,832
PLOW ATTACHMENT FOR TRACTORS
Levi C. Hester, Jacksonville, Fla.
Application February 25, 1935, Serial No. 8,193
4 Claims. (Cl. 97—47)

1. A plow attachment for tractors having drive wheels comprising a frame, a disk rotatably carried by said frame, and a supporting member pivotally mounted at two points equi-distant from the longitudinal central axis of the tractor and in a vertical plane through the axis of the drive



wheels and rigidly connected with said frame at the junction of the central longitudinal axis and said vertical plane.

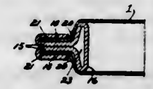
2,041,833
FUEL SUPPLY AND CONTROL SYSTEM
Forrest L. Hitchcock, Indianapolis, Ind.
Application May 14, 1932, Serial No. 611,285
11 Claims. (Cl. 236—9)



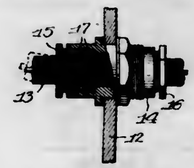
11. A device for controlling a burner supplied fuel by a stoker including the combination of a thermostat in the spaces heated and a regulator actuated by variations of fire conditions at the burner normally under control of the thermostat, said regulator having means for varying the amount of fuel fed to the burner on each operation of the stoker directly in proportion to said fire condition, less fuel being fed under low fire conditions and increasing amounts of fuel fed as the rate of combustion at the burner increases.

2,041,834
ELECTRIC ACCUMULATOR
Karl Wilhelm Josef Hjelmblad, Alsten, Sweden, assignor to Accumulator Aktiebolaget Leif Nobel, Stockholm, Sweden
Application March 16, 1933, Serial No. 661,341
In Sweden March 17, 1932
2 Claims. (Cl. 136—43)

1. In an electric accumulator, envelopes filled with active substance and each having two adjacent spaced edges, frame rods, said frame rods including leg members having the medial portions thereof located between said edges, certain ends of the leg members contacting and terminating within the envelopes and being bent apart, and the opposite integral ends of each leg member being folded back against and in contact with the external surface of the adjacent edge portion.



2,041,835
PLASTIC PACKING COMPOSITION
Edgar G. Howland, Park Ridge, and Frank E. Payne, Glencoe, Ill., assignors to Crane Packing Company, a corporation of Illinois
Application April 27, 1935, Serial No. 18,594
6 Claims. (Cl. 106—8)



1. A packing comprising shredded cork and granulated cork, graphite and high melting point grease consisting essentially of a soda soap and high flash mineral oil, the ratio by weight of the cork ingredients to the combined graphite and grease ingredients being about one to three.

2,041,836
IMPERVIOUS FABRIC
James K. Hunt, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 1, 1933, Serial No. 683,179
5 Claims. (Cl. 137—157)

1. An oil pump diaphragm of improved flexibility retention, comprising a fabric impregnated with a drying oil containing from 0.25 to 2.0% of an agent from the class consisting of polyaryl guanidines, phenyl-α-naphthylamine, p-hydroxydiphenyl, catechol, α-naphthol, and creosole, and then dried.

2,041,837
ELASTIC FABRIC AND COLORED STRAND THEREFOR
Frederick P. Jecusco, Middletown, Conn., assignor to The Chatham Manufacturing Company, Portland, Conn., a corporation
Application December 3, 1934. Serial No. 755,662
9 Claims. (Cl. 28—1)



1. An elastic fabric having included therein one or more elastic strands each having variegated surface-areas or zones of differential coloration, size and shape dispersed thereon substantially throughout its length and changeable in shape in response to changes in the tension to which the fabric is subjected.

2,041,838

1 - (β - HYDROXYETHYLAMINO) - 5 - NAPHTHOL AND PROCESS OF PREPARING SAME

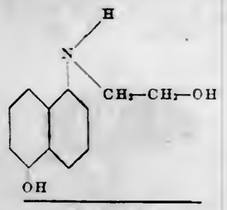
Arthur Howard Knight, Ashton-on-the-Mersey, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Original application November 15, 1933, Serial No. 698,222. Divided and this application November 20, 1934, Serial No. 753,899. In Great Britain November 17, 1932

5 Claims. (Cl. 260—128)

1. A process for the manufacture of a new coupling component for azo dyes which comprises reacting 1-amino-5-naphthol and ethylene chlorohydrin in the presence of a mild alkali in an aqueous medium.

4. 1-β-hydroxyethylamino-5-naphthol of the formula:



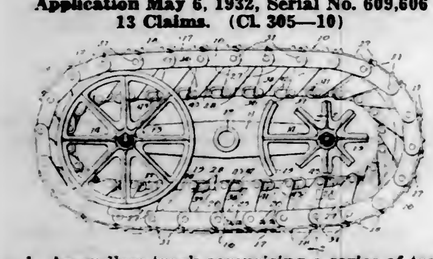
2,041,839

TRACK FOR TRACK LAYING WHEELS

Joseph Kuchar, Chicago, Ill., assignor to Forged-Trak Co., Chicago, Ill., a corporation of Delaware

Application May 6, 1932, Serial No. 609,606

13 Claims. (Cl. 305—10)



1. An endless track comprising a series of track elements pivotally connected together, each track element comprising a pair of truss arms, removable means securing the upper ends of each pair of rigid truss arms together, and a rigid slotted truss link pivotally mounted on each removable means and having a limited sliding engagement with the removable means of an adjacent track element, the removable means of each track element being located outwardly in the longitudinal direction of the track with respect to the pivotal connections of its track element, whereby the maximum length of the truss arms and leverage is obtained with said pivotally mounted rigid truss links, without fouling when compactly folded at the turns.

2,041,840

PROCESS FOR HYDROGENATING SULPHUR COMPOUNDS

Wilbur Arthur Lazier, Marshallton, Del., and John Victor Vaughen, Lakewood, Ohio, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 3, 1934, Serial No. 738,296

9 Claims. (Cl. 260—16)

1. A process of hydrogenating sulphur compounds capable of hydrogenation which comprises bringing a gaseous mixture containing a sulphur compound capable of hydrogenation and an excess of hydrogen into contact with a hydrogenation catalyst consisting of chromium oxide at substantially atmospheric pressure.

2,041,841

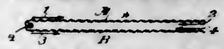
METHOD OF PRODUCING FABRICS OF MULTIPLE LOOM WIDTH

Adolf Lanz, Wettingen-Dansau, Switzerland

Application May 17, 1935, Serial No. 22,086

In Switzerland May 26, 1934

3 Claims. (Cl. 139—20)



1. In a method of producing fabrics of multiple loom width, the steps of arranging the warp in a number of superposed sections corresponding to the sub-multiple of the width in which the fabric is to be produced, providing a separating insert at each folding line to be formed in said fabric between adjacent warp sections, adapting said insert to take the weft tension, and inserting the weft in adjacent warp sections by passing the weft thread round the intervening separating insert.

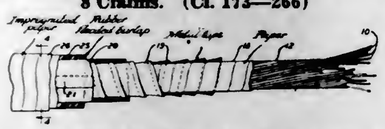
2,041,842

ELECTRIC CABLE AND METHOD OF MANUFACTURING IT

Roy F. Layton, Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application June 23, 1932, Serial No. 618,831

8 Claims. (Cl. 173—266)



1. In an electric cable having an inner insulated conductor portion, a covering of paper ribbon applied spirally around the conductor portion, a metallic ribbon applied spirally around the paper ribbon, a thin metallic sheath applied over said metallic ribbon formed from sheet metal and having its edges joined to form a water-proof casing, a sheath of asphalt flooded burlap over said metallic sheath and a covering of paper ribbon applied over said asphalt flooded burlap.

2,041,843

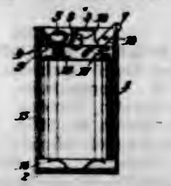
ELECTRIC POCKET LAMP

Benjamin Daniel Lifschitz, Vienna, Austria, assignor of one-half to Egon Singer, Vienna, Austria

Application April 21, 1934, Serial No. 721,786

In Austria April 21, 1933

2 Claims. (Cl. 240—10.65)



1. Electric pocket lamp with removable battery comprising in combination a case of insulating material, openings in said case, a flexible strip of metal arranged in the back end of the case, a flexible contact strip of metal provided with lateral lugs arranged in the forward end of said case and entering said openings, a screw-thread corresponding to the screw-part of a lamp on said contact strip, a lamp passing through said case and screwed into said contact strip, and a switch secured to the case and controlling the free end of said contact strip.

2,041,844

APPARATUS FOR SEPARATING METALS AND METAL ALLOYS

Karl A. Lindner, Roselle Park, N. J., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey

Application March 10, 1934, Serial No. 714,957

5 Claims. (Cl. 266—33)



1. In an apparatus for separating lower melting metals and alloys from higher melting metals and alloys, a furnace, heating means associated therewith, an intake opening and a discharge opening in said furnace, a plurality of perforated hearth trays individually mounted on a common hearth structure forming a chute sloping downwardly from said intake to said discharge opening to receive and convey said metals and alloys through said furnace, means for imparting both longitudinal reciprocating and rocking motion to said hearth trays comprising a drive shaft, an eccentric thereon, link means between said eccentric and said trays and a bumper associated with said link means.

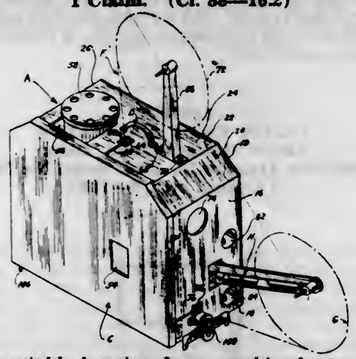
2,041,845

HOUSING FOR COMBINED SOUND AND MOTION-PICTURE PROJECTORS

Philip S. Malickson, Bala, Pa.

Application September 29, 1934, Serial No. 746,089

1 Claim. (Cl. 88—16.2)



A portable housing for a combined sound and motion picture projector comprising a flat metallic base; front and rear parallel vertically extending walls joining the ends of the base; a flat wall inclined towards the center of the vertically extending central axis of the housing; and a flat ceiling parallel to the base and joining the upper end of each inclined wall; the edges of the complemental base, front and rear walls, the inclined walls and the ceiling joined to form an integral structure; a removable flat side plate having a bead thereon whereby the inside edges of the walls will abut against the bead in order to support the side edges of the said base, front and rear walls, inclined walls and the base; a pivoted flat side door for the second side of said housing, said side door having a flange laterally extending from its edges, and a fold on the upper horizontal edge of the flange adapted to overlap a portion of the outer surface of the ceiling when the door is closed, and a plurality of folds extending from the bottom and side flanges adapted to overlap the interior portion of said base and side walls; and a handle on the outer portion of the ceiling.

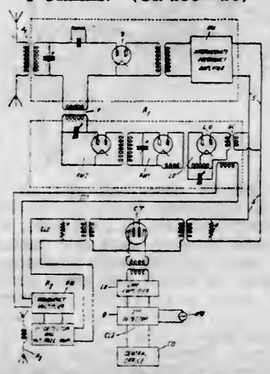
2,041,846

RADIO RECEIVING SYSTEM

Richard Eugene Mathes, Westfield, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application November 2, 1934, Serial No. 751,133

6 Claims. (Cl. 250—20)



1. The method of radio reception which includes picking up radio frequency energy, locally generating energy, frequency multiplying the locally generated energy to a value in frequency such that the multiplied frequency energy when heterodyned with the picked up energy produces a beat equal in frequency to the frequency of the locally generated energy, heterodyning the picked up energy with the frequency multiplied energy, and controlling the frequency of the locally generated energy in accordance with the beat produced by the heterodyning process.

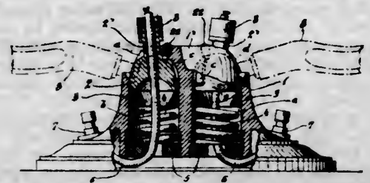
2,041,847

ADJUSTABLE DUPLEX ELECTRIC LAMP

Adolph Marchand, Jackson Heights, N. Y.

Application February 26, 1935, Serial No. 8,284

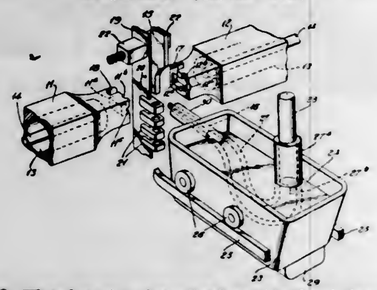
1 Claim. (Cl. 248—160)



In an adjustable electric lamp comprising a base member and an upwardly extending chamber formed in said base member, of a dome surmounting said chamber, said dome being formed with an aperture having a relatively wide bottom
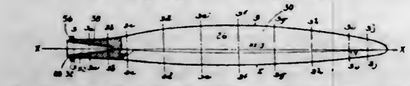
guiding wall and side walls converging above said bottom wall, a ball member in said chamber having a surface depression similar in conformation to the aperture of said dome area, a stud carried by the dome and entering the ball surface depression, and an illuminating means carried by said ball.

2,041,848
METHOD OF MANUFACTURING SEPARABLE FASTENER DEVICES
Davis Marinsky, New York, N. Y., assignor, by mesne assignments, to Whitehall Patents Corporation, New York, N. Y., a corporation of New York
Application March 16, 1933, Serial No. 661,099
21 Claims. (Cl. 22—202)



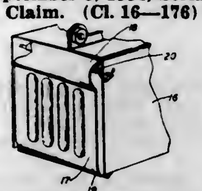
16. The herein described method of forming stringers of separable fasteners of the class described which consists in arranging a mounting strip or body between adjacent surfaces of opposed die parts having mold chambers between said surfaces in which one edge portion of the mounting strip is arranged, another die part arranged in the plane of said strip and between adjacent surfaces of the first die parts and movable relatively thereto, moving said first named die parts together into abutting relation and into engagement with said strip and the last named die part, and introducing molding material into the mold chambers of the dies to form on that part of the strip within the chambers of said dies a coupling element having an interlocking portion protruding beyond one edge of the strip.

2,041,849
PROPELLER
Ernest G. McCauley, Dayton, Ohio
Application July 1, 1932, Serial No. 620,462
48 Claims. (Cl. 170—159)



1. A propeller blade having an outer portion of airfoil cross-section of the character described, said outer portion gradually increasing in cross-sectional area from the tip inward, a cylindrical root portion adapted for anchorage to a propeller hub and a shank portion exterior of said hub connection of cross-section gradually varying from a cylindrical to the outer portion airfoil section, said blade having a longitudinally disposed conical bore extending thruout the length of the root portion and into the shank portion, said conical bore being of such diameter and depth as to provide a gradually increasing cross-sectional area of the blade from the tip towards the root and substantially thruout the entire length of the blade.

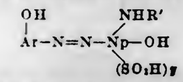
2,041,850
DETACHABLE HINGE
John M. Melick, Cresskill, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 5, 1934, Serial No. 742,868
1 Claim. (Cl. 16—176)



A pair of bearings, a hinged member, a pin adapted to be journaled in the bearing and to support the hinged member, said pin comprising a journal, a straight portion for supporting the hinged member adjacent the journal, a hook adjacent the straight portion and a journal adjacent the hook whereby the hinged member and pin may be simultaneously assembled with respect to the bearings by threading the pin through the hinged member, inserting the first mentioned journal into its bearing and then opening the loop until the last mentioned journal is snapped into its bearing.

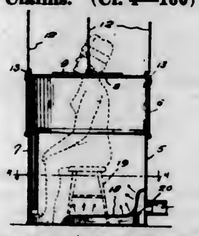
2,041,851
AZO DYESTUFFS AND THEIR PRODUCTION
Mordecai Mendoza, West Didsbury, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application July 6, 1933, Serial No. 679,267. In Great Britain July 7, 1932
7 Claims. (Cl. 260—92)

2. Azo dyes having the general formula



wherein Ar stands for an aromatic radical of the benzene series in which the group OH is located ortho to the group —N=N—, Np stands for a naphthalene residue, R′ stands for a monohydroxy-alkyl radical, and *y* represents the numeral 1 or 2; the said dyes being capable of dyeing wool from an acid bath.

2,041,852
VAPOR BATH APPARATUS
Grace Metzger, Tulsa, Okla.
Application January 13, 1936, Serial No. 58,962
9 Claims. (Cl. 4—160)



1. In a bath apparatus of the class described, the combination of a cabinet composed of a lower section and an upper section slidably telescoped onto said lower section, the upper section being formed with an opening in the top thereof, of cables suspending said upper cabinet section and

having a counter weight connected thereto to facilitate elevation and vertical adjustment of said upper cabinet section by direct manipulation of the latter, and to maintain said upper cabinet section in any position to which it is elevated or vertically adjusted.

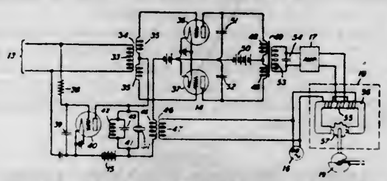
2,041,853
METHOD OF DECORATING LARGE SURFACES BY PHOTOGRAPHY
Eugene Mollo and Henry Charles Merrett, London, England
No Drawing. Application May 29, 1935, Serial No. 24,157. In Great Britain October 2, 1934
3 Claims. (Cl. 95—5)

1. Process for photographically decorating the surfaces of structures, and particularly theatre walls, exhibition facades and the like, comprising covering said surfaces with a preparation which is neutral to photographic emulsion and which is adapted for imparting a bite or tooth effect sufficient for ensuring adherence of such emulsion, spraying the covered surfaces with a fast light sensitive emulsion, producing an exposure of the sensitized surface by means of a light projector producing an image, and treating the exposed surface with developing and fixing agents sprayed in solution form by quickly acting distributive means.

2,041,854
PRESERVATION OF RUBBER
Arthur Morrill Neal, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 26, 1932, Serial No. 595,430
10 Claims. (Cl. 18—50)

1. Rubber having incorporated therein as a deterioration inhibitor p-hydroxy-p′-morpholyldiphenylamine.

2,041,855
FREQUENCY CONTROL
Russell S. Ohl, Little Silver, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 1, 1935, Serial No. 8,816
7 Claims. (Cl. 250—20)

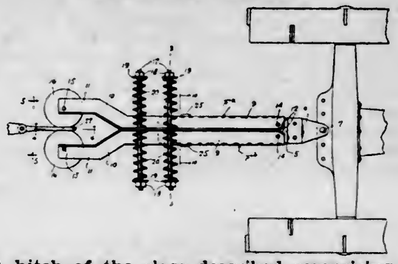


1. A frequency control system comprising a source of electrical oscillations, the frequency of which is to be controlled, an impedance network having a frequency phase shift characteristic producing a phase reversal as the frequency passes through a predetermined value, a balanced bridge circuit comprising controllable impedance elements in two corresponding arms, an alternating current source connected across one diagonal of the bridge, means for controlling the impedances of said controllable impedance elements in response to the vector sum and difference, respectively, of a voltage from said source and the voltage output of said impedance network produced by a voltage input from said source 90 degrees out of phase with the first mentioned voltage from said source, and means responsive to the phase and amplitude of the voltage across the other diagonal of said bridge for controlling the frequency of said source.

2,041,856
METHOD OF ACETYLATING DIPHENOL ISATIN
John W. Orelup, Summit, N. J.
No Drawing. Application July 14, 1932, Serial No. 622,481
5 Claims. (Cl. 260—48)

2. The process of acetylating diphenol isatin to form the diacetyl compound which consists in adding acetic anhydride to a solution of diphenol isatin in aqueous alkali solution under conditions including that of temperature, preventing substantial hydrolysis of the acetic anhydride and after the reaction has taken place rendering the solution substantially neutral.

2,041,857
SAFETY HITCH
Leonas O. Orner, Maddock, N. Dak.
Application October 12, 1935, Serial No. 44,772
1 Claim. (Cl. 280—33.16)

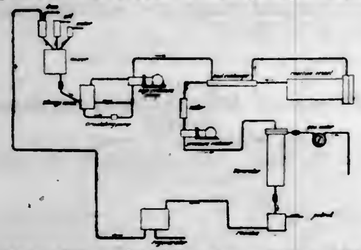


A hitch of the class described comprising, in combination, a hitch bar, means at one end of the hitch bar for engagement with a tractor, a pair of frames, one above and one below the hitch bar, each frame consisting of a pair of members pivotally mounted on the hitch bar adjacent the forward end thereof, spring means associated with the members for normally holding the same in abutment with each other, a pair of disks, and means for rotatably mounting the disks between the rear ends of the members of the frame with a portion of their peripheries thereof normally contacting one another, said frames being of a Y-shaped formation with the rear ends separated, said means for holding members of the frame in abutment being in the form of rods extending through the members of the frame and having coil springs thereon impinging against the members of the frames to hold the same in abutment.

2,041,858
HYDROGENATION OF CARBONACEOUS MATERIALS
Theodor Wilhelm Pfirrmann, Castrop-Rauxel, Germany
Application August 31, 1932, Serial No. 631,124
In Germany September 8, 1931
5 Claims. (Cl. 196—53)

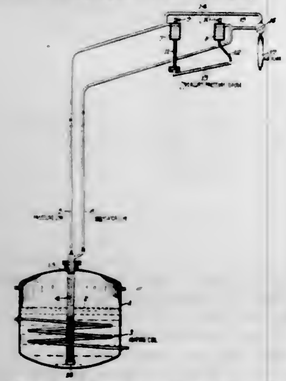
1. The method of hydrogenating carbonaceous materials comprising acting on these materials capable of being hydrogenated at a temperature ranging between 400 and 500° C. and under a pressure exceeding 100 atmospheres with nascent hydrogen developed in the reaction mixture

by the interaction of spongy iron and water in the presence of a salt of the group constituted



by magnesium chloride, ammonium chloride, ferro-chloride, chromo-chloride, nickel chloride, and mangano-chloride.

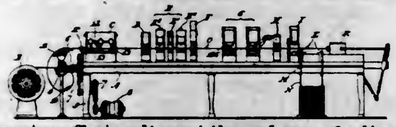
2,041,859
LIQUID LEVEL INDICATOR
Cyrus Pyle, 3d, Parlin, and Russell Terry Van Ness, Metuchen, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application September 14, 1934, Serial No. 743,958
1 Claim. (Cl. 73—54)



An apparatus for determining the level of a boiling liquid, comprising a vessel adapted to contain a boiling liquid under low super-atmospheric pressures and equipped with a V-tube liquid level gauge, a reservoir at the highest point in each leg of the gauge, a pipe communicating with the reservoir in one leg of the gauge and the lower part of the interior of said vessel, a second pipe communicating with the reservoir in the other leg of the gauge and the space above the liquid in said vessel, and an air pump communicating with each of said pipes whereby the said pipes are maintained free of liquid.

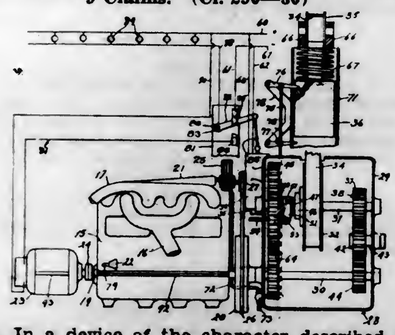
2,041,860
HEDDLE AND METHOD OF MAKING THE SAME
Ralph Ragan, Atlanta, Ga., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application June 29, 1931, Serial No. 547,773, now Patent No. 1,948,129, dated February 20, 1934. Divided and this application July 17, 1933, Serial No. 680,855
16 Claims. (Cl. 29—170)

3. In the manufacture of heddles from a metal wire in a continuous process, the method comprising simultaneously punching slots for forming the rod eyes and the warp eye of a heddle, thereafter deforming the walls surrounding the slot of the warp eye, to strengthen them and render them round and smooth; thereafter simultaneously spreading the walls of the warp eye and swedging the rod eyes; thereafter offsetting the warp eye along continuous gradual curves while holding the heddle in clamped condition; thereafter forming



separator offsets adjacent the rod eyes of adjacent heddles; thereafter upsetting the outer ends of the warp eyes of adjacent heddles simultaneously to form wide bearing surfaces, and thereafter clamping the wire and crimping the upper rod eye while the wire is still clamped, and cutting off a preceding heddle, and thereafter releasing the wire.

2,041,861
ENGINE STARTER
William M. Reese, Collingdale, Pa.
Application December 16, 1932, Serial No. 647,590
9 Claims. (Cl. 290—30)

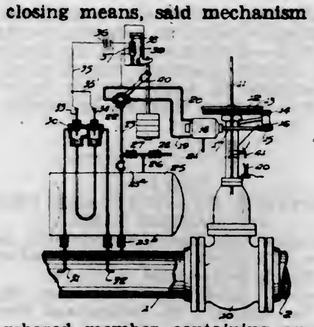


1. In a device of the character described, an internal combustion engine, means normally at rest but when in motion imparting an initial movement to the internal combustion engine, and mechanism to transmit motion from the engine to said means for resetting said means to its normal at rest position after said means has functioned to impart the said initial movement to the engine and the same mechanism stopping the engine by the counteraction of said means after said means has reached its at rest position beyond which said means cannot go.

2,041,862
SAFETY SYSTEM FOR PIPE LINES
George I. Rhodes, Glen Ridge, N. J., assignor, by direct and mesne assignments, of one-half to Ford, Bacon & Davis, Inc., New York, N. Y., a corporation of New Jersey, and one-half to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
Application November 18, 1930, Serial No. 496,507
7 Claims. (Cl. 137—153)

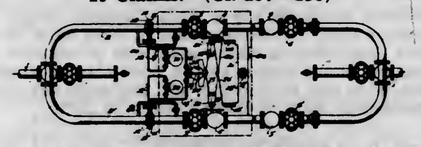
1. The combination with a cut-off valve for a pipe line, of means including a weighted lever for closing the same, and mechanism adapted to be connected to the line and responsive to changes in pressure small as compared with the operating pressure of the line and operable by excess in or a reversal of a pressure resultant from the flow of a fluid in the line to render effective the

valve closing means, said mechanism including



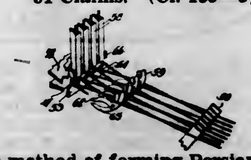
a chambered member containing an electrical conducting fluid.

2,041,863
SAFETY SYSTEM FOR PIPE LINES
George I. Rhodes, Glen Ridge, N. J., assignor, by direct and mesne assignments, of one-half to Ford, Bacon & Davis, Inc., New York, N. Y., a corporation of New Jersey, and one-half to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
Application November 21, 1930, Serial No. 497,299
19 Claims. (Cl. 137—153)



1. A pipe line including a feed pipe and a discharge pipe connected together by branch pipes, each branch pipe having means for obtaining differential pressures therein and a cut-off valve, and automatically operating means actuated by differential pressure in the branches for closing a valve in the branch in which pressure falls below that of the other branch.

2,041,864
METHOD AND APPARATUS OF WEAVING KNOTTED FABRICS
Walter A. Rice, Yonkers, and Frank G. Shinn, Bronxville, N. Y.
Application January 31, 1933, Serial No. 654,470
Renewed October 18, 1935
31 Claims. (Cl. 139—5)



1. The method of forming Persian knots, using yarn tubes and grippers in operative relation to the warp threads of a loom, which consists in locating the yarn tubes approximately at the fell of the fabric in line with pairs of warp threads, in crossing the warp threads in pairs, in inserting the grippers back of the crossing points and passing them upwardly in front of the crossing points of the warp threads to engage and hold respective free ends of the tuft yarns, in withdrawing the grippers to carry the yarns from the tubes between the warp threads to form the knots and in holding both ends of the tuft yarns while inserting weft thread and beating it to place.

2,041,865
MULTIPLE ALLOYS
Georg Schichtel, Dobriach - on - Millstattersee, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application November 18, 1932, Serial No. 643,297. In Austria February 19, 1932
6 Claims. (Cl. 75—168)

1. A low specific gravity magnesium base alloy consisting of from 80 to 98.95 per cent of magnesium, from 1 to 18 per cent of aluminum, and a metal selected from the group consisting of antimony and bismuth in an amount from 0.05 to 2 per cent.

2,041,866
MULTIPLE ALLOYS
Georg Schichtel, Radenthein, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Original application November 18, 1932, Serial No. 643,297. Divided and this application June 4, 1935, Serial No. 24,979. In Austria February 19, 1932
5 Claims. (Cl. 75—168)

1. A low specific gravity magnesium base alloy containing from 80 to 97.8 per cent of magnesium, from 1.1 to 17 per cent of aluminum, from 1 to 8.4 per cent of zinc, the content of aluminum exceeding that of zinc and the combined amount of aluminum and zinc being not more than 18 per cent, from 0.05 to 2 per cent of a metal selected from the group consisting of antimony and bismuth, the alloy being more resistant to corrosion than an alloy of the same composition but not containing a metal selected from the said group.

2,041,867
MULTIPLE ALLOYS
Georg Schichtel, Dobriach - on - Millstattersee, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa., a corporation of Delaware
No Drawing. Application February 14, 1933, Serial No. 656,765. In Austria February 19, 1932
5 Claims. (Cl. 75—168)

1. A low specific gravity magnesium base alloy containing from 80 to 98.8 per cent of magnesium, aluminum in an amount from 1 to 16 per cent, manganese in an amount between 0.12 to 2 per cent, and a metal selected from the group consisting of antimony and bismuth in an amount from 0.05 to 2 per cent, the alloy being more resistant to corrosion than an alloy of the same composition but not containing a metal selected from the said group.

2,041,868
TREATING TEXTILE MATERIAL AND PRODUCT THEREOF
George Schneider, Montclair, N. J., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application June 10, 1932, Serial No. 616,573
7 Claims. (Cl. 8—2)

3. Process for degumming natural silk contained in a pile fabric, which comprises subjecting a fabric having a back containing natural silk yarn and a pile containing organic derivative of cellulose yarn to the action of a hot degumming bath, which bath contains a readily ionizable salt selected from the group consisting

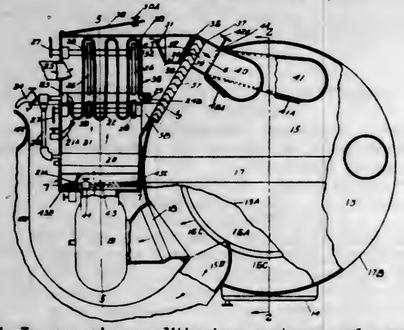
of the sulfates, chlorides, nitrates, chromates and acetates of sodium, potassium, magnesium, ammonium and aluminum in a concentration of at least 0.5%, whereby agglomeration of the pile of the fabric is prevented.

2,041,869
APPARATUS FOR TESTING PHARMACEUTICAL TABLETS
Franklin D. Smith, Webster Groves, and Lyndall Grosch, St. Louis, Mo., assignors to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
Application February 19, 1934, Serial No. 711,844
4 Claims. (Cl. 265—18)



4. An apparatus for testing the hardness of disc-like pharmaceutical tablets, comprising a hollow member having a tablet holder secured to one end thereof, the tablet holder being in the form of a loop and being open upon opposite sides to admit of disposing the tablets in peripheral contact with the loop preparatory to testing, a plunger disposed within the hollow member and having a projecting portion for engaging tablets disposed within the holder, a helical spring engaging at one end with the plunger and actuating it toward the tablet holder, a second plunger engaging the opposite end of the spring, means for actuating the second plunger axially within the cylinder to compress the spring, and means connected to the second plunger for indicating displacement thereof.

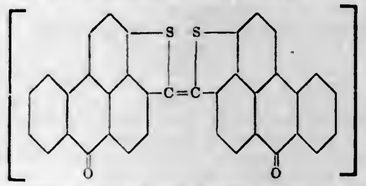
2,041,870
AIR CONDITIONING EQUIPMENT
Raymond A. Sheffield, Boston, Mass.
Application June 23, 1932, Serial No. 618,892
23 Claims. (Cl. 257—9)



1. In an air conditioning system and equipment, a heating unit to heat the air, an air intake, adaptable to supply air to said unit, a plenum chamber, constructed adjacent to said heating unit, and a damper between the heating unit and the plenum chamber, said damper, when open, adaptable to allow the air to circulate through said plenum chamber by gravity to the rooms to be conditioned.

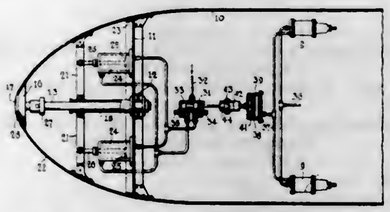
2,041,871
SULPHONATED DYESTUFF AND PROCESS OF MAKING SAME
Hugo Siebenbürger, Basel, Switzerland, assignor to firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application November 28, 1934, Serial No. 755,233. In Switzerland December 23, 1933
4 Claims. (Cl. 260—53)

1. The dyestuffs of the general formula



wherein n stands for a whole number which is smaller than 5, which products form dark powders dissolving in dilute solutions of alkalies to blue solutions, dyeing cotton from the vat green-blue tints fast to chlorine, and unloaded silk vivid green-blue tints of high fastness to light.

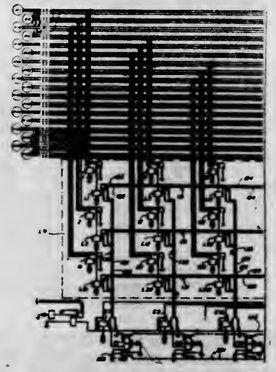
2,041,872
FLUID PRESSURE BRAKE
Lewis K. Silicox, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application January 21, 1935, Serial No. 2,821
11 Claims. (Cl. 188—87)



1. The combination of a vehicle body and a stream-lined end extension thereof, said extension being bodily shiftable on the vehicle by translatory motion in the general direction of travel of the vehicle, between two positions, in one of which the body and extension conjointly present a streamlined exterior, and in the other of which the extension serves as a wind resistance brake.

2,041,873
SWITCHING SYSTEM
Thomas A. Spencer, Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 13, 1935, Serial No. 35,927
5 Claims. (Cl. 179—18)

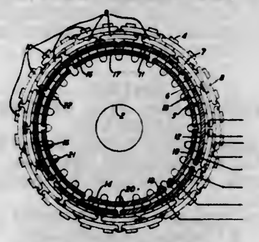
1. In combination, switches, each having rows of separately operable contact sets, a group of lines appearing in a row of contacts in each of a plurality of said switches, trunks, links, means including a particular one of said trunks for effecting a connection in said group of lines by way of one of said switches, means including any of said trunks and a particular one of said links for effecting a connection in said group of lines by way of a second one of said switches, and means including any one of said trunks and any one of said links for effecting a connection in said group of lines by way of another one of said switches.



2,041,874
COMPOSITION FOR PREVENTING SUNBURN
Frits E. Stockelbach, Montclair, N. J.
No Drawing. Application February 15, 1935, Serial No. 6,646
2 Claims. (Cl. 167—90)

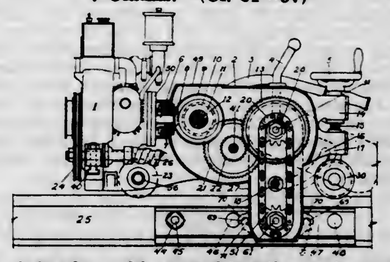
1. A skin protective substance for preventing sunburn containing menthyl salicylate.

2,041,875
MULTIPLE SPEED MOTOR
Hugh M. Stoller, Mountain Lakes, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 8, 1934, Serial No. 738,944
8 Claims. (Cl. 172—278)



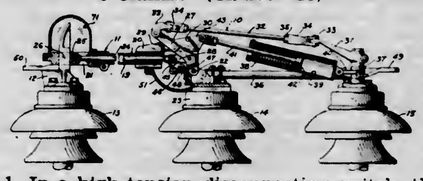
1. A slow speed motor adapted to operate at a plurality of synchronous speeds and comprising a stator having a slotted core and a plurality of windings wound for different numbers of poles, a rotor comprising a continuous, symmetrical ring of magnetic material, the windings being disposed in the stator slots at different depths and the thickness of the rotor magnetic material being such as to obtain optimum flux density in the rotor and maximum torque by the motor when either winding is energized, and electrical means for shifting the synchronous speed of said rotor at will by energizing any desired stator winding.

2,041,876
TRACK WORKING MACHINE
Frank C. Stowell, Medford, Mass.
Application September 5, 1933, Serial No. 688,157
7 Claims. (Cl. 81—57)



1. A track working machine the main portion of which is adapted to be movably supported on and symmetrically disposed about the longitudinal axis of the rail, comprising in combination a power unit, a power drive shaft parallel with the rail, an enclosed gear thereon, a housing adapted to receive oil, a plurality of shafts parallel with each other, and rotatably supported in the housing, each of said shafts being transverse to the rail and enclosed within said housing, said shafts including a direction control shaft, an intermediate shaft and a variable speed shaft, a driving gear connection between said shafts, a plurality of arms extending downwardly from opposite ends of the variable speed shaft in the same vertical plane transverse to the rail, one on each side of the rail, means for adjustably connecting said arms to the housing to permit independent movement through an arc, a plurality of work engaging tool supports rotatably supported in horizontal opposed relation, one in each of said arms on opposite sides of the rail, and a chain and sprocket driving connection between said variable speed shaft and each of said work engaging tools.

2,041,877
DISCONNECTING SWITCH
Joseph S. Thompson, Palo Alto, and Brian E. Menzies, San Mateo, Calif., assignors to Pacific Electric Manufacturing Corporation, San Francisco, Calif., a corporation of California
Application January 10, 1934, Serial No. 706,050
9 Claims. (Cl. 200—48)



1. In a high tension disconnecting switch, the combination of a stationary contact, a switch blade support mounted in spaced relation with said stationary contact, a tubular switch blade pivotally mounted upon said support, a contact member at the end of said switch blade adapted to move into and out of engagement with said stationary contact, a contact pressure producing means opposite the contact member at the end of said switch blade, an operating lever journaled upon said switch blade support for moving said switch blade and its contact member into and out of engagement with said stationary contact and also operating said contact pressure producing means, an operating rod extending through said tubular switch blade and connected

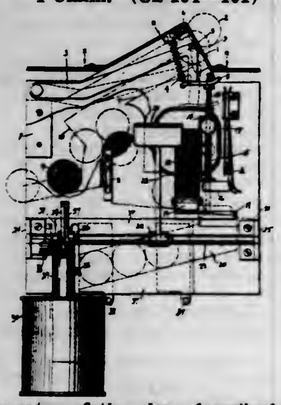
between said contact pressure producing means and said operating lever, a latch carried by said switch blade support and operating upon said rod for preventing an operation of said contact pressure producing means by said lever when the switch blade is in all but its circuit closing position, and means in the path of movement of said switch blade carrying member for releasing said latch and rendering said lever operative through said rod to exert a direct force upon said contact pressure producing means to provide a high pressure contact between said stationary contact and said contact member only when the switch blade is in its circuit closing position.

2,041,878

COIN CONTROLLED APPARATUS

Daniel Troy, Montgomery, Ala., assignor to U-Need-A-Pak Products Corporation, Brooklyn, N. Y., a corporation of New York

Application November 29, 1933, Serial No. 700,210
Renewed October 25, 1935
1 Claim. (Cl. 194—101)



In apparatus of the class described, an anvil, means arranged to guide coins against the anvil, a fence arranged to be cleared by coins of certain resiliency rebounding from said anvil and to stop coins of less resiliency, a runway arranged to be traversed by coins which have cleared said fence, means arranged to produce an alternating magnetic field across said runway strong enough to arrest coins of certain specific conductivity in said runway and to pass coins of less specific conductivity, means for maintaining the magnetic field for a predetermined time, and means controlled by said first named means and operative only while said field is in existence to allow coins which have cleared said fence and traversed said runway to be selectively received.

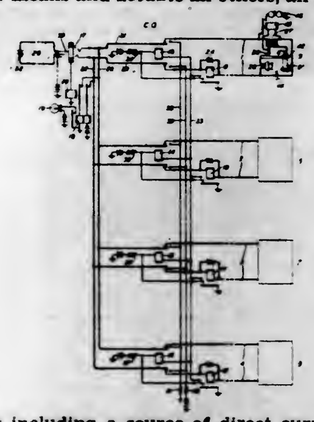
2,041,879

TELEPHONE SYSTEM

Horace W. Ulrich, Newark, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application March 27, 1935, Serial No. 13,205
6 Claims. (Cl. 179—35)

1. In a common battery telephone system, a plurality of subscribers' stations, a line for each station, a common line normally connected to all said station lines in multiple, cut-off means individual to each station line for disconnecting its station line from the common line, other individual means in each station line responsive to currents flowing therein to disable its companion cut-off means and actuate all others, an auxiliary



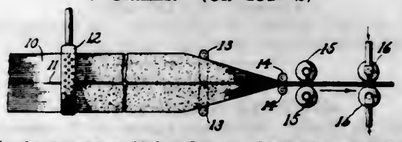
circuit including a source of direct current, and means for connecting said auxiliary circuit to all station lines whose cut-off relays are operated.

2,041,880

CARD FOR STATISTICAL MACHINES AND METHOD FOR MANUFACTURING SAID CARD

Raymond Louis André Valtat, Paris, France, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application March 26, 1932, Serial No. 601,348
In France March 31, 1931
7 Claims. (Cl. 154—2)



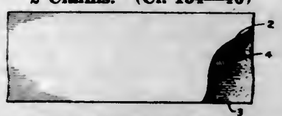
1. As a new article of manufacture, a card for statistical machines consisting of two substantially identical sheets of paper, corresponding faces of the sheets being placed together with their fibres disposed in like direction and an adhesive securing said faces together and forming a card of uniform thickness.

2,041,881

CONTROL CARDS FOR STATISTICAL MACHINES

Raymond Louis Andre Valtat, Paris, France, assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application October 30, 1935, Serial No. 47,357
2 Claims. (Cl. 154—46)



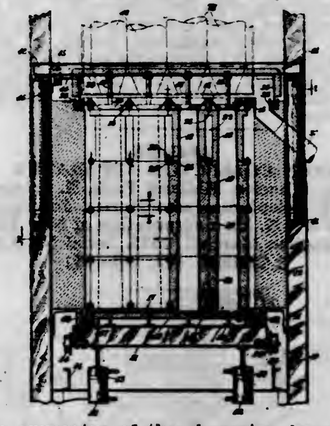
2. A control card having value designations for controlling statistical machines and composed of two or more rigidly united sheets superimposed to cause a defective area of one component sheet which may interfere with control effectiveness of said value designation to be covered and thereby rendered harmless by a non-defective area of another of the component sheets.

2,041,882

RETORT CONSTRUCTION

James N. Vandegrift, New York, N. Y., assignor, by mesne assignments, to Coal Products Company of Delaware, Philadelphia, Pa., a corporation of Delaware

Application March 5, 1931, Serial No. 520,268
13 Claims. (Cl. 202—114)



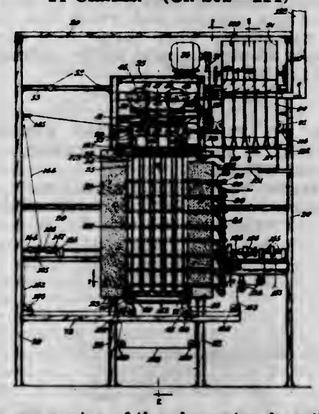
1. In apparatus of the character described, a tubular retort including a tubular body of refractory material adapted to be heated by externally applied hot gases of combustion, said retort being characterized by a sheet of sheet steel shaped into a tube about 5 to 7 inches in diameter as a liner for said tubular body of refractory material, a funnel shaped top of sheet steel for said liner, and a shield member of refractory material of greater diameter than said tubular body for shielding said funnel from hot gases of combustion externally applied to said tubular body of refractory material.

2,041,883

APPARATUS FOR PRODUCING FUEL

James N. Vandegrift and Carl Postel, New York, and Carl V. Linn, Bay Shore, N. Y., assignors, by mesne assignments, to Coal Products Company of Delaware, Philadelphia, Pa., a corporation of Delaware

Application March 5, 1931, Serial No. 520,269
14 Claims. (Cl. 202—114)



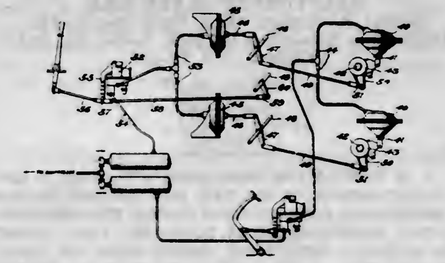
3. In apparatus of the character described having a battery of substantially vertically extending retort tubes and a hood over the top of said battery of retort tubes adapted to collect and conduct away evolved gases and vapors escaping from the upper ends of said retort tubes, the combination comprising stationary means for elevating said hood away from and lowering said hood into position for collecting evolved gases and vapors escaping from the tops of said retort tubes, a horizontally movable battery of preheating tubes, means for coupling said hood to said battery of preheating tubes when said hood is in elevated position, and means for moving said hood and said battery of preheater tubes horizontally with respect to said retort tube battery and to said stationary means for lowering and elevating said hood, to bring said battery of preheating tubes into position for charging material from said preheating tubes into said retort tubes.

2,041,884

BRAKE MECHANISM

Stephen Vorech and Stephen Johnson, Jr., Pittsburgh, Pa., assignors to Bendix Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware

Application June 2, 1932, Serial No. 614,988
4 Claims. (Cl. 303—13)



2. A fluid-pressure braking system comprising a pair of brake operating members, pedal controlled fluid-pressure means for operating said members, a cross shaft, connections including lost motion devices between said cross shaft and members, fluid-pressure means for operating said cross shaft, manual means for controlling said last named fluid-pressure means, and connections including an overrunning connection between said manual means and said cross shaft for operating said brake operating members mechanically in the event of failure of either of said fluid-pressure means.

2,041,885

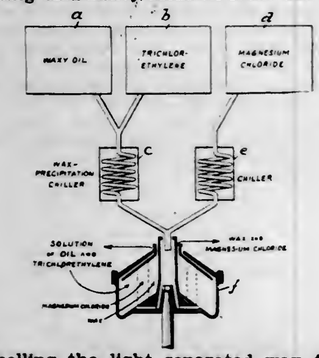
METHOD OF DEWAXING MINERAL OILS

Henri Walch, Paris, France, assignor to Aktiebolaget Separator-Nobel, Stockholm, Sweden, a corporation of Sweden

Application September 5, 1934, Serial No. 742,764
In Germany September 29, 1933
14 Claims. (Cl. 196—19)

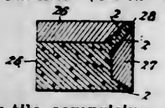
1. In the process of dewaxing mineral oil in which there is added to the oil an oil dissolving agent having a specific gravity higher than that of the heaviest wax constituent of the oil and which is relatively soluble with the oil and is relatively not soluble with the wax and forms with the oil a solution substantially heavier than the wax and in which the mixture is chilled and centrifuged; the modification which comprises adding to the mixture and centrifuging with it another liquid which is relatively insoluble in, and of substantially lower specific gravity than, the heavy

solution of oil and dissoving agent and which, in the centrifugal operation, functions to assist in displacing said heavy solution from the wax and



in expelling the light separated wax from the locus of centrifugation, whereby the loss of oil with the wax is substantially reduced.

2,041,886
REENFORCED SLATE TILE
Ernest B. Walton, West Palm Beach, Fla.
Application November 12, 1935, Serial No. 49,423
2 Claims. (Cl. 72—36)



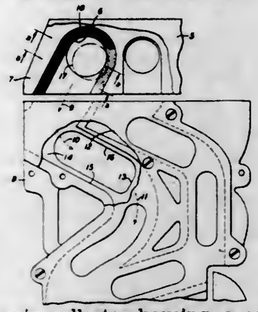
1. A building tile comprising, a backing of hydraulic cement or the like, said backing having embedded in adjacent faces thereof trimmed slate veneer having undercut edges, the slate veneer on adjacent faces being spaced from the intervening edge of the backing whereby to provide an exposed edge of the backing between said slate veneers, said exposed edge of the backing material being substantially coincident with the line of intersection of the planes of the exposed faces of the veneer.

2,041,887
SOAP CHIP DISPENSER
George W. Ward, Buffalo, N. Y.
Application September 6, 1934, Serial No. 742,986
1 Claim. (Cl. 221—104)



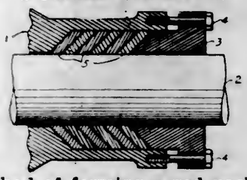
A soap chip dispenser comprising a vertically supported soap chip receptacle having a measuring chamber at the bottom thereof and said chamber having its upper portion provided with an opening which registers with the receptacle and which is provided with an outer discharge opening, a slide valve mounted for movement between the receptacle and the measuring chamber, and comprising upper and lower plates connected at one of their ends, movable across the upper and lower open walls of the measuring chamber, the upper and lower plates of the slide valve having spaced rectangular openings, the opening in the upper plate normally registering with the passage between the receptacle and the measuring chamber and the opening in the lower plate registering with the outer end of the measuring chamber when the valve is moved to one position, a coiled expansion spring, a plunger guided through the receptacle and in which the spring is sleeved and which plunger is secured to the inner face of the connected end of the slide valve.

2,041,888
COIN COLLECTOR APPARATUS
Clyde H. Wheeler, Midland Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 7, 1935, Serial No. 9,700
3 Claims. (Cl. 194—97)



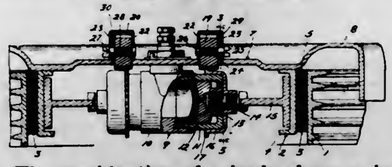
3. In a coin collector housing, a coin channel defined by a front wall, a rear wall and opposed rigid side walls, said front wall having a circular opening therein slightly greater in diameter than the diameter of a standard coin to permit a standard coin to be inserted into said channel, said opening being accessible from outside said housing, said channel defining a coin path which is substantially vertical for a certain distance below said opening and which is subsequently laterally and longitudinally inclined, said laterally and longitudinally inclined portion having an opening for rejecting under-diameter coins, said side walls immediately adjacent said first opening being angularly disposed with respect to said front wall to form a tapered slot which the edge of the coin will engage when thrust in a direction substantially at right angles to its normal path of travel in the channel.

2,041,889
METHOD TO FORM PACKING RINGS BY CRIMPING A PLAIT OF MATERIAL INTO HELICAL WINDS
Harley T. Wheeler, Dallas, Tex.
Application June 12, 1931, Serial No. 543,791
2 Claims. (Cl. 154—2)



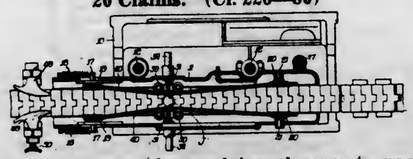
1. A method of forming a rod packing of porous material which comprises the steps of folding a strip of the porous material substantially along its center line to provide a plait having one edge open and the other edge closed by the U-bend of the strip, crimping the strip so that the crimp is maximum at the open side of the plait and varies to a minimum adjacent the closed edge of the plait so that the plait takes a helical configuration and the crimping action forms the open edge with one of the sides of the strip slightly shorter than the other, forcing the helical windings of the plait together into a frusto-conical shape with the shorter side of the strip on the concave side so that both sides will contact the rod to be packed and the U-bend will form a reservoir for seepage.

2,041,890
BRAKE MECHANISM
John William White, Detroit, Mich., assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application January 21, 1935, Serial No. 2,785
3 Claims. (Cl. 188—79.5)



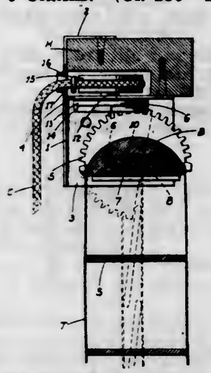
1. The combination of a brake drum, a backing plate, friction means within and engageable with said drum, an actuator for applying said friction means against said drum, said actuator comprising a reciprocable plunger, a screw and a rotatable nut threaded upon said screw and adapted to abut said plunger, said nut being cup-shaped and terminating at its edge in a peripherally toothed annular flange, a rotatably adjustable gear having its teeth meshing with the teeth of said nut, and a resilient detent at an end of said gear having a portion engageable in the interdental spaces.

2,041,891
PACKAGE SEALING APPARATUS
William P. White, Glencoe, Ill., assignor to White Cap Company, Chicago, Ill., a corporation of Delaware
Application February 2, 1933, Serial No. 654,847
20 Claims. (Cl. 226—80)



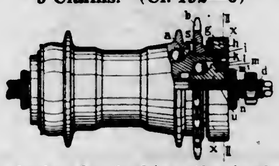
1. In apparatus for applying closures to packing containers, in combination, conveyor means for moving packing containers progressively in a series, cap-supporting means arranged to present and support closure caps for engagement by the moving containers, holding belts arranged to travel along opposite sides of the path of the containers and adapted to grasp and support the successive containers between them, guide means cooperating with the holding belts adjacent the cap-supporting means to hold the belts firmly in engagement with the containers in order to support the containers against tilting incident to the transfer of caps to them from the cap-supporting means, and means for driving the holding belts.

2,041,892
VENETIAN BLIND CONTROL MECHANISM
Martin L. Wiener and Walter F. Nelsen, San Leandro, Calif., assignors to Ry-Lock Company Ltd., San Leandro, Calif., a corporation
Application April 27, 1935, Serial No. 18,552
9 Claims. (Cl. 156—17)



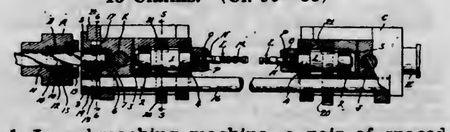
1. In a Venetian blind, a tilt rail, a spur gear fixed to said rail at one end thereof, means pivotally supporting said gear, a worm mounted above the gear on a vertical axis and comprising a flat horizontal disc and depending spiral overlapping ridges thereon forming gear engaging teeth, and means to rotate said worm.

2,041,893
FREEWHEEL HUB WITH COASTER BRAKE AND BRAKE-LOCKING DEVICE
Franz Winkler, Schweinfurt, Germany
Application June 13, 1935, Serial No. 26,347
In Germany June 16, 1934
5 Claims. (Cl. 192—6)



1. In a device for locking the brake member of a free-wheel coaster hub actuated by driver, the combination with a driver, of concentric members revoluble with the driver, and stationary clamping means adapted to couple said members to non-rotatable parts of the hub.

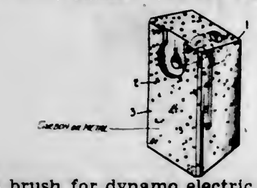
2,041,894
BROACHING MACHINE
George F. Yager and Oliver J. Heath, Toledo, Ohio, assignors to The Bunting Brass and Bronze Company, Toledo, Ohio, a corporation of Ohio
Application October 2, 1933, Serial No. 691,878
13 Claims. (Cl. 90—33)



1. In a broaching machine, a pair of spaced longitudinally movable crossheads, opposed pairs of rotatable broaches carried by said crossheads, a single spiral follower for the opposed pairs of

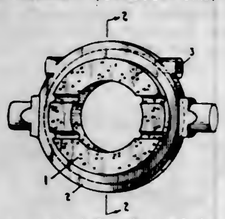
broaches, and a common drive for said opposed pairs of broaches actuable by said spiral follower, including rotatable means spanning the space between the spaced crossheads.

2,041,895
BRUSH FOR DYNAMO-ELECTRIC MACHINES
Arthur S. Bemis and Millard S. May, St. Marys, Pa., assignors to Speer Carbon Company, a corporation of Pennsylvania
Application April 4, 1934, Serial No. 718,936
7 Claims. (Cl. 171—325)



4. A brush for dynamo electric machines containing coarse particles of graphite and a carbon matrix and a binder holding said particles and carbon matrix together, said coarse particles consisting of finer particles of graphite held together by a binder other than the first mentioned binder.

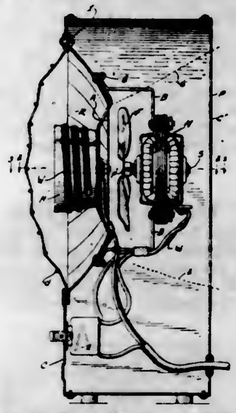
2,041,896
CARBONACEOUS BEARING MATERIAL
Bert H. McQueer, Saint Marys, Pa., assignor to Speer Carbon Company, a corporation of Pennsylvania
Application May 16, 1934, Serial No. 726,010
4 Claims. (Cl. 308—242)



1. A bearing material adapted to hold lubricating fluid, consisting of fine particles of graphite and amorphous carbon, porous spots of graphite materially larger than said particles, said spots consisting of graphite powder held together by a porous graphitized binder, and a porous amorphous carbon binder holding said particles and said spots together whereby the said spots can absorb lubricating fluid when the bearing material is in contact therewith.

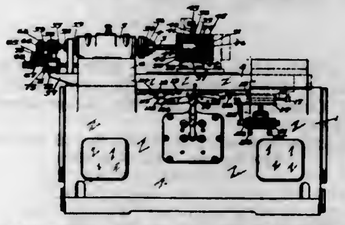
2,041,897
FAN-HEATER
Bernhart A. Benson, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application August 31, 1935, Serial No. 38,830
16 Claims. (Cl. 219—39)

1. A fan heater comprising an annular and forwardly concaved reflector having a substantially unobstructed bore; an electric heating unit substantially housed by the reflector, the said unit comprising a tubular body coaxial with the reflector and of smaller exterior diameter than the bore of the reflector, the said body having its rear end generally freely spaced from the said reflector bore, and a high resistance wire supported on the periphery of the said body; and an electric fan disposed behind coaxial with the reflector for blowing air through the bore of the reflector and through the bore of the heating unit; the fan including a bladed member freely spaced rear-



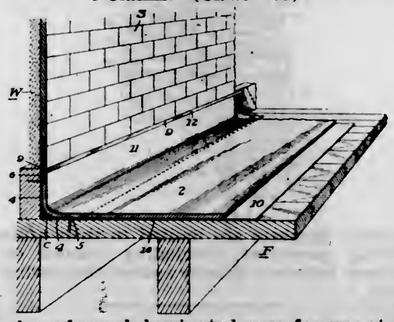
wardly from both the reflector and the said body and rotating about the axis of the reflector, and presenting the major part of the area of each of its blades behind the space between the bore of the reflector and the rear end of the said tubular body.

2,041,898
SIZE CONTROLLING MECHANISM FOR BORING MACHINES AND THE LIKE
Harold L. Blood, Worcester, Mass., assignor to The Heald Machine Company, Worcester, Mass., a corporation of Massachusetts
Application March 10, 1932, Serial No. 598,035
23 Claims. (Cl. 77—3)



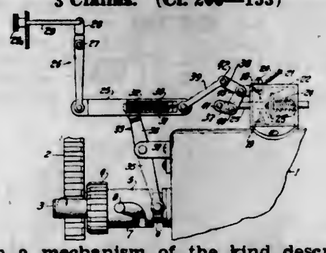
1. In a machine for the machining of one surface of each of a plurality of workpieces successively to a predetermined dimension, a fixed cutting tool and a workholder providing for rotation of a workpiece positioned therein, means to procure a cutting operation on each successive workpiece, said operation involving a single longitudinal movement of the tool over the surface of the workpiece and subsequent withdrawal of the cutting tool from said workpiece, work-calipering means operative upon the withdrawal of the tool from the workpiece, and means under the control of said work-calipering means and responsive to the relative withdrawal movement of said tool from said workpiece and operative only when the workpiece is not reduced to the desired dimension as indicated by the calipering means for procuring a compensatory movement of the cutting tool relative to the workholder when the workpiece is not reduced to the predetermined dimension.

2,041,899
COVE CONSTRUCTION FOR USE WITH FLOOR OR WALL COVERINGS AND THE LIKE
Norman A. Brand, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application August 1, 1931, Serial No. 554,500
8 Claims. (Cl. 20—74)



3. A preformed, laminated cove for use at the junction of two room surfaces comprising a strip of relatively flexible sheet metal bent to provide skirts adapted to lie along such surfaces with an intermediate curved portion, and a facing of a covering material of the linoleum-felt base type adhesively secured to said strip, the cove having sufficient flexibility to conform to irregularities in the room surfaces.

2,041,900
STARTER MECHANISM
William T. Carle, Chicago, Ill., assignor to Roy G. Fulcher, Chicago, Ill.
Application May 7, 1934, Serial No. 724,325
3 Claims. (Cl. 200—153)



1. In a mechanism of the kind described, a motor controlling switch including fixed and movable contacts, a stem carrying the movable contact, a manually movable main actuating member, a toggle link mechanism connecting said stem and said actuating member and operating in the initial part of the movement of the actuating member in one direction to move the movable contact into engagement with the fixed contact, and a second actuating member operated by the motor and so connected to the main actuating member as to impart the final part of the movement thereto to cause the toggle link mechanism to lock said stem in a position holding said contacts in engagement.

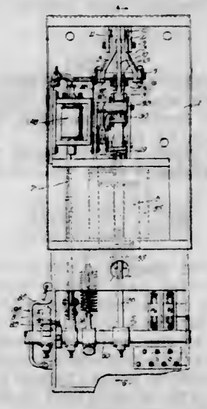
2,041,901
MANUFACTURE OF SOLES
James Cavanagh, Cohasset, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 17, 1934, Serial No. 757,834
6 Claims. (Cl. 36—22)

1. That improvement in methods of making soles which are relatively flexible about transverse axes and relatively inflexible about longitudinal axes which consists in grooving one side of a sole in a crosswise direction, and applying stiffening material to those portions only of the sole which constitute the walls of the grooves.



4. A sole having a plurality of grooves extending across it, the walls of the grooves being reinforced throughout their length by stiffening material.

2,041,902
SWITCH OPERATING MECHANISM
Fred H. Cole, Oak Park, Ill., assignor to The Delta-Star Electric Company, Chicago, Ill., a corporation of Illinois
Application July 28, 1932, Serial No. 625,429
8 Claims. (Cl. 200—50)

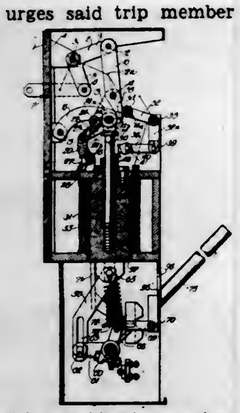


1. In combination with two sets of switch operating mechanisms each of which includes individual tripping means, a common operating member operable in one direction from a normal inoperative position for operating one mechanism to switch closing position and in the opposite direction from said normal position for operating the other mechanism to switch closing position, and means responsive to the operation of the operating member in one direction from said normal position for first actuating the tripping means of the mechanism that is actuated by the opposite operation of the operating member prior to operation of the switch closing mechanism.

2,041,903
SWITCH OPERATING MECHANISM
Fred H. Cole, Glendale, Calif., assignor to The Delta-Star Electric Company, Chicago, Ill., a corporation of Illinois
Application February 5, 1934, Serial No. 709,753
23 Claims. (Cl. 200—89)

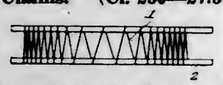
1. A circuit-interrupter operating mechanism comprising an operating member, an operated member, means including an underset toggle connecting the said members, a latch pivoted to a fixed support for maintaining the operating member against retraction from its switch closed position, a trip member pivoted to a fixed support and having locked abutting contact with the toggle for maintaining the toggle against breaking, and means for unlocking said trip member whereby

said toggle urges said trip member to toggle-



releasing position, said trip member being normally biased toward toggle locking position.

2,041,904
GRID CONSTRUCTION
James H. Cone, Roseland, N. J., assignor to National Union Radio Corporation, Newark, N. J., a corporation of Delaware
Application April 4, 1931, Serial No. 527,649
7 Claims. (Cl. 250—27.5)



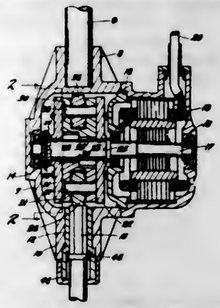
1. An electron discharge device comprising an anode, an emitter and a grid surrounding the emitter within the anode, said grid being a control grid and having a wider mesh at the central portion than at the ends, the mesh of the two halves of said grid being complementary with respect to the central point thereof and the spacing n of the turns of each half being determined by the following formula:

$$n = K_1 + K_2\left(\frac{N}{2}\right)^a$$

where
K_1=space between wire for first turn
K_2=empirical constant
N=number of turns from end of grid
a=constant exponent
said spacing giving the tube a mutual conductance-grid bias curve which is practically a straight line when plotted on semi-log paper.

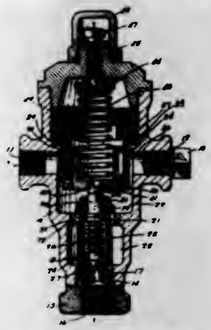
2,041,905
IMPACT IMPLEMENT
John Marshall Crowe, Covington, Ky.
Application January 28, 1935, Serial No. 3,813
6 Claims. (Cl. 125—33)

1. In an impact or percussion implement, the combination of a power actuated rotatable driving element, a carriage having a radially disposed way and supported for rotation with said driving element, an anvil mounted for reciprocatory movement toward and from the carriage, a pair of opposed hammer members for striking the anvil, said hammer members being considerably narrower than the way of the carriage and disposed therein for shifting movement both longitudinally and laterally of the way, a pair of spaced ears on each hammer member, which ears extend about the driving element in opposite directions, a coupling means carried by each ear, cooperative coupling means carried by the carriage and providing a loose connection of the carriage with the ears of the hammer members whereby the



hammer members are limited in their aforesaid shifting movement, precluding rebound of the hammer members directly against the driving element.

2,041,906
VALVE
Walter Czarnecki, Eddington, Pa., assignor to Eddington Metal Specialty Co., Eddington, Pa., a corporation of Pennsylvania
Original application December 24, 1934, Serial No. 758,962. Divided and this application July 15, 1935, Serial No. 31,312
4 Claims. (Cl. 277—20)

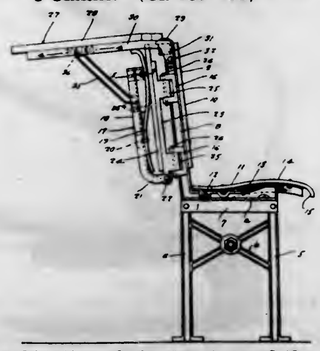


1. In a relief valve of the character described, a sleeve, a bushing carried by the sleeve, a valve member slidable in said sleeve, and a valve member carried by said bushing and slidable therein, said valve members being in abutting engagement and having valve tips at their ends which are remote from the abutting engagement.

2,041,907
COLORED CELLULOSE MATERIAL
Henry Dosne, Mulhouse, France
No Drawing. Application July 17, 1933, Serial No. 680,897. In Germany August 19, 1932
5 Claims. (Cl. 18—54)

1. A process for manufacturing colored cellulose material, which consists in adding to an alkali cellulose-xanthogenate solution in any phase previous to coagulation a solution of an ester salt of a leuco vat dyestuff, performing the coagulation in a known manner and developing the dyeing in the regenerated cellulose by acid oxidation.

2,041,908
COMBINATION DESK AND SEAT
William W. Drummey, Boston, Mass.
Application February 18, 1935, Serial No. 7,095
3 Claims. (Cl. 155—33)



1. A combination chair structure of the character described comprising a main seat and back, a desk top hingedly connected at one end to the upper portion of the rear side of the main back to permit vertical swinging of said desk top, a foldable auxiliary seat structure including a hingedly connected seat and back, a hinged connection between one vertical edge of the auxiliary back and one vertical edge of the main back, said desk top being provided with means engageable with the auxiliary seat when disposed to a folded position behind the main back for holding the auxiliary seat structure in folded position and supporting itself in useful position.

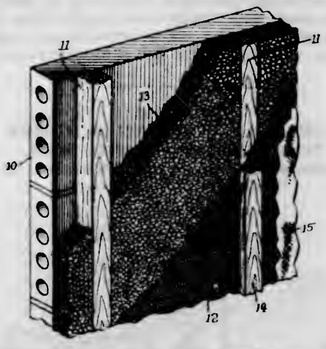
2,041,909
MEANS FOR BARBER POLE ILLUMINATION
John R. Emmert, Berwyn, and Arthur H. Schwades, Chicago, Ill., assignors to Emil J. Paidar Company, Chicago, Ill., a corporation of Illinois
Application April 13, 1934, Serial No. 720,374
7 Claims. (Cl. 40—126)



1. As an article of manufacture, a strip of cellulose acetate having alternately disposed stripes of translucent coloring matter thereon, and masking stripes of relatively highly pigmented material overlying the marginal portions of the translucent stripes.

2,041,910
HEAT AND SOUND INSULATION
Richard Ericson, Chicago, Ill., assignor to Universal Insulation Company, Chicago, Ill., a corporation of Illinois
Application April 3, 1935, Serial No. 14,399
7 Claims. (Cl. 72—17)

1. The process of forming an insulating structure consisting in confining loose granular insulating material in place by a reticulated member and then treating said restrained material with a liquid bonding agent capable when dry



of holding the particles of insulating material in substantially fixed relation to one another.

2,041,911
HEAT INSULATION
Richard Ericson, Chicago, Ill., assignor to Universal Insulation Company, Chicago, Ill., a corporation of Illinois
Application May 25, 1935, Serial No. 23,471
6 Claims. (Cl. 154—44)



1. In a heat-insulating system for a conduit, the combination of a casing adapted to be positioned around the conduit at a distance therefrom and to accommodate a body of flowable solid heat-insulating particles occupying the space between the conduit and the casing, and a supplemental chamber adapted to accommodate a reserve supply of the heat-insulating material in direct communication with the interior of the casing, whereby the material from said supplemental chamber may feed by gravity into said casing to compensate for the settling of the heat-insulating material therein.

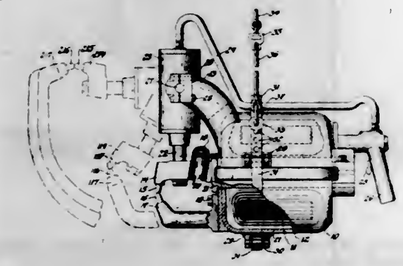
2,041,912
CLOSURE CAP FOR RECEPTACLES AND METHOD OF MAKING THE SAME
Edward H. Fabrice, Chicago, Ill., assignor to Guardian Safety Seal Company, Chicago, Ill., a corporation of Illinois
Application May 3, 1934, Serial No. 723,645
5 Claims. (Cl. 215—46)



1. A sheet metal closure cap for receptacles having a skirt portion equipped with an annular

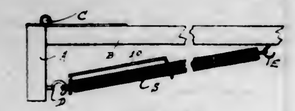
metal thinning and weakening depression in one face only thereof, said depression presenting a rounded bottom wall, and a pair of annular ribs bordering said depression and constituting thickened portions of the metal resulting from displacement of metal from the said depression.

2,041,913
PORTABLE WELDING MACHINE
Peter W. Fassler, Detroit, Mich.
Application May 15, 1935, Serial No. 21,513
4 Claims. (Cl. 219—4)



1. In a portable welding machine, a main body portion, a pair of electrodes one of which is movable, and means for swingably supporting one of said electrodes about an axis fixed with respect to the main body portion, the other of said electrodes being removably secured to the main body portion and being replaceable by like electrodes of different length and conformation whereby to permit said welder to accommodate different angular positions of said swingable electrode with respect to the main body portion.

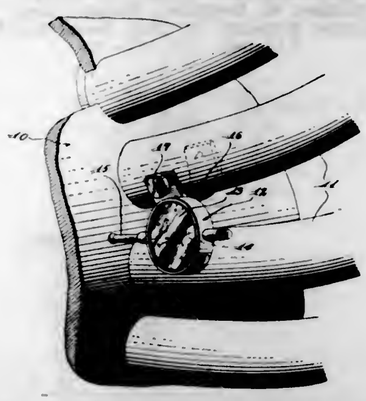
2,041,914
SPRING PROTECTOR
Arthur M. Ferrin, Eden, Utah
Application March 9, 1936, Serial No. 67,754
4 Claims. (Cl. 16—72)



4. A spring guard comprising, a flat strip of metal having the ends bent out at an angle to the body one end to be secured to the spring and the other end to be slidably carried on said spring, the entire guard to bend with said spring.

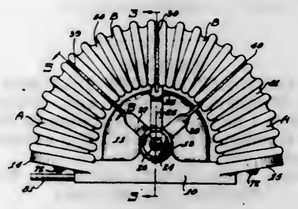
2,041,915
METHOD OF JOINING TUBES TO HEADERS
Frank F. Fisher, Detroit, Mich.
Application October 31, 1932, Serial No. 640,524
11 Claims. (Cl. 153—82)

1. The method of securing a tube in a tube hole which consists in expanding the tube in the tube hole until the outer surface of the tube contacts firmly with the inside surface of the tube hole, further expanding the tube in the tube hole after said firm contact has been effected, measuring the elongation of the tube incident to said further expanding thereof, and discontinuing the



further expansion of the tube when the elongation thereof measures a predetermined amount.

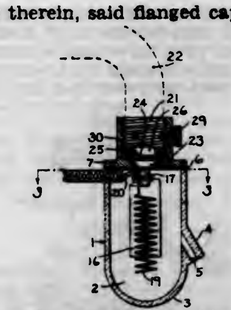
2,041,916
FLUID PRESSURE MOTOR
Forrest Floyd T. Flint, Detroit, Mich., assignor of one-half to Willard Ewart, Detroit, Mich.
Application May 20, 1935, Serial No. 22,456
3 Claims. (Cl. 121—48)



2. A fluid pressure motor of the character described including a casting presenting a pair of spaced surfaces, a pair of extensible and collapsible tubes each having one end secured to one of said surfaces respectively and each tube having a closed moveable end, said moveable ends being secured together and the tubes being bent to form substantially a semi-circular structure, said closed ends and said surfaces and said tubes cooperating in forming two working chambers, means including an automatically operated quick acting valve mechanism for alternately placing said chambers respectively in communication with operating pressure, a power take-off shaft and means secured to the moveable ends of said tubes and to said shaft for guiding said tube ends and for oscillating said shaft.

2,041,917
INSTANTANEOUS WATER HEATER
Irving Fierman, New York, N. Y.
Application September 30, 1932, Serial No. 635,676
9 Claims. (Cl. 219—39)

1. In an instantaneous water heater, an electrical and heat resisting flanged cup provided with an angularly arranged outlet, a flanged cap fixed to said cup, said cup carrying a water heating element therein, said flanged cap carrying a



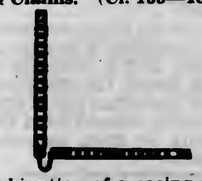
water filter, and means for attaching said cap to a conventional faucet.

2,041,918
SPINNING AND DOUBLING MACHINE
Willy Freund, Chemnitz, Germany
Application March 29, 1934, Serial No. 717,924
In Germany April 1, 1933
7 Claims. (Cl. 118—9)



1. A yarn spinning and doubling machine comprising a rotary spindle, yarn controlling projections rotating with the spindle for guiding the yarn in spiral coils prior to the winding of the yarn on the spindle, in combination with a yarn brake provided on the machine for placing a drag on the yarn and thereby causing the rotary spindle to draw the yarn past the said projections.

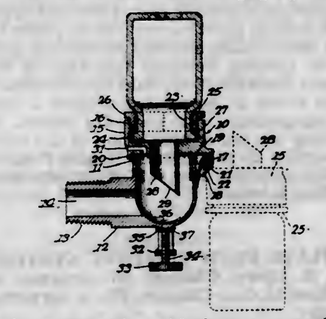
2,041,919
COVERING FOR SEATS OR CUSHIONS
George H. Gaston, Houston, Tex.
Application July 18, 1934, Serial No. 735,753
4 Claims. (Cl. 155—182)



1. The combination of a casing with seat cooling elements each having a rigid marginal frame, the casing comprising, a back section and a seat section hinged together, each section including portions forming a pocket having an open end receiving one of said seat cooling elements, and a flap secured to one of the portions of each section closing the open end of said pocket and being of such length as to be folded around one edge of the frame of the cooling element within the pocket, the end of said flap extending between the frame and a wall of the pocket, whereby the open ends of the pocket are closed and the flaps retained in a closed position by the pressure of frame of the cooling element against the flaps.

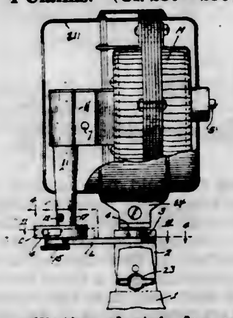
2,041,920
LUBRICATOR
Remi J. Gits, Riverside, Ill.
Application November 7, 1933, Serial No. 697,058
5 Claims. (Cl. 184—103)

1. In a lubricator, a closure having hinged lugs at one side thereof, a transparent reservoir secured to said closure, said reservoir having a reduced end provided with a flange on its lower portion, a sectional collar engaging the reduced portion of said reservoir, said collar having screw threads on its lower end engaging internal



threads in a recess in said closure, a gasket between the bottom of said recess and the lower end of said reduced portion, a gasket between said collar and said flange, and spring means for normally holding said closure in closed position.

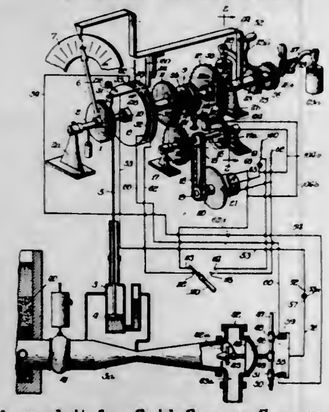
2,041,921
ADJUSTABLE MECHANISM FOR OSCILLATING ELECTRIC FANS
James J. Gough, Chicago, Ill., assignor to Chicago Electric Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application June 3, 1935, Serial No. 24,696
4 Claims. (Cl. 230—256)



1. In an oscillating electric fan of the class in which a motor and fan assembly is oscillable as a unit upon a supporting member about an upright axis, in which the said unitary assemblage includes an upright shaft rotated by the motor conjointly with the fan, in which a link is pivoted at one end to the supporting member for oscillation about an upright axis spaced from the axis of the said shaft, adjustable oscillation-effecting means consisting solely of: a crank member fast upon the lower end of the upright shaft, the crank member having a downwardly open groove diametric of and extending across the axis of the upright shaft, and having integral opposed ledges extending part way toward each other from the lower portions of the side walls of the said groove; a slidable element seated upon the said ledges and slidably fitting the said groove; and an upright screw extending upwardly between the said ledges and threaded into the slidable element, the screw having a shoulder normally in upward engagement with the said ledges to clamp the slidable element to the crank member; the said element being slidable, from a position in which the

axis of the screw alines with the axis of the upright shaft, to a position in which the axis of the screw is considerably spaced from the axis of the upright shaft; the screw also having a shank portion disposed below the crank member, on which shank portion the other end of the link is pivoted; the last named pivoting serving to cause the link to slide the slidable element in the said groove to vary the spacing between the axis of the said screw and the axis of the said upright shaft while the said screw is loosened to release it from upward engagement with the said ledges, thereby permitting the arc of oscillation of the motor and fan assembly to be adjusted to and from zero by manually rotating the said assembly about the supporting member.

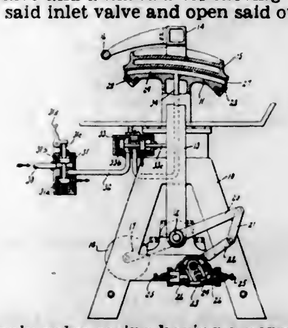
2,041,922
FLUID FLOW CONTROL SYSTEM
Walter H. Green, Chicago, Ill., assignor to General Zeolite Co., Chicago, Ill., a corporation of Illinois
Application June 13, 1935, Serial No. 26,458
20 Claims. (Cl. 137—152.5)



1. A conduit for fluid flow, a flow controlling valve on said conduit, a member adapted to be positioned by and to indicate the flow through said conduit, a second member adapted to be positioned according to flow desired through said conduit, means comprising a third movable member associated with said first two movable members whereby on motion of said indicative member beyond predetermined limits relative to the said third member said valve will be repositioned, and means whereby when said second member has been positioned to a new rate of flow said third member will be caused to move at a relatively slow rate to a corresponding new position.

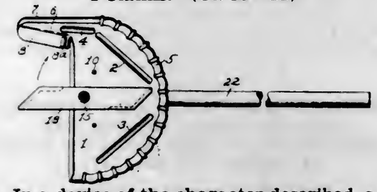
2,041,923
PRESSING MACHINE
Angus F. Hanney, Norwood, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application January 11, 1935, Serial No. 1,330
1 Claim. (Cl. 68—9)

In a pressing machine, a frame, a pressing bed on said frame, a coacting pressing head, manually operable mechanism on said frame for moving said head into and out of registry with said bed, and fluid actuated means for moving the pressing surface of said bed into engagement with said head when the latter is in registry, said means including fluid supply conduit means having a release valve casing and a supply valve casing in series therein, said release valve casing having a normally open inlet valve and a normally closed outlet valve and a manual for moving said valves to close said inlet valve and open said outlet valve,



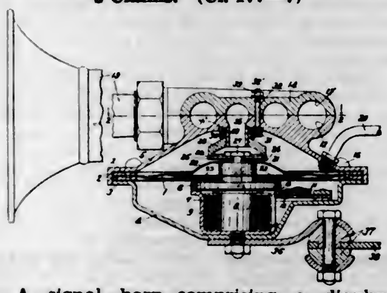
said supply valve casing having a normally closed inlet valve and a normally open outlet valve, and said valves in said supply valve casing being arranged to be actuated by said mechanism when said head moves into registry to open said normally closed inlet valve and to close said normally open outlet valve.

2,041,924
HEDGE TRIMMER
Louis O. Hanson, Waterloo, Iowa, assignor of one-half to Hans T. Borsheim, Waterloo, Iowa
Application June 22, 1934, Serial No. 731,810
Renewed October 18, 1935
4 Claims. (Cl. 30—11)



1. In a device of the character described, a supporting device including a handle and a shield mounted thereon, and a rotatable blade device mounted on the shield, the shield having at one side a forwardly projecting guide with an oblique deflecting projection spaced from the blade and slanting inwardly to draw material being cut toward the blade.

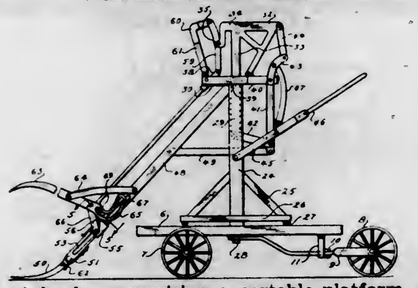
2,041,925
ELECTRIC VACUUM HORN
Harry C. Heath, San Francisco, Calif.
Application July 18, 1932, Serial No. 623,143
3 Claims. (Cl. 177—7)



1. A signal horn comprising a diaphragm mounted within a chamber, an inwardly opening

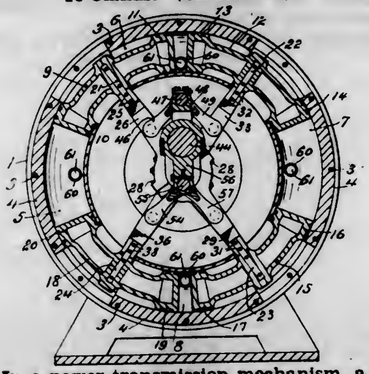
valve disk normally closing the opening from the chamber to said horn and connected to said diaphragm for simultaneous operation therewith, a horn opening out from the chamber, electrically operated means for vibrating said diaphragm, and vacuum creating means connected to said chamber arranged for causing a suction impulse through said horn upon vibration of the diaphragm, said diaphragm being perforated for balancing the pressure between its opposite sides.

2,041,926
HAY LOADER
Berg Herwander, Wamsley, Ontario, Canada
Application April 20, 1933, Serial No. 667,066
In Canada June 20, 1932
7 Claims. (Cl. 214—140)



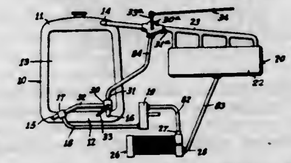
1. A loader comprising a portable platform, a swivelling tower on said platform, a braced base work therefor, rollers supporting said base work of said tower, a vertically swinging arm hinged in the top of said tower, load engaging jaws extending from the free end thereof, a manually operated lever for hinging said arm, a member hinged also in the top of said tower in axial alignment with said arm, and means connecting said lever and said member and said member and said jaws whereby said jaws are controlled on the operation of said lever.

2,041,927
POWER TRANSMISSION MECHANISM
Otto Heumader, St. Joseph, Mo.
Application August 27, 1934, Serial No. 741,553
16 Claims. (Cl. 192—58)



1. In a power transmission mechanism, a revoluble liquid containing casing having an arcuate cylinder concentric with the axis of said casing and provided with a port communicating with the interior of the casing, a valve for closing said port, two rotary members one attached to and revoluble with said casing, a piston reciprocative in said cylinder, and means connected with said piston and the other rotary member which causes the piston to reciprocate when one of said members is revolved and the other member is idle and said valve is open, and which effects rotation of one of said members when the other member is revolved and said valve is closed and the piston is held by liquid in said cylinder from reciprocating.

2,041,928
MULTIFLOW COOLING SYSTEM
Frederic W. Hild, Los Angeles, Calif.
Application August 14, 1931, Serial No. 557,082
17 Claims. (Cl. 123—196)



1. In a cooling system for an internal combustion engine having a crankcase oil pan, an oil cooler suspended from and supported by the engine frame independently of said oil pan, said oil cooler comprising two outlet compartments and a plurality of conduits immersed in the lubricating oil in said crank case oil pan, the ends of said conduits terminating in the two outlet compartments so that cooling fluid entering one compartment flows through all of said conduits into the other outlet compartment in thermal association with said oil.

2,041,929
ROOF CLEAT AND GUARD
Julius G. Hitzman, St. Louis, Mo.
Application September 26, 1935, Serial No. 42,322
10 Claims. (Cl. 108—6)

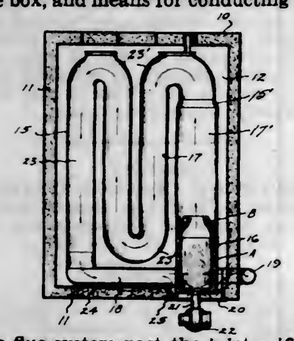


1. The combination with a gravel roof including a deck, a felt layer supported on the deck with one edge thereof overhanging an edge of the deck and inclined downwardly to provide a drip, and a layer of gravel combined with pitch secured to the felt layer; of a combined cleat and gravel guard secured to the deck adjacent said drip for securing the felt layer to the deck and preventing gravel being washed over said drip, and means associated with said combined cleat and guard for protecting said drip.

2,041,930
BAKING OVEN
Louis D. Houlis, Seattle, Wash.
Application September 7, 1934, Serial No. 743,045
5 Claims. (Cl. 107—59)

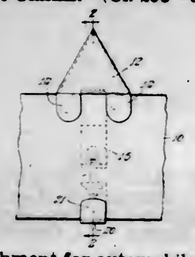
1. A heating unit for an oven comprising, a refractory firebox having an inlet orifice at one end and a reduced frusto-conical outlet at its other end, means for injecting fuel into the box through the inlet opening, a metal flue connected with the outlet end of the box for receiving and circulating the hot combustion gases through an

oven, the reduced frusto-conical end of the box preventing the hot gases from contacting the metal wall of the flue immediately upon release from the box, and means for conducting the gases



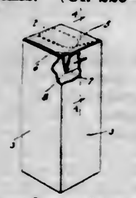
from the flue system past the inlet orifice of the firebox, whereby portions of these gases which have been cooled by circulation are sucked into the firebox and reheated and recirculated.

2,041,931
BUMPER ATTACHMENT
Adolph Hunziker, Jr., Chicago, Ill.
Application September 5, 1933, Serial No. 688,091
10 Claims. (Cl. 293—55)



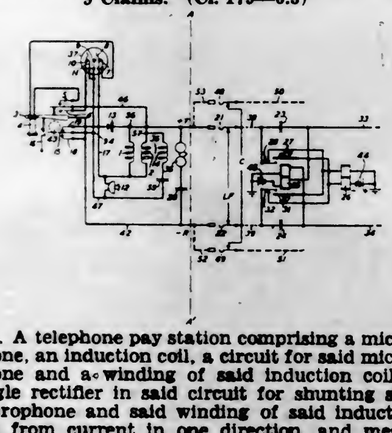
1. An attachment for automobile bumpers comprising a spur adapted to be mounted on a cross-bar of a bumper, including a plate having transversely spaced integral lugs extending downwardly intermediate its ends for engaging said cross-bar, the upper end of said plate being provided with a pointed surface and the opposite end with a projecting member, and means engaging said projecting member for securely fastening the plate to the cross-bar.

2,041,932
SEALED CARTON
Henry Arthur Hutchins, Jr., Darien, Conn., assignor to National Union Radio Corporation, Newark, N. J., a corporation of Delaware
Application February 6, 1935, Serial No. 5,196
2 Claims. (Cl. 229—47)



I. A sealed carton formed from a blank having side walls defined from each other by score lines, closing end flaps some of which are cut-out sections and others defined by score lines, a glue lap defined from one side wall by a score line and glued to the edge of an associate side wall on its underface, one of said cut-out sections on each end having score line defining portions adapted to form a retuck when reversely folded along said score lines, the outer fold of said retuck flap being folded inwardly and seated against the adjacent side wall and stitched separately thereto, whereby removal of the article contained within the carton is impossible without tearing the stitching.

2,041,933
TELEPHONE SYSTEM
Alfred Hartwell Inglis, Orange, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application August 16, 1934, Serial No. 740,194
9 Claims. (Cl. 179—6.3)



1. A telephone pay station comprising a microphone, an induction coil, a circuit for said microphone and a winding of said induction coil, a single rectifier in said circuit for shunting said microphone and said winding of said induction coil from current in one direction, and means for eliminating said rectifier from said circuit to allow passage of current in said direction through the microphone and said winding of said induction coil.

2,041,934
SPINDLE BEARING
Francis E. Kelley, Providence, R. I., assignor to Easton and Burnham Machine Company, a corporation of Rhode Island
Application December 24, 1934, Serial No. 759,033
5 Claims. (Cl. 308—150)



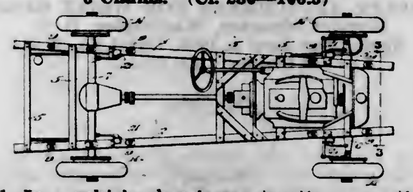
2. In combination, a spindle having a blade, a bolster casing, a bolster in said casing for rotatably receiving said blade and comprising a lower bearing step having a bore for the reception of the end of the blade, and a collar about said bore with a shoulder outwardly therefrom, an upper bearing having a bore for the reception of the blade and a larger bore concentric therewith extending a short distance into said bearing at one end thereof and a shell fitting over said collar and into said larger bore to connect said step and bearing together.

2,041,935
FRICTION BRAKE
Edward A. Kliewer, Longview, Tex., assignor of one-half to R. W. Fair, Tyler, Tex., and one-sixteenth to Delta Drilling Company, Longview, Tex.
Application December 8, 1934, Serial No. 756,658
1 Claim. (Cl. 188—78)



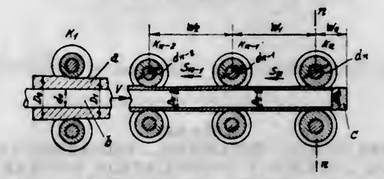
In a vehicle brake, the combination comprising a brake band having a smooth inner periphery, a lining element composed of a single piece of heat resisting material having a smooth outer surface conforming to the inner periphery of said band and affixed thereto, the inner surface of said lining element having equidistantly spaced grooves circumferentially disposed around the same, a brake drum having a circumferentially corrugated annular flange, the corrugations of which correspond to the grooves of said lining element and a second lining element having circumferential grooves corresponding to the corrugations of said drum flange in a like manner to said first lining element, said elements and said flange being in concentric relationship whereby expansion and contraction of the lining elements will effect frictional engagement thereof with the said drum flange.

2,041,936
VEHICLE CHASSIS
Edward A. Kliewer, Longview, Tex., assignor of one-half to R. W. Fair, Tyler, Tex.
Application December 8, 1934, Serial No. 756,659
6 Claims. (Cl. 280—106.5)



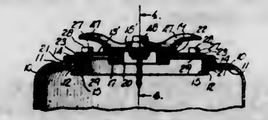
1. In a vehicle chassis construction, a section carrying the wheels of said vehicle, a section secured to the body thereof arranged to receive said first section, resilient means interposed between said sections to absorb shocks imposed vertically upon said first section, means at either end of said sections to absorb shocks imposed longitudinally upon said sections and means for maintaining a lubricating medium within said sections.

2,041,937
TUBE ROLLING PROCESS
Károly Korbuly, Csepel, Hungary, assignor to Alfina Immobilien-Finanzierungs- & Verwaltungs A. G., Glarus, Switzerland
Application October 23, 1935, Serial No. 46,402
In Austria October 27, 1934
2 Claims. (Cl. 80—62)



1. A process for the manufacture of seamless metal tubes in which the blank, mounted on a mandrel is reduced by means of reducing passes, consisting of loose rollers, in one operation to at least ⅓ of the cross-section of the blank, characterized in that reduction takes place in passes disposed in series and in a number at least equal to the reduction factor, in which passes the ratio between the roll diameter and pass diameter increases successively from the largest reducing pass to the smallest reducing pass and characterized in that the trough diameter of the rolls in the largest reducing pass is at least 0.3 times and in the smallest reducing pass is at the most 2.5 times the internal diameter of the respective pass.

2,041,938
PRESSED STEEL COVER FOR DOMES
Andrew A. Kramer, Kansas City, Mo.
Application July 23, 1932, Serial No. 624,216
6 Claims. (Cl. 220—24)

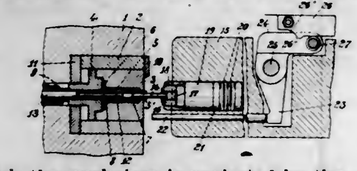


1. A seamless sheet metal cover member of the character described having a body portion provided with a doubled peripheral portion providing a laterally extending integral flange thereon, said doubled portion terminating in an annular portion spaced inwardly from the periphery of said cover portion and providing an integral flange extending perpendicularly to said doubled portion, said body portion having an opening therein and a closure for said opening.

2,041,939
METHOD OF AND MEANS FOR FORMING METAL ARTICLES, MORE PARTICULARLY BOLT HEADS OR THE LIKE, BY UPSETTING
Joseph Kuhne, Dusseldorf-Heerdt, Germany, assignor of one-half to Henriette Kuhne, Dusseldorf-Heerdt, Germany, and one-half to firm Kuhne Gesellschaft mit beschränkter Haftung, Dusseldorf, Germany
Application April 5, 1935, Serial No. 14,856
In Germany September 2, 1933
9 Claims. (Cl. 10—27)

1. In the method of shaping workpieces by upsetting in which a workpiece is partly enclosed in a counter die and the projecting portion of the workpiece is shaped by an upsetting forming die, the workpiece being during the upsetting operation gradually projected by the counter die,

the improvement consisting in increasing towards the end of the upsetting operation the rate at



which the workpiece is projected by the counter die.

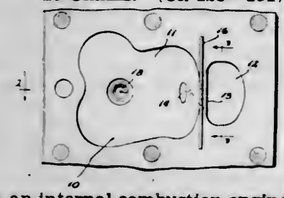
2,041,940

COMBUSTION CHAMBER CONSTRUCTION FOR INTERNAL COMBUSTION ENGINES

Fred Luker, Detroit, Mich.

Application February 19, 1934, Serial No. 712,058

10 Claims. (Cl. 123—191)



1. In an internal combustion engine, a cylinder head having a combustion chamber divided into two portions by a partition and communicating with each other through the medium of an opening through the partition of a size sufficient to permit the flame of the burning charge in one portion of the chamber to pass into the other portion to ignite the charge in the latter but to retard compression of the charge in said second named portion by the flame front in the first named portion of the chamber.

2,041,941

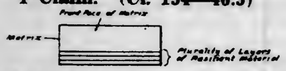
PRINTING-PLATE MATRIX

Walter Matuschke, Berlin-Hermsdorf, and Erich Bläsing, Berlin, Germany

Application March 9, 1931, Serial No. 521,330

In Germany March 10, 1930

1 Claim. (Cl. 154—46.5)



A composite matrix plate for stereotype work, consisting of a sheet of matrix material receiving an impression, said sheet being of such consistency and thickness as to be irregularly shaped substantially in accordance with the general outline of the impressions received and as independently to preserve such impressions and shape, and of a backing member attached to said sheet and of such compressibility and thickness that the face thereof attached to the said sheet is moulded in conformity with said irregularly shaped sheet while the rear of said backing member remains flat.

2,041,942

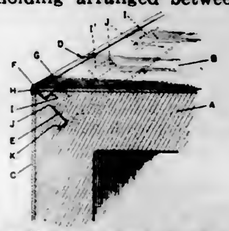
BUILDING UNIT

Peter J. Maul, Detroit, Mich., assignor to Macotta Unit Corporation, Detroit, Mich., a corporation of Maryland

Application September 3, 1935, Serial No. 39,056

6 Claims. (Cl. 72—36)

1. A building unit comprising a body member, a plurality of facings for adjacent surfaces of said body arranged in angular relation to each other, and securing means for said facings comprising a molding arranged between and over-



lapping the adjacent edges thereof, and an anchor strip for said molding extending inward between adjacent edges of the facings and imbedded in the body.

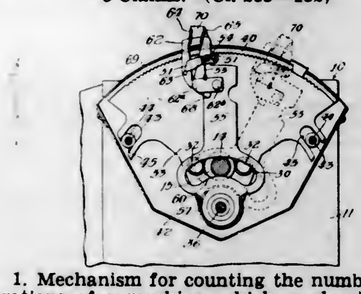
2,041,943

COUNTING DEVICE

Cecil C. McCain, Glen Ellyn, and Alfred Marchev, La Grange, Ill., assignors to Ditto Incorporated, a corporation of West Virginia

Application March 29, 1933, Serial No. 663,388

5 Claims. (Cl. 235—132)



1. Mechanism for counting the number of operations of a machine, which mechanism comprises a stationary rack, a movable rack, means for oscillating the movable rack in timed relation to the operation of the machine, a movable lever, and pawls carried by said movable lever and engageable with said racks, one of said pawls cooperating with said movable rack to displace said movable lever step by step during operation of the machine and another of said pawls cooperating with said stationary rack to hold said movable lever against retraction each time it is advanced a step.

2,041,944

SAFETY ATTACHMENT FOR WRIST BANDS

Bernard Mestekin, Washington, D. C.

Application June 8, 1935, Serial No. 25,664

3 Claims. (Cl. 63—3)



3. In an article of jewelry having separable end portions provided with means for locking the same together, a safety attachment therefor composing in combination two members shaped to fit around and to be secured to the respective end portions of the article of jewelry, a chain permanently attached at one of its ends to one of said members and means for detachably connecting the other end of said chain to the other member.

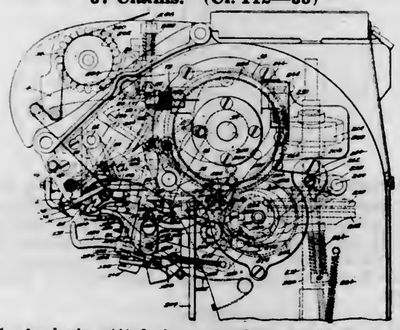
2,041,945

SHOE SEWING MACHINE

Alfred R. Morrill, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Application March 8, 1933, Serial No. 660,018

37 Claims. (Cl. 112—35)



1. A chain stitch inseam shoe sewing machine having, in combination, a curved hook needle arranged to enter the work from the channel side and during its retracting stroke to exert a stitch tightening strain on the seam, a thread tension device, a take-up acting to draw tight a loop of thread around the shank of the needle while the needle is in the work and thereafter draw from the supply, through the tension device, an amount of thread varying with the thickness of the work, a needle threading looper, a thread finger acting to draw out a bight of thread between the work and the looper, and means for actuating the take-up and thread finger to give up to the needle, during its retracting stroke and after the needle enters the work, an amount of thread varying with the thickness of the work.

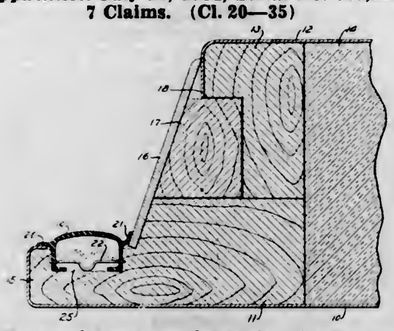
2,041,946

CLOSURE SEAL

Alfred E. Nave, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application July 14, 1934, Serial No. 735,116

7 Claims. (Cl. 20—35)



1. In a refrigerator cabinet door having a peripheral ledge adapted to overlie and abut a cabinet wall around a door opening, said ledge having a groove extending peripherally in its abutment surface, a gasket of flexible material having portions extending into said groove, and means for securing said gasket comprising an element between the portions of said gasket within said groove and distortable by a force exerted through said flexible gasket to secure said gasket portions within said groove.

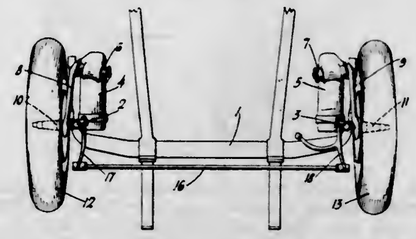
2,041,947

AUTOMOBILE SUSPENSION SYSTEM

Maurice Olley, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application August 17, 1934, Serial No. 740,261

20 Claims. (Cl. 280—124)



1. In a motor vehicle in which a pair of road wheels are independently supported by a suspension system in which each road wheel is mounted on an axis supported solely by a single lever arm pivoted upon an axis transverse to the normally vertical longitudinal mid-plane of the vehicle, the position of the wheel axis relatively to the lever arm being unchanged by pivotal movement of the lever arm about its axis, the disposition of the pivot axis of the lever arm in a position in which it is not normally perpendicular to the normally vertical longitudinal mid-plane of the vehicle, and not normally parallel to the axis on which the wheel is mounted, whereby the angular relationship of the axis on which the wheel is mounted, to the normally vertical longitudinal mid-plane of the vehicle, is changed by pivotal movement of the lever arm about its axis.

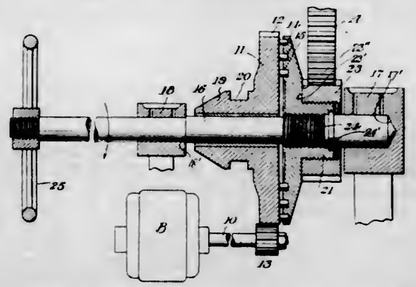
2,041,948

CLUTCH

Oliver Wendol Partain, Tulsa, Okla.

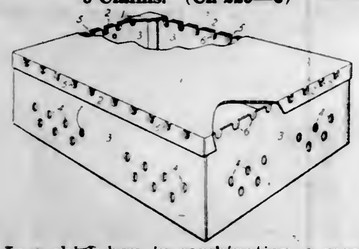
Application September 12, 1932, Serial No. 632,809

7 Claims. (Cl. 192—66)



1. A clutch of the character described comprising driving and driven friction-engageable clutch members, a power unit geared directly to the driving member, means for gearing the driven member with the machine, means manually operable for setting the machine at starting position through the driven member, the said second-named means constituting the axle for the driving and driven members of the clutch, and means automatically tightening the driven member on said axle when the machine suddenly stalls.

2,041,949
CHICK BOX
Charley T. Patterson, Springfield, Mo.
Application September 13, 1934, Serial No. 743,846
5 Claims. (Cl. 229—6)



5. In a chick box, in combination, a receptacle portion having a bottom and side walls, openings in said side walls near the bottoms thereof, a cover portion having an imperforate top section and pendant sidewalls, said side walls being designed to fit in telescopic relation over the side walls of said receptacle portion when in place thereon, the sidewalls of said cover portion having openings therein, a portion of the perimeter of said openings forming a straight line, said straight line coinciding with the line of juncture of said top section and said pendant sidewalls, and serrations in the tops of the sidewalls of said receptacle portion which coincide with said openings in the pendant sidewalls of said cover portion when the latter is in position on said receptacle portion.

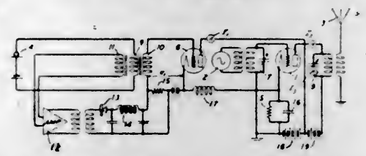
2,041,950
EXPANSIBLE COVER
Robert C. Pierce, Niles, Mich., assignor to National Standard Company, Niles, Mich., a corporation of Michigan
Application August 5, 1935, Serial No. 34,672
2 Claims. (Cl. 96—25)



1. An expansible tubular metallic cover having rigid rings at its ends connected by a series of wire braids, each braid being connected to said rings at the ends of the cover and each consisting of wires extending the full length of the braid and braided together to form a flat braid extending spirally about the cover, said braids being laid so that each of them goes alternately under and over at least three of the others whereby said cover expands readily when pressure is applied thereto internally.

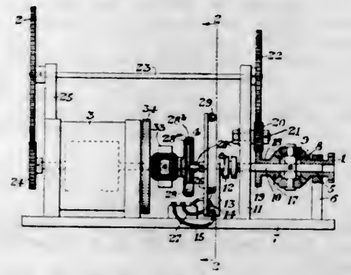
2,041,951
MODULATING SYSTEM
Jozef Piebanski, Warsaw, Poland, assignor to American Telephone and Telegraph Company, a corporation of New York
Application July 21, 1934, Serial No. 736,403
In Poland August 17, 1933
7 Claims. (Cl. 179—171)

1. A modulating system comprising a modulating tube and an amplifying tube each having a cathode, an anode and a control grid, a signal source associated with said amplifying tube, a carrier source associated with said modulating tube, and an impedance common to the anode circuit of said amplifying tube and to the anode direct current circuit and the grid circuit of



the modulating tube, said impedance being proportioned to provide a substantial coupling of said several circuits, that is selectively responsive to waves in the frequency range comprising the signal wave, whereby modulation is expected while distortion of the modulated wave is diminished.

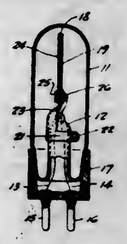
2,041,952
MOTION REPRODUCING UNIT
Edward J. Poitras, Jackson Heights, and James D. Tear, Great Neck, N. Y., assignors to Ford Instrument Company, Inc., Long Island City, N. Y., a corporation of New York
Application November 21, 1935, Serial No. 50,900
4 Claims. (Cl. 172—239)



1. In a unit of the type described, the combination comprising a movably mounted motion receiving member, a movably mounted driven member, a prime mover for driving the driven member and control means for the prime mover including two relatively movable cooperating control elements, means for effecting relative movement of the control elements upon relative movement between the motion receiving and driven members and means for affecting one of said control elements including an inertia element, means for displacing the control element proportional to velocity and means differentially connecting said inertia element and said displacing means to the prime mover.

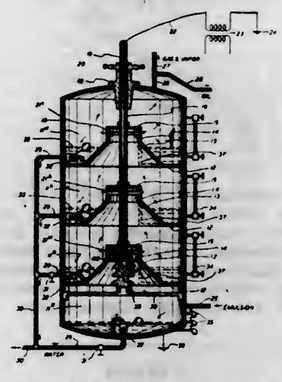
2,041,953
SELF-GENERATING PHOTOELECTRIC CELL
Edward Praetorius and John E. Stewart, Los Angeles, Calif.
Application August 30, 1932, Serial No. 631,018
1 Claim. (Cl. 136—89)

In a selenium self-generating photo-electric device, containing two interfaces or electron barrier planes: a thin layer of light-sensitive crystalline selenium, a back-supporting plate electrode of iron (cathode), a chemical bond between the selenium and the iron plate, said bond constituting a reverse interface or reverse electron barrier plane of iron selenide; a front translucent electrode of finely divided graphite (anode), and



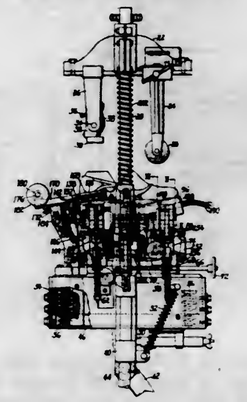
a chemical bond between the selenium and the front electrode, said bond constituting an obverse interface or obverse electron barrier plane of carbon selenide.

2,041,954
METHOD AND APPARATUS FOR ELECTRICAL DEHYDRATION
Paul W. Prutzman, Los Angeles, Calif., assignor to Socony-Vacuum Corporation, New York, N. Y., a corporation of New York
Application October 10, 1933, Serial No. 692,977
5 Claims. (Cl. 204—24)



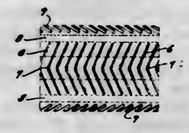
1. An electrical dehydrator comprising: a vertically arranged and substantially closed shell; a grounded electrode in the form of a horizontal partition conductively attached to said shell and a nozzle projected upwardly around an opening through said partition, said nozzle and said partition dividing said shell into chambers and cooperating with the wall of said shell to form a receptacle for water; a live electrode in the form of a cup having a vertical rim downwardly projected toward the upper end of said nozzle and aligned therewith; means insulated from said shell for supporting said cup with its lower edge in spaced relation to the upper edge of said nozzle; means for introducing emulsion into the chamber below said electrodes and for forcing said emulsion between said electrodes into the chamber above said electrodes; means for withdrawing oil and gas from said upper chamber; means for withdrawing water from the lower portion of said lower chamber; means independent of last said means for withdrawing water from the receptacle formed by said grounded electrode, and means for impressing an electrical potential on said electrodes.

2,041,955
MACHINE FOR SHAPING UPPERS OVER LASTS
Charles F. Pym, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 29, 1934, Serial No. 708,722
67 Claims. (Cl. 12—7)



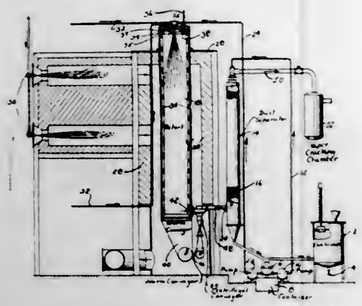
1. In a lasting machine, lasting means constructed and arranged to grip the marginal portion of an upper at the opposite side of a last and movable to pull the upper inwardly over an insole on the last at the opposite sides of the shoe bottom simultaneously in such spaced relation to the shoe bottom as to avoid any substantial pressure of the upper against the bottom face of the insole, mechanism for effecting relative movement of the shoe and said lasting means heightwise of the shoe to cause said means to press the upper upon the bottom face of the insole after thus pulling it inwardly over the insole and while the upper is held under pulling strain, and mechanism for thereafter moving said lasting means farther inwardly over the insole in wiping and pressing engagement with the marginal portion of the upper.

2,041,956
BLANK FOR FORMING CHANNELS
James S. Reid, Shaker Heights, Ohio, assignor to The Reid Products Company, Cleveland, Ohio, a corporation of Ohio
Application February 19, 1932, Serial No. 594,040
3 Claims. (Cl. 29—152)



1. A blank for a glass run channel core, comprising a strip of metal having its side edge portions and its intermediate portion provided with generally transverse longitudinally spaced slots, the slots of said intermediate portion being spaced from the slots of said side edge portions and being of generally V-shape and in generally parallel relation.

2,041,957
METHOD OF WORKING UP LOW VALUED MATERIALS SUCH AS PITCH, ACID SLUDGE, AND THE LIKE
Alfred Reis, Berlin-Lichterfelde, Germany, assignor to Pape & Co., G. m. b. H., Rahlstedt, Germany, a corporation
Application February 10, 1933, Serial No. 656,204
In Germany February 16, 1932
9 Claims. (Cl. 196—148)



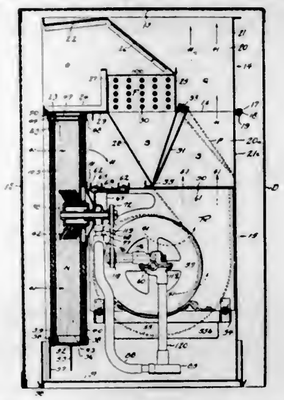
1. A method of working-up low valued materials such as pitch, acid sludge and the like to produce light liquid hydrocarbons therefrom, which comprises gasifying and evaporating a portion of said materials by rapidly passing the same in a finely divided state downwardly through a zone heated by radiation to a temperature equivalent to red heat and at least to about 700° C., and in which air has been excluded.

2,041,958
REFINING CELLULOSE FIBER FOR CONVERSION INTO CELLULOSE DERIVATIVES
George A. Richter, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine
No Drawing. Application July 25, 1934, Serial No. 736,901
19 Claims. (Cl. 92—13)

1. A process which comprises first refining preliberated cellulose pulp to higher alpha cellulose content in an alkaline liquor of non-mercerizing strength, and then refining the resulting pulp to still higher alpha cellulose content in another liquor of mercerizing strength while maintaining such liquor sufficiently hot to avoid the mercerizing activity possessed thereby at room temperature.

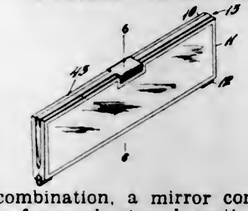
2,041,959
AIR CONDITIONER
Frederick Riebel, Jr., and Lachlan W. Child, Toledo, Ohio, assignors, by mesne assignments, to Aeriet Air Conditioner Company, a corporation of Illinois
Application July 14, 1933, Serial No. 680,439
11 Claims. (Cl. 261—115)

11. In an air conditioner, a casing having an inlet opening, a pair of closely spaced screens across said inlet opening, means for projecting a water spray between said screens and substantially parallel thereto at a relatively high velocity, some of the droplets of said spray striking and rebounding from the inner surfaces of the screens to keep said inner surface wetted without passing through the screens, and means for causing a current of air to flow through said inlet opening and



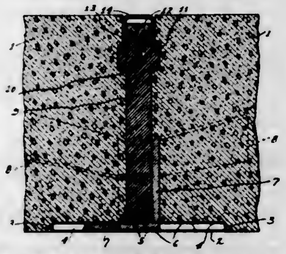
through the screens and the spray at a lower velocity than the velocity of said spray.

2,041,960
COMBINATION MIRROR AND COMB
Joseph F. Rioux, Attleboro, Mass.
Application May 17, 1935, Serial No. 22,016
12 Claims. (Cl. 132—79)



1. In combination, a mirror comprising two sections, a frame about each section, hinge eyes integral with said frame for hinging said framed sections together for folding into substantially parallel relationship, a comb positionable between said folded sections, and means carried by said comb for holding said sections in folded position.

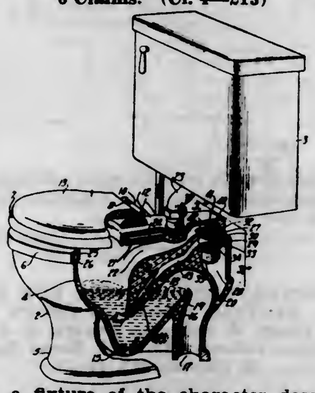
2,041,961
EXPANSION JOINT AND CORE
Robert R. Robertson, Chicago, Ill., assignor to The Translode Joint Company, Chicago, Ill., a corporation of Illinois
Application July 18, 1934, Serial No. 735,730
22 Claims. (Cl. 94—18)



1. An expansion joint forming device comprising a load transmission base, a solid core of flexible material supported on the base and having dovetail shaped anchoring means formed thereon for anchoring the core to adjacent sections of a concrete construction, and void forming means removably supported on the anchoring means and removable from the concrete to leave a void for the reception of a filler.

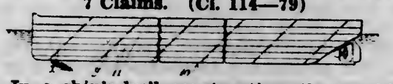
20. An expansion joint core unit comprising a plastic body having a mouth portion and means for opening and closing the same.

2,041,962
VENTILATED PLUMBING FIXTURE
Thomas J. Robertson, Kansas City, Mo., assignor of one-half to Paul C. Ford, Kansas City, Mo.
Application June 22, 1934, Serial No. 731,800
6 Claims. (Cl. 4—213)



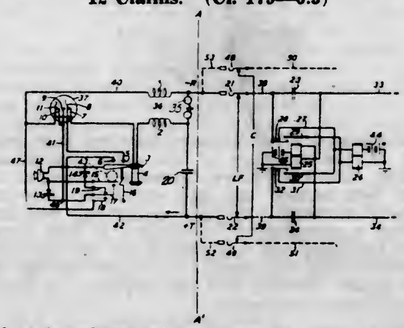
1. In a fixture of the character described, a toilet bowl having a discharge duct and a water seal in the bowl for sealing said discharge duct, and means carried by the bowl and having an intake connected with the interior of the bowl for withdrawing air from the bowl and having an outlet connection with the discharge duct at a point within the water seal.

2,041,963
SHIP HULL CONSTRUCTION
Charles T. Samuelson, Beaumont, Tex.
Application April 3, 1933, Serial No. 664,093
7 Claims. (Cl. 114—79)



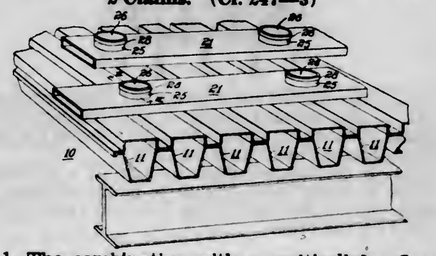
1. In a ship's hull construction, the combination comprising a hull having an exterior skin composed of metal plating, a plurality of substantially parallel rows of metal frame longitudinals extending along and contacting with the inner surface of such skin, each row of such longitudinals having a plurality of elements successively abutting each other, and the joints between substantially every pair of such abutting elements in substantially every one of said rows of longitudinals being staggered with respect to such joints in any non-adjacent rows of longitudinals so that no two joints between the abutting elements in such non-adjacent rows of longitudinals will lie in the same vertical plane and in such a manner, that a substantially continuous path can be generated through a portion of a joint between a pair of such abutting elements in one of the bottom rows of longitudinals on one side of the hull and through a similar portion of a joint between a pair of abutting elements in one of the top rows of longitudinals on the same side of the hull, which path will also progressively intersect a similar portion of a joint between a pair of abutting elements in other rows of longitudinals on the same side of the hull and which path will extend generally diagonally to the longitudinal axis of such side of the hull.

2,041,964
TELEPHONE SYSTEM
George Sandalls, Jr., North Tarrytown, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application August 16, 1934, Serial No. 740,167
12 Claims. (Cl. 179—6.3)



1. A telephone set comprising a microphone, a circuit therefor, rectifier means in said circuit for short-circuiting said microphone during a certain period of a call from said set, and means for entirely eliminating said rectifier means from said circuit during other periods of said call.

2,041,965
UNDERFLOOR WIRING CONDUIT SYSTEM
Edward B. Sargent, Mount Lebanon, Pa., assignor, by mesne assignments, to H. H. Robertson Company, Pittsburgh, Pa., a corporation
Application June 24, 1932, Serial No. 619,089
2 Claims. (Cl. 247—3)

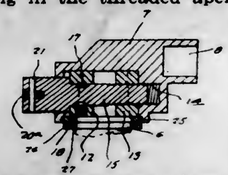


1. The combination with a multicellular floor provided with closely spaced hollow metal beams forming cells and covering the space between supporting members for said floor, of a crossover duct extended transversely of said multicellular floor and provided with fixtures spaced apart and forming part of said duct and capable of being arranged in said duct to have each fixture located above and communicate directly with any cell of said multicellular floor and thereby enable every cell of said floor between said supporting members to be utilized as a wiring conduit.

2,041,966
BATTERY TERMINAL CLAMP
Joseph K. Schaefer, Hollywood, Calif.
Application April 23, 1935, Serial No. 17,847
3 Claims. (Cl. 173—258)

1. A battery terminal clamp comprising a hood of conducting material adapted to fit down

over the battery post, said hood being provided with a socket for connection with a cable, a split clamp arranged within the hood to embrace the post and provided with a pair of opposing apertured lugs, one of these lugs having its aperture threaded, a bolt extending laterally through an opening in the hood and also extending through the apertures in said lugs and having a threaded part working in the threaded aperture of said



one lug and a nonthreaded grooved part working in the aperture of the other lug of said clamp, and a set screw threadedly engaged with the last named lug and extending into said groove whereby a rotation of the bolt will cause either a spreading or a drawing of lugs toward one another, said bolt having an end accessible externally of the hood for rotation of the bolt for either drawing said lugs together or forcing them apart optionally.

2,041,967
CORRUGATED SHEET AND PROCESS FOR MAKING SAME
Frederick W. Schroder and Martin Willis, New Orleans, La., assignors to R. J. Dorn Co., Inc., a corporation of Louisiana
Application April 25, 1930, Serial No. 447,150
Renewed May 19, 1934
15 Claims. (Cl. 154—33)

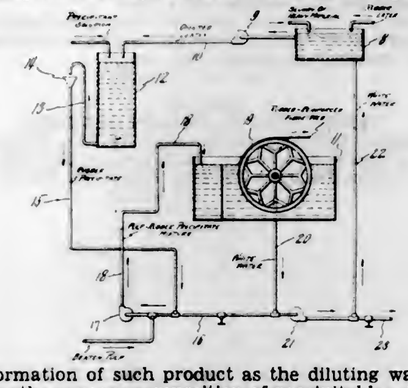


3. A corrugated sheet formed of a pulp containing a cementitious material and having corrugated curved portions on opposite sides of a transverse center line of unequal radii.

11. A corrugated sheet formed of a cementitious material and having a larger amount of material on one side of its transverse center line than on the other.

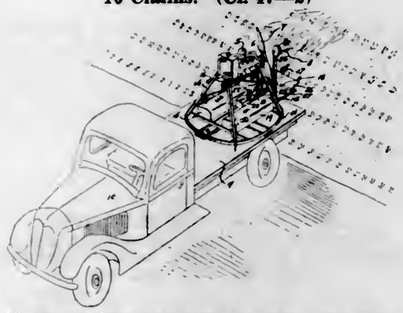
2,041,968
MANUFACTURE OF RUBBER-REENFORCED WATERLAID WEBS OF FIBER
Milton O. Schur, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine
Application May 16, 1934, Serial No. 725,945
26 Claims. (Cl. 92—21)

1. In a process of manufacturing a waterlaid product into which enter as raw materials an aqueous suspension of fibers and an aqueous composition of precipitable solids that tends to throw out curds or gelatinous masses under some conditions of precipitation, those steps which comprise precipitating the solids of such aqueous composition in the presence of sufficient diluting water to form a precipitate substantially free from curds or gelatinous masses, mixing such diluted precipitate with the aqueous suspension of fibers to disseminate such precipitate substantially uniformly throughout the suspension, forming a waterlaid product from the mixture, and recovering and reusing the water removed during the



formation of such product as the diluting water for the aqueous composition of precipitable solids entering into the process.

2,041,969
TEMPERATURE MODIFIER FOR PROTECTING GROWING CROPS
James M. Seymour, Newark, N. J.
Application February 10, 1936, Serial No. 63,093
10 Claims. (Cl. 47—2)



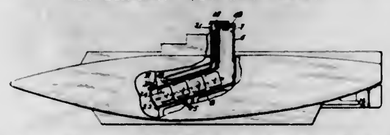
10. In combination with a mobile vehicle having an open platform, a turn-table mounted on said platform, a supporting frame-work on said turn-table, an internal combustion engine mounted on said frame-work, a propeller driven by said engine for moving large volumes of air in an outflowing stream, a flame throwing burner carried by said turn-table and positioned in front of said propeller, and means operated from said engine for supplying a combustible fuel to said burner.

2,041,970
COMPRESSOR VALVE AND CAGE
Milton S. Shepherd, Salt Lake City, Utah, assignor of forty per cent to Louis A. Reser, Salt Lake City, Utah
Application December 12, 1934, Serial No. 757,099
2 Claims. (Cl. 251—144)



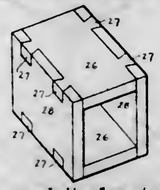
1. In a compressor valve, the combination of a cage having the valve plate spaced from the head of the cage by brackets; a valve opening bored through the plate chamfered to form a valve seat; a valve chamber formed in said cage in alignment with said valve opening in the plate; and a valve assembly comprising a valve adapted to fit into said valve seat with the lower end chamfered to fit said seat; a hollow valve stem formed on the top side of said valve concentric therewith and carrying a screw driver socket in the bottom of the hollow socket; a valve guide carried in said cage having a depending hollow valve guide stem fitting into the hollow valve stem; a spring made of a flat strip of metal wound into concentric convolutions, said spring surrounding said valve stem and engaging the under side of said valve guide within the valve chamber; and a removable plug carried in said hollow valve guide stem said plug to be removed when grinding the valve to allow an instrument to be inserted through the hollow guide stem to grind the valve to its seat.

2,041,971
LIFESAVING EQUIPMENT FOR SUBMARINES
Frank Sheplin and George Macchianich, Jersey City, N. J.
Application April 24, 1935, Serial No. 17,941
16 Claims. (Cl. 114—16.7)



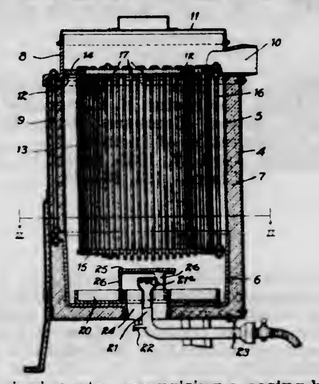
1. In combination with a submarine having a tower, an escape tunnel communicating with the interior thereof and terminating in the tower having a releasably closed top, water-proof cars in said tunnel, water-proof means for providing access to the interiors of said cars from the interior of the submarine, means for controlling the entrance of water into said tunnel, means for opening the top of said tower, and means for assisting said cars through the tunnel and out from said tower, said tunnel and tower being substantially of L-shape with the tower corresponding with the vertical arm of the L form, and the tunnel with the horizontal arm, said horizontal arm being arranged at an inclination so that the cars may travel upwards through the tunnel into the tower.

2,041,972
CONDUIT
Aaron W. Sherwood, Marietta, Ohio
Application June 20, 1932, Serial No. 618,235
2 Claims. (Cl. 138—81)



1. A built-up conduit of rectangular cross section of the character described, comprising horizontal top and bottom and two side precast concrete slabs each provided with an interlocking dovetail portion on each longitudinal edge thereof cooperating with an interlocking dovetail portion of an adjoining slab and assembled together to form a hollow structure each outer side of which lies in a single plane, the dovetail portion of the top and bottom slabs having substantially vertical end faces interlocking with substantially vertical end faces of the dovetail portions of the side slabs to prevent any outward movement of the side slabs and to provide for assembly of the top slab upon the positioned side slabs merely by vertical lowering of the top slab, each side slab having upper and lower horizontally extending bench portions extending beyond the dovetail portions thereof and cooperating with the dovetail portions thereof to constitute a support extending the entire length of the side slab for the edges of the top and bottom slabs, said top and bottom slabs having end projections adapted for interlocking engagement with similar complementary projections of other similar top and bottom slabs assembled end to end therewith and adapted for assembly merely by vertical lowering movement of one horizontal slab in extension of the other.

2,041,973
INCINERATOR
Laurence T. Sherwood, Connellsville, Pa.
Application May 9, 1935, Serial No. 20,574
3 Claims. (Cl. 110—18)



1. An incinerator comprising a casing having a bottom wall provided with an opening, a basket in the casing, an open-sided hood positioned between the basket and said opening, a burner extending through the opening, and a centrally-apertured drip pan surrounding said burner and extending radially from points beneath the hood, into proximity to the vertical walls of the casing, the aperture serving as an air inlet.

2,041,974
JOINED FIBROUS BODIED ARTICLE AND METHOD OF PRODUCING SAME
Edward C. Sloan, Geneva, Ill., assignor to Jesse B. Hawley, Geneva, Ill.
Original application May 19, 1934, Serial No. 726,610. Divided and this application May 19, 1934, Serial No. 726,614
9 Claims. (Cl. 18—59)

1. A method of making an article comprising covering a sheet of fibrous material with a thermoplastic substance of a resinous base whereby said substance penetrates into the surface portion of said sheet and provides a covering of said substance on said surface of said sheet, forming joining means at given edges of said sheet, covering the edges of said joining means with said substance, joining said sheet to another similar sheet to form a joint between said sheets, placing

sheets of veneer having a covering of said substance thereon on the surfaces of said joined sheets, applying heat and pressure thereto to



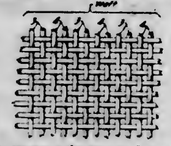
fuse said substance to unite said sheets and mold said substance to form a covering for said article, cooling the same, and removing the pressure.

2,041,975
COMBINED EYEGLASS PAD AND SUPPORT
Fred H. Soden, Rochester, N. Y., assignor to Continental Optical Company, Inc., Rochester, N. Y., a corporation of Indiana
Application April 27, 1935, Serial No. 18,540
1 Claim. (Cl. 88—48)



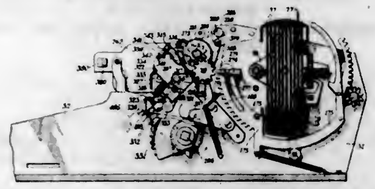
In an eyeglass construction including a pair of supports, a pair of nose pads each of which has a relatively narrow central portion defined by a sharp concave curve along one edge and a gradual convex curve along the opposite edge, and enlarged rounded symmetrical end portions which are wider than said central portion to afford increased bearing surfaces at the ends to compensate for the reduced bearing surface at the center, and means extending from each pad at right angles to its face and approximately midway between its edges, permitting the pads to be removably and interchangeably attached to said supports either with their concave edges or their convex edges extending toward the rear of the eyeglass.

2,041,976
LAPPING CLOTH
John C. Standish, Rensselaer, N. Y.
Application February 24, 1934, Serial No. 712,705
5 Claims. (Cl. 139—420)



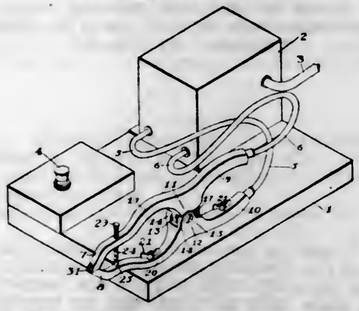
1. A cloth for wrapping or lapping about the platen roll of a printing machine to provide a yielding cushion between said roll and the material being printed comprising a comparatively thin woven fabric having a warp of yarns formed from vegetable fibres and the filling thereof comprising both wool yarns and cotton yarns; the wool yarns in said filling providing the fabric with the yielding resilient characteristics essential for printing and preventing the cloth from slipping on the roll, and the cotton yarns in said filling reducing the tendency of the wool yarns to powder and disintegrate under the high pressures employed in the printing operation; the relative proportions of the wool and cotton filling in the face and back of the fabric being substantially the same.

2,041,977
CALCULATING MACHINE
Oscar J. Sundstrand, Rockford, Ill., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Original application March 3, 1931, Serial No. 519,792. Divided and this application November 25, 1932, Serial No. 644,248. In Germany June 5, 1931
38 Claims. (Cl. 235—138)



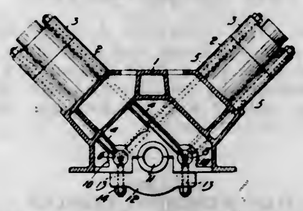
1. The combination with a plurality of totalizer wheels; and actuators therefor; of a switch member; means controlled by a wheel of lower order, to shift the switch member; a transmitting element actuated by the switch member; a transfer pawl; a recessed transfer pawl guide to maintain the pawl in ineffective or effective position, and operable by the transmitting element; and a support embraced by the recess to form a fulcrum for the guide.

2,041,978
DEVICE FOR SECURING OR SEPARATING PARTS HELD TOGETHER BY A FUSIBLE MATERIAL
Dudley F. Taylor, Indianapolis, Ind., assignor to Continental Optical Company, Inc., Rochester, N. Y., a corporation of Indiana
Application November 15, 1934, Serial No. 753,182
5 Claims. (Cl. 219—12)



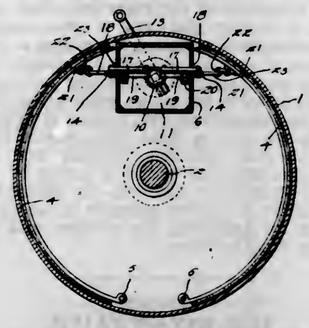
1. A device for securing or separating a plurality of parts held together by a fusible material, comprising two clamping members including central connecting portions extending toward each other and pivotally connected, said connecting portions being electrically insulated from each other, a jaw at one end of each of the clamping members for holding work therebetween, handle portions at the opposite ends of the clamping members, handle portions located between said pivotal connection and the jaws and symmetrical with the first mentioned handle portions, spring means for actuating the jaws toward each other, and electric conductors connected with the clamping members and operative to pass a current through said jaws and the work clamped therebetween.

2,041,979
MEANS FOR ANCHORING CYLINDERS IN ENGINES WITH ANGULARLY DISPOSED CYLINDERS
Edvin Ossian Parcival Thege, Stockholm, Sweden, assignor to Aktiebolaget Atlas Diesel, Stockholm, Sweden, a corporation of Sweden
Application July 31, 1934, Serial No. 737,750
In Sweden August 14, 1933
11 Claims. (Cl. 121—194)



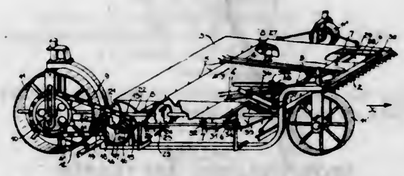
1. In an engine having cylinders inclined with respect to each other, a frame, a plurality of separate anchor members located in the frame, and cylinder anchor bolts secured to said anchor members, at least two of the anchor members for a pair of oppositely inclined cylinders each having secured thereto a cylinder anchor bolt for each of the cylinders of the pair.

2,041,980
BRAKE
William Thompson, Fisk, Mo.
Application April 13, 1935, Serial No. 16,232
3 Claims. (Cl. 188—78)



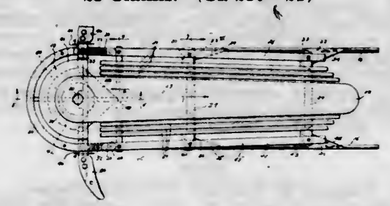
2. In a brake including a drum and friction means mounted therein including two ends separable for effecting contact of the means with the drum, a screw mounted for oscillation adjacent said ends with its longitudinal axis extending transversely of the drum, a nut threaded on the screw, means retaining the nut against rotation with the screw but permitting its movement longitudinally thereof, and means pivotally coupling the nut with the said friction element ends whereby the ends will be made to positively move relative to the drum by the shifting of said nut in either direction on the screw.

2,041,981
REAPER-BINDER
Constantin Ferdinand Tremouroux and Constantin Emile Tremouroux, Ernage, Belgium
Application August 7, 1935, Serial No. 35,184
In Germany August 14, 1934
5 Claims. (Cl. 56—131)



1. A reaper-binder comprising a horizontal conveyor and a lifting device constituted each by a fixed apron on which the corn slides towards a knotting mechanism parallel to a reaping mechanism under the action of driving members driven by chains and passing into slits between the sheets constituting the apron, characterized in that the facing edges of two neighbouring sheets are at different levels such that the edge of the sheet which is the further from the reaping mechanism is a little lower than that of the sheet nearer to this mechanism.

2,041,982
SLED
Harold L. van Doren and John G. Rideout, Toledo, Ohio, assignors to The American-National Company, Toledo, Ohio, a corporation of Ohio
Application January 29, 1934, Serial No. 708,917
28 Claims. (Cl. 280—21)

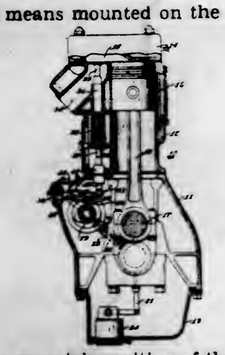


2. A sled having a frame provided with a U-shaped bumper bar at the forward end thereof, side sills having portions at the forward end thereof rigidly secured to the legs of said bar, and cross braces interconnecting the side sills intermediate the ends thereof.

2,041,983
INTERNAL COMBUSTION ENGINE
Cornelius W. Van Ranst, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application April 24, 1933, Serial No. 667,547
11 Claims. (Cl. 123—90)

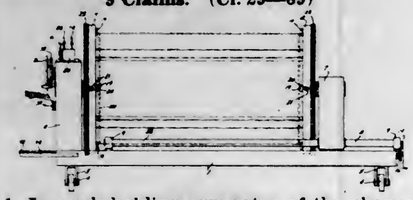
1. Valve gear mechanism comprising a valve operating rod, a cam, a rock lever extending intermediate the cam and the rod, bearing means eccentrically mounted on the lever, said bearing means engaging with the cam, and hydraulically

actuated means mounted on the lever and regu-



lating the eccentric position of the bearing means to take up slack in the mechanism.

2,041,984
SPOT WELDING APPARATUS
Frank Vetorino, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application March 16, 1932, Serial No. 599,155
9 Claims. (Cl. 29—89)



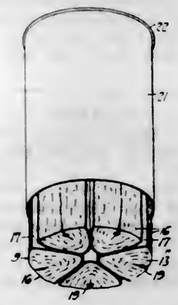
1. In work holding apparatus of the character described, comprising, work holding and rotating means on a chassis, the combination on said chassis of traction elements thereon, two of which are disposed in alignment, drive means for said two aligned traction elements including a variable drive transmission mechanism, means for controlling said variable drive transmission mechanism to actuate said two driven traction elements simultaneously or individually and in either direction, and guiding means effective on said driven traction elements for controlling the line of movement of said chassis.

2,041,985
MOP
Thomas P. Wallace, Portland, Maine
Application January 15, 1935, Serial No. 1,951
1 Claim. (Cl. 15—206)



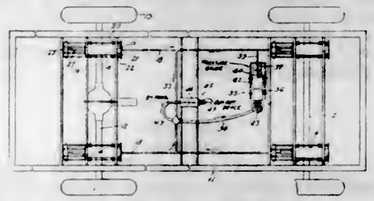
A device of the class described, comprising a mop frame, embodying a rectangular shaped base composed of two metal wires twisted, closely arranged strands of fabric interposed between said metal wire strands, forming a mop-head, an upright portion of the twisted wire structure rising from the said base and bent rearwardly over the mop-head, centrally of the base member and extending rearwardly to provide a handle for said device, said handle being so disposed as to contact the rearward end of the mop-head when sufficient pressure is brought to bear thereon.

2,041,986
FISH PACK AND METHOD OF PACKING FISH
Paul S. Wetmore, Benicia, Calif., assignor to Benicia Fisheries, Benicia, Calif., a corporation of California
Application July 3, 1935. Serial No. 29,759
8 Claims. (Cl. 99—188)



1. A fish pack comprising a metal container having a cylindrical wall, and a plurality of fish sections each having a flesh portion and a skin portion arranged in the container with the flesh portions in contact with the wall and the skin portions in mutual contact.

2,041,987
LOAD WEIGHING VEHICLE
Edgar Alvin Wickstrom, Superior, Wis.
Application December 19, 1935, Serial No. 55,297
4 Claims. (Cl. 265—40)

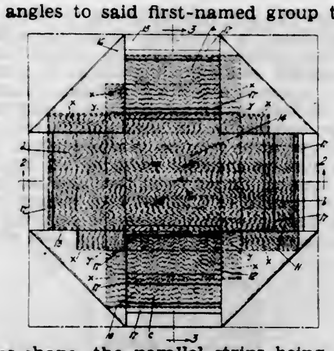


1. In a structure of the class described, in combination, a carrier platform, a wheel-supported axle therebeneath, a pump including a cylinder and piston mounted beneath the platform and above the axle, said piston having an operating rod, an adjustable operating connection between the axle and operating rod, a fluid pressure controlled gauge and a fluid line connecting said gauge with said cylinder, together with a cut-out device cooperable with the gauge by way of a by-pass connection, said cut-out device including a cylinder, a suction plunger mounted therein, a lever for actuating the plunger and retaining means for the lever.

2,041,988
TIRE REPAIR PATCH
Robert F. Wilson, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application October 21, 1933, Serial No. 694,631
6 Claims. (Cl. 152—26)

1. A patch for use in repairing tires, said patch comprising a group of parallel strips of rubberized fabric of a length greater than their width, a second group of parallel strips arranged at

right angles to said first-named group to form



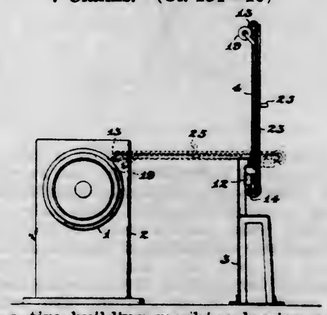
a cross-shape, the parallel strips being of uniform size and offset from each other.

2,041,989
APPARATUS FOR THE TRANSPORTATION AND WORKING OFF OF SPUN CAKES PRODUCED BY THE CENTRIFUGE SPINNING PROCESS
Benno Borzykowski, Paris, France
Original application January 21, 1930, Serial No. 422,467. Divided and this application October 5, 1931, Serial No. 567,025. In Germany December 22, 1928
4 Claims. (Cl. 242—130)



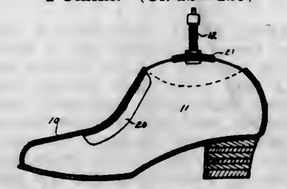
1. Apparatus for use in the transportation and working off of spun cakes of artificial fibrous material produced by the centrifuge spinning process, comprising a perforated sleeve adapted to fit closely within an already formed cake, a cake base having a level surface on which one end of the cake rests flat, and a combined cake tensioning and mounting device adapted to tension the cake from the inside and to be engaged fixedly with said base to prevent displacement of said cake on the base.

2,041,990
TIRE BUILDING MACHINE
Walter J. Breth and Max L. Engler, Akron, Ohio, assignors to The General Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application September 4, 1931, Serial No. 561,096
7 Claims. (Cl. 154—10)



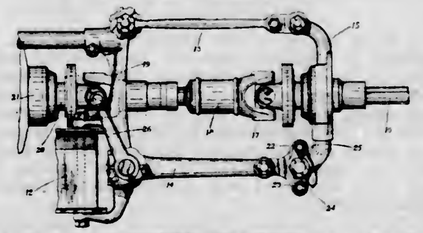
2. In a tire building machine having a rotatable tire assembly drum, means for feeding fabric plies to said drum, comprising a table, an endless ply supporting apron movable over said table, rotatable means for moving said apron to feed the plies supported thereon to said drum and in the direction of rotation of said drum, said rotatable means being driven by engagement with the tire being built on said drum, a support, and means for pivoting said table to said support whereby said table may be pivoted to bring said rotatable means into driving engagement with the tire being built on said drum.

2,041,991
SHOE SHAPER
Frank Calabrese, Brooklyn, N. Y.
Application March 1, 1935, Serial No. 8,826
1 Claim. (Cl. 12—129)



A device of the class described comprising an air-tight resilient bag formed substantially in the shape of the piece of footwear in which it is to be employed and of such size that it will completely fill the interior of the footwear, as well as seal the edge of the opening thereof, when inflated; an air valve inserted in the top of the bag through which the bag may be inflated or deflated; a strap for covering the opening in the footwear; means associated with said strap for tightening it on the footwear; and reinforcing pads secured inside of said bag and aligned with any openings formed in the upper of the footwear to prevent excessive bulking of the bag through such openings.

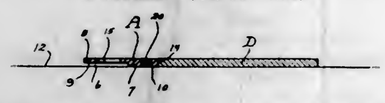
2,041,992
REAR SUPPORTING AND DRIVING MEANS FOR MOTOR VEHICLES
Hubert Noel Charles, Abingdon-on-Thames, England, assignor to The M. G. Car Company Limited, Abingdon-on-Thames, England
Application December 31, 1935, Serial No. 57,034
In Great Britain December 29, 1934
3 Claims. (Cl. 180—73)



1. In a motor-vehicle chassis frame, a bracket bolted to and extending above the chassis frame, a support for a driven road-wheel also above the chassis frame, upper and lower transverse links hinged at their inner ends to the bracket and at their outer ends to the wheel support, the upper link being above the chassis frame and the lower at the level thereof, a transverse driving shaft above the level of the chassis frame, and universal joints at the ends of said driving shaft, the effective lengths of the links and the

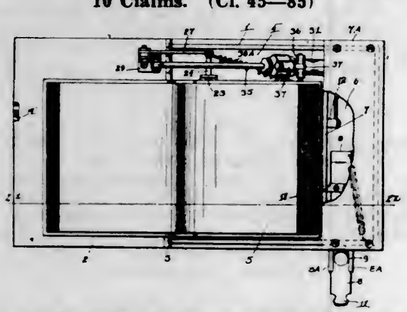
disposition of their pivotal axes relatively to the distance between the centres of said universal joints being such as to constrain the centre of the outer universal joint to swing in a substantially true arc about the centre of the inner universal joint.

2,041,993
LETTERING GUIDE
Albert Fabin Cousins, Hibbing, Minn.
Application July 30, 1932, Serial No. 626,825
2 Claims. (Cl. 33—174)



1. A drawing guide comprising a strip rabbeted along the edge formed by its bottom and one side and forming a thick narrow base portion and a thin wide plate portion having its upper surface flush with the upper surface of the base portion, said plate portion having a row of letter or character forming openings therethrough, and weighting means embedded in the base portion for over-balancing the plate portion and retaining the same spaced above a supporting surface upon which the base portion rests.

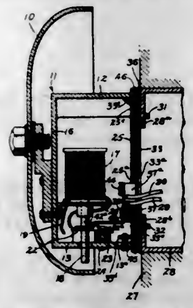
2,041,994
COIN CONTROLLED CABINET FOR BOOKS
Arthur A. Eagle and Alois A. Grosser, Rochester, N. Y., assignors of one-third to Camillus J. Kesselring, Rochester, N. Y.
Application March 15, 1933, Serial No. 660,881
10 Claims. (Cl. 45—85)



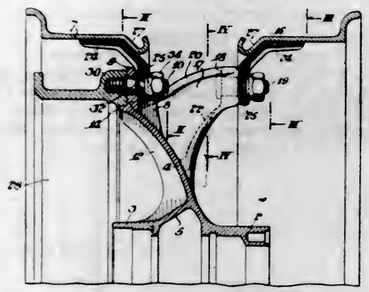
1. In a device of the character described, a cabinet, a platform mounted to move up and down in said cabinet, a cover for said cabinet, locking means for said cover, means for releasing said cover, means for slightly raising said cover after the release thereof by said locking means and means connecting said cover with said platform to raise said platform on the opening of said cover and lower said platform on the closing of said cover.

2,041,995
MOUNTING FOR SIGNALING DEVICES AND THE LIKE
Robert S. Edwards, New Rochelle, N. Y., assignor to Edwards and Company, Inc., a corporation of New York
Application October 14, 1933, Serial No. 693,629
22 Claims. (Cl. 177—7)

1. In construction of the character described, in combination, an outlet box for mounting in a wall or the like and having means provided with threaded holes, a signaling device including a casing having therein electrically actuated means for controlling said signaling device and having interiorly exposed a contact member connected to said electrically actuated means, said casing having an opening in the back wall thereof positioned in operative relation to said contact member, a mounting member carrying an insulated contact member on its front face and having its back face toward said outlet box, means coacting with said threaded holes for securing said mounting member to said outlet box, said mounting member having an aperture therein through which conductors from said outlet box may be drawn and connected to said second-mentioned contact member, and interengaging means on said mounting member and on said casing whereby said mounting member supports the weight of said casing, said second-mentioned contact member being positioned on said mounting member at such a point that it extends through the opening in said back wall of said casing and interengages said first-mentioned contact member.

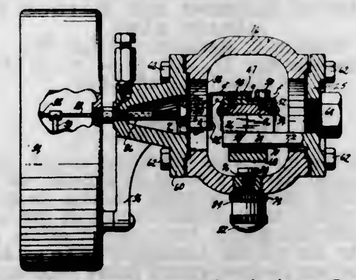


2,041,996
DUAL RIM WHEEL
Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 27, 1932, Serial No. 613,826
9 Claims. (Cl. 301—65)



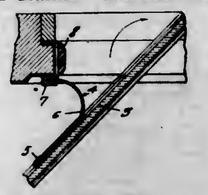
6. A dual rim wheel comprising a hub, a substantially conical body diverging rearwardly from the hub, a series of peripherally spaced rear rim mounting portions adjacent to the outer periphery of said body, and a series of peripherally spaced front rim mounting portions axially spaced forwardly of said rear series, said front rim mounting portions being of spout-like character having extensive bases opening into said body peripherally between said rear mounting portions and ribs along the throats of the spouts.

2,041,997
LIQUID LEVEL RESPONSIVE DEVICE
Paul A. Elfers, Marshalltown, Iowa, assignor to Fisher Governor Company, Marshalltown, Iowa, a corporation of Iowa
Application December 2, 1935, Serial No. 52,621
11 Claims. (Cl. 137—68)



1. In a liquid level responsive device, a float arm housing, a float arm, a float thereon, a substantially friction free pivotal mounting for said float arm, comprising a knife-edge bearing, counterbalance means within said float arm housing for said float arm and float, an oscillatable motion transmission element extending from the interior to the exterior of said float arm housing and arranged with its axis of oscillation substantially in alignment with the pivotal axis of said pivotal mounting, means for transmitting movement of said float arm to said transmission element, comprising a leaf spring of tortuous shape, and means for locking said float arm in a rigid position with the elements of said pivotal mounting separated, comprising an arcuate serrated element on said float arm, a projection on said float arm normally spaced therefrom, and means engageable with said arcuate element and operable to engage the teeth thereof with said projection.

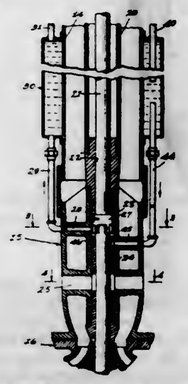
2,041,998
AUTOMOBILE SCREEN
Oscar M. Finley, Waco, Tex.
Application October 10, 1933, Serial No. 693,027
4 Claims. (Cl. 156—14)



2. In a ventilating window provided with a swinging panel, a flexible screen bearing frame having one end fixed and the other end adapted to slidably and yieldably engage the panel when the panel is positioned for ventilating or non-ventilating purposes.

2,041,999
OIL RETURN SYSTEM FOR DEEP WELL TURBINE PUMPS
James M. Hait, San Marino, Calif., assignor to Food Machinery Corporation, a corporation of Delaware
Application September 11, 1934, Serial No. 743,562
25 Claims. (Cl. 103—102)

1. In a turbine well pump having a line shaft and a shaft enclosing tubing: means at the upper end of said enclosing tubing for introducing lubricant into said enclosing tubing; an accumulator reservoir in said well; means associated with said tubing, at a point below said accumulator reservoir and above said pump, for withdrawing lubricant from said tubing and delivering same into said accumulator reservoir; and means independent of said shaft enclosing tubing for intermittently purging said accumulator reservoir to deliver the liquid therein to the surface of the ground.



2. The method of recovering lubricant from the bottom portion of the line shaft enclosing tubing in a turbine well pump which comprises: accumulating said lubricant in a quiescent body at the lower portion of said tubing out of contact with the water in the well and the water being pumped and outside of said shaft enclosing tubing; maintaining a circulating water seal between the body of accumulated lubricant and the water in said well; and intermittently applying the pressure of said pump to the accumulated lubricant thereby forcing same to a point above the water in the well.

2,042,000
TYPEWRITING MACHINE
George F. Handley, Glendale, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a corporation of New York
Original application December 29, 1934, Serial No. 759,779. Divided and this application December 16, 1935, Serial No. 54,732
2 Claims. (Cl. 197—145)



1. In a typewriting or like machine, the combination with a typewriter carriage having end plates, one of said plates having a bearing opening therein, a platen having one end removably supported by the other side plate, a bearing sleeve attached to the other end of the platen and having a transverse pin mounted therein, and a retractible bearing shaft for the last mentioned end of the platen mounted in said side plate opening and in said sleeve, the inner end of the shaft being transversely slotted to form resultant clamping arms for frictionally engaging said transverse pin.

2,042,001
FLUID MOTOR
Birger Heftye, Tampico, Mex.
Original application March 20, 1935, Serial No. 12,096. Divided and this application June 3, 1935, Serial No. 24,724
3 Claims. (Cl. 121—164)



1. A motor of the class described comprising a cylinder, a piston in the cylinder, a chamber in each end of the cylinder opening out into the cylinder and each end of the cylinder having bores therein and ports connecting the chambers with the bores, means for introducing fluid under pressure into one bore of one end of the cylinder, the other bore of said end forming a discharge, a pair of tubular valve members connected together and extending through the cylinder and having their ends slidably arranged in the bores of both ends of the cylinder and controlling the ports leading to the chambers and means operated by the piston at each end of its stroke for shifting the valve members for causing the fluid to pass into alternate ends of the cylinder and to discharge from the other alternate ends.

2,042,002
FLEXIBLE METALLIC CLOSURE
Otis W. Hovey, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Co., Philadelphia, Pa., a corporation of Pennsylvania
Application October 12, 1933, Serial No. 693,230
10 Claims. (Cl. 189—56)



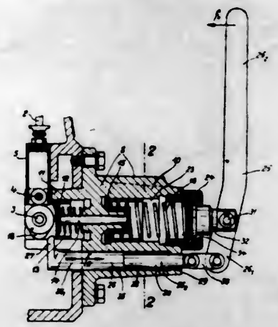
1. A flexible closure comprising a web of flexible sheet metal, and a plurality of metal reinforcing beams extending across the web and spot welded thereto in spaced relation to each other to leave a freely flexible portion of the web of substantial width between adjacent beams.

2,042,003
PRINTING ELEMENT AND METHOD OF MAKING SAME
William C. Huebner, Chicago, Ill.
Application July 12, 1932, Serial No. 622,051
5 Claims. (Cl. 41—41.5)



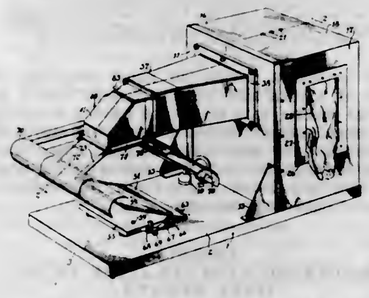
3. In the method of producing an ink printing element having a metal base plate, the improvement which includes: etching predetermined image areas of the surface of the metal plate and thoroughly removing all oxides produced by the etching; then applying an oxidizing agent to said cleaned, etched image areas and by the resultant chemical action producing a grease receptive oxide, in situ, in said image areas; then applying to said grease receptive oxidized image areas, a greasy, oxidizable compound containing an oxidizing agent and, by the resultant chemical action, uniting, in situ, said compound with the previously formed oxides; and finally applying to the oxidized areas, an oxidizable ink-receptive mixture containing an oxidizing agent and, by the resulting chemical action, uniting the mixture, in situ, with the previously formed oxides.

2,042,004
SUPPLY PUMP FOR ENGINES
Max Hurst, Stuttgart, Germany, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany
Application October 17, 1934, Serial No. 748,651
In France October 20, 1933
4 Claims. (Cl. 103—207)



1. A supply pump of the type adapted to be driven by an engine or actuated manually, comprising a pump housing having a bore forming a pump cylinder, an end cap for said cylinder, a plunger reciprocative in said cylinder, a shaft adjacent one end of said housing for actuating said plunger from the engine, a hand lever mounted upon said end cap in a plane passing through the axis of said plunger, and a slide member operable by said hand lever to actuate said reciprocative plunger from a point adjacent said shaft, whereby normally inaccessible elements are actuated from the accessible end of said housing.

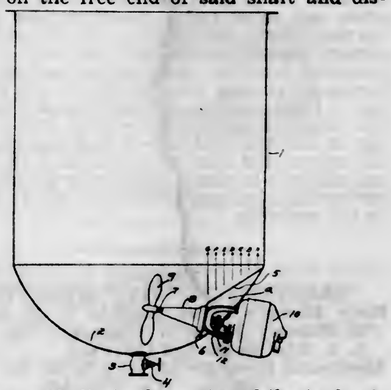
2,042,005
CAMERA FOR DUPLICATING RECORD CARDS
Le Roi E. Hutchings, Kenmore, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y.
Application September 9, 1933, Serial No. 688,810
12 Claims. (Cl. 88—24)



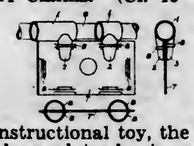
1. A camera of the class described, comprising a base, a transversely arranged substantially vertical supporting plate mounted on one end portion of said base, a sheet metal casing section having the free edges of the top side and end walls secured to the marginal portions of said supporting plate and base for cooperation therewith to provide a light-tight housing, one of said walls having an opening, a door having an opening hinged on said last-mentioned wall for closing the opening therein, an elongated flexible opaque sleeve mounted on the door over the opening therein and having a hand hole in the free end, latching means on the inside of said housing and door for retaining said door in closed position, a supporting tube having one end portion mounted on said supporting plate and projecting through an opening therein into said housing, a sensitized card holder on the end of said tube in said housing, said tube projecting over the end portion of said base opposite to said housing, a photographing unit mounted on the end of said tube opposite said housing for photographing the image of a card in a photographing position on said base plate under said unit, onto a sensitized card in said card holder, and a lamp carrying frame suspended from said photographing unit for illuminating a card to be photographed.

2,042,006
APPARATUS FOR TREATING LIQUIDS
William H. Jackson, Great Neck, N. Y.
Application January 21, 1933, Serial No. 652,837
6 Claims. (Cl. 259—106)

1. In an agitating apparatus, the combination comprising a tank having a substantially cylindrical waist portion, a bottom portion of substantially arcuate cross-section, the radius of such arc being from 50% to 60% of the diameter of the waist portion of the tank and said bottom portion being indented laterally thereof to form a support which extends, in proximity to the center of the bottom of the tank, for a propeller shaft and also to form a partial housing externally thereof for a motor, an electric motor mounted on said tank bottom externally thereof and partially housed within said indented portion of said tank, a propeller shaft operatively connected to said motor and projecting through such support and a propeller carried on the free end of said shaft and disposed in proximity to the center of the tank adjacent the bottom thereof.

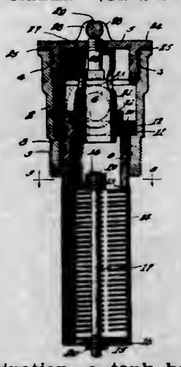


2,042,007
CONSTRUCTIONAL TOY ELEMENTS CONSISTING OF TUBES, PLATES, AND CONNECTING PIECES
Jerome Francis Kennedy, Berlin, Germany
Application May 25, 1934, Serial No. 727,492
In Germany May 31, 1933
14 Claims. (Cl. 46—29)



1. In a constructional toy, the combination of tubular members, plates having receiving means, and connecting members, each constructed to fit about one of said tubes, and having arms projecting therefrom side by side, constructed for insertion together into frictional engagement within another of said tubes, or for separate insertion into frictional engagement within said receiving means of a plate or plates.

2,042,008
WATER OUTLET AND SALT INLET DEVICE FOR WATER SOFTENERS
William J. Kenney, Chicago, Ill.
Application August 31, 1934, Serial No. 742,210
4 Claims. (Cl. 210—24)



1. In combination, a tank having a tubular open-ended neck, said neck having an outlet in

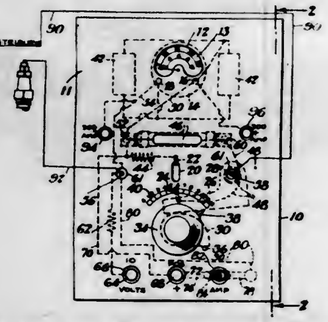
the side, an internal annular seat in the neck below said outlet and a second annular seat on the neck above said outlet, a rigid hollow conduit element provided at its lower end with a screen extending into the tank through said neck and having an annular shoulder above said internal seat, a thick, easily compressible gasket between said shoulder and the underlying seat, a screw cap on the outer end of said neck engaging with the outer end of said element to cause the aforesaid gasket to be compressed, and a second gasket between said cap and the outer annular shoulder on the said neck.

2,042,009

ELECTRICAL TESTING APPARATUS

Percy Bigmore Levitt, Bayside, N. Y., assignor to Doherty Research Company, New York, N. Y., a corporation of Delaware

Application December 31, 1934, Serial No. 759,835
3 Claims. (Cl. 175—183)



1. Apparatus for testing automotive electrical systems comprising a d'Arsonval milliammeter having volt and ampere graduations, a condenser shunted across the terminals of the milliammeter, a variable spark gap, a protective resistance connected in series with the spark gap, a neon tube shunted across the combination of spark gap and protective resistance, a permanent connection between the positive terminal of the milliammeter and the junction of protective resistance and neon tube, a pair of high voltage pin-jacks, a permanent connection between the negative terminal of the milliammeter and one of the high tension pin-jacks, and a permanent connection between the other high tension pin-jack and the junction of the neon tube and the variable spark gap; together with a low voltage pin-jack, a calibrated resistance one terminal of which is connected to the negative terminal of the milliammeter and the other terminal of which is connected to the low voltage pin-jack, a calibrated shunt, a second low voltage pin-jack connected to the positive terminal of the milliammeter and to one terminal of the calibrated shunt, a third pin-jack, a switch having two contact elements each connected to a separate terminal, together with an actuating pin connected to one contact element and journaled in the third pin-jack in position for displacement by insertion of a pin therein, the other terminal of such shunt being connected to the third pin-jack and to one terminal of the switch, and a permanent connection between the other terminal of the switch and the negative terminal of the milliammeter, said switch being normally held open by the spring setting of one contact element and closed by the insertion of a pin in said third jack.

2,042,010

FABRIC SPREADER

Arthur P. Lewis, New Bedford, Mass., assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application August 25, 1933, Serial No. 686,746
10 Claims. (Cl. 26—63)



1. A tentering device for sheet material consisting of a rotatable structure over which said material passes, said structure having a straight axis comprising deformable tentering units that are deformed by said material, said units having rubber edges to contact said material for urging same laterally both ways from its middle by reason of said deformation.

2,042,011

PRODUCING FLOCCULATION IN OIL WELL STRATA

Albert G. Loomis, Mount Lebanon Township, Allegheny County, Pa., assignor to Gulf Research & Development Corporation, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 6, 1934, Serial No. 756,361
8 Claims. (Cl. 166—21)

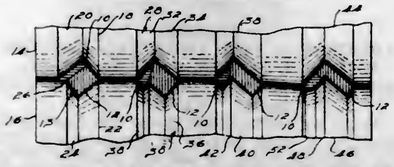
1. A method of differentially shutting off water in an oil well penetrating pervious formations carrying oil and saline water which comprises forcing into the well under pressure a supply of an aqeous fine grained inorganic sol capable of flocculation on contact with electrolytes, said sol being substantially free of electrolytes and being substantially free of particles coarse enough to be filtered out in capillary passages, continuing the pressure and the supply until the sol penetrates a substantial distance into the pervious formations and permitting the sol so penetrating to undergo flocculation in situ by diffusion of saline matter thereinto.

2,042,012

METHOD OF MANUFACTURING COMPOSITE DIES

Alexander Lumsden, Royal Oak, Mich., assignor to Forging and Casting Corporation, a corporation of Michigan

Application February 15, 1932, Serial No. 593,072
3 Claims. (Cl. 76—107)



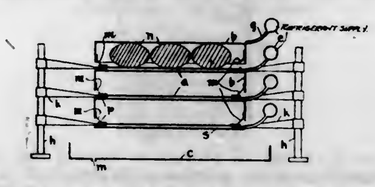
1. A method of forming composite dies which comprises welding a bar of tool steel upon a side face of a bar of machine steel, from 20 to 30 per cent of the steels being liquefied during such welding to provide a union having practically as great strength as that of the main body of the die formed, and then crowding the tool steel laterally with respect to the bar of machine steel until the tool steel has been crowded entirely to one side of the longitudinal centerline of said side face of the machine steel bar to provide a cutting flange along one edge of the machine steel bar.

2,042,013

FAST FREEZING APPARATUS

Duncan MacBride, Oak Bay, British Columbia, Canada

Application January 8, 1935, Serial No. 911
6 Claims. (Cl. 62—104)



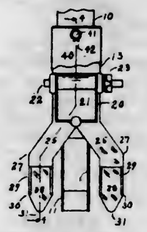
1. A fast freezing apparatus consisting of multiple drip-proof heat conducting containers made in two parts, a frame with vertically adjustable arms to support the said containers in a vertical position with relation to each other, horizontal guides attached to the said arms in pairs, refrigerant supply ducts and adjustable refrigerant conductors leading from the said ducts to the horizontal surfaces of said containers, substantially as set forth.

2,042,014

FERTILIZER DISTRIBUTOR

Clement W. Michael and William E. Michael, Racine, Wis., assignors to The Massey Harris Company, Racine, Wis., a corporation of Maryland

Application August 17, 1935, Serial No. 36,733
3 Claims. (Cl. 111—73)



1. A device of the class described, comprising a vertically disposed chute having means to be attached to the rear of a planter furrow opener, the lower end having two transversely downwardly diverging outlets terminating into two downwardly extending furrow openers, said openers positioned a distance in rear of said planter furrow opener and having a convex surface on their fronts for their length, said chute having an opening in its rear wall, a valve pivotally mounted at the top of said opening and adapted to close the same when hanging downward and to close said chute when in a horizontal position.

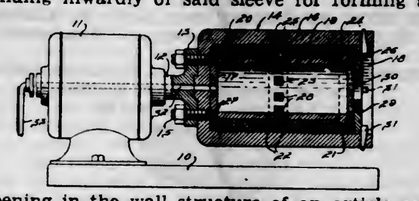
2,042,015

APPARATUS FOR CASTING SLEEVE-LIKE BODIES

Thomas A. Moormann, Pleasant Ridge, Mich., assignor to The Forging & Casting Corporation, a corporation of Michigan

Application September 10, 1934, Serial No. 743,376
2 Claims. (Cl. 22—65)

1. In centrifugal casting apparatus including a hollow casing having an open extremity, a lining sleeve comprising core material insertable in said casing and including an integral core extending inwardly of said sleeve for forming an opening in the wall structure of an article cast in said casing.



2,042,016

MANUFACTURE OF ARTIFICIAL SILK AND BY-PRODUCT RECOVERY THEREFROM

Adrian J. L. Moritz and Jan J. Schilthuis, Enka, N. C., assignors to American Enka Corporation, Enka, N. C., a corporation of Delaware

Application December 26, 1934, Serial No. 759,272
3 Claims. (Cl. 18—54)



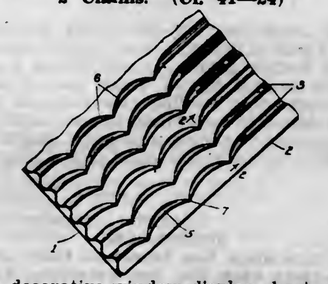
1. In the manufacture of artificial silk from viscose solutions wherein the solutions are extruded to form threads and the like and directly collected in package form, the process which comprises washing the freshly spun packages of artificial silk with an aqueous solution to eliminate the impurities and slightly soluble volatile by-products formed during the manufacture of the artificial silk, removing the thus charged solution to a separating zone, effecting the separation of the volatile by-products from the solution containing the other impurities, passing the separated voltatile by-products into a reserve zone and finally purifying the by-products while at all times maintaining them confined, whereby substantially all of the by-products contained in the silk are recovered and adapted for reemployment in the manufacture of artificial silk.

2,042,017

DECORATIVE CORRUGATED PAPER

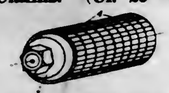
Herman C. Orchard, St. Louis, Mo., assignor to Orchard Paper Co., St. Louis, Mo., a corporation of Missouri

Application August 24, 1934, Serial No. 741,192
2 Claims. (Cl. 41—24)



2. A decorative window-display sheet comprising a corrugated facing sheet, and a backing sheet secured thereto, said facing sheet distorted along predetermined lines to form arcs extending along said corrugations in both directions from the point of distortion so as to form a predetermined portion of high-lights and shadows when said display is viewed in normal service.

2,042,018
METHOD OF PRODUCING MIRROR WHEELS
Hermann Papst, St. Georgen, Schwarzwald, Germany
Application December 23, 1932, Serial No. 648,711
In Germany December 23, 1931
2 Claims. (Cl. 29—148)

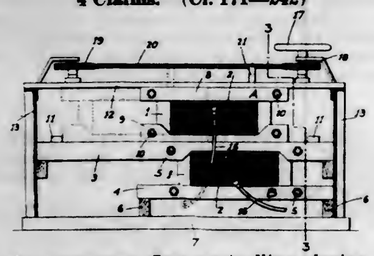


1. The method of manufacturing mirror wheels comprising setting up a wheel body on a dividing machine and cutting the mirror surfaces thereon by slowly advancing diamond tools so as to leave polished surfaces, all of the mirror surfaces being cut with one setting up.

2,042,019
PROCESS OF PREPARING THE REACTION PRODUCT OF HYDRATED ALUMINUM OXIDE AND GLUCONIC ACID
Richard Pasternack, Brooklyn, and William Ralph Giles, Richmond Hill, N. Y., assignors to Charles Pfizer & Company, Brooklyn, N. Y., a corporation of New Jersey
No Drawing. Application July 28, 1931, Serial No. 553,682
8 Claims. (Cl. 260—11)

1. The process of preparing reaction product of hydrated aluminum oxide and gluconic acid comprising reacting freshly prepared hydrated aluminum oxide and gluconic acid in water.

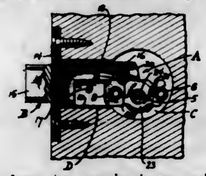
2,042,020
AMPERAGE FLOW CONTROLLING DEVICE
Charles C. Roe, Stockton, Calif.
Application May 31, 1935, Serial No. 24,378
4 Claims. (Cl. 171—242)



1. An amperage flow-controlling device comprising a pair of inductance coil units whose windings are flexibly connected and having E-shaped cores the central legs of which project through the corresponding windings, and disposed in close facing relation to each other, means mounting the units for relative sliding movement lengthwise of the cores, and means to control such sliding movement.

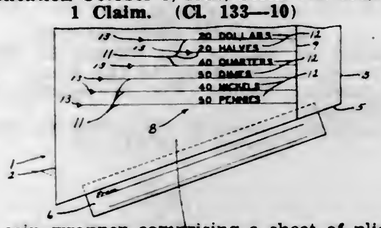
2,042,021
DOORLOCK
Walter R. Schlage, San Francisco, Calif., assignor to Schlage Lock Co., San Francisco, Calif., a corporation of California
Application October 22, 1934, Serial No. 749,388
5 Claims. (Cl. 70—29)

1. In a door latch of the character described a latch bolt, a latch bar secured thereto, a housing in which the latch bolt and bar are slidably mounted, an anchor plate secured to the inner end of the housing at a point below the latch bar and in alignment therewith, a roll-back member pivoted on the anchor plate, a notch formed in the lower side of the latch bar and adjacent the inner end thereof, a roll-back pin carried by the roll-back member and extending into the notch



of the latch bar to project or retract the latch bar and bolt when movement is imparted to the roll-back member, and a spring arm carried by the latch bar and bearing against the roll-back pin to produce a snap-over action when the latch bolt and bar are projected or retracted.

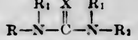
2,042,022
COIN WRAPPER
Fred C. Schmocker, Oklahoma City, Okla., assignor of one-half to Loyal J. Miller, Oklahoma City, Okla.
Application October 3, 1932, Serial No. 635,883
1 Claim. (Cl. 133—10)



A coin wrapper comprising a sheet of pliable transparent material, a base line upon the sheet, and a plurality of gauge lines spaced from the base line, the distance between the base line and each respective gauge line being equal to the combined thickness of a predetermined number of a different denomination of coin.

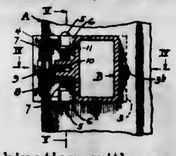
2,042,023
QUATERNARY HETEROCYCLIC UREA COMPOUNDS AND MANUFACTURE THEREOF
Fritz Schönhöfer and Hans Henecka, Wuppertal-Elberfeld, Germany, assignors to Winthrop Chemical Company Inc., New York, N. Y., a corporation of New York
No Drawing. Application August 5, 1932, Serial No 627,677. In Germany August 18, 1931
21 Claims. (Cl. 260—41)

8. The compounds of the general formula:



wherein R stands for a heterocyclic radical containing only nitrogen as a hetero member at least one of which is in its quaternary state, the N attached to R is linked to a ring carbon atom of the radical R, R_1 stands for hydrogen or alkyl, R_2 stands for hydrogen, alkyl, aralkyl of the benzyl series, aryl of the benzene and naphthalene series, or a heterocyclic radical containing only nitrogen as a hetero atom, and X stands for O or S, which compounds are whitish to yellowish crystalline products, soluble in water and mono- or polyvalent liquid alcohols, slightly soluble in benzene, nitrobenzene, ether or chloroform, and are characterized by a therapeutic action on blood parasites.

2,042,024
STRIKE PLATE
Walter R. Schlage, San Francisco, Calif., assignor to Schlage Lock Company, San Francisco, Calif., a corporation of California
Application October 3, 1933, Serial No. 691,955
7 Claims. (Cl. 292—340)



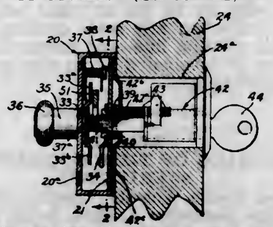
1. The combination with a metal door jamb having an opening formed therein, of a strike plate insertable in said opening, a slidable member mounted in each end of the strike plate, and springs engaging said members and normally projecting them outwardly from the ends of the strike plate, said members being yieldable and retractable when the strike plate is inserted in the opening in the jamb and automatically projected by the springs to engage the inner face of the jamb when the strike plate is fully inserted.

2,042,025
LOCK
Walter R. Schlage, San Francisco, Calif., assignor to Schlage Lock Company, San Francisco, Calif., a corporation of California
Application September 26, 1934, Serial No. 745,541
6 Claims. (Cl. 70—46)



1. In a cylinder tumbler lock having a housing, a rotatable key actuated plug and a plurality of tumblers cooperating with the plug and key, a projection on one end of the plug extending beyond the inner end of the housing, a detachable cap carried by the plug projection, said cap having an opening formed therein, a bayonet locking connection formed between the cap and plug projection, and a spring actuated pin forming an interlock between the cap and plug projection and preventing release of the bayonet lock.

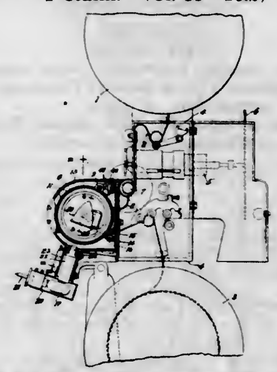
2,042,026
LOCK CONSTRUCTION
Adam Schoorel, New York, N. Y., assignor to Francis Keil & Son, Inc., a corporation of New York
Application January 31, 1934, Serial No. 709,127
58 Claims. (Cl. 70—14)



1. In lock construction, in combination, a casing having a bolt and bolt-operating means therefor, means on one side of said casing for manually actuating said mechanism, means accessible from the other side of said casing adapted upon actuation to operate said mechanism, said last-mentioned means having an aperture for receiving therethrough the operating bar of a key-controlled means, a member moved by said mechanism extending into engagement with and on one side of an operating bar extending through said aperture and having a length sufficient to maintain contact with said operating bar throughout its range of movement, and spring means for holding said member in contact with said operating bar and acting, upon removal of said operating bar, to swing said member to the other side of the axis of said aperture, whereby, upon insertion of an implement or the like through said aperture, the implement blocks movement of said member and said member precludes actuation by said second-mentioned means of said mechanism.

58. In look construction, in combination, a casing having a wall in which is rotatably mounted a crank, said crank being apertured at its axis and having an operating bar received through the aperture therein, movable bolt means within said casing and positionable in either locking or unlocking position and having means for coaction with said crank, whereby operation of said crank moves said movable bolt means into locking or unlocking position, and a safety device within said casing movably related to said movable bolt means and adapted to coact to block movement of said movable bolt means but being normally engaged by said operating bar and thereby held ineffective.

2,042,027
SOUND ON FILM REPRODUCTION
Louis J. Simons, New York, N. Y., assignor, by mesne assignments, to National Television Corporation, a corporation of Delaware
Application July 14, 1930, Serial No. 467,660
1 Claim. (Cl. 88—16.2)



In combination with a motion picture machine having an intermittent film moving device, a constantly driven film carrying sprocket spaced therefrom so as to permit a loop to be formed in the film between said intermittently driven device and said sprocket, an opening in the casing of said machine for access to said parts for threading said film therethrough, an auxiliary casing adapted to be attached to the casing of said machine and having an opening adapted to align with the opening therein, a drum rotatably mounted within said auxiliary casing, sprocket teeth on said drum to align with the sprocket openings in a motion picture film when the loop of said film is extended to pass around said drum, a spring pressed roller for frictionally holding the end of

said film adjacent said intermittently moving device against said drum, said drum being rotated solely by the film passing around it pulled by said constantly driven sprocket, means to frictionally resist the rotation of said drum, and means supported upon said auxiliary casing for translating a sound track on said film into electrical vibrations as said film passes around the periphery of said drum.

2,042,028

DOUBLE SHELL CAP FOR CONTAINERS

William G. Skutch, Toledo, Ohio, assignor to The Closure Service Company, Toledo, Ohio, a corporation of Ohio

Application October 12, 1934, Serial No. 748,093
1 Claim. (Cl. 215—43)



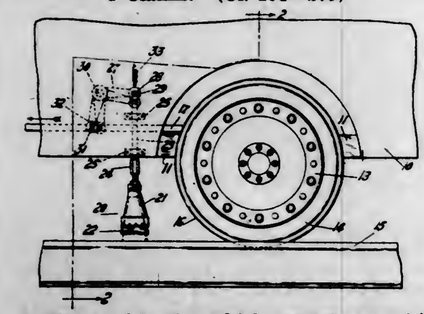
A cap comprising an inner shell and an outer shell nested together, each shell having a top portion and a depending skirt, the skirt of the inner shell having an intermediate portion formed with means for attaching the cap to the neck of a container, the portion of the skirt below said attaching means being extended vertically downward with its free edge facing downward, an annular series of curved corrugations formed on the lower marginal portion of said inner skirt and extending upward from said free edge, the margin of the outer shell being rolled inwardly around the margin of the inner shell, the free edge of the outer shell margin being scalloped to form an annular series of correspondingly curved projecting lugs, said lugs interlocking with said corrugations on the inner shell and thereby positively holding said shells against relative rotative movement.

2,042,029

RAIL WIPER

Clifford D. Smith, Fairlawn, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application October 19, 1932, Serial No. 638,459
3 Claims. (Cl. 104—279)



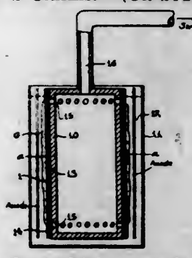
1. The combination which comprises a vehicle, a rubber-tired wheel thereon adapted for travel upon a track rail, brake mechanism for said wheel, means including a flexible wiper blade carried by the vehicle and constructed and arranged to be brought into wiping engagement with said track rail for removing moisture from the rail in advance of the wheel tire, and means for operating said moisture-removing means concurrently with the operation of the brake mechanism.

2,042,030

LAMINATED ARTICLE

Urlyn C. Tainton, Baltimore, Md., assignor to Tainton Research Corporation, a corporation of Delaware

Application July 8, 1932, Serial No. 621,489
2 Claims. (Cl. 204—6)



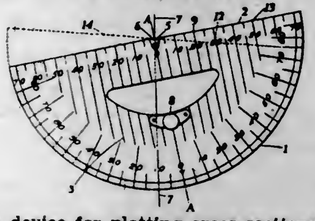
1. The method which comprises holding porous organic sheet material in close contact with a thin uniform sheet metal face providing member and at the same time electrolytically depositing metal through the pores of the sheet while thus placed and maintaining a pressure upon said porous sheet and said metal face sufficient to prevent their separation during electrolytic deposition and flowing the electrolyte under pressure through the fabric to replenish the metal content of the liquid adjacent the metal face and withdrawing the liquid in the direction of the plane of the fabric.

2,042,031

PLOTTING DEVICE

Charles Edward Hubert Watson, West Dulwich, London, England

Application December 11, 1933, Serial No. 701,904
In New Zealand October 21, 1932
7 Claims. (Cl. 33—1)



1. A device for plotting cross-sections along a plotting line comprising a semi-circular plate, scale divisions marked on the straight diametral edge starting from zero at the centre and reading outwards, angle divisions marked on the curved edge starting from zero perpendicularly opposite the zero of the diametral edge and reading outwards, indicia on the device for enabling the straight edge to be set at right angles to the plotting line when any scale division thereof is set on the plotting line, and means for enabling the device to be pivoted about the zero point in the diametral edge.

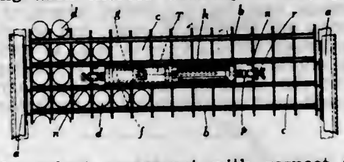
2,042,032

MOUNTING OF THERMOGRAPHS ON STERILIZERS

Ralph Waldo Webster, London, England

Application December 5, 1934, Serial No. 756,191
In Great Britain July 11, 1934
1 Claim. (Cl. 73—52)

In combination with a bottle carrier for use in a pasteurizing machine wherein the carrier is subjected to reversal, of a thermograph pendulously mounted in the carrier within the bottle carrying area thereof whereby it may partake



of independent movement with respect to the carrier to maintain the thermograph in a predetermined recording position regardless of carrier movement.

2,042,033

DECORATING FABRIC

William Witte, Glen Rock, N. J., assignor to National Dyeing & Printing Company, Paterson, N. J., a corporation of New Jersey

Application September 24, 1934, Serial No. 745,284
3 Claims. (Cl. 91—68)



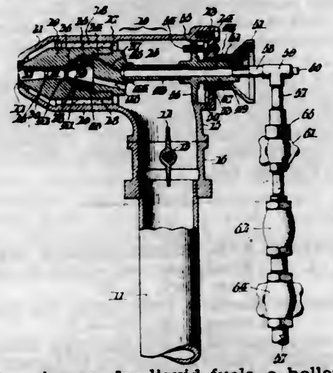
1. The herein described composite product comprising a fabric, a transparent flexible rubber carrier penetrating the fabric as to a given area and to substantially the full thickness of the fabric, and a light-emitting powder dispersed and immured in the carrier.

2,042,034

OIL BURNER

Daniel E. Wyman, Philadelphia, Pa., assignor to The Philadelphia Drying Machinery Company, Philadelphia, Pa., a corporation of Pennsylvania

Application February 16, 1934, Serial No. 711,499
9 Claims. (Cl. 158—76)



1. In a burner for liquid fuels, a hollow housing embodying a cylindric portion having one end tapering to provide an axial outlet orifice and at the other end a removable cover; an atomizer nozzle fitting the housing cylindric portion with provision of a surrounding secondary air-flow passage at its tapering end; said nozzle being provided with an axial Venturi passage in its forward part and with a rearward continuation including a communicating convergent, an intermediate cylindric, and outer screw-threaded sections respectively; a combined fuel-and-air distributor-head engaged in the threaded section and spaced from the other said sections to provide an intervening fuel-flow passage, said head having ducts connecting the fuel-flow passage with a common axial inlet at the rear of said head and intervening other ducts for conducting primary air to a forward axial-chamber in the distributor head; a conduit connecting the distributor-head to a source of fuel supply; and means whereby the atomizer nozzle is axially adjustable to vary the flow of secondary air to the burner outlet orifice.

2,042,035

LUBRICANT CONTAINING PSEUDOPIMARIC ACID AND THE PREPARATION THEREOF

Edward A. Brennan and Washington Hull, Savannah, Ga.

No Drawing. Application February 28, 1934, Serial No. 713,302
25 Claims. (Cl. 87—9)

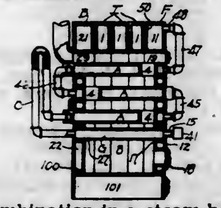
3. A lubricant comprising a lubricating oil and a salt of pseudopimaric acid, said acid having an elementary composition corresponding approximately to the formula $C_{20}H_{30}O_2$, and said acid having in its crude state a melting point of about 169° C. to about 181° C. and an optical angle of rotation, $[\alpha]_D$, of about plus 25° to plus 50° and having in its refined state a melting point of about 195° C. to about 198° C. and an optical angle of rotation, $[\alpha]_D$, of about plus 0.33°.

2,042,036

STEAM GENERATOR

Joseph Buckley, Methuen, Mass.

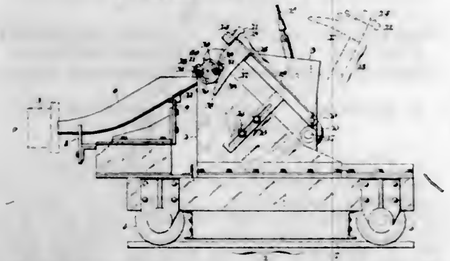
Application August 6, 1935, Serial No. 34,903
3 Claims. (Cl. 122—225)



1. The combination in a steam boiler of a plurality of vertical transverse intermediate sections, each including a dome part at the top, and side water legs on the inside of which are steam box supports; a front vertical transverse section including a dome part, a front water leg, a fire inlet and a smoke passage, a steam generator passage proximate the fire inlet, a plurality of steam box passages above the fire inlet, inspection doors and a steam generator feed nipple; a back vertical transverse section having a dome part, back water leg through which is a smoke outlet and a plurality of steam box passages together with a steam generator passage; a steam generator which extends from front to back through the steam generator passages; a plurality of steam boxes positioned in the steam box passages, each steam box having through one end, two vertical smoke passages between which are vertical baffles and having nipples at opposite ends at the front and back; a steam generator feed pipe which connects one end of the steam generator with its feed nipple in the water leg; a check valve in the generator feed pipe; a water column pipe which extends from the other end of the steam generator up to a point proximate the bottom of the steam dome sections thence down and into the lowest steam box; a steam outlet at the top of one of the sections and a water inlet in one

of the sections; and connecting pipes between the steam boxes and the top of the dome; there being steam and water passages at the top and bottom between the various sections.

2,042,037
TILTING LADLE
Louis A. Camerota, Burlington, N. J., assignor to Florence Pipe Foundry & Machine Company, Florence, N. J., a corporation of New Jersey
Application February 21, 1935, Serial No. 7,563
10 Claims. (Cl. 22—83)

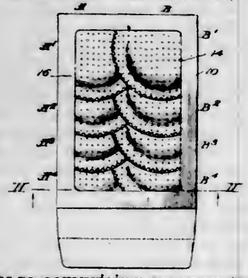


6. In combination, a support, a ladle tiltably mounted on said support, a skimming device pivoted on said ladle and having a blade extending across the mouth of the ladle, adjustable means on said support for determining the position of said blade when the ladle rests in its upright position, and cooperating parts on said ladle support and skimming device respectively and serving to move said blade into contact with the surface of the metal as an incident to the tilting of the ladle to discharge its content.

2,042,038
PLASTIC COMPOSITION
Robert I. Colmar, Port Neches, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application August 10, 1933, Serial No. 684,560
3 Claims. (Cl. 106—31)

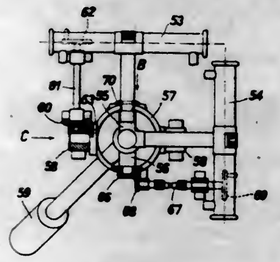
1. A composition of matter comprising a homogeneous mixture of asbestos, a water soluble fluoride and stabilized asphalt emulsion, said fluoride being in the proportion of approximately .39% of the quantity of said asphalt emulsion.

2,042,039
PACKAGE OF TEA-BAGS AND THE LIKE
Herman Cooper, Brooklyn, N. Y., assignor to Cooper Tea Packet Company, Brooklyn, N. Y., a corporation of New York
Application December 3, 1934, Serial No. 755,745
2 Claims. (Cl. 206—44)



1. A package comprising an open top box having marginal projections overhanging the space within the box, a plurality of filled tea-bags in said box, each of said tea-bags being smaller than the opening in the box between said marginal projections, said tea-bags being arranged so as to overlap one another in rows, and tea-bags in adjacent rows being arranged so as to also overlap one another, and the portions of the tea-bags adjacent the sides of the box being arranged under said overhanging marginal projections.

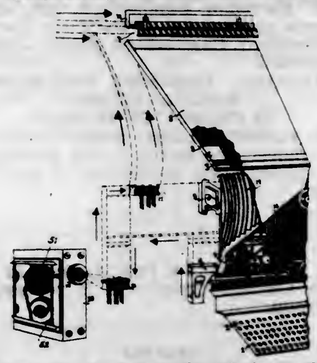
2,042,040
SIGHT LINE HORIZON DETERMINING MEANS
Otto Eppenstein, Jena, Germany, assignor to firm Carl Zeiss, Jena, Germany
Original application May 15, 1934, Serial No. 725,752. Divided and this application November 11, 1935, Serial No. 49,227. In Germany May 16, 1933
3 Claims. (Cl. 33—73)



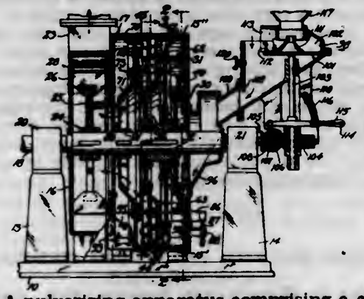
1. An apparatus for stabilizing the horizontal position of a plane surface of a body mounted on board ship, the said apparatus consisting of two stereoscopic rangefinders rigidly connected to each other and having stereoscopic marks at a constant apparent distance, the bases of the rangefinders lying in one plane and being at right angles relatively to each other, means mounting the said rangefinders cardanically about axes respectively parallel to said bases so that rotations of the rangefinders about the one Cardan axis entail corresponding variations of the elevation of the one rangefinder and that rotations about the other Cardan axis entail corresponding variations of the elevation of the other rangefinder, and two devices connected to said Cardan axes respectively for controlling and indicating the angular movements of said finders about the respective Cardan axes.

2,042,041
COMPOSING AND REPRODUCING DEVICE
Samuel I. S. Friedman and Otto I. Bloom, New York, N. Y.
Application March 9, 1935, Serial No. 10,183
6 Claims. (Cl. 95—4.5)

1. In an apparatus of the character described, a photographic camera stationed at normal casting box position in a line composing machine and replacing the usual casting box used thereat, a line composing machine including a set of opaque matrices bearing characters photographically reproducible as printed type impressions by said camera, said machine having means for delivering successive composed and justified lines of said matrices to the position which they would normally occupy in the conventional line composing and casting machine when being cast so that said lines may be successively photographed by the camera, said camera being provided with means for feeding a continuous strip of photographically sensitized material and having means for successively photographing the composed and justified lines of matrices in spaced relationship on said strip.



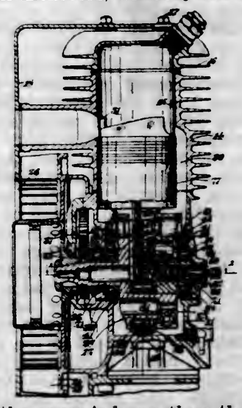
2,042,042
PULVERIZER
Martin Frisch, New York, N. Y., assignor to Foster Wheeler Corporation, New York, N. Y., a corporation of New York
Application May 4, 1932, Serial No. 609,167
27 Claims. (Cl. 83—11)



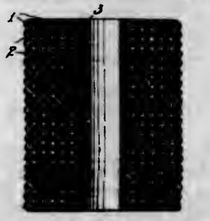
1. A pulverizing apparatus comprising a casing having an inlet and an outlet, means for supplying material to be pulverized to said inlet, means for moving a current of air through the casing, means within said casing for pulverizing said material comprising rotatable members, means for directing said material into contact with the radially outer portions of said members, and means independent of said members for redirecting said material back and forth through the plane of rotation of said members to said outlet.

2,042,043
RECIPROCATING ENGINE
Adalberto Garelli, Milan, Italy
Application January 2, 1934, Serial No. 705,013
1 Claim. (Cl. 121—194)

In a reciprocating engine the combination of a crank case, opposed main bearing housings therein, main bearings located in said housings and comprising outer raceways and rolling anti-friction members within them, a crankshaft rotatably mounted in said anti-friction members and comprising crankwebs located between them, cages for said anti-friction members, a flange carried by each cage in frictional engagement with the housings and the crankwebs beyond the anti-friction members, whereby the speed of the flanges on the cages is lower than the crankshaft and is moved by the anti-friction members.

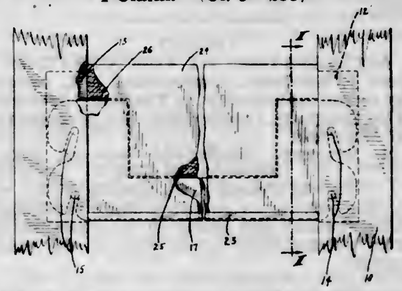


2,042,044
CONDENSER
William W. Garstang, Indianapolis, Ind., assigner to P. R. Mallery & Co., Incorporated, Indianapolis, Ind., a corporation of Indiana
Application August 22, 1932, Serial No. 629,808
9 Claims. (Cl. 175—315)



1. A condenser including an anode and cathode consisting of wires wound concentrically and separated by an absorbent spacer impregnated with an electrolyte.

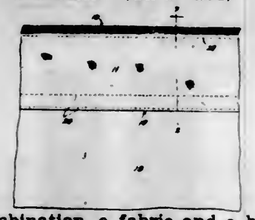
2,042,045
BED AND BEDRAIL
Vincent Giuseffi, South Orange, N. J.
Application August 10, 1935, Serial No. 35,580
1 Claim. (Cl. 5—286)



A bed rail comprising a single unitary rigid rail and a masking element, said rigid rail being of considerable length and including an elongated side plate, coupling members secured to said plate and extending upwardly beyond one

of the widthwise extremities of said plate, a pair of hooks being a portion of each of said coupling members, each coupling member having a pair of slots therein defining said hooks, another plate at an angle to said first mentioned plate, the length of said second mentioned plate being materially less than the distance between the inner effective extremity of two of said slots defining corresponding hooks and materially greater than the distance between the innermost edges of said coupling members, said masking element having a slot in the lower part thereof, said slot extending the full length of said masking element, said masking element having slots therein extending along the ends thereof and terminating at a point below the upper extremity thereof, said masking element being removably mounted on and supported by said rail, with said first mentioned plate and a portion of said coupling means being located in the slots in said masking element, and a portion of each of said coupling members being located beyond said masking element, said second mentioned plate extending a considerable distance beyond the inner surface of said masking element.

2,042,046
EDGE BINDING
Mary Burnley Gwathmey, New York, N. Y.
Application January 20, 1934, Serial No. 707,446
5 Claims. (Cl. 2—274)



1. In combination, a fabric and a binding for protecting the edge thereof, said binding including an elongated strip of material having a pair of longitudinally extending oppositely disposed band portions, disposed on opposite sides of the fabric adjacent its edge, and a longitudinally extending intermediate bight portion of transverse threads only providing a fringe-like connection between the oppositely disposed band portions for covering and protecting the edge of the fabric, and means adjacent the edges of the oppositely disposed band portions for securing the same to the fabric and the intermediate bight portion in spaced relation with the edge of the fabric.

2,042,047
ACCELERATORS OF VULCANIZATION
Albert F. Hardman, Cumberland, Md., assignor, by mesne assignments, to The Kelly-Springfield Tire Company, Cumberland, Md., a corporation of Maryland
No Drawing. Application June 26, 1933, Serial No. 677,679
14 Claims. (Cl. 18—53)

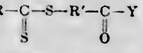
6. The vulcanized rubber product produced by heating rubber and sulfur in the presence of a rubber vulcanization accelerator of the general structure



where R represents a furyl radical, R′ represents an alkylene group and R^2 represents a hydrocarbon ester forming radical.

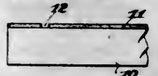
2,042,048
ACCELERATOR OF VULCANIZATION
Albert F. Hardman, Cumberland, Md., assignor, by mesne assignments, to The Kelly-Springfield Tire Company, Cumberland, Md., a corporation of Maryland
No Drawing. Application June 26, 1933, Serial No. 677,680
14 Claims. (Cl. 18—53)

6. The vulcanized rubber product produced by heating rubber and sulfur in the presence of a rubber vulcanization accelerator of the general structure



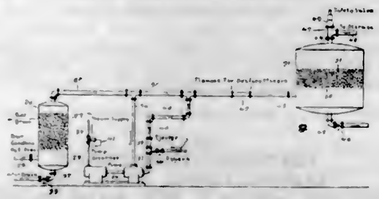
wherein R represents a furyl radical, R′ represents an alkylene group and Y represents an amino group.

2,042,049
METHOD FOR THE PRODUCTION OF DIALS, SCALES AND THE LIKE
Johannes Heidenhain, Berlin-Schlachtensee, Germany
Application May 20, 1935, Serial No. 22,350
2 Claims. (Cl. 95—5)



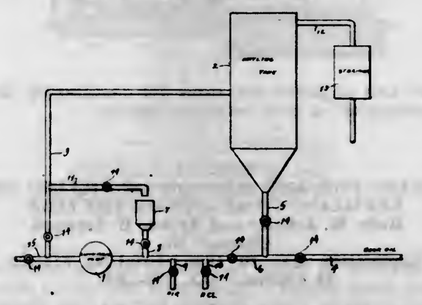
1. The method of producing dials, scales and the like, which consists in providing a transparent plate with a very thin layer of lead sulphide, cutting lines in such layer of lead sulphide, photographically contact copying said cut layer onto another plate having a thin lead sulphide coating thereon and having a coating of photograph material which will become hardened by exposure to light over the lead sulphide coating, devolving off the non-exposed photographic layer, and removing the unprotected lead sulphide by means of a suitable treating bath.

2,042,050
PROCESS FOR PURIFYING HYDROCARBON OILS
Charles O. Hoover, San Antonio, Tex., assignor to Bennett-Clark Co., Inc., San Antonio, Tex., a corporation of Texas
Application August 10, 1935, Serial No. 35,652
In Canada May 4, 1935
26 Claims. (Cl. 196—29)



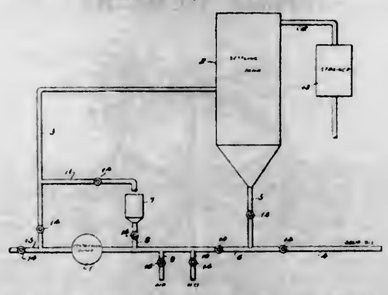
12. The process of sweetening a sour hydrocarbon oil which comprises contacting said oil, at substantially an atmospheric temperature, and substantially in the absence of water, with a mixture comprising an adsorbent material and a salt of a metal exhibiting variable valency which reacts with mercaptans to form mercaptides, and adding to the oil undergoing contact with said mixture, at least at intervals, an oxidizing agent which continues the sweetening power of said mixture.

2,042,051
PROCESS FOR PURIFYING HYDROCARBON OILS
Charles O. Hoover, San Antonio, Tex., assignor to Bennett-Clark Co., Inc., San Antonio, Tex., a corporation of Texas
Application September 9, 1932, Serial No. 632,462
Renewed February 10, 1936
5 Claims. (Cl. 196—29)



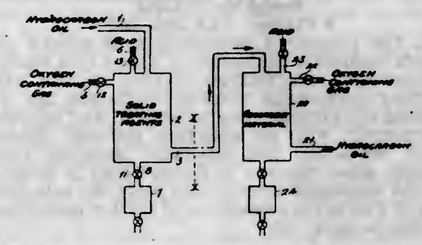
1. A process of treating sour hydrocarbon oil to sweeten same, which process comprises distributing within a body of the sour hydrocarbon oil, in the presence of gaseous oxygen added thereto, a substantially dry mixture comprising an adsorbent material and a salt of a metal which reacts with mercaptans to form mercaptides and the activity of which is maintained by said oxygen, separating sweetened oil from the mixture comprising the adsorbent material and said salt, and distributing the residual mixture in a further body of sour hydrocarbon oil in the presence of gaseous oxygen added thereto to sweeten said further body of sour hydrocarbon oil.

2,042,052
PROCESS FOR TREATING MINERAL OILS
Charles O. Hoover, San Antonio, Tex., assignor to Bennett-Clark Co., Inc., San Antonio, Tex., a corporation of Texas
Application May 25, 1931, Serial No. 539,887
Renewed June 4, 1935
7 Claims. (Cl. 196—29)



3. The process of treating sour hydrocarbon oil which exhibits a positive corrosion test to sweeten same and to render the same less corrosive, which comprises subjecting said oil, in the presence of added gaseous oxygen, to the action of solid treating agents comprising a compound of a metal forming organic sulphur metal compounds with substances in the oil imparting sourness thereto and which metal compound is maintained active by said oxygen, an adsorbent material, and a compound of a metal which reduces the corrosiveness of the oil.

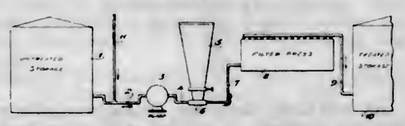
2,042,053
REFINING HYDROCARBON OILS AND VAPORS
Charles O. Hoover, San Antonio, Tex., assignor to Bennett-Clark Co., Inc., San Antonio, Tex., a corporation of Texas
Application March 26, 1932, Serial No. 601,403
14 Claims. (Cl. 196—28)



7. The process of treating hydrocarbon vapors to refine same including the sweetening thereof which comprises bringing said vapors in the presence of oxygen in contact with a solid salt acting as a carrier for oxygen, substantially in the absence of added reducing agent materially affecting the effect of the oxygen.

8. The process of sweetening sour hydrocarbon oil which comprises contacting said sour oil with a body of an agent which forms mercaptides with sour constituents in the oil and afterwards while the said oil contains mercaptides, contacting it with a body of adsorbent material in the presence of a gaseous fluid containing oxygen.

2,042,054
PROCESS FOR SWEETENING HYDROCARBON OIL
Charles O. Hoover, San Antonio, Tex., assignor to Bennett-Clark Co., Inc., San Antonio, Tex., a corporation of Texas
Application November 11, 1930, Serial No. 494,973
7 Claims. (Cl. 196—29)



2. The process for sweetening sour hydrocarbon oil distillates which comprises contacting same with a mixture comprising an absorbent earth, a compound reacting with mercaptans to form mercaptides, and a strongly oxidizing manganese compound.

2,042,055
PROCESS OF SWEETENING SOUR HYDROCARBON OIL
Charles O. Hoover, San Antonio, Tex., assignor to Bennett-Clark Co., Inc., San Antonio, Tex., a corporation of Texas
No Drawing. Application February 24, 1932, Serial No. 594,965
4 Claims. (Cl. 196—33)

1. The process of sweetening sour hydrocarbon oil which comprises contacting the oil with a lead compound forming organic lead sulphur compounds with the sour constituents of the oil and thereafter contacting the oil containing the said compounds with an adsorbent material in the presence of added oxygen.

2,042,056

PROCESS FOR SWEETENING SOUR PETROLEUM OIL AND THE REVIVIFICATION OF THE SWEETENING AGENT

Oscar Codier, Houston, Tex., assignor, by mesne assignments, to Bennett-Clark Co., Inc., San Antonio, Tex., a corporation of Texas

No Drawing. Application February 27, 1932, Serial No. 595,655
8 Claims. (Cl. 196—33)

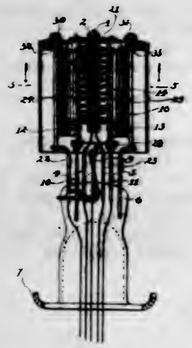
1. The process of sweetening sour mineral oil which comprises contacting it with a lead oxide-sodium hydroxide mixture to form organic lead sulphur compounds therein, contacting the so treated oil, while it contains organic lead sulphur compounds, with an adsorbent material, thereafter contacting the adsorbent material with caustic alkali solution to dissolve lead in combination contained therein, and using the said dissolved lead in the sweetening of further quantities of sour mineral oil.

2,042,057

ELECTRON DISCHARGE DEVICE

Alvin S. Hopping, Bloomfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, a corporation of Delaware

Application June 14, 1929, Serial No. 370,786
11 Claims. (Cl. 250—27.5)



1. An electron discharge device comprising a cylindrical cathode, a control grid surrounding said cathode and comprising an upright wire around which the grid is wound, an anode electrode surrounding said grid, a pair of metallic uprights supporting said anode, and projecting beyond the upper end thereof, and another cup shaped electrode surrounding said anode and insulatingly supported on the projecting ends of said pair of uprights, said cylindrical cathode being centrally supported within said grid.

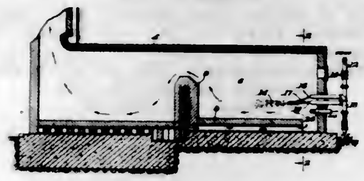
2,042,058

BURNER FOR CORROSIVE FLUIDS

Do Jefferson, Houston, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application February 11, 1933, Serial No. 656,258
1 Claim. (Cl. 158—4)

In a furnace formed with a fire box for burning corrosive liquids, a steam nozzle constructed to provide a fan-shaped jet of steam in said fire box, a liquid discharge nozzle positioned adjacent but out of contact with said first-named nozzle for discharging corrosive liquids in a fan-shaped stream upon said jet of steam and a burner for fluid fuel positioned beneath said nozzles and adjacent the same for facilitating the combustion of said corrosive liquids.

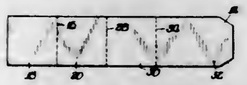


2,042,059

MEANS FOR AND METHOD OF FILLING OR REFILLING COMPACTS OR THE LIKE

Holly W. Jeffries and Arthur B. Steward, Chicago, Ill.

Application May 16, 1932, Serial No. 611,523
28 Claims. (Cl. 132—82)



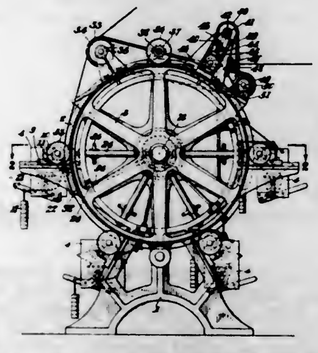
1. A refilling device for compacts or the like, comprising a piece of material folded upon itself to provide superimposed portions, and means for securing adjacent portions together to form a destructible joint and provide a compartment for holding material, said piece of material having a tab for breaking said joint to discharge said material from said compartment said tab being connected at one end thereof to said material adjacent to said joint.

2,042,060

MULTICOLOR PRINTING MACHINE

Frank F. Kaiser, Montrose, N. Y., assignor to John Waldron Corporation, New Brunswick, N. J., a corporation of New Jersey

Application October 26, 1934, Serial No. 750,041
7 Claims. (Cl. 101—182)



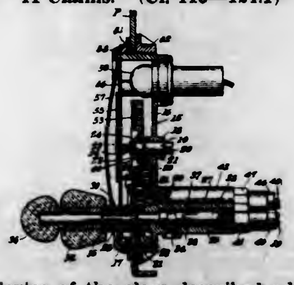
1. In a multi-color printing machine, an impression cylinder, a plurality of printing rolls for said cylinder, said printing rolls frictionally surface driving said impression cylinder, means for moving said printing rolls toward and from said printing cylinder simultaneously and in parallel alinement with said impression cylinder.

2,042,061

RADIO CONTROL HEAD

Nathan A. Karlin, Brooklyn, N. Y., assignor to Kay Products of America, Brooklyn, N. Y., a corporation of New York

Application May 9, 1935, Serial No. 20,637
11 Claims. (Cl. 116—124.1)



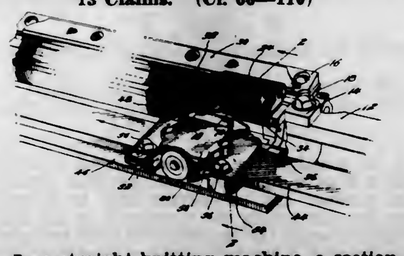
1. A device of the class described adapted for mounting on the instrument panel of an automobile or the like comprising a tuning head, an adapter ring carried thereby, offset portions on said adapter ring engageable against the inner surface of said panel, an escutcheon plate positioned against the outer surface of said panel, and means in the head for indicating the position of a radio receiver tuning condenser, said escutcheon plate being apertured to render visible said indicating means.

2,042,062

SLUR CAM PARTICULARLY ADAPTED FOR USE IN STRAIGHT KNITTING MACHINES EMPLOYING HORIZONTALLY RECIPROCATABLE SINKERS

George F. Kettleband, Providence, R. I., assignor of one-half to John W. Staton, West Barrington, R. I., and J. William Staton, Cranston, R. I.

Application November 16, 1934, Serial No. 753,364
13 Claims. (Cl. 66—110)



1. In a straight knitting machine, a section of horizontally reciprocatable sinkers, a cooperating number of jacks each vertically pivotally mounted on said machine to horizontally reciprocate its respective sinker, a slur cam guide bar stationarily and a slur cam bar reciprocally mounted in the rear thereof, and a slur cam for pivoting said jacks comprising a plate mounted on said slur cam guide bar and attached to said slur cam bar and having ribs projecting upwardly therefrom forming a transverse guideway and stop means projecting upwardly substantially centrally of the rear portion of said guideway and a lug projecting rearwardly therefrom slightly spaced from the center thereof, a transversely movable slide mounted in said guideway to have the side walls continuously abut the front and rear portions of said ribs and to project forwardly beyond the front edge of said plate having a central transverse slot and a screw projecting substantially centrally rearwardly thereof, a flat slur cam plate having on the front cam edge thereof a flat central portion and portions tapering rearwardly therefrom and the rear end thereof secured underneath the front projecting end of said slide, spring means abutting said stop means and the front end of said slot to yield to permit rearward movement of said slur cam slide, a circular nut having teeth on the periphery thereof threadedly adjustably mounted on said rearwardly projecting screw means having the front edge thereof abutting said plate lug, and a flat spring projecting from said plate over said teeth terminating in an end slidable over said teeth on turning of said nut to engage a tooth to retain said slide and slur cam in adjusted position permitting movement of said nut rearwards in retained adjusted position on rearward movement of said slur cam and slide and plate means mounted on said ribs and extending over said slide to retain said slide within said guideway.

2,042,063

RUBBER CEMENT

Robert J. King and Elizabeth C. King, Stamford, Conn., assignors to The Robert J. King Company, Inc., Stamford, Conn., a corporation of Connecticut

No Drawing. Application July 25, 1934, Serial No. 736,906
19 Claims. (Cl. 134—17)

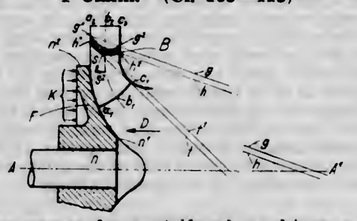
1. The method of reducing the churning time required for the manufacture of non-aqueous rubber cement from ingredients including rubber and organic solvents, and simultaneously producing a cement of low viscosity, which comprises adding to the churn, in addition to the ingredients, such as rubber and organic solvent, from which the cement is to be made, a small amount of a sulfonated hydrocarbon as an activator.

2,042,064

RUNNER FOR CENTRIFUGAL MACHINES

Fritz Kugel, Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Co., Inc., New York, N. Y., a corporation of New York

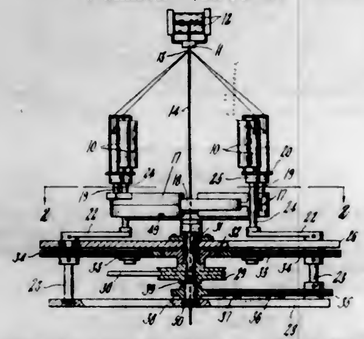
Application December 22, 1933, Serial No. 703,547
In Germany December 24, 1932
1 Claim. (Cl. 103—115)



In a runner for centrifugal machines, a hub, blades on said hub, said hub acting as the sole means for supporting the blades, said blades extending beyond the hub to form open free blade parts defining open channels, the meridian sections of the free blade parts being of arcuate contour generally inclined toward the entrance side of the axis of the runner, the meridian sections having contours which form the front and rear faces, respectively, of the blades, the lines passing through the terminal points of the front and of the rear faces, respectively, of said meridian sections intersecting the axis of the runner at its entrance side, and the tangents to

the front and rear faces of the meridian sections at the side of the runner remote from its entrance side also intersecting said axis at the entrance side of the runner, whereby reactive forces, set up when the blades are operated upon, act in opposition to the axial thrust of the runner.

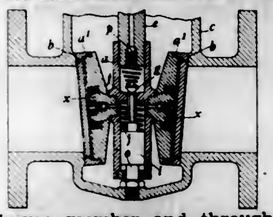
2,042,065
BRAIDING MACHINE
Chester M. Lawson, Lynnfield, and Benjamin Hutnick, Malden, Mass.
Application February 5, 1935, Serial No. 5,038
7 Claims. (Cl. 96—3)



1. In a braiding machine, a rotary disc provided with recesses extending inwardly from its periphery, inner spool carriers arranged on opposite sides of said disc and each slidably engaged over part of its peripheral portion, means on said disc for guiding said carriers in a fixed circular path on said disc, a rotary member whose axis of rotation is coincidental with that of said disc and having a plurality of fingers successively engageable in and disengageable from said carriers but at least one of which is constantly engaged with each of said carriers, means for rotating said member in one direction to cause movement of said carriers in their fixed circular path on said disc, means for actuating said fingers during the rotation of said member to cause them successively to engage and disengage each carrier, disengagement creating a local gap between the carrier and said member, means for rotating said disc in a direction opposite to that of said member, outer spool spindles movable in separate fixed outer circular paths intersecting said fixed inner circular path, and means for causing each of said outer spool spindles to move in its outer path and in such timed relation to said disc and said fingers as to cause each outer spool spindle to enter into a disc recess and pass through the local gaps created between said carrier and said member across the inner side of an inner carrier in each revolution of an inner carrier.

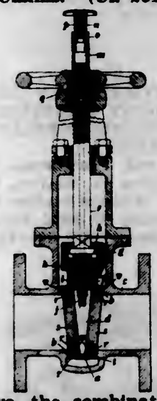
2,042,066
VALVE
Robert William Leach and William Henry Bateman, Newport, England
Application December 29, 1932, Serial No. 649,272
In Great Britain January 2, 1932
2 Claims. (Cl. 251—51)

1. In valves of the sluice type, the combination of a hollow closure member movable onto and away from a seating, said closure member being provided with lubricant distributing channels connecting the interior of the closure member with the working surfaces of said member, a lubricant reservoir in communication with the interior of the closure member, a spring-controlled piston in the closure member, a fixed abutment by which engagement with the piston during the closing movement of the closure member causes the piston to force lubricant out of the interior



of the closure member and through the distributing channels to reach the working surfaces of the closure member, and valve means for controlling communication between the lubricant reservoir and the interior of the closure member.

2,042,067
VALVE
Robert William Leach and William Henry Bateman, Newport, England
Application January 17, 1933, Serial No. 652,128
In Great Britain February 23, 1932
7 Claims. (Cl. 251—51)



1. In a valve, the combination of a movable hollow closure member, a seating with which the said member can co-operate, and an operating stem for controlling the movement of the closure member toward the seating, said stem being movable through a limited distance relatively to the closure member and adapted by supplemental movement after it has seated the closure member to express lubricating or sealing substance from the interior of the closure member to the working surfaces of the seat and closure member and means for preventing the delivery of lubricant to at least a part of said interior after the operating stem has performed its supplemental movement in a reverse direction to that required for expressing the lubricant, substantially as described.

2,042,068
SIFTER TOP
Alex Limbach, Carmel, N. Y.
Application February 8, 1935, Serial No. 5,629
9 Claims. (Cl. 221—62)

1. A sifter top comprising a member having a neck, and a closure for said neck comprising a throat portion loosely fitting within said neck, there being a space between the exterior of said throat portion and the interior of said neck adapted for the passage of finely-divided material therethrough, an imperforate outer end, a portion intermediate said end and said throat adapted for frictional contact with said neck and



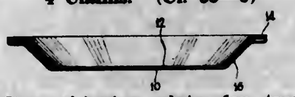
to substantially prevent the escape of finely-divided material between said portion and said neck when said portion is in frictional contact with said neck, and stop means for preventing the withdrawal of said throat from said neck but permitting limited free longitudinal movement of said throat in said neck.

2,042,069
RESILIENT COUPLING
Albrecht Maurer, Bad Hamburg v. d. Hohe, Germany, assignor to American Voith Contact Company, Inc., New York, N. Y., a corporation of New York
Application February 15, 1933, Serial No. 656,773
In Germany February 20, 1932
10 Claims. (Cl. 64—15)



1. A resilient coupling comprising coupling halves provided with recesses parallel to the axis of said coupling halves, a resilient coupling element constructed substantially in the form of an open loop and having a circular cross section, the ends of said coupling element being aligned and movably engaging the recesses.

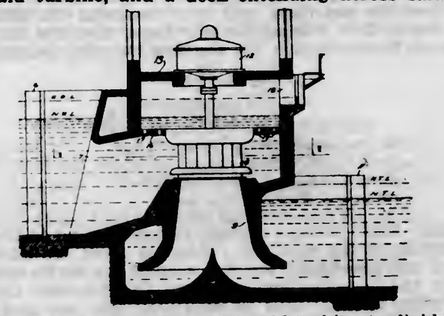
2,042,070
BAKING PLATE AND METHOD OF USING THE SAME
William M. McCaskell, Philadelphia, Pa.
Application October 5, 1934, Serial No. 746,945
4 Claims. (Cl. 53—6)



2. A fibre shipping plate for transporting cooked pie, such plate being of such strength that it will independently support a cooked pie so that it may serve as a shipping medium, such plate being of such thinness that it does not materially impede heat transfer from a source of heat through a metal baking plate, said fibre plate being relatively weak with respect to uncooked pie and requiring a baking plate support, said fibre plate being normally supported during baking operations and normally supporting the pie during shipment.

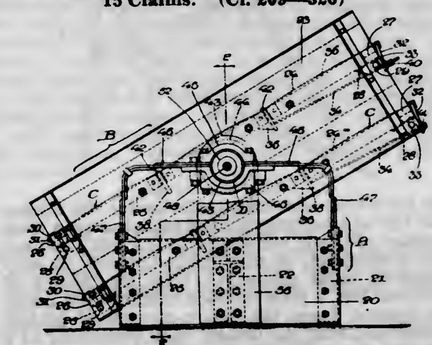
2,042,071
HYDRAULIC TURBINE
Arnold Pfau, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application October 8, 1934, Serial No. 747,286
6 Claims. (Cl. 253—117)

1. In a hydraulic turbine installation, a flume for guiding the flow of water, a hydraulic turbine mounted in said flume, the lateral walls of said flume being formed to provide partial oppositely directed spiral casings for distributing water to said turbine, and a deck extending across said



flume and cooperating with said turbine to divide said flume substantially into a plurality of intercommunicating chambers, one of the chambers functioning as a surge chamber for said flume.

2,042,072
SCREENING APPARATUS
Samuel Davis Robins, Hewlett, N. Y., assignor to Robins Conveying Belt Company, Passaic, N. J., a corporation of New Jersey
Application June 21, 1932, Serial No. 618,434
15 Claims. (Cl. 209—326)

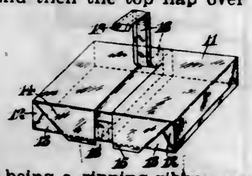


5. In a screening apparatus, a live frame including a screening surface, a vibrator comprising a vibratory element fixed to and supporting said live frame, said element having its longitudinal axis extending transversely of the frame and relatively close to the center of gravity of the frame, a shaft journaled in and wholly supported by said vibratory element co-axially with the latter, and a mass element operatively mounted on said shaft to rotate therewith and contact with and actuate the vibratory element, and substantially rectangular spring structures for supporting the respective ends of said vibratory element, said structures extending longitudinally of the live frame.

2,042,073
CIGARETTE PACKAGE
Alfred German Rose, Gainsborough, England, assignor to Rose Brothers (Gainsborough) Limited, Gainsborough, England, a British company
Application August 1, 1935, Serial No. 34,198
In Great Britain April 25, 1934
2 Claims. (Cl. 229—51)

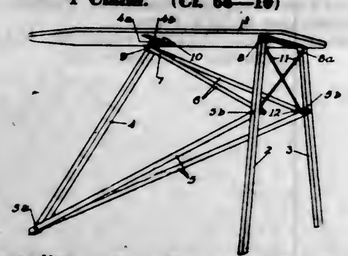
1. A package having a wrapper extending in a continuous manner from one end over the top,

around the opposite end and the bottom to the first end, the sides of the package being enclosed by first folding the side flaps at the said opposite end of the package, then the bottom flaps, and then the top flaps, and then enclosing the first end by first folding the side flaps, then the bottom flap and then the top flap over the bottom



flap, there being a ripping ribbon secured to the inside of the wrapper, extending from the edge of last mentioned top flap around the entire box to the last mentioned bottom flap whereby the entire wrapper may be separated into two parts from the end having four folded flaps.

2,042,074
FOLDABLE IRONING TABLE
Charles W. Sadenwater, Saginaw, Mich., assignor to Saginaw Manufacturing Co., Saginaw, Mich., a corporation of Michigan
Application July 29, 1935, Serial No. 33,664
1 Claim. (Cl. 68—10)



A spreading and bracing device for the hinged rear legs of a foldable ironing table having a truss member pivotally connected to the legs, said device comprising, in combination, pivots in substantially axial alinement with the hinges of said rear legs, a pivot on each locking truss member spaced from the above-mentioned pivotal connection, rear leg braces, each consisting of a rod-like member having ends bent and offset to present the said axially alined pivot and the said spaced pivot, respectively, said brace connecting one of said axially alined pivots with the diagonally opposite spaced pivot on the locking truss member.

2,042,075
FOLDABLE IRONING TABLE
Charles W. Sadenwater, Saginaw, Mich., assignor to Saginaw Manufacturing Co., Saginaw, Mich., a corporation of Michigan
Original application July 29, 1935, Serial No. 33,664. Divided and this application January 20, 1936, Serial No. 59,921
1 Claim. (Cl. 68—10)



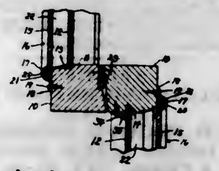
A spreading and bracing device for the hinged rear legs of a foldable ironing table having truss members pivotally connected to the legs, said device comprising, in combination, pivots in axial alinement with the hinges of said rear legs, an angle lug mounted on each of said alined pivots, a pivot on each locking truss member and radially spaced from the above-mentioned pivotal connection of said truss member and its associated rear leg, an angle lug on each radially spaced pivot on the locking truss member, and intersecting rear leg braces, each consisting of a bar-like member pivoted at its ends to a diagonally disposed pair of said angle lugs.

2,042,076
BLANKET FOR PRINTING PRESSES
William M. Shultz, Eureka, Kans.
Application April 26, 1932, Serial No. 607,582
4 Claims. (Cl. 154—54.5)



1. A packing blanket for the impression cylinders of printing presses, consisting of a base layer of granulated fibrous composition which is substantially equal to and limited to the printing surface of the circumference of the cylinder, an upper layer of fabric and rubber upon the fibrous layer being thinner than the latter and extending beyond the same to provide for anchorage and avoid creating any hump at the edge of the cylinder, and adhesive means connecting said layers together, all of which has been cured and vulcanized and constitutes a single unit.

2,042,077
WINDOW GLASS INSULATION SYSTEM
Samuel A. Stoneback, Philadelphia, Pa.
Application August 29, 1934, Serial No. 741,891
5 Claims. (Cl. 20—56.5)

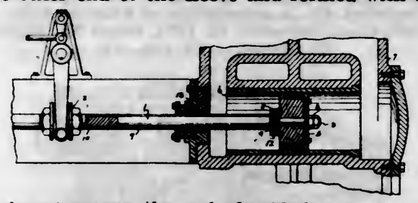


1. A frame having a primary pane of glass therein, a secondary pane of glass placed against one face of said frame in spaced parallel relation to the primary pane to form a dead air space, a chambered moulding secured to the frame and overlapping the margins of the secondary pane, and a plastic composition in the chamber of the moulding to make an air tight joint between the secondary pane and the frame.

2,042,078
PUMP ROD ASSEMBLY
Charles E. Suhm and Leo S. Ankenbruck, Houston, Tex., assignors of one-fourth to Antoine Cossette and one-fourth to Paul J. Hesse, both of Harris County, Tex.
Application July 20, 1934, Serial No. 736,164
1 Claim. (Cl. 74—579)

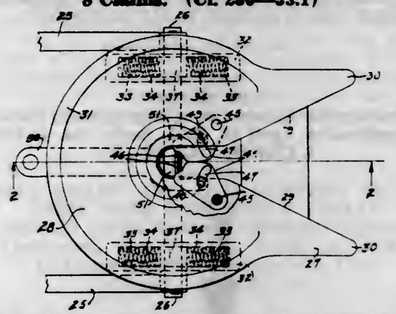
A pump rod assembly comprising a rod, one end of which is reduced to be fitted through a piston, said rod having an abutment formed by reduction of said end, a nut screwed onto said rod, one end of which has an undercut groove and whose other end is approximately flush with said abutment so as to bear against said piston, a

sleeve on the rod of less diameter than the nut and one end of which is tapered to fit into said groove, an annular shoulder on the rod adjacent the other end of the sleeve and formed with an



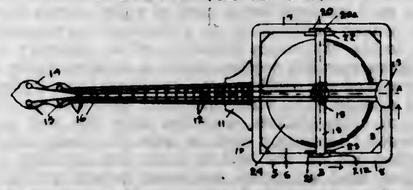
undercut groove, the end of said sleeve adjacent said last mentioned groove being tapered to fit into said groove.

2,042,079
AUTOMOTIVE VEHICLE
Howard E. Swift, Westfield, Mass., assignor to The Martin Trailer Company, Westfield, Mass., a corporation of Massachusetts
Original application April 24, 1930, Serial No. 446,969. Divided and this application June 25, 1932, Serial No. 619,206. Renewed October 24, 1935
8 Claims. (Cl. 280—33.1)



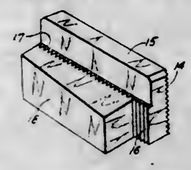
2. In a coupling device for semi-trailers including a plate having a slot therein, a king pin to enter said slot and be secured therein, the combination of a pair of locking members each provided with a camming slot, one on either side of said slot and pivotally movable into pin securing position, slidable means mounted on said plate and carrying pins cooperating with said camming slots to connect said means and members for oscillating said members by movement of said means.

2,042,080
STRING MUSICAL INSTRUMENT
Frank Turner, New York, N. Y.
Application June 24, 1932, Serial No. 619,059
7 Claims. (Cl. 84—296)



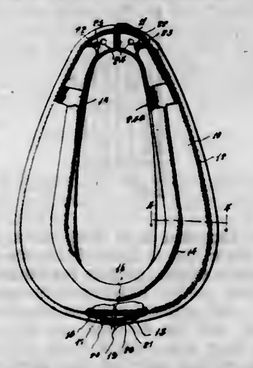
1. A stringed musical instrument including a hollow body, string connecting and tensioning means arranged on the body, a resilient member supported on the body at its outermost portions only and having its inner portion free to vibrate, a bridge supported on an inner vibratable portion of the resilient member, strings stretched over the body and engaging the bridge, and a diaphragm positioned in the body and operatively connected to an inner portion of the resilient member adjacent to the bridge mounting.

2,042,081
INSERTED BLADE TYPE CUTTER
Donald E. Van Deusen and Herman Berg, Cleveland, Ohio, assignors to The Kelly Reamer Company, Cleveland, Ohio, a corporation of Ohio
Application September 13, 1935, Serial No. 40,452
4 Claims. (Cl. 29—105)



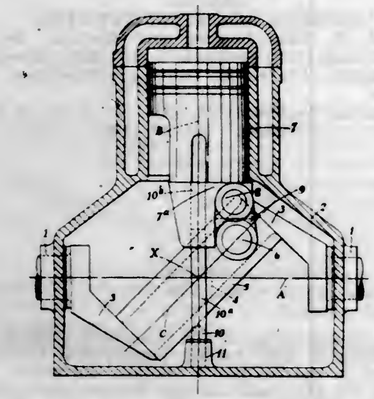
3. A rotary cutter of the insertable blade type comprising a body having longitudinal tapered grooves in the periphery thereof, serrations in one of the side walls of said groove converging with the axis of rotation of said body, a blade, serrations in one face thereof and engaged with the serrations in the wall of said groove, radial serrations in the opposed face of said blade, a wedge, radial serrations in a face thereof engaged with the radial serrations in the blade, the opposed face of said wedge being smooth and longitudinally engaged with the other side wall of said tapered groove, whereby said wedge and said blade may be simultaneously retracted from said groove.

2,042,082
AIR CUSHION HORSE COLLAR
Lonnie L. Vardell, Puxico, Mo., assignor, by direct and mesne assignments, of one-fourth to J. H. Law and one-fourth to J. Briton Reasons, both of Puxico, Mo.
Application December 26, 1935, Serial No. 56,297
3 Claims. (Cl. 54—19)



1. A horse collar having a hollow body and an opening at the lower portion thereof, a U-shaped cushioning member mounted in said body by insertion through said opening and filling the hollow thereof, the ends of said body having eyelets to facilitate engagement by a pulling instrument.

2,042,083
DRIVING MECHANISM FOR ENGINES, COMPRESSORS, PUMPS, AND OTHER MACHINES
Richard Edward Watts, Stamford, England
Application November 12, 1934, Serial No. 752,793
In Great Britain November 16, 1933
14 Claims. (Cl. 74—50)



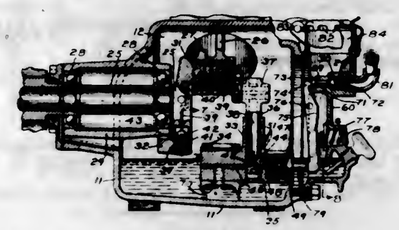
1. A machine having in combination a crank shaft including an inclined crank pin with its axis intersecting the crank shaft axis, and a piston connected to the crank pin and having its axis intersecting the point of intersection of the crank shaft and crank pin axes, whereby the piston has a reciprocating movement and an angular movement about its axis.

2,042,084
AUTOMATIC DOOR GUIDING MECHANISM
John F. Winn, Jr., Norfolk, Va., assignor to The J. G. Wilson Corp., Norfolk, Va., a corporation of Virginia
Application February 5, 1935, Serial No. 5,096
13 Claims. (Cl. 20—20)



1. In combination in a door, of a plurality of equal size door leaves hinged to one another at their alternate edges, means for suspending said doors on their center lines equi-distant from the end of each leaf, whereby when the doors are extended they will be aligned on the center line and when they are folded they will be equally disposed on either side of the center line, and means to guide one of the leaves, said guiding means being pivotally connected to a leaf adjacent one end of the door at a point removed from the edge of the door and pivoted at its other end to an adjacent support disposed to one side of said center line.

2,042,085
COMPRESSOR UNLOADER
Burton S. Aikman, Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application November 11, 1933, Serial No. 697,669
19 Claims. (Cl. 230—27)



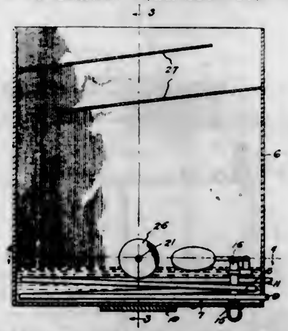
1. The combination with a multi-stage compressor having a low pressure compression chamber having an outlet, a high pressure compression chamber having an inlet and containing a piston, and an intercooler connecting the said outlet and said inlet, of an unloader comprising a passage controlled by said piston for establishing communication from said high pressure chamber to said intercooler and a speed responsive means for opening said intercooler to the atmosphere.

2,042,086
SKI CLAMP
Herménégilde Aubert, St. Adele, Quebec, Canada
Application April 29, 1935, Serial No. 18,828
2 Claims. (Cl. 24—81)



1. A ski clamp, comprising a pair of complementary clamp sections hingedly connected at one end, said sections being bent at right angles from the hinged connection, at a distance corresponding to the minimum thickness of an ordinary ski to form parallel section jaws, a pivoted plate at one end of one section, a bolt secured to said plate and adapted to swing into slots provided at the end of each section, a spring over the bolt and between the section ends to urge the same apart, a wing nut on the bolt to force the sections together, and ski poles retaining means provided on bulges centrally formed on the section jaws for accommodating ski poles inserted therein against a pair of skis in longitudinally assembled relation and embraced by the clamp.

2,042,087
REFRIGERANT CONDENSING APPARATUS
Sheridan Joseph Best, Dallas, Tex., assignor of three-fifteenths to Thomas T. Lewis, two-fifteenths to Joseph J. Eckford, and one-fifteenth to Paul T. McMahon, all of Dallas, Tex.
Application August 7, 1935, Serial No. 35,211
9 Claims. (Cl. 257—37)



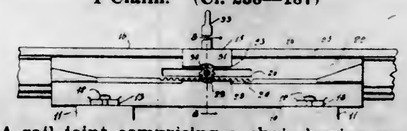
1. A refrigerant condensing apparatus comprising a container, a condensing coil in the bottom of said container, a shaft extending through said container immediately above said coil, water lifting means on said shaft in said container above said coil, air propelling apparatus on said shaft outside of said container, said container having an opening opposite said air propelling apparatus, means for simultaneously operating said air propelling apparatus and water lifting means.

2,042,088
DRILL SHAFT AND BIT ADAPTED TO BE USED WITH PERCUSSIVE DRILLS
Reginald Asline Bedford, Sheffield, England
Application May 6, 1935, Serial No. 20,061
In Great Britain September 26, 1934
7 Claims. (Cl. 255—64)



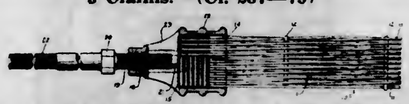
1. In a rock drill, a detachable bit comprising an axially holed relatively hard metal stock formed with an enlarged drilling or cutting end and a taper socketed other or opposite smaller end adapted to receive the tapered end of an axially holed drill shaft and a relatively soft metal axially holed tapered comparatively thin liner of uniform thickness located non-extrudibly between the parts and physically associated with the inner wall of said socketed end so as to be integrally attached thereto and to function therewith devoid of movement relative to its associated wall during movement of the shaft relative to the bit.

2,042,089
RAIL JOINT
Robert F. Bolam, Tampa, Fla.
Application August 21, 1935, Serial No. 37,221
1 Claim. (Cl. 238—187)



A rail joint comprising a chair having an intermediate portion of rail shape adapted to be abutted by the rails, portions of channel shape receiving the rails on opposite sides of said intermediate portion, a sliding bar to fasten the chair and rails together held in place by the chair engaging the first-mentioned portion and being disposed in each of said channel-shaped portions, fastening means passing through said intermediate portion having a locking member engaging said bar, said bar having a slot, said fastening means passing through said slot, interengaging teeth between said locking member and said bar, and a flange on the intermediate portion interengaged with said locking member.

2,042,090
CABLE CLAMP
Thomas K. Cummins, St. Paul, Minn., assignor to Northern Malleable Iron Company, St. Paul, Minn., a corporation of Minnesota
Application July 29, 1933, Serial No. 682,815
3 Claims. (Cl. 287—75)

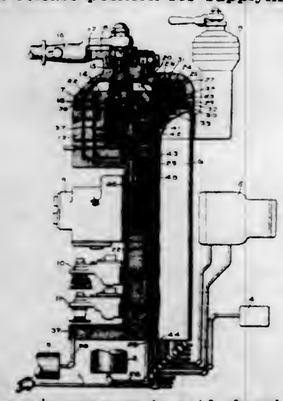


1. A cable clamp for flat woven stranded cables comprising a body portion having a longitudinally extending tapering flat-walled cable-receiving recess adapted to receive separate layers of the cable strands, said body portion being also provided with a transverse opening, a clamping wedge adapted to be inserted in said transverse opening into alignment with said cable-receiving recess, and means for applying pressure on said wedge to drive it into said recess between the layers of cable strands to bring said strands into contact with the flat walls of said recess.

2,042,091
FLUID PRESSURE BRAKE APPARATUS
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Original application August 17, 1933, Serial No. 685,576. Divided and this application April 19, 1934, Serial No. 721,307
9 Claims. (Cl. 303—1)

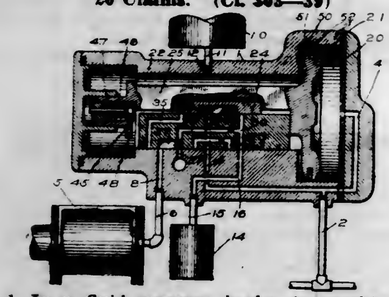
1. In a fluid pressure brake, the combination with a brake pipe, a main reservoir and a feed valve device, a brake valve device having a chamber supplied with fluid at feed valve pressure, a rotary valve in said chamber having a running position and a release position in which fluid under pressure is supplied from said chamber to the brake pipe, valve means operable at all times

upon movement of the rotary valve to release position and as long as the rotary valve is maintained in release position for supplying fluid at



main reservoir pressure to said chamber, and a cavity in the periphery of said rotary valve through which fluid supplied by said valve means flows to said chamber.

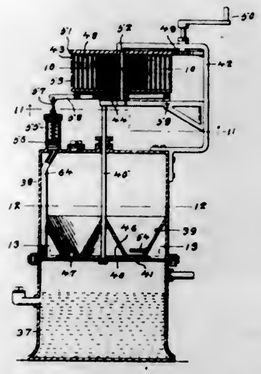
2,042,092
FLUID PRESSURE BRAKE
Clyde C. Farmer, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application April 27, 1935, Serial No. 18,523
20 Claims. (Cl. 303—39)



1. In a fluid pressure brake, in combination, a brake pipe, a reservoir, and a brake controlling valve device comprising a main valve, an auxiliary valve having movement relative to the main valve, a piston subject to the opposing pressures of the reservoir and the brake pipe, a feed communication through which fluid under pressure is supplied from the brake pipe to the reservoir and adapted to be closed by movement of the piston toward a brake applying position, means operative by movement of the auxiliary valve relative to said main valve by said piston on movement of the piston to a position to close the feed communication for venting fluid under pressure from the brake pipe, and means yieldingly opposing movement of the piston to said feed communication closing position.

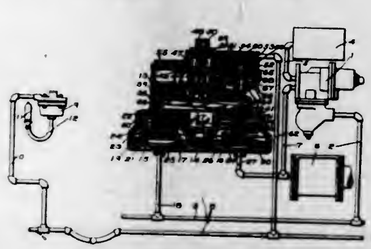
2,042,093
ACETYLENE GAS GENERATOR
Fred G. Fockler, Dunn Center, N. Dak.
Application June 21, 1934, Serial No. 731,741
1 Claim. (Cl. 48—38)

An acetylene gas generator comprising a casing having carbide and gas chambers, a disk-shaped valve operating within the carbide chamber for intermittent communication of said carbide and gas chambers with each other, a rotating shaft for said valve, a spring-wound motor having gear connections with said shaft for operating the same, a gas pressure controlled device carried by the casing and communicating with the gas chamber for automatically regulating the motor, said device comprising a pivotally



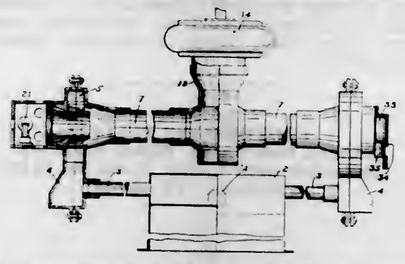
supported braking arm movable to frictionally contact with a moving part of the motor to hold said motor from turning, a piston having a stem connected with the braking arm, a cylinder for the piston, a spring contacting the piston to normally influence the same to move the braking arm away from the motor, an adjustable member for tensioning the spring, and a pipe leading from the cylinder to the gas chamber.

2,042,094
WARNING DEVICE FOR BRAKES
John N. Good, Wilmerding, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application January 3, 1935, Serial No. 215
17 Claims. (Cl. 303—86)



1. In combination, a brake cylinder, a brake pipe, a valve device operated upon a reduction in brake pipe pressure for supplying fluid under pressure to the brake cylinder and upon a subsequent increase in brake pipe pressure for releasing fluid under pressure from the brake cylinder, a signal device, and means operated by brake pipe pressure and brake cylinder pressure upon failure of said valve device to release fluid under pressure from the brake cylinder in releasing the brakes, for effecting the operation of said signal device.

2,042,095
DETECTION OF SUSPENDED MATTER IN GASEOUS FLUIDS
Harry Campbell Grant, Jr., New York, N. Y., assignor to Walter Kidde & Company, Inc., New York, N. Y., a corporation of New York
Application May 8, 1933, Serial No. 669,992
11 Claims. (Cl. 88—14)



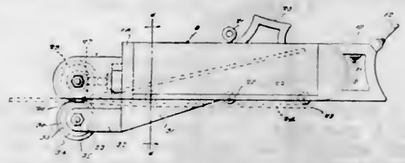
8. In an apparatus embodying a fluid conducting chamber having fluid conducting inlet and outlet means, the provision of means for maintaining a substantially balanced flow of fluid through the chamber comprising a substantially continuous fluid conducting passage encompassing a peripheral wall of the fluid conducting chamber and interposed in a fluid conducting means, openings spaced around the periphery of said peripheral wall for establishing communication between said passage and said chamber, and deflecting means interposed in the path of the fluid introduced into the fluid conducting chamber by an inlet means for directing the flow of the fluid toward an outlet means, said deflecting means comprising a continuous surface adjacent to and spaced from said openings and tapering inwardly in a direction toward an outlet means.

2,042,096
HEAT INSULATION MATERIAL AND PROCESS OF MAKING SAME
Harold W. Greider, Plymouth Meeting, Pa., assignor to The Philip Carey Manufacturing Company, a corporation of Ohio
No Drawing. Application April 18, 1929, Serial No. 356,298
23 Claims. (Cl. 18—48)

1. Heat insulation material containing substantial bulk of basic magnesium carbonate and precipitated calcium carbonate, bentonite clay, diatomaceous earth, soft flexible asbestos mineral fiber as a binder material, and amphibole fiber, the fibers of which amphibole fiber are shorter and more frangible than the fibers of the asbestos fiber and have a lower water content and more resistance to high temperatures than the fibers of the asbestos fiber, said amphibole fiber being present in an amount effective to inhibit shrinkage of the insulation material.

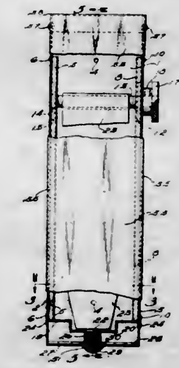
2,042,097
PORTABLE SHEET MATERIAL CUTTER
Albert R. Havanas, Warren, Ohio, assignor of one-half to Donald McDermott, Warren, Ohio
Application December 31, 1935, Serial No. 57,052
5 Claims. (Cl. 164—34)

5. In a structure of the class described, a motor casing having a substantially flat bottom plate provided with a series of transversely disposed equi-distant idling rollers for rolling contact with the work, an outstanding bracket arm carried by the frontal portion of the casing, and offset with respect to the longitudinal dimension of the casing and said rollers, an adapter bracket connected to the bottom of the casing and having a portion located beneath said outstanding bracket



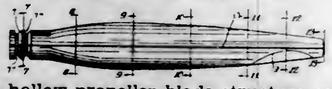
arm, complemental cutter disks mounted respectively on said outstanding bracket arm and adapter bracket, and a motor in said casing operatively connected with said cutter disks.

2,042,098
DISPENSING DEVICE
Ralph C. Hitzler, Lapeer, Mich.
Application July 10, 1935, Serial No. 30,721
3 Claims. (Cl. 221—60)



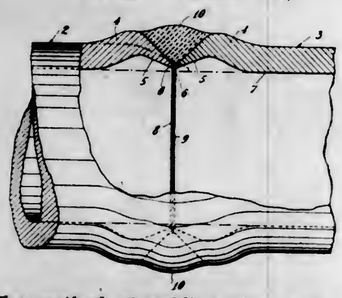
1. In a dispensing device, a three-sided casing, a transverse partition adjacent one end of the casing and having an opening therein, the casing being arranged to receive a collapsible tube having a discharge nozzle and the opening in the transverse partition being arranged to receive said nozzle, a guide extending longitudinally of each side of the casing, a plate slidably mounted in each guide, a shaft rotatably mounted in the plates, the shaft being provided with a slot to receive the end of the collapsible tube opposite the discharge nozzle, the casing being provided with a slot in one side and the end of the shaft extending through the slot, a knob secured to the extending end of the shaft, a cover pivotally mounted on the casing and closing the open side of the casing, the cover member being provided with a notch at the bottom, a closure member hingedly connected to the bottom of the casing, the closure member being provided with a clip adapted for engagement in the notch of the cover member to hold the cover member and closure member in the closed position, a depression formed in the closure member and a resilient packing in the depression, the arrangement being such that as the clip of the closure member is engaged in the notch of the cover member the resilient packing is brought into engagement with the end of the discharge nozzle.

2,042,099
ONE-PIECE HOLLOW STEEL PROPELLER
Walter S. Hoover, Girard, Pa., assignor of one-half to Patrick H. Crow, Meadville, Pa.
Application October 27, 1931, Serial No. 571,342
3 Claims. (Cl. 170—159)



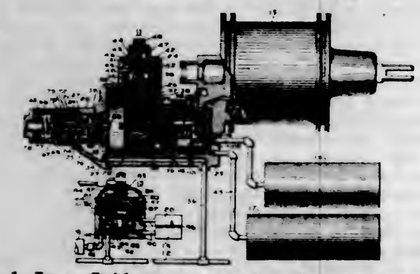
1. A hollow propeller blade structure comprising a one-piece sheet metal blank varying in wall section from maximum thickness at the blade root to minimum thickness at its tip the longitudinal edges of which are folded to constitute complementary abutments which are welded on the back of the blade at substantially the center thereof.

2,042,100
METHOD OF PREPARING THE ENDS OF TUBULAR MEMBERS FOR A WELDED JOINT
Claude M. Houston, Pittsburgh, Pa.
Application November 4, 1935, Serial No. 48,198
4 Claims. (Cl. 113—112)



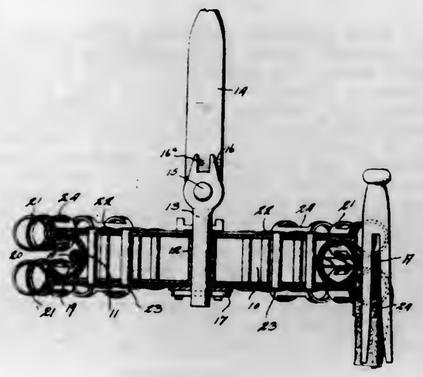
1. The method of welding pipes end to end, which consists in bevelling the ends of the pipes to be joined, imparting to each bevelled end an outwardly directed concavo-convex bulge, turning the bevelled edges inwardly, juxtaposing the so formed pipe ends and depositing welding metal circumferentially in the space defined by the bevelled ends.

2,042,101
FLUID PRESSURE BRAKE
John B. Hull, Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application May 9, 1934, Serial No. 724,666
17 Claims. (Cl. 303—42)



1. In a fluid pressure brake, the combination with a brake pipe, a brake cylinder, and a brake controlling valve device movable to a service application position in which fluid under pressure is supplied to the brake cylinder upon a reduction in brake pipe pressure and to an emergency application position in which fluid under pressure is supplied to the brake cylinder upon a sufficiently rapid rate of reduction in brake pipe pressure, of means effective as long as the brake pipe pressure does not reduce below a predetermined uniform pressure for preventing movement of said valve device to emergency application position.

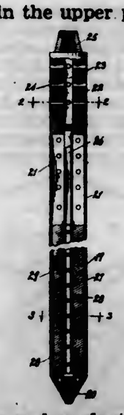
2,042,102
CLOTHESLINE PULLEY
Norman Hutchinson, Wilkes-Barre, Pa.
Application April 4, 1935, Serial No. 14,679
3 Claims. (Cl. 68—3)



1. A clothes line pulley having a circumferential groove and having a plurality of line engaging members mounted upon the pulley equi-distantly, each of said members consisting of a strip of metal bent at its middle to fit within the groove of the pulley and to form a nearly circular clothes line seat with a contracted throat, the metal on each wall of the clothes line seat being bent laterally outward and then inward and being attached to the body of the pulley, the outwardly bent portions of the strip on each side of the throat of the seat being cut away to provide transversely extending clothes pin seats.

2,042,103
APPARATUS FOR HEATING AND AGITATING WELLS
Edward C. Hyde, Jr., Kansas City, Mo., and Jack C. Renfro, Huntington Beach, Calif., assignors, by direct and mesne assignments, of forty-nine per cent to Joy J. Richart, Whittier, Calif., two per cent to Frank Harder, Huntington Beach, Calif., and forty-nine per cent to said Renfro
Application May 1, 1934, Serial No. 723,346
6 Claims. (Cl. 166—17)

4. An apparatus for heating and treating oil wells, comprising a shell, said shell containing substances which react exothermically upon the addition of water, said shell being substantially inert to the action of said substances, said shell having openings at its lower portion to permit entry of water to the interior thereof, said shell having apertures in the upper portion to permit

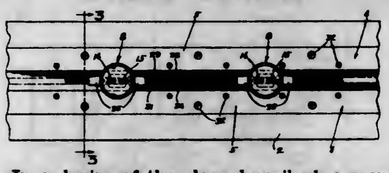


the release of gases and products generated from the reaction within the interior of said shell.

2,042,104
RUBBER COATED CAKE OF SOAP
John P. Kane, New York, N. Y.
No Drawing. Application December 6, 1934, Serial No. 756,281
9 Claims. (Cl. 91—68)

1. The process of manufacturing a rubber coated cake of soap, which comprises coating a cake of soap with an aqueous rubber solution containing a vulcanizing agent and an ultra-rapid accelerator, and drying and vulcanizing said coated cake of soap at relatively low temperatures whereby a non-sticking, readily stripable coating impermeable to water and permeable to scents is obtained.

2,042,105
MOVABLE ELECTRIC RECEPTACLE
Wesley J. Kelley, Minneapolis, Minn.
Application March 9, 1934, Serial No. 714,819
7 Claims. (Cl. 247—3)



1. In a device of the class described, a member having an elongated recess therein open at one side, electric conductors in said recess, guides extending lengthwise of the recess, a receptacle mounted for traveling movement in said guides and having contacts engaging said conductors, and flexible, non-resilient means constantly closing the open side of said recess and permitting free movement of the receptacle therein.

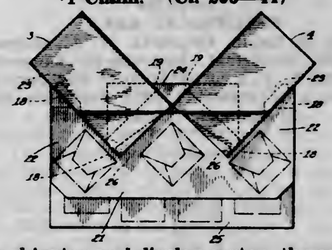
2,042,106
FILTER FAUCET
Charlotte S. Knight, Freeport, N. Y.
Application May 12, 1934, Serial No. 725,357
12 Claims. (Cl. 210—77)

7. In a filter, a sectional filter casing, one section thereof provided with a rib and the other section having a groove formed therein, a flexible filter medium supported within said casing and having an extended edge portion projecting outwardly between the rib and groove, said groove being of greater width than the thickness of the filter medium and the rib being of sufficient thick-



ness to bodily flex the filter medium when the sections are clamped together, and means for clamping the sections to effect the bodily flexing of the filter medium.

2,042,107
SHIPPING AND DISPLAY CARTON
Albert H. Keeble, Irvington, N. J., assignor to The United States Printing & Lithograph Co., New York, N. Y., a corporation of Ohio
Application November 1, 1934, Serial No. 751,059
1 Claim. (Cl. 206—44)

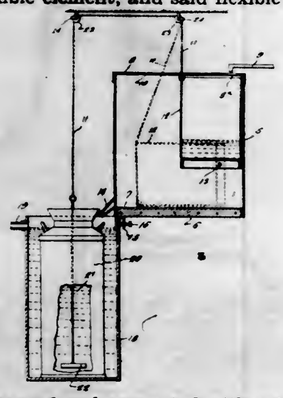


In a shipping and display carton, the combination with a front, back, top, bottom and sides formed with partly severed walls for forming two sections that may be adjusted in angular relation to each other and having securing slits in the side walls and shelf means having projections which enter said slits to act as a tie bar and secure the shelves in position on the front of the carton and also lock the dividing sections in their angular relation to each other.

2,042,108
MILK STIRRING AND COOLING DEVICE
Edmund Harry Kuehne, Burlington, Wis.
Application March 26, 1935, Serial No. 13,133
1 Claim. (Cl. 259—71)

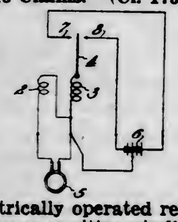
In a device of the character described a tank adapted to receive a cooling fluid, and a container the contents of which are to be cooled, a second tank having adjacent one side thereof U-shaped bracket means adapted to straddle the wall of the first tank and screws carried by said U-shaped bracket means for clamping engagement with said wall of the first tank, said second tank having at said one side thereof a discharge nozzle arranged to direct fluid into the first tank, a receptacle for the cooling fluid pivotally mounted in the second tank for vertical swinging movement and arranged to discharge the contents

thereof into the second tank for passage from the second tank into the first named tank, sheaves adapted to be secured from a ceiling or suitable support, a flexible element trained over said sheaves, a stirrer connected at one end to one end of the flexible element, and said flexible element



having a second end connected with said receptacle whereby the swinging movement of said receptacle will cause the stirring device to be raised and lowered within the container the contents of which are to be cooled.

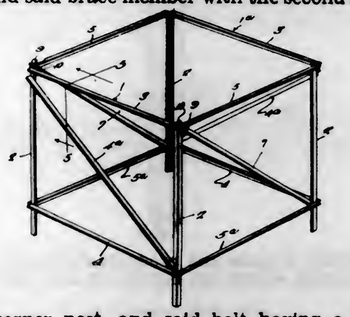
2,042,109
ELECTRICAL RELAY
Anthony H. Lamb, Elizabeth, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application November 17, 1933, Serial No. 698,531
13 Claims. (Cl. 175—320)



1. An electrically operated relay system of the type including a sensitive winding adapted to develop a low torque to close a set of contacts in the energizing circuit of a power winding, and a control member actuated by current flow in said power winding; characterized by the fact that said control member actuates one contact of said set of contacts, and said sensitive winding constitutes means for initiating the movement of said control member to close said set of contacts, thereby energizing said power winding to effect a further movement of said control member.

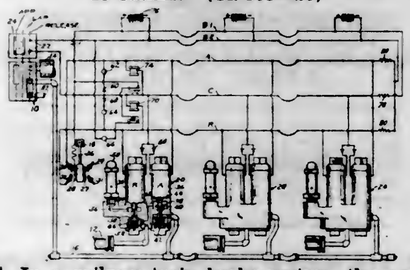
2,042,110
PLASTERER'S MORTARBOARD STAND
Charles M. Leckey, Washington, D. C.
Application April 29, 1935, Serial No. 18,933
2 Claims. (Cl. 248—166)

2. In a collapsible stand of the character described, a pair of opposed corner posts, a member connecting said corner posts adjacent the lower ends of the latter, said member having its respective opposite ends pivotally connected to said corner posts, a second member pivoted at one end to the upper end of one of said corner posts, a bolt pivotally connecting the free end of the second member with the other of said corner posts, a diagonal brace member pivotally connected at one end to the first corner post adjacent the lower end of the latter, said brace member having a free end provided with a notch adapted to engage said bolt whereby the single bolt serves to pivotally connect said second member and said brace member with the second speci-



fied corner post, and said bolt having a head, an edge of which is adapted to bear against an adjacent portion of the second specified corner post to prevent rotation of the bolt, and a shank projecting from said head adjacent one corner of said head whereby to provide sufficient clearance between the shank of the bolt and said adjacent portion of the second specified corner post to accommodate the extreme end of the diagonal brace when the notch of the latter is engaged with said bolt.

2,042,111
BRAKE CIRCUIT CHECKING DEVICE
John W. Logan, Jr., Wilkinsburg, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application March 28, 1934, Serial No. 717,746
13 Claims. (Cl. 303—20)

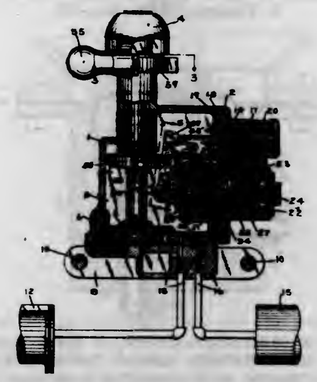


1. In a railway train brake system, the combination with a plurality of electro-pneumatic control valve devices, of a retardation controller device for controlling operation of said valve devices, a circuit connecting said retardation controller device with said valve devices, and means for indicating at all times whether or not said retardation controller device has operated to effect operation of said valve devices.

2,042,112
BRAKE VALVE DEVICE
Ewing K. Lynn, East McKeesport, and Rankin J. Bush, Jeannette, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application October 16, 1931, Serial No. 569,158
48 Claims. (Cl. 303—54)

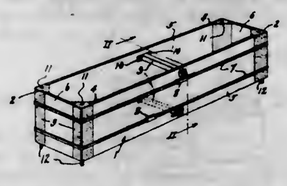
1. In a controlling valve device for fluid pressure equipment, the combination with a casing

having a chamber through which fluid under pressure is adapted to be supplied to and released from said equipment, of valve means operable to effect either an increase or a decrease in the pressure of fluid in said chamber, a member slidably mounted in said casing, a lever carried by said member and movable to various positions for controlling the operation of said valve means to supply fluid under pressure to and release fluid



under pressure from said chamber, a spring, a movable abutment subject to the opposing pressures of said spring and chamber adapted to cooperate with said valve means to limit either the supply of fluid under pressure to or the release of fluid under pressure from said chamber according to the adjusted position of said lever, and means for controlling the movement of said member and thereby the movement of said lever.

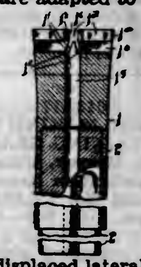
2,042,113
WALL AND FLOOR CONSTRUCTION
Elmer W. Marten, Los Angeles, Calif.
Application August 24, 1935, Serial No. 37,695
11 Claims. (Cl. 72—47)



1. In a concrete construction, a core unit comprising corner members, side panels and end panels, the said corner members having rabbet grooves in their side faces receiving the edges of the panels, and means for securing the corner members and panels together.

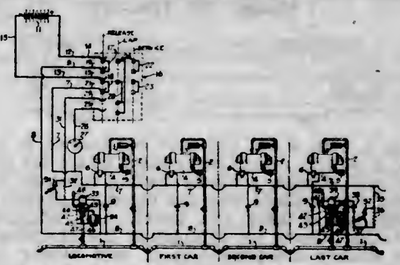
2,042,114
DRILL
William J. McCallum, Islington, Ontario, Canada
Application April 23, 1934, Serial No. 721,851
9 Claims. (Cl. 255—64)

1. A drill-head having two substantially parallel sided slots extending transversely of and diverging in the direction of the axis of the drill-head; and a bit having a bifurcated tang, the parts of which are adapted to be received in the



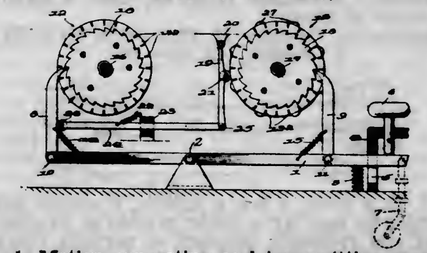
slots and to be displaced laterally thereby to lock the bit from longitudinal displacement.

2,042,115
ELECTROPNEUMATIC BRAKE
Joseph C. McCune, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application May 5, 1934, Serial No. 724,064
14 Claims. (Cl. 302—20)



1. In a single magnet two wire direct current electropneumatic brake system, a single electric circuit for controlling the operation of the brakes, means responsive to the application of direct current electric energy of one polarity to said circuit for controlling the operation of the brakes, and means responsive to the application of direct current electric energy of the opposite polarity to said circuit for indicating the operative condition of said circuit.

2,042,116
MECHANICAL MOVEMENT
Roy K. Morris, Charleston, W. Va.
Application May 31, 1935, Serial No. 24,398
17 Claims. (Cl. 74—143)



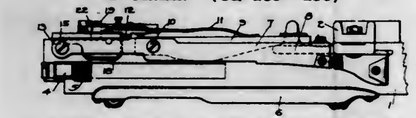
1. Motion converting and transmitting means comprising a pair of toothed wheel members mounted for rotation, pawl means operatively engaging the teeth of each wheel, pawl actuating means for imparting a power stroke to first one pawl and then the other to advance the wheel members step by step, and pawl control mech-

anism associated with one of said wheel members and effective in response to predetermined rotation thereof to render inoperative the driving pawl of the other wheel member.

2,042,117
PROCESS FOR MAKING INDIUM-CONTAINING GLASS
William S. Murray, Utica, N. Y.
No Drawing. Application November 26, 1934, Serial No. 754,843
3 Claims. (Cl. 106—36.1)

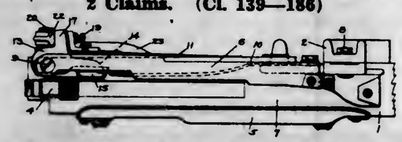
1. The method of producing a transparent indium sesquioxide containing glass by fusing together a compound of indium, a compound of sulphur, silicon dioxide, sodium carbonate and calcium carbonate.

2,042,118
SHUTTLE CHECK
Jonas Northrop, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application October 9, 1934, Serial No. 747,572
1 Claim. (Cl. 139—186)



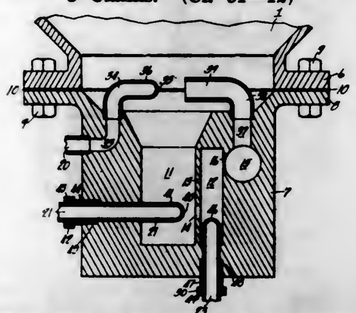
In a loom, a lay, a shuttle box carried by said lay, a shuttle, means including a picker for picking said shuttle, a binder having constant frictional engagement with the incoming shuttle for partially checking the latter, and additional checking means for completing the checking of the shuttle independently of said binder, said additional means being comprised of a shuttle engaging element slidably mounted in said shuttle box for movement longitudinally thereof by the incoming shuttle, and a bell crank lever pivoted on the back of the lay and having one arm connected to said element, the other arm of said lever extending approximately horizontally in a direction to bias said element inwardly along the lay, said element and lever having sufficient inertia to retain said element in engagement with the incoming shuttle throughout the said movement of the element.

2,042,119
LOOM SHUTTLE CHECK
Jonas Northrop, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application February 15, 1935, Serial No. 6,729
2 Claims. (Cl. 139—186)



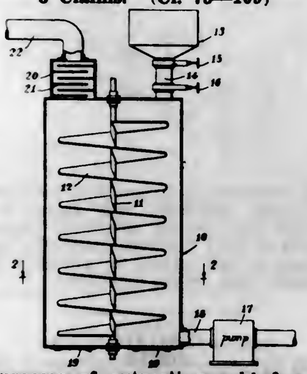
1. In a loom, a lay, a shuttle, a shuttle box carried by said lay, a binder pivoted at its outer end and yieldingly actuated to partially check said shuttle as the latter enters said shuttle box, a bell crank lever pivoted on the same axis as said binder and having one arm projecting longitudinally of said shuttle box in position to be engaged and moved laterally of said lay by the incoming shuttle after the latter has been partially checked by said binder, adjustable stop means engaging said lever for limiting the extent to which said arm projects into said shuttle box, and a weight element connected with the other arm of said lever to oppose said movement of the lever by said incoming shuttle.

2,042,120
SANDBLAST DEVICE
Frank Palmiter, South Bend, Ind.
Application October 1, 1934, Serial No. 746,377
5 Claims. (Cl. 51—12)



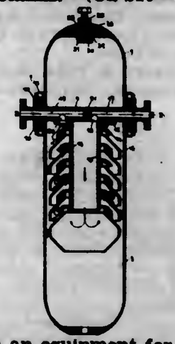
1. In a sand blast device, a sand container, a pair of vertically spaced individually controllable means each directing a stream of water through said container, a water line intermediate said first named means, means communicating with said water line and with said container for conveying said streams of water and the sand carried thereby to said water line and means interposed in the sand conveying means juxtaposed to the lower of said first named means for supplementing the same by upwardly discharging a supplemental water stream in said conveying means.

2,042,121
PROCESS OF EXTRACTING GOLD FROM SALINE SOLUTIONS
Herschel C. Parker, Los Angeles, Calif., assignor of one-half to John William Chard, Los Angeles, Calif.
Application August 4, 1934, Serial No. 738,566
3 Claims. (Cl. 75—109)



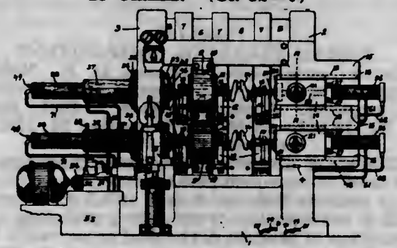
1. A process of extracting gold from saline solutions comprising passing a gold bearing saline solution through a container in the presence of granular nickel, agitating the solution for a time sufficient for the nickel to extract an appreciable percentage of gold from the solution, and separating the gold enriched nickel from the solution.

2,042,122
SYSTEM FOR THE PREVENTION OF SCALE FORMATION AND FOR THE CONTINUOUS AUTOMATIC DISCHARGE OF MUD FROM STEAM BOILERS AND HEATERS OF LIQUIDS
Cesare Piccardo, Genoa, Italy
Application May 11, 1934, Serial No. 725,150
In Austria November 28, 1933
7 Claims. (Cl. 210—39)



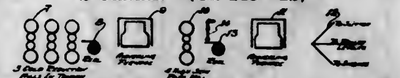
1. For use in an equipment for the prevention of scale and the continuous automatic discharge of mud from steam boilers and heaters of liquids, a purifier comprising an upper reagent storing and distributing chamber and a lower mud separator fitted the one in continuation to the other so as to form together a single cylindrical body separated into the said two chambers by a diaphragm, an inlet pipe communication leading from the exterior of said purifier through the said diaphragm into the lower chamber near the center thereof, a descending tube opened at the bottom end leading from the center of the diaphragm and ending near the bottom end thereof, two coaxial groups of bell-like members on the said central descending tube arranged with respect to each other so as to provide in the central part an annular zigzag like passage for the ascending fluid fed through the upper end of the descending tube, exterior conduits leading from the upper reagent storing chamber of the purifier into the said outlet pipe of the separator and a conduit leading from the position of said diaphragm situated outwardly from the central descending tube to the exterior conduits.

2,042,123
LOADING AND UNLOADING OF WORK IN MACHINE TOOLS
Henry C. Pierle, Cincinnati, Ohio, assignor to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a corporation of Delaware
Application April 9, 1935, Serial No. 15,457
15 Claims. (Cl. 82—9)



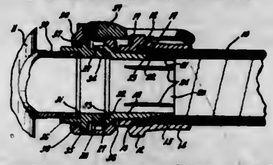
1. In a lathe provided with centers and with at least one center drive chuck adapted for axial loading, means in connection with said lathe centers for moving said work axially of said chuck to gripping and unloading positions, while said work is centered.

2,042,124
ELECTRIC SHEET
Robert E. Reno, Jr., Portsmouth, Ohio, assignor to Wheeling Steel Corporation, Wheeling, W. Va., a corporation of Delaware
Application March 5, 1934, Serial No. 714,295
2 Claims. (Cl. 148—12)



1. The method of making steel containing a substantial amount of silicon not exceeding 5% to produce the most favorable electrical properties with minimum brittleness, which consists of mechanically working an ingot of steel of the desired silicon content to reduce it to a thickness of approximately 0.1 inch, passing the steel through a pickling solution to remove the scale, reducing the steel by cold working, without intermediate heat treatment, to within ½% to 7½% of the final gage, the percentage varying inversely as the silicon content to produce maximum grain growth by annealing after final cold working and being within ½% to 1½% for 3% to 5% silicon content and 1% to 3% for 2% to 3% silicon content, then heating the steel to no less than 1200° F. to remove all strain, then cold working the steel to final gage by a single reduction step, and re-annealing the finished steel at a temperature from 1200° F. to 1750° F., the temperature being proportional to the silicon content, the higher the silicon content, the higher the temperature.

2,042,125
COUPLING
Nathan Roach, Cleveland, Ohio, assignor to The Cleveland Brass Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application August 19, 1935, Serial No. 36,819
1 Claim. (Cl. 285—177)



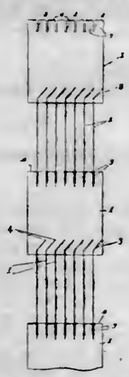
In a coupling, two coupling members, each having a threaded portion by which it may be secured to another fitting, said members having interfitting male and female ends having formed thereon integral complementary polygonal surfaces arranged to permit relative longitudinal movement and to prevent relative rotative movement between them, there being an annular recess in said female end, a gasket in said recess in position to engage said male end when said ends are in abutting relation, each interfitting end being formed to accommodate a wrench for manipulation of said members to engage the threaded portions thereof, a collar rotatably secured to one of said members and having a bayonet joint lock with said other member, and said lock including inclined shoulder portions on said other coupling member and lugs on said collar having inclined surfaces adapted to overlie and to coact with said inclined shoulder portions to clamp said male end firmly against said gasket upon collar rotation.

2,042,126
ELECTRIC INCANDESCENT LAMP
Henry Forbes Russell, Quincy, Mass.
Application December 11, 1933, Serial No. 701,768
3 Claims. (Cl. 176—26)



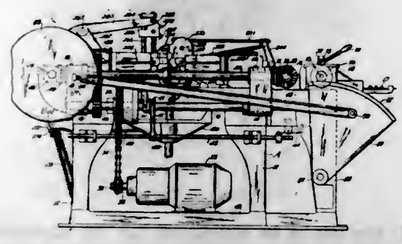
3. In an electric incandescent lamp, the combination of a hermetically sealed transparent container, a press in said container, lead wires supported by said press, and a plurality of associated electrodes and filaments mounted on a rotatable member the rotatable member having greater weight on one side of its pivotal point than on the other side of its pivotal point, therein, said member being supported at the top of said press, substantially as herein described.

2,042,127
APPARATUS FOR THE TREATMENT OF GASES OR VAPORS WITH LIQUIDS
Henry Sharrock Sayles, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application October 1, 1934, Serial No. 746,463
In Great Britain October 3, 1933
5 Claims. (Cl. 261—112)



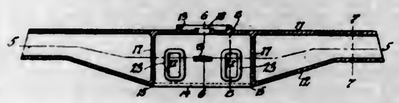
1. Apparatus for treating gases or vapors with liquids, comprising a packing composed of a plurality of vertical sheet elements arranged transversely in superposed tiers, and means for delivering liquid in film formation to said elements comprising collectors consisting of two or more closely adjoining rows of parallel inclined sheets, adjacent rows being inclined in opposite directions and adjacent sheets in each row being inclined to such an extent that there is no vertical passage between them, the bottom edges of the collector sheets being substantially parallel to the top edges of the subadjacent packing elements so that liquid delivered from above the said collectors is distributed over both sides of the subjacent packing elements without appreciable cascading and without substantially restricting the flow of gas or vapor.

2,042,128
WIREWORKING MACHINE AND METHOD
Edward H. Schane, Lakewood, Ohio, assignor to The Greif Bros. Cooperage Co., Cleveland, Ohio, a corporation of Ohio
Application January 3, 1933, Serial No. 649,750
35 Claims. (Cl. 140—71)



1. The method of forming a coat hanger, which includes moving a predetermined length of wire in a direction normal to its axis along a mandrel, bending the wire about the mandrel, twisting the ends of the wire, and forming a hook on one end of the wire during its movement along said mandrel.

2,042,129
CAR TRUCK BOLSTER
Clifton W. Sherman, Hamilton, Ontario, Canada, assignor to Adirondack Steel Foundries Corporation, Watervliet, N. Y., a corporation of New York
Application December 31, 1930, Serial No. 505,837
4 Claims. (Cl. 105—230)

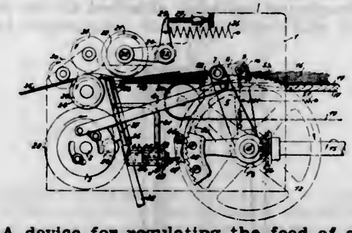


1. A bolster for car trucks comprising two vertical longitudinal side plates, a horizontal bottom plate connecting the lower edges of said side plates, a horizontal top plate connecting the upper edges of said side plates, and a longitudinally elongated upright tube connected at its upper and lower ends with said top and bottom plates, said tube forming an upright well which is open across its entire area at the lower end.

2,042,130
BOILER CLEANING COMPOSITION
Edward Lewis Smead, Mexico, D. F., Mexico, assignor to Henex, S. A., Mexico, D. F., Mexico
No Drawing. Application May 2, 1935, Serial No. 19,535. In Mexico November 30, 1932
5 Claims. (Cl. 87—27)

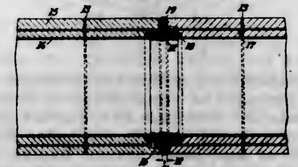
1. A boiler cleaning composition consisting of the juice of henequen plant reduced to a concentrate ranging between 2 to 1 and 5 to 1, mixed with a preservative completely prohibiting fermentation of said juice, the said preservative being selected from the group consisting of sodium benzoate, salicylic acid, borax and formaldehyde.

2,042,131
FEED REGULATING DEVICE
Georg Spiess, Leipzig, Germany
Application June 2, 1934, Serial No. 728,756
In Germany June 3, 1933
7 Claims. (Cl. 271—38)



1. A device for regulating the feed of an adjusted pile to sheet separating means, in which the foremost sheet of the pile, by striking a feeler and closing a nozzle, automatically starts or stops the ratchet gear effecting the feed of the pile, particularly in sheet separation by means of suction rollers, suction wheels, or the like, and in which a feeler projecting from below into the conveying path of the pile and held in control position is moved by the contact of the sheet with a control suction nozzle forming part of the regulating device in such a way that, owing to the suction pressure of the nozzle, it will close the suction conduit thereof and a shuffle piston provided in the suction conduit and a ratchet pawl connected therewith will carry out a motion which serves for only temporarily stopping the ratchet gear of the pile during the working stroke, an air control member disposed in the suction conduit being controlled so that it will temporarily connect the suction conduit with the outer air at each operation cycle of the ratchet gear and thus bring about the disengagement of the feeler from the suction nozzle.

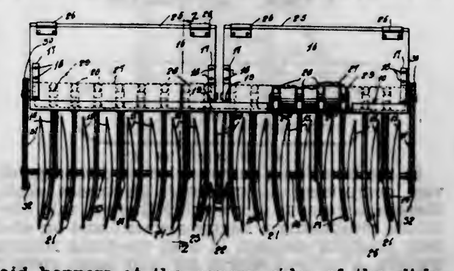
2,042,132
PIPE JOINT
Robert Treskow, Berlin-Steglitz, Germany
Application June 25, 1934, Serial No. 732,360
In Germany April 12, 1933
4 Claims. (Cl. 138—85)



1. Expansion joint for metal-cored reinforced concrete pipes comprising a double-walled sleeve between the walls of which the spaced opposed ends of the metal cores are located, a ring of angle profile iron on each side of the joint plane having one flange encircling the outer wall of the sleeve and the other flange spaced from the joint plane, longitudinal reinforcing bars supported by said angle rings, joint sealing material in the space bounded by the said other flanges and the sleeve, and a concrete envelope about said cores and bars.

2,042,133
GRAIN DRILL ATTACHMENT FOR DISK HARROWS
Curtis E. Underwood, Fisher, Ill.
Application August 15, 1935, Serial No. 36,433
1 Claim. (Cl. 111—52)

In combination with a harrowing implement having a frame, axles thereon and disks on said axles, hoppers on said frame, each hopper having seed discharge openings, distributors within the hoppers associated with said openings, shafts for said distributors having sprocket wheels thereon, sprocket wheels on the first mentioned shafts, sprocket chains trained over the sprocket wheels, dropper tubes depending from the openings of

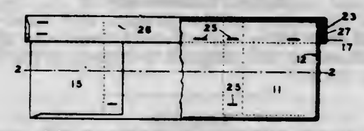


said hoppers at the convex sides of the disks, auxiliary disks each having its concaved side facing the innermost dropper tubes so as to function to cover the seed dropped by such innermost tubes, and means depending from the frame mounting said auxiliary disks between said innermost dropper tubes.

2,042,134
METHOD OF PRODUCING HYDROCARBON OXYGEN COMPOUNDS
John Charles Walker, Eldorado, Kans., assignor to Empire Oil & Refining Company, Bartlesville, Okla., a corporation of Delaware
No. Drawing. Application May 17, 1927
Serial No. 192,077
34 Claims. (Cl. 260—138)

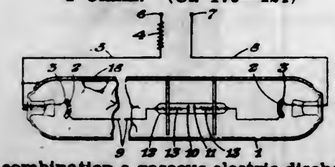
1. In the manufacture of partial oxidation products of hydrocarbons, the process which comprises heating an intimate mixture of a fluid aliphatic hydrocarbon and 0.8%–10% its volume of available oxygen to a temperature favoring partial oxidation of said hydrocarbon to intermediate oxidation products, carrying out the reaction under a pressure exceeding 100 lbs. per square inch, and separating the intermediate oxidation products formed from the unreacted residue.

2,042,135
SHIPPING CASE
George E. Whalley, Chicago, Ill., assignor to Robert Gaylord, Incorporated, St. Louis, Mo., a corporation of Missouri
Application November 3, 1934, Serial No. 751,312
1 Claim. (Cl. 229—32)



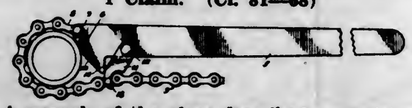
In a shipping case, the combination with integral bottom, side, and end panels, of reinforcing panels carried by the end panels and extending inwardly therefrom adjacent the side panels, and flanges on the free ends of said reinforcing panels, said flanges being folded over parallel to the reinforcing panels to form vertical struts positioned intermediate the ends of the case and extending substantially throughout its height, said struts lying between the side panels and the reinforcing panels.

2,042,136
GASEOUS ELECTRIC DISCHARGE DEVICE
Kurt Wiegand, Berlin-Neu-Tempelhof, Germany, assignor to General Electric Company, a corporation of New York
Application March 25, 1935, Serial No. 12,926
In Germany March 29, 1934
1 Claim. (Cl. 176—124)



In combination a gaseous electric discharge device comprising a container, electrodes sealed therein, a gaseous atmosphere therein, said electrodes comprising a heater element and an electron emitting element in heat receiving relation thereto, a current source for said lamp, each of said heater elements being connected to a terminal of said current source and means connecting said heater elements in series, said connecting means comprising an auxiliary gaseous electric discharge device enclosed in the container of said first named device and being startable and operable on the voltage applied thereto during the starting of said first named device and inoperable on the voltage applied thereto after said first named device has started.

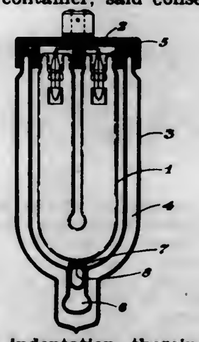
2,042,137
WRENCH
David T. Wilson, Toronto, Ontario, Canada
Application November 18, 1935, Serial No. 50,281
1 Claim. (Cl. 81—68)



A wrench of the class described comprising a flat-sided bar forming a handle, said bar having an arcuate enlargement at an end thereof commencing at the forward edge and receding therefrom, the said enlargement projecting directly outwardly from the rearward edge and having an abrupt inner face perpendicular to the length of the bar so as to constitute an abutment shoulder, saw-shaped teeth formed on the arcuate face of the enlargement for gripping in the forward movement of the handle, a link chain having an end connected to the forward edge portion of said enlargement and the other end free, and a bifurcated claw pivoted to the rearward edge portion of the bar adjacent to said abutment shoulder and arranged to swing backwardly into contact with said abutment transversely of the handle in the tightening of the wrench, the distal end of said claw being curved away from said abutment shoulder and adapted to engage in the links of the chain.

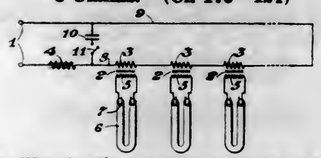
2,042,138
GASEOUS ELECTRIC DISCHARGE LAMP DEVICE
Cornelis Bol, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York
Application May 25, 1934, Serial No. 727,527
In the Netherlands June 3, 1933
2 Claims. (Cl. 240—11.4)

1. A lamp unit comprising in combination, a gaseous electric discharge vapor lamp having a curved, tubular container, the ends of said container being in adjacent positions, a base attached to one end of said container, the other end of said container being free to move in said base, a heat conservator for said vapor lamp, said conservator being removably affixed to said base and a tubular centering support element of heat insulating material attached to the curved part of said container, said conservator having



a cylindrical indentation therein opposite the curved part of said container to accommodate said tubular support, said support being movable along the length of said cylindrical indentation to permit expansion and contraction of said container and being immovable laterally of said cylindrical indentation to support said container away from the walls of said conservator.

2,042,139
GASEOUS ELECTRIC DISCHARGE LAMP DEVICE
Cornelis Bol and Hendrik A. W. Klinkhamer, Eindhoven, Netherlands, assignors to General Electric Company, a corporation of New York
Application September 18, 1934, Serial No. 744,488
In Germany September 30, 1933
3 Claims. (Cl. 176—124)

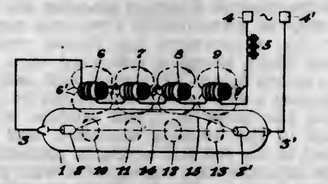


1. An illuminating system comprising in combination a plurality of transformers connected in series across the terminals of a current source, a plurality of gaseous electric discharge lamp devices, each of said lamp devices having a thermionic electrode and being connected across the terminals of one of said transformers, an inductance connected in series with said transformers, a condenser connected in parallel with said transformers and in series with said inductance and means to cut said condenser out of circuit when the thermionic electrodes have attained their operating temperature.

2,042,140
ELECTRIC GASEOUS DISCHARGE DEVICE
Albert Bünger, Berlin-Pankow, Germany, assignor to General Electric Company, a corporation of New York
Application August 17, 1934, Serial No. 740,304
In Germany September 7, 1933
4 Claims. (Cl. 176—124)

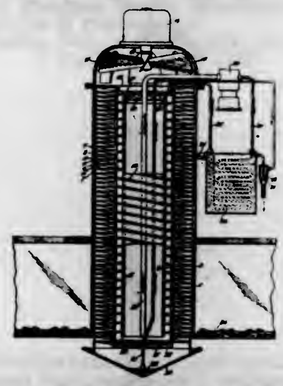
1. An electric gaseous discharge device comprising a sealed envelope containing a gaseous

atmosphere and having electrodes sealed therein, said envelope being mounted with the electrodes in such relation that a line between said electrodes is at an angle to the vertical, whereby forces are produced during operation tending to move the arc stream away from said line, in



combination with means to produce a magnetic field within said envelope in such a direction and of such an intensity that the magnetic reaction thereof with the normal arc current equals the forces tending to move the arc stream out of a straight path within said device.

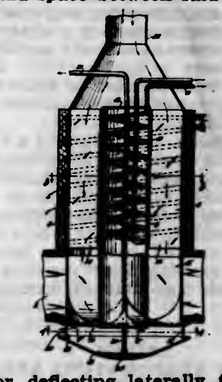
2,042,141
AIR CONDITIONING APPARATUS
Given Campbell, St. Louis, Mo.
Application December 31, 1934, Serial No. 759,808
11 Claims. (Cl. 257—244)



1. An apparatus of the character described comprising two concentric cylindrical walls separated by an intervening annular space, a series of spiral walls mounted in said space and forming spiral passages having inlets at their upper ends and outlets at their lower ends, mechanism for forcing air through said passages, a tubular member concentric with one of said first named walls and separated therefrom by an intervening annular space and having its lower end opening into said space, a spiral wall mounted in said last named annular space and forming a continuous spiral passage, and mechanism for forcing a refrigerant into and through said last named spiral passage.

2,042,142
AIR CONDITIONING APPARATUS
Given Campbell, St. Louis, Mo.
Application September 9, 1935, Serial No. 39,722
16 Claims. (Cl. 257—244)

1. An air conditioning apparatus comprising two concentric cylinders separated by an intervening space constituting an air passage, approximately radial vanes mounted in said space, devices for cooling said cylinders, means for forcing air through said space between said vanes, and de-



flectors for deflecting laterally the air passing from said space.

2,042,143
ENVELOPE FOR ELECTRIC DISCHARGE DEVICES
Horace Cheney and Leonard J. Davies, Rugby, England, assignors to General Electric Company, a corporation of New York
Application April 11, 1934, Serial No. 720,112
In Great Britain April 19, 1933
2 Claims. (Cl. 176—122)



1. An envelope for an electric discharge device comprising a tubular portion having electrodes mounted therewithin at each end, tubular flared stems fused to said envelope, each of said stems having a press at the end thereof opposite the flared part thereof, electrode leads sealed into said press, one of said electrodes being mounted on said leads and being between the flared part of the stem and the press thereof.

2,042,144
LUMINESCENT SIGN
Harold A. Cline, Dayton, Ohio, assignor of fifty per cent to Clyde D. Cline, Chicago, Ill.
Application December 22, 1934, Serial No. 758,713
12 Claims. (Cl. 40—130)

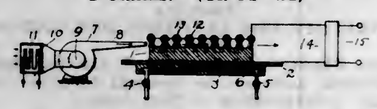


9. A luminous gas sign including a main member having a plurality of electrical terminal sockets; a flexible cover for each socket, said cover, having electrical conducting means near the central position thereof; a plurality of individually removable and interchangeable luminous gas characters having electrodes to cooperate with

the conducting means of said covers; a device carried by the main member and common to all characters, said device having a channel to support said characters in definite positions in one direction relatively to said sockets; and means carried by the main member to guide said characters in definite positions in another direction relatively to said sockets.

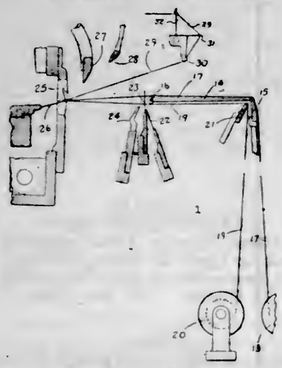
12. A luminescent sign including a plurality of individually removable and interchangeable luminous gas characters; and non-luminous members, said members each including an insulating member carrying a concealed electrical conductor, a pair of contact members, and a supporting plate having secured thereto a laterally and downwardly projecting finger coacting with said sign to retain said non-luminous members in their positions.

2,042,145
PROCESS OF EVAPORATING AND EQUIPMENT THEREFOR
William A. Darrah, Chicago, Ill.
Application March 5, 1931, Serial No. 520,321
4 Claims. (Cl. 34—24)



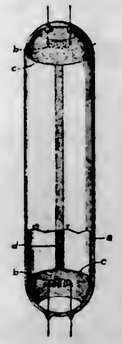
1. The process of removing liquid in vapor form from the surface of solid material being dried which consists in electrically removing the surface layer of saturated gases by creating an electrical potential difference between said surface and an adjacent point spaced away from said surface and passing a stream of gas over said surface.

2,042,146
MILANESE WARP KNITTING MACHINE
William Deakin, Brooklyn, N. Y., assignor to Julius Kayser & Co., New York, N. Y.
Application February 23, 1933, Serial No. 658,017
3 Claims. (Cl. 66—86)



1. An attachment for feeding auxiliary threads to certain needles of a Milanese warp knitting machine to knit in the fabric a reinforcing band extending in parallel relation to the selvage edges comprising: a bracket adapted to be mounted on the warp knitting machine; a rod supported in said bracket for longitudinal sliding movement in lengthwise and paralleling relation to the bank of needles; thread guides carried by said rod for feeding the auxiliary threads to a limited number of needles; a rotatable member having a cam face disposed in alignment with said rod to have bearing contact with one end thereof, said cam face being provided with high and low portions, the high portion operating to force the rod in one direction and the low portion allowing the rod to move in the reverse direction whereby the thread guides may be reciprocated from one needle to another for transversing the thread repeatedly back and forth across a restricted area of the fabric; ratchet means associated with said member to impart a step by step movement thereto for actuating the latter in timed relation with the operation of the knitting machine; and means connected to the rod and acting to yieldably urge the same into operative engagement with the cam member and move said rod in the reverse direction when the low portion of the cam face is brought in alignment with the associated end of the rod.

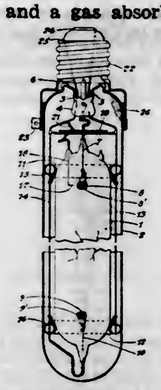
2,042,147
ELECTRIC DISCHARGE DEVICE
Jack Alfred Viveash Fairbrother, Rugby, England, assignor to General Electric Company, a corporation of New York
Application February 15, 1935, Serial No. 6,623
In Great Britain February 26, 1934
2 Claims. (Cl. 176—122)



1. A gaseous electric discharge device comprising an elongated, tubular container having substantially hemispherical ends, a gaseous atmosphere therein and a vaporizable material therein, thermionic electrodes sealed therein adjacent the ends thereof, the inner surface of each of said hemispherical ends having a thin film of metal on the inner surface thereof, the metal films at the ends of said container being electrically connected by a narrow strip of metal film extending along the discharge path between said thermionic electrodes to facilitate the starting of the electric discharge between said thermionic electrodes and to maintain said hemispherical ends at an elevated temperature during the operation of the device.

2,042,148
GASEOUS ELECTRIC DISCHARGE LAMP
Georg Gaidies, Berlin-Pankow, and Martin Reger, Berlin-Charlottenburg, Germany, assignors to General Electric Company, a corporation of New York
Application October 15, 1935, Serial No. 45,140
In Germany October 26, 1934
3 Claims. (Cl. 176—122)

1. A gaseous electric discharge lamp comprising a container, electrodes sealed therein, a vaporizable material therein, an evacuated jacket enclosing said container and a gas absorbing material in



said jacket whereby the high efficiency of said lamp is maintained for a long operating life.

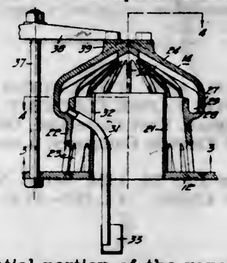
2,042,149
KNITTED FABRIC AND HOSIERY PRODUCED THEREFROM
Gustav Gastrich, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application June 27, 1932, Serial No. 619,417
1 Claim. (Cl. 66—180)



A full-fashioned knitted stocking including a leg and a foot, substantially the entire leg thereof being rendered impervious to the development of sinker wale runs of appreciable length by tuck stitches distributed substantially throughout said leg in alternate wales only and arranged in both coursewise and walewise alternation with other than tuck stitches.

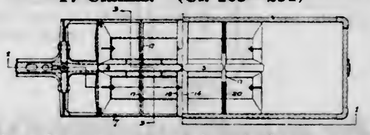
2,042,150
APPARATUS FOR AND PROCESS OF FRACTIONATION
Walter Hagenbuch, Martinez, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
Application December 1, 1930, Serial No. 499,291
7 Claims. (Cl. 261—114)

1. In a process of fractionation by means of a column provided with bubble plates for maintaining pools of liquid, wherein vapors containing entrained liquid rise through the plates, the steps which comprise directing substantially straight line streams of said rising vapors with entrained liquid through a plate, sharply reversing the upward flow of vapors, thereby separating the entrained liquid from the vapors without condensing



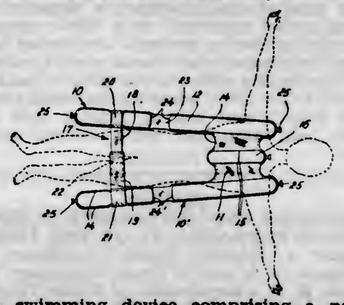
any substantial portion of the vapors, collecting and withdrawing the separated liquid and contacting the resulting vapors with the liquid on the plate.

2,042,151
RAILWAY CAR
Einar G. Hallquist, Wallingford, Pa., and Leonard Visser, Granite City, Ill., assignors to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application May 19, 1933, Serial No. 671,854
17 Claims. (Cl. 105—251)



1. In a hopper car metal underframe, a center sill and a side sill, transverse framing members therebetween, said sills having integral elements inclined downwardly therefrom and forming the sides of a hopper, and an upright web forming a tie above the hopper discharge opening intermediate its ends and merging with said elements and having downwardly inclined top flanges.

2,042,152
SWIMMING DEVICE
Thomas J. Howland, Long Branch, N. J.
Application July 25, 1935, Serial No. 33,051
9 Claims. (Cl. 9—21)



1. A swimming device comprising a pair of spaced elongated inflatable float units adapted to extend along the sides of the swimmer, a flexible substantially non-inflatable element interposed between the ends of each unit and dividing the interior thereof into two inflatable sections, each of said elements having a passage therethrough communicating with the adjacent sections, means connected between corresponding ends of

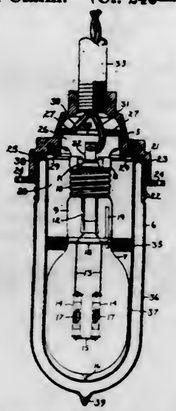
said units for supporting the upper torso of the swimmer, and a member connected between the opposite corresponding ends of said units in position to support the swimmer's legs.

2,042,153

MOUNTING AND THERMOINSULATIVE JACKET FOR VAPOR ELECTRIC DEVICES

George E. Inman, East Cleveland, Ohio, assignor to General Electric Company, a corporation of New York

Application July 28, 1934, Serial No. 737,421
1 Claim. (Cl. 240—11.4)



A lamp unit comprising in combination a gaseous electric discharge vapor lamp having an elongated, reduced neck, a two-contact screw base attached to the end of said neck and a shut-off means occluding said neck from the rest of the lamp bulb to exclude hot vapor from the neck; a double-walled globe surrounding said lamp to reduce the heat losses therefrom and having external screw threads adjacent the open end thereof; a gasket of heat insulating material fitting around said lamp neck and against the internal surface of said double-walled globe substantially in line with said shut-off means, and a globe and lamp holder having an internally threaded and shouldered globe-receiving mouth and a gasket of heat insulating material in said holder against said shoulder, a threaded, two-contact socket mounted on a thick support of thermally insulating material supported in said holder, the contact end of said socket being substantially in line with the shoulder in said holder; said globe being screwed into said threaded holder mouth and resting against said gasket therein, said lamp base being screwed into said socket.

2,042,154

EXTENDIBLE AND ADJUSTABLE CLASP FOR WATCH-BRACELETS OR THE LIKE

Sylvester A. Johnson, North Providence, R. I., assignor to A and Z Chain Company, Providence, R. I., a corporation of Rhode Island

Application July 18, 1933, Serial No. 680,972
6 Claims. (Cl. 24—71)

1. In a device of the type indicated, a clasp-member, a toothed rack-bar on the clasp-member extending longitudinally thereof, ears bent upwardly at the ends of said clasp-member to fixedly secure the rack-bar from longitudinal movement thereon, said clasp-member having laterally flanged portions providing guideways at its sides, a slide slidable in said guideways in overlying relation to the rack-bar, and a resilient



latch carried by said slide and shaped to engage between the teeth of the rack-bar.

2,042,155

ALLOY

Robert H. Leach, Fairfield, Conn., assignor to Handy & Harman, New York, N. Y., a corporation of New York

No Drawing. Application April 2, 1936, Serial No. 72,287
5 Claims. (Cl. 75—165)

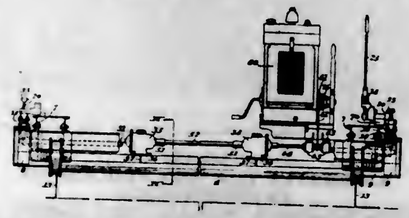
1. An alloy which consists of gold in an amount ranging from about 33 per cent to about 50 per cent, silver in an amount ranging from about 10 per cent to about 18 per cent, copper in an amount ranging from about 30 per cent to about 40 per cent, nickel in an amount ranging from about 1 per cent to about 5 per cent, and zinc in an amount ranging from about 5 per cent to about 10 per cent.

2,042,156

TAMPER FOR CONCRETE ROAD FINISHING MACHINES

Harold E. McCrery, Pittsburgh, Pa., assignor to Blaw-Knox Company, Blawnox, Pa., a corporation of New Jersey

Application December 29, 1933, Serial No. 704,396
6 Claims. (Cl. 94—48)



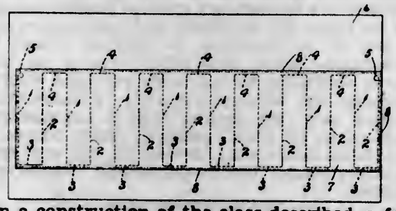
1. Mechanism for tamping material such as cementitious mixes comprising a vehicle, an elongated material-engaging means including a stiffening beam resiliently supported from the vehicle, a plurality of weights mounted at spaced points along said beam for eccentric rotation in vertical planes, each weight comprising a portion thereof shiftable radially relative to the remainder of the weight, and means for rotating said weights in substantially the same phase.

2,042,157

SPRING SEAT CONSTRUCTION

James L. McInerney, Grand Rapids, Mich.

Application February 19, 1934, Serial No. 711,850
1 Claim. (Cl. 155—179)



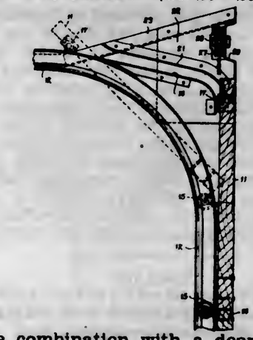
In a construction of the class described, a fabric member of rectangular form, a second fabric member of rectangular form of substantially the same length as the first member but narrower in width, and a wire construction between the fabric members, said wire construction having a length substantially equal to the length of the fabric members and including parts pivotally connected together to turn about a longitudinal axis parallel to the length of the fabric members, said parts being of resilient wire, as specified, said fabric members being sewed together to form a pocket of substantially the same dimensions as the said wire construction.

2,042,158

DOOR

Robert L. McKinney, Pittsburgh, Pa., assignor to McKinney Manufacturing Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application October 5, 1929, Serial No. 397,586
10 Claims. (Cl. 20—20)



1. The combination with a door frame, of a door composed of hinged sections, generally vertically and horizontally-disposed tracks comprising upper and lower reaches, and track-engaging members carried by said door sections, the track-engaging members of the sections normally engaging the lower track reach, the track-engaging member of the outermost section, however, engaging the upper track reach while permitting the outer edge of such section to lie in a plane no higher with respect to the track than the plane occupied by the other sections.

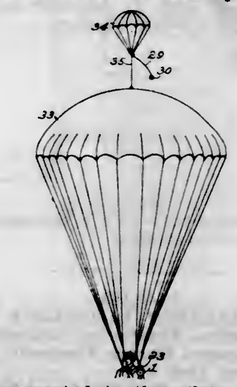
2,042,159

AUTOMATIC PARACHUTE RELEASE DEVICE

James V. Mohler, Oelwein, Iowa, assignor of one-half to Guy M. Butts, Wesley, Iowa

Application September 20, 1935, Serial No. 41,389
5 Claims. (Cl. 244—21)

1. In combination, a collapsible main parachute and a collapsible pilot parachute having a flexible connection thereto, a container for the main parachute having closing means, a rip cord connected to and for ripping said closing means to release the main parachute, and time controlled mechanism connected to said rip cord and releasably connected to the pilot parachute and governed to cause it to open said closing means to release the main parachute as soon as the pilot parachute is expanded in descending aerially and at the elapsing of a previously determined time.

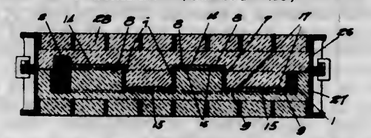


2,042,160

WHEEL

Harry M. Pflager, St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware

Application February 10, 1933, Serial No. 656,075
7 Claims. (Cl. 295—27)



1. A vehicle wheel structure comprising hub and rim parts and connecting spokes of Z-shaped cross-section with flanges spaced transversely of the plane of the wheel, corresponding flanges of adjacent spokes extending towards each other and merging with each other and with said rim part adjacent one edge thereof whereby both edges of said rim part are reinforced at alternate intervals around the structure by substantial portions of said merging flanges.

2,042,161

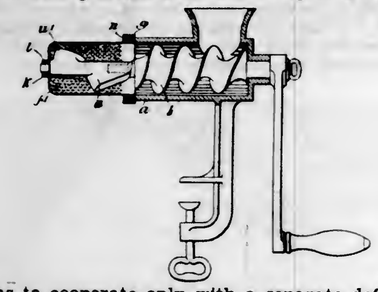
COMMINUTING MACHINE FOR FOOD-STUFFS

Gebhard Satzinger, Bad Kissingen, Germany

Application January 10, 1935, Serial No. 1,179
In Germany May 29, 1934
5 Claims. (Cl. 146—182)

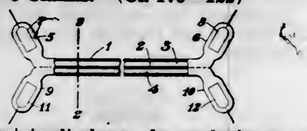
1. In combination with the casing of a food comminuting machine and the rotatable food comminuting means contained therein, a grating element detachably mounted on said casing in fixed position beyond the outer end of said food comminuting means, and a plurality of wing-shaped members operatively coupled with said food comminuting means for rotation therewith and disposed to sweep across the inner face of said grating element, said members being angularly spaced about the axis of rotation of said

comminuting means and each being of a length



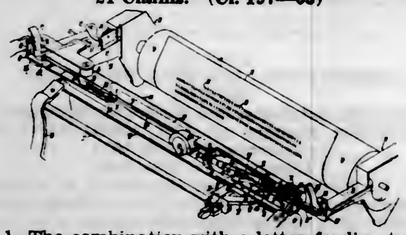
so as to cooperate only with a separate definite area of said grating element.

2,042,162
GASEOUS ELECTRIC DISCHARGE DEVICE
Pieter Schouwstra, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York
Application January 27, 1933, Serial No. 653,848
In Germany March 10, 1932
6 Claims. (Cl. 176—122)



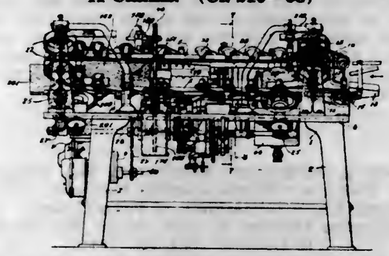
1. An electric discharge lamp device comprising a tubular container having longitudinal passageways therein, each of said passageways having a different longitudinal axis than the other of said passageways, electrodes sealed in each of said passageways, a gaseous filling in each of said passageways, the gaseous filling in each of said passageways having a different light emitting characteristic than the gaseous filling in the other of said passageways, the wall of said container dividing said passageways having a different light transmitting characteristic than the other walls of said container.

2,042,163
TYPEWRITING MACHINE
Jesse A. B. Smith, Stamford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application April 27, 1935, Serial No. 18,516
21 Claims. (Cl. 197—63)



1. The combination with a letter-feeding typewriter-carriage, of carriage-return-gaging mechanism designed for facilitating determination of carriage-return to paragraphing, instead of non-paragraphing, line-starting position, said mechanism including a stationary stop, two counter-stops on the carriage for engaging said stationary stop and usable respectively for paragraphing and non-paragraphing, a latch-and-spring device whereby one of said counter-stops is placeable in effective or ineffective position relative to said stationary stop, and a paragraphing-key cooperative with said latch-and-spring device, in response to a momentary manual pressure on said key, to place and maintain said one counter-stop in one of its positions, to thereby render the paragraph-counter stop effective at a carriage-return operation, means being provided whereby following the carriage-return to paragraphing-position said one counter-stop is automatically replaced in its other position, under control of said latch-and-spring device, to thereby automatically render the no-paragraph counter-stop effective.

2,042,164
LABELING MACHINE FOR CYLINDRICAL AND SIMILAR PACKAGES
Charles Henry Wild, Baltimore, Md., assignor to Burt Machine Company, Incorporated, Baltimore, Md., a corporation of Maryland
Application July 27, 1933, Serial No. 682,468
41 Claims. (Cl. 216—58)



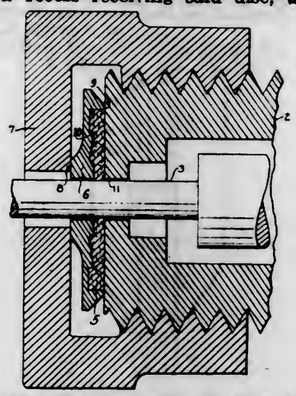
1. In a machine for labeling cylindrical packages, guiding and supporting means for holding the packages in a position in which they are inclined at an angle to the vertical, and feeding means comprising a feed belt engaging the packages on the side opposite the supporting means and means for moving the portion of the belt in contact with the packages in the direction of the feed for feeding the packages through the machine by rolling and label presenting means and coating means for adhesive similarly inclined whereby the labels are applied and affixed to the packages as they pass through the machine.

2,042,165
ANTHRAQUINONE DERIVATIVES AND PROCESS OF PREPARING THE SAME
Alexander J. Wuertz, Carrollville, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Original application May 21, 1929, Serial No. 364,943. Divided and this application September 14, 1932, Serial No. 633,082
10 Claims. (Cl. 260—37)

9. An anthraquinone-arylene-acridone of the class consisting of anthraquinone-2,1-benzacridones and anthraquinone-2,1-naphthacridones which contain a carbonyl chloride group in the arylene radical.

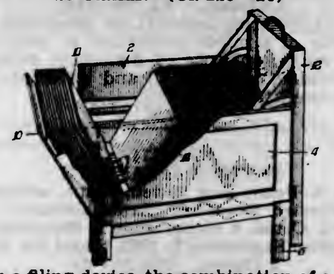
2,042,166
PRESSURE-TIGHT BEARING
Frederick A. Barnes, Cleveland Heights, Ohio, assignor to Bailey Meter Company, a corporation of Delaware
Application April 29, 1933, Serial No. 668,613
5 Claims. (Cl. 308—36.2)

1. A pressure-tight bearing for an angularly movable spindle extending to the atmosphere through the wall of a casing within which is a pressure other than that of the atmosphere, comprising a disc shaped piece of pliable material snugly fitting said spindle, a metallic follower having a recess receiving said disc, a cap for



forcing said follower and disc toward the casing, and means on the follower engaged by said cap for concentrating pressure on the pliable material at an area closely adjacent the engaging surface of the disk with the spindle.

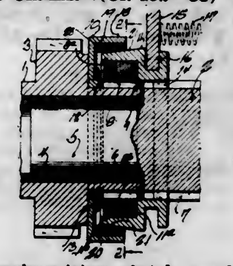
2,042,167
FILING DEVICE
Donald A. Beeler, Winnetka, Ill., assignor to Automatic File & Index Company, Chicago, Ill., a corporation of Delaware
Application November 21, 1932, Serial No. 643,585
25 Claims. (Cl. 129—16)



4. In a filing device, the combination of a spacer member, a supporting member therefor, a projecting element associated with one of said members, and resilient releasable means associated with the other of said members for engaging said projecting element for holding said spacer member in association with said supporting member, said spacer member being provided with finger-engaging means whereby said projecting element may be removed from engaging relation with said means.

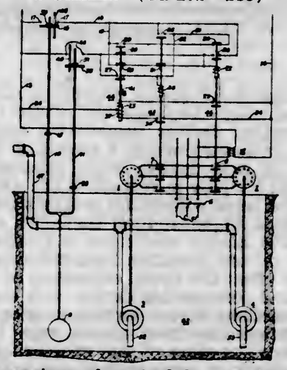
12. In a filing device, the combination of a plurality of spacer members provided with securing lugs, means for engaging said lugs for holding said spacer members whereby said lugs are slidably connected thereto, and means slidable relative to said lugs for maintaining the same in contiguous relation, said last named means including a member movable relative thereto and having a part in substantially parallel relation to the contacting faces of said lugs and having substantial surface contact with the end lug of a series of spacers.

2,042,168
SYNCHRONIZING CLUTCH
Leon Jay Campbell, Buchanan, Mich., assignor to Campbell-Buchanan Corporation, Chicago, Ill., a corporation of Illinois
Application December 27, 1932, Serial No. 648,899
2 Claims. (Cl. 192—53)



1. In a synchronizing clutch mechanism for automotive change speed transmissions, co-operating synchronizing clutch members, said synchronizing clutch members having interfitting inclined portions provided with arcuate sections of different diameters whereby the members in certain rotative positions may have frictional driving engagement and positive driving engagement in others, said sections where they join on the respective members providing edges to scrape the lubricant from the co-acting surfaces of the members in their relative rotation, and slots in the surface of one member to receive the lubricant scraped from the members.

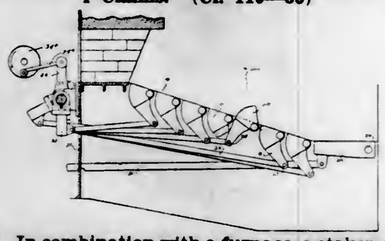
2,042,169
MOTOR CONTROL SYSTEM
Willard G. Cook, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 24, 1934, Serial No. 736,662
2 Claims. (Cl. 172—239)



1. In a system of control for a pair of motors, in combination, a source of electrical energy, a pair of switches adapted to connect the respective motors to the source of energy, a double-coil double-throw contactor, a float controlled switch adapted to energize either one of said pair of switches depending on the position of said double-coil double-throw contactor and circuit arrangements adapted to be interconnected with the source of energy by the float switch and adapted to energize one of the coils of the double-throw switch to thus change its position whereby the particular switch of said pair of switches and the second coil of the double-throw switch not

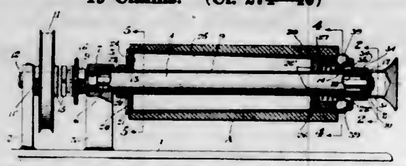
energized by the first operation of the float switch may be caused to be energized by the second operation of said float switch.

2,042,170
STOKING GRATE
Frank L. Dument, Upper Montclair, N. J.
Application February 21, 1933, Serial No. 657,767
4 Claims. (Cl. 110—33)



1. In combination with a furnace, a stoker comprising a series of grate bars mounted for movement of a nature to feed the fuel through the combustion area, a common actuating shaft for said bars, automatic means for operatively connecting said bars to said shaft in a regular sequence and means for varying the frequency of actuation of said bars independently of the frequency of movement of said shaft.

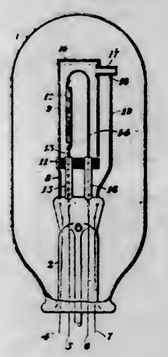
2,042,171
PHONOGRAPH
Nelson C. Durand, East Orange, and Heinrich F. Max Gramann, Orange, N. J., assignors to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey
Application January 5, 1932, Serial No. 584,772
19 Claims. (Cl. 274—40)



18. A support for hollow cylindrical sound records, comprising two spaced record-engaging and supporting devices respectively adapted to cooperate with the ends of a record on the support, one of said devices being expansible and contractible radially in respect to the axis of the support and being sufficiently contractible to permit a record to be applied thereover onto the support, and means comprising a member movable in a certain direction longitudinally of the support to effect the radial expansion of said expansible and contractible device, said expansible and contractible device having portions which after a record has been moved onto the support towards the other of said supporting devices a certain distance, coact with the record to urge it in a direction opposite to said direction of movement of said member.

2,042,172
GASEOUS ELECTRIC DISCHARGE DEVICE
Hans Ewest, Berlin, and Georg Gaidies, Berlin-Pankow, Germany, assignors to General Electric Company, a corporation of New York
Application September 29, 1930, Serial No. 485,059
In Germany November 29, 1929
10 Claims. (Cl. 176—122)

1. The method of starting an electric discharge lamp, comprising a container, electrodes sealed therein, a gaseous filling therein, a metal chamber in said container, and a tube of small diameter in the walls of said metal chamber, one of said electrodes being arranged in said chamber, another of said electrodes being arranged

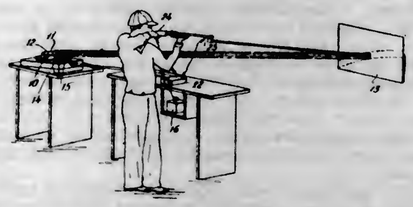


outside of said chamber and adjacent the exterior end of said tube, which consists in connecting said chamber into the circuit as an anode during the starting operation and disconnecting said chamber from the circuit during the normal operation of the lamp.

2,042,173
COLORING MATERIAL FOR FOOD FATS AND OILS
Adino F. Files, Maumee, Ohio
No Drawing. Application April 8, 1935, Serial No. 15,258
5 Claims. (Cl. 99—148)

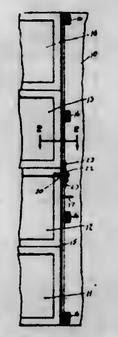
5. A dry coloring material for oleaginous foods consisting of a minor proportion of aniline dye and a major quantity of desiccated milk, and substantially free from oil and water and triturated together.

2,042,174
TESTING APPARATUS
George A. Foisy, New Haven, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a corporation of Maryland
Application September 2, 1932, Serial No. 631,464
5 Claims. (Cl. 35—25)



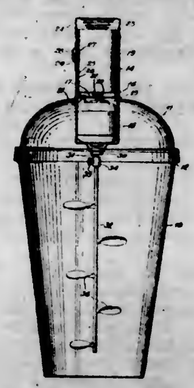
1. Apparatus of the character described comprising a light source, a light sensitive cell under control of an operator to be tested, a time indicating device, an electric circuit, said circuit including said light sensitive cell and also including means for controlling the operation of the time indicating device to mark the end of the indicating period, said means being operable when light rays from said light source are directed on said light sensitive cell.

2,042,175
SECTIONAL DOOR MECHANISM
Charles C. Gill, Richard O. Julian, John W. McIlwraith, and Charles F. Rutledge, Elwood, Ind., assignors of one-half to John W. McIlwraith and one-half to Charles F. Rutledge, both of Elwood, Ind.
Application July 29, 1933, Serial No. 625,791
8 Claims. (Cl. 20—20)



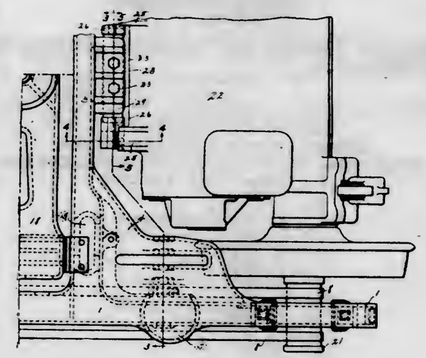
1. In a sectional door, the combination of a plurality of hingedly and horizontally connected foldable door sections arranged to fold overhead for door opening and for movement downwardly for door closing, a side jamb, a stationary guide track adjacent thereto, guide means on the door movable therein, a sealing means supported by the jamb and constrained toward non-sealing position, a member on the door and movable therewith, and means on the sealing means engageable by the member in door closing movement substantially when finally closing for causing said sealing means to seal the door to the jamb.

2,042,176
MIXING DEVICE
Frederick G. Hausman, Lakeville, Conn.
Application June 25, 1935, Serial No. 28,258
2 Claims. (Cl. 259—122)



1. A device of the character described comprising a receptacle provided with a removable domed cover, a power plant, a casing formed in the cover and adapted to receive said power plant and to isolate the power plant from the contents of the receptacle, an agitator for agitating the contents of the receptacle, and a coupling for operatively connecting the agitator to the power plant, said power plant comprising a motor element, a removable energy supplying element, and manually controllable means for operatively connecting said motor and said element, the motor being disposed within the bounds of the cover dome.

2,042,177
RAILWAY MOTOR TRUCK
Karl S. Howard, St. Louis, Mo., assignor to General Steel Castings Corporation, Granite City, Ill., a corporation of Delaware
Application July 6, 1931, Serial No. 548,997
15 Claims. (Cl. 105—139)

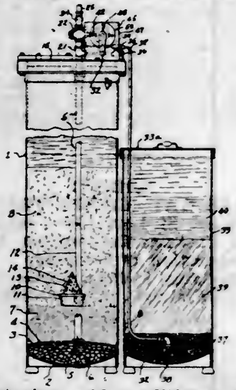


1. In a motor truck, a truck frame including a transom, a wheel axle, an interposed motor housing mounted at one end on the wheel axle and having projecting members adjacent said transom on which are mounted laterally adjustable brackets which are bolted thereto in operative positions, upper and lower brackets projecting from the transom side wall adjacent to the motor housing, horizontal spring retaining bars disposed transversely between said transom brackets and detachably bolted thereto and having their ends engaging said motor housing brackets when said latter brackets are in operative positions to support said motor housing and resist vertical movement of the latter in either direction.

2,042,178
WATER-SOFTENER REGENERATING PROCESS AND APPARATUS
Frank X. Lauterbur and Edward J. Lauterbur, Sidney, Ohio; Wilhelmina S. Lauterbur and Leo V. Lauterbur, executors of said Frank X. Lauterbur, deceased
Application August 18, 1932, Serial No. 629,335
13 Claims. (Cl. 210—24)

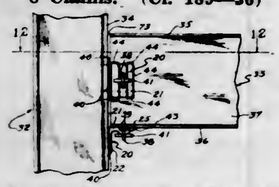
1. The process of regenerating a disintegrated water-softening agent normally bedded in a body of water, with water circulating through said bed under pressure, comprising creating conditions in which the pressure is relieved and the circulation stopped, and successively, while maintaining said conditions, rolling said agent into said body of water, then commingling with the rolled agent a regenerating material, displacing the

water, then rinsing said material from the agent,



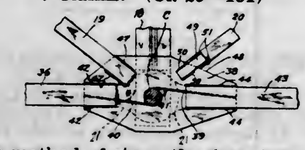
and then restoring said conditions, allowing the agent to settle.

2,042,179
SEAT CONNECTION
Arthur G. Leake, Bridgeport, Conn.
Application March 6, 1933, Serial No. 659,788
8 Claims. (Cl. 189—36)



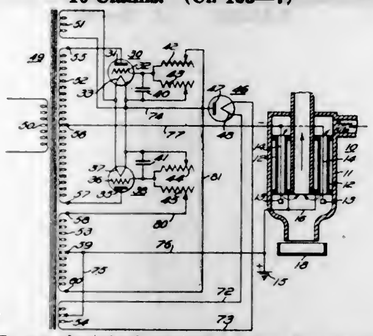
8. In a bracket for securing a beam to a column, an angle member comprising a pair of arms having their outer surfaces in right angular relationship, one of said arms adapted to be secured to the column and the other arm having an elongated opening therethrough from its outer surface to receive a securing lug welded to the beam, and said arm having sunken outer surface portions communicating with the ends of said opening to form a depression to receive projecting weld metal at the sides of the lug.

2,042,180
METHOD OF REENFORCING BRIDGES
Arthur G. Leake, Bridgeport, Conn.
Application October 20, 1933, Serial No. 694,418
7 Claims. (Cl. 29—151)



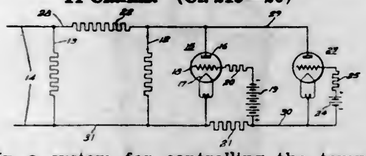
1. The method of strengthening pin connected trusses while in position in a fabricated structure, the same comprising providing a plate, forming a hole in said plate to receive a pin, splitting said plate into two sections by a cut passing through said hole, assembling the separate plate sections about the pin while it is in position in the structure and with the pin disposed through said hole, then welding the sections of the plate together along the line of said cut, and then securing an end of a strengthening bar to the plate.

2,042,181
CONTROL CIRCUIT
Dewey D. Knowles, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 30, 1932, Serial No. 626,849
10 Claims. (Cl. 183—7)



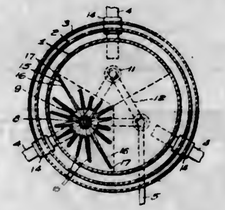
1. In an electrical control system for electrical precipitators having a collecting electrode, a discharge electrode disposed in space relation with said collecting electrode, and means for passing a gas through the region of said electrodes, the combination of a grid-controlled rectifying tube for supplying uni-directional-current of relatively high voltage to the discharge electrode, a source of electrical energy, means for connecting the rectifying tube in circuit relation with the discharge electrode and the source of electrical energy, means for normally biasing the grid of the rectifying tube to cause a predetermined amount of current to flow therethrough, a two-electrode electronic tube, and means for so interconnecting the rectifying tube and the electronic tube that, when the current flowing through the said tubes exceeds the said predetermined amount, the electronic tube provides a negative blocking bias to oppose and exceed the action of the normal biasing means to thus decrease the current flowing through said tubes.

2,042,182
OIL BATH TEMPERATURE REGULATOR
Dewey D. Knowles, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 19, 1934, Serial No. 726,558
11 Claims. (Cl. 219—20)



1. In a system for controlling the temperature of a bath, in combination, a source of alternating current power, an electric heater connected to the source of power for delivering heat to the bath, an electric discharge device connected to the source of power and disposed to shunt a portion of the heater to control the delivery of heat to the bath, and an electric discharge device sensitive to temperatures disposed to initiate the functioning of the heat controlling discharge device whereby when the temperature reaches a predetermined value the delivery of heat is reduced for a portion of each cycle of power.

2,042,183
INDIRECTLY HEATED HEAVY DUTY CATHODE
Ernst Lübcke, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application September 2, 1933, Serial No. 687,998
In Germany September 6, 1932
2 Claims. (Cl. 250—27.5)



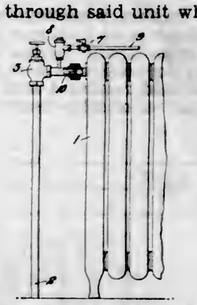
1. A cathode body for high capacity electron discharge devices having a plurality of heaters therein, said heaters comprising a heater winding, a metal housing surrounding the heater winding and a plurality of radial ribs of different lengths attached to the inside of said housing.

2,042,184
LUBRICATOR
John McCreadie and Guy Hickerson, Midland, Mich.
Application February 14, 1933, Serial No. 656,694
9 Claims. (Cl. 184—35)

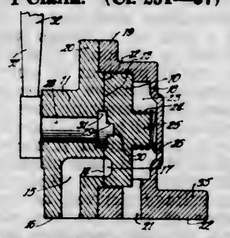
1. The combination in a lubricator, of a pump, a rotary valve mounted in the lubricator and provided with spaced apart ports, discharge ducts communicating with said valve, each of said ports successively registering with a discharge duct as the valve is rotated, rotatable means for rotating said valve, and adjustable members mounted on said rotatable means for actuating said pump upon registration of each port with a discharge duct to force lubricant to the valve as the valve is driven.

2,042,185
HUMIDIFYING APPARATUS
Bruno Michalski, Paramus, N. J., assignor of one-half to Robert W. Beardslee, Scarsdale, N. Y.
Application May 15, 1935, Serial No. 21,532
5 Claims. (Cl. 237—78)

1. In combination in a heating system including a steam supply, a heating unit and a control valve therefor and a vacuum return, means beyond said valve for discharging humidifying steam to the atmosphere, and means beyond the humidifying steam connection for retarding the flow of steam through said unit whereby a pressure positive to the atmosphere is built up in said discharge means.



2,042,186
VALVE CONSTRUCTION
Victor W. Peterson, Chicago, Ill., assignor to Hannifin Manufacturing Co., Chicago, Ill., a corporation of Illinois
Application July 13, 1932, Serial No. 622,192
1 Claim. (Cl. 251—87)

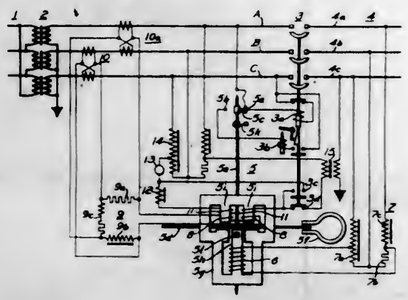


A disc valve of the character described comprising in combination a valve body having a base and a flat seat along one side and at right angles to said base, inlet and exhaust passages provided with ports in said seat and opening in said base, a valve disc seated on said seat and controlling the ports therein, a cover over said disc and secured to said body to enclose said disc, said cover having a base flush with said valve body base and having an inlet passage leading from the cover base to the interior of said cover to conduct air under pressure to the back of said disc to hold the same on its seat, said body base and cover base constituting a base face for said valve and all of said passages opening through the said base face, said valve being rotatable to uncover one or more ports in said seat to admit air under pressure thereto, and a valve stem passing through said body and engaging said disc to rotate the latter, said stem being separate from said valve disc but having an operating connection therewith whereby said disc may seat independently of said stem, said disc and seat being lapped entirely around said stem to prevent leakage along said stem.

2,042,187
NETWORK DISTRIBUTION SYSTEM
Rolla E. Powers, Verona, Pa., and Hudson R. Searing, New York, N. Y., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application December 21, 1932, Serial No. 648,207
29 Claims. (Cl. 175—294)

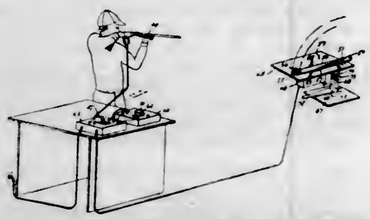
2. In apparatus for controlling the connection of a pair of three-phase alternating-current cir-

cuits, a circuit breaker, impedance means for producing a resultant of at least two phase voltages of one of said circuits, and means for closing said circuit breaker in response to a predetermined relationship of said resultant and a voltage derived from the other of said circuits.



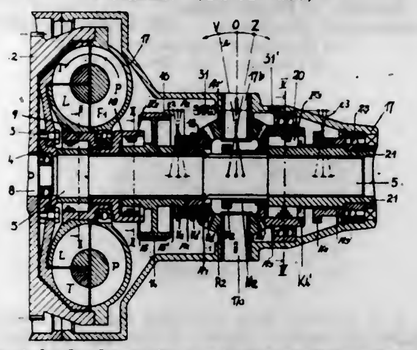
11. In apparatus for controlling the connection and disconnection of a pair of polyphase alternating-current circuits, a circuit breaker, a relay for controlling said circuit breaker, said relay having a pair of windings and a movable element operable in response to a predetermined value of the vector product of currents in said windings, means effective when said circuit breaker is open for energizing one of said windings in accordance with a voltage resultant dependent upon a plurality of phases of the polyphase voltage of one of said circuits, means for energizing the other of said windings in accordance with a voltage derived at least partially from the other of said circuits such that the vector product of said resultant and said last-mentioned voltage is a function of the magnitude and phase relationship of the polyphase voltages of said circuits, and means including said movable element for causing said circuit breaker to close in response to a predetermined value of the vector product of currents in said windings.

2,042,188
TESTING APPARATUS
Edwin Pugsley, New Haven, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a corporation of Maryland
Application January 22, 1934, Serial No. 707,713
7 Claims. (Cl. 161—15)



3. Apparatus of the class described comprising an indicating device, target throwing means, an electric circuit, means in said circuit to operate said indicating device and said target throwing means, a gun, switch means mounted on the gun and operable by the manipulation of the trigger and means controlled by the operation of said switch means to stop said indicating device.

2,042,189
HYDRODYNAMIC GEAR
Karl Rabe, Stuttgart, Germany
Application February 19, 1935, Serial No. 7,251
In Germany February 12, 1934
9 Claims. (Cl. 74—330)

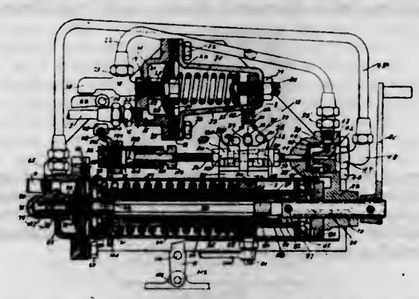


1. A hydrodynamic power transmitting device of the Föttinger type comprising a support, a set of bladed wheels enclosing a single fluid circuit and including a pump, a turbine and a guide wheel,—a plurality of rotary shafts, including a driving shaft keyed to said pump wheel, a driven shaft journalled in said support, an auxiliary shaft keyed to said turbine wheel and arranged intermediate the driving and the driven shafts, and a sleeve-shaped shaft keyed to said guide wheel,—a rotary brake mounted on said auxiliary shaft, actuating means carried by said support for arresting and setting free said brake, two self-locking clutches, viz. a forwardly acting one coaxially associating said sleeve and auxiliary shaft for engaging and disengaging the latter in response to changes in the direction of rotation of the guide wheel, and a rearwardly acting one coaxially associating said sleeve and brake for arresting the guide wheel or allowing the latter to rotate in response to changes in the operation of said brake, and a reversing gear cooperatively associated with the said brake for transmitting rotary energy from the latter to the driven shaft, said reversing gear comprising a primary and a secondary gear wheel, which are arranged coaxially to said rotary brake, intermediary gear wheels mounted in said support, and a self-locking clutch cooperatively associating the secondary wheel of said reversing gear and the driven shaft so as to interlock and unlock the latter in response to changes in the direction of rotation of the reversing gear relatively to that of the driven shaft.

2,042,190
AIR-METERING DEVICE
Frederick H. Ragan, Shaker Heights, Ohio, assignor to W. R. Barnhart, Jr., Cleveland, Ohio
Application April 4, 1928, Serial No. 267,248
Renewed October 22, 1935
17 Claims. (Cl. 221—73.5)

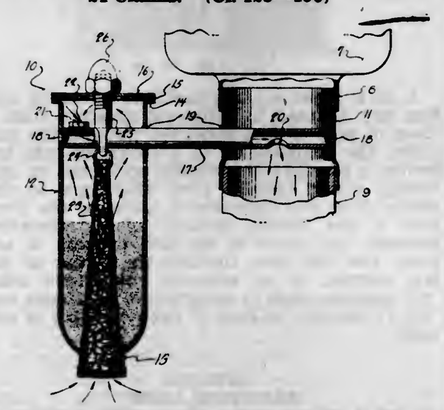
1. An air metering device for supplying compressed air to a container in pulsations of heavy pressure without danger of oversupply comprising a pressure source, a line adapted to connect said source with a container, a valve in said line, and mechanism responsive to pressure in said line beyond said valve for opening and closing said valve to effect pulsating delivery through said line, said mechanism comprising a flexible diaphragm having one face exposed to the pressure in said line, an element movable in one direction

by said diaphragm, a spring urging said element in the opposite direction, a second spring supplementing the action of said first-named spring



after initial movement of the first spring and means operable by the user of said device for varying the compression of said first-named spring.

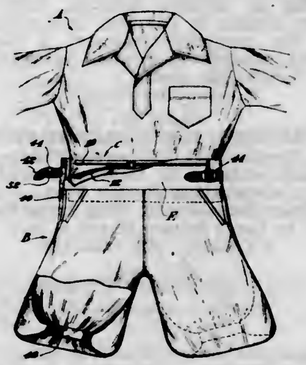
2,042,191
APPARATUS FOR INJECTING GRAPHITE INTO ENGINES
Carl R. Rolen, Waukesha, Wis.
Application October 17, 1934, Serial No. 748,639
21 Claims. (Cl. 123—196)



1. In combination with a duct adapted to be subjected to the influence of vacuum to cause air flow therethrough, a container for dry powdered material which it is desired to inject into said duct, means to communicate said container with said duct, and a fibrous barrier closing an air inlet to the container through the interstices of which air is drawn into the container by the effect of vacuum in said duct, said fibrous barrier being so arranged with respect to the dry powdered material within the container that air passing therethrough picks up and carries the powdered material into said duct.

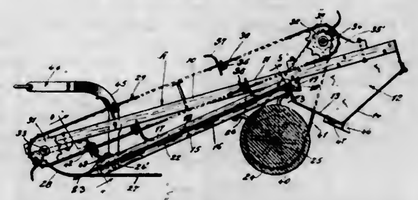
2,042,192
GARMENT FOR BOYS
Betty Rubin, Brooklyn, N. Y., assignor to Eagle Boys Suit Corporation, New York, N. Y., a corporation of New York
Application October 9, 1933, Serial No. 692,776
2 Claims. (Cl. 2—70)

1. A shirt suitable for boy's wear, having its lower portion provided at the front with one element of a slidable closure and the lower portion at the rear thereof provided with a plurality of pendent elastic bands, each provided at its lower end with a button, a pair of trousers adapted for assembly to said shirt and provided at the front portion of the waist band portion thereof with an element of a slidable closure, and provided at the rear portion of the waist band portion thereof with button holes adapted to receive the aforementioned buttons, whereby said trousers may be readily attached to said shirt and readily detached therefrom and whereby



sufficient expansion is provided in elastic form at the rear portion thereof to provide for ordinary usage, slits dividing the waistband portion of said trousers into separated portions, and elastic restricting means adapted to bridge said slits to provide an elastic waist support for said trousers, said restricting means comprising readily detachable portions, whereby the waist band portion may be readily divided into separated portions.

2,042,193
STONE PICKER
Louis Schema, Kiel, Wis.
Application June 6, 1935, Serial No. 25,273
3 Claims. (Cl. 55—17)

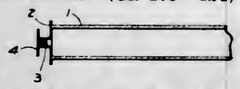


1. A stone gatherer comprising a main frame including a pair of spaced parallel, longitudinally extending beams, a supplemental frame including pairs of upper and lower spaced parallel beams, means rockably supporting the rear ends of the upper and lower beams of the supplemental frame from the main frame beams, ground-engaging means carried by the opposite ends of the lower supplemental frame beams, digging prongs carried by the forward ends of the upper supplemental frame beams, means adjustably connecting the main frame beams to the lower supplemental frame beams, an endless conveyor carried by the main frame beams for conveying rock picked up by the prongs to the rear end of the machine, and means for receiving the rock from the conveyor.

2,042,194
STRIPPING DYEINGS PREPARED WITH VAT DYESTUFFS
Conrad Schoeller, Ludwigshafen-on-the-Rhine, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application March 14, 1933, Serial No. 660,776. In Germany March 23, 1932
8 Claims. (Cl. 8—2)

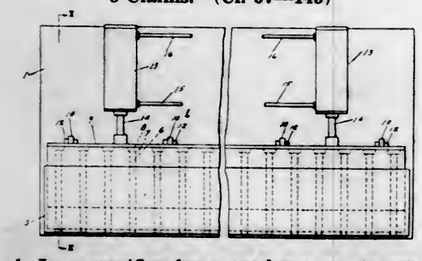
1. The process for stripping dyeings prepared with vat dyestuffs, by means of an aqueous bath containing an alkaline reducing agent, which comprises adding to the said bath towards the end of the stripping treatment a magnesium compound capable of forming magnesium hydroxide in alkaline media.

2,042,195
ELECTRIC DISCHARGE DEVICE
William Joseph Scott, Hillmorton Paddox, Rugby, England, assignor to General Electric Company, a corporation of New York
Application February 27, 1935, Serial No. 8,561
In Great Britain March 5, 1934
6 Claims. (Cl. 176—124)



2. A gaseous electric discharge lamp comprising in combination an envelope, a quantity of mercury and another vaporizable material therein, the quantities of the vaporizable materials being such that during operation of the lamp the mercury can be entirely vaporized and the other material only partially vaporized, means to supply sufficient electrical energy to the lamp to completely vaporize the mercury, caps sealed on the ends of the envelope and recesses in said caps containing the unevaporated portion of the other vaporizable material.

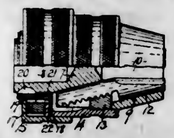
2,042,196
SCARIFIER
Nicholas H. Senz, Portland, Oreg.
Application June 1, 1934, Serial No. 728,510
5 Claims. (Cl. 37—145)



1. In a scarifier for a grader, a grader blade, a support on the back of the blade that is rigid therewith, a hollow beam member rigid with the support and a scarifier head adjustably movable vertically within said hollow beam.

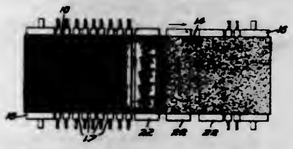
2,042,197
DRILL CHUCK
Arthur M. Stoner, West Hartford, Conn., assignor to The Jacobs Manufacturing Company, Hartford, Conn., a corporation of Connecticut
Application March 30, 1934, Serial No. 718,259
6 Claims. (Cl. 279—61)

1. A drill chuck including a body, chuck jaws movably mounted on the body, a clamping sleeve operatively connected with said jaws for operation thereof, a gripping sleeve rotatably mounted on said body, a geared connection between said gripping and clamping sleeves and including a



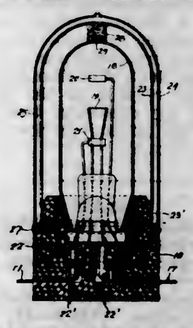
plurality of toothed members, each tooth of one of said members being adapted for simultaneous engagement with two members having a varied number of teeth and means for temporarily breaking said geared connection.

2,042,198
SUCTION BOX COVER
John S. Swauger, Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 28, 1934, Serial No. 722,825
9 Claims. (Cl. 92—51)



1. In a paper-making machine having a suction box adapted to withdraw moisture from a sheet of pulp as it is conveyed through the machine, the combination of a cover for said box having a plurality of openings positioned in uniformly spaced parallel rows which are so displaced from the direction of travel of the sheet that a line drawn parallel to said direction through the center of the first opening in any given row will pass through the center of the last opening in an adjacent row, there being "*n*" openings each in alternate of said rows and "*n*—1" openings in each of the remaining of said rows.

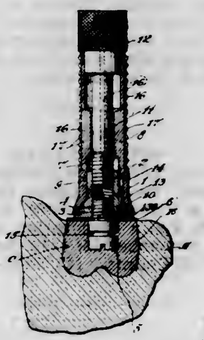
2,042,199
ELECTRIC LAMP
Adolph A. Thomas, New York, N. Y., assignor to General Electric Vapor Lamp Co., Hoboken, N. J., a corporation of New Jersey
Application April 12, 1934, Serial No. 720,213
3 Claims. (Cl. 240—11.4)



3. The combination of an insulating block having a base portion and a cylindrical extension

which is provided with exterior screwthreads, said base portion projecting laterally beyond said extension to form an outer annular shoulder at the base of said screwthreads, a compressible gasket on said outer shoulder, electric terminals carried by said block, an electric lamp removably mounted on said block and having contacts arranged to engage said terminals, and a double-walled heat-insulating bell of glass supported on said block and enclosing the lamp, the inner wall of said bell having screwthreads engaging the screwthreads on said block, whereby said bell is removably mounted on the block independently of the lamp, the end of said bell abutting against said gasket and compressing it, said gasket forming a positive stop for the screwing-on movement of the bell.

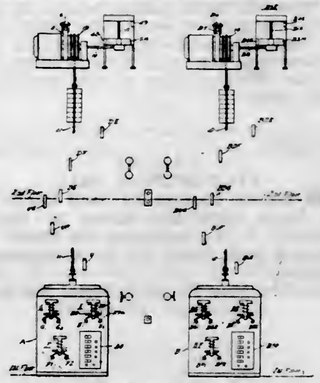
2,042,200
REMOVABLE TOOTH MOUNTING FOR DENTAL MODELS
Raymond Nelson Torp, Union, N. J.
Application May 1, 1934, Serial No. 723,342
6 Claims. (Cl. 32—40)



1. A mounting for a tooth model or similar article, comprising a tube to be embedded in a plaster model and having a frusto-conical seat in one end thereof, a saddle having a frusto-conical portion to fit said seat, said saddle being formed outwardly of said portion for attachment to a tooth or similar article, and a screw passing through said tube having a threaded connection at one end with said saddle and having a head at its other end abutting the adjacent end of the tube opposite said saddle for fastening said saddle in said tube.

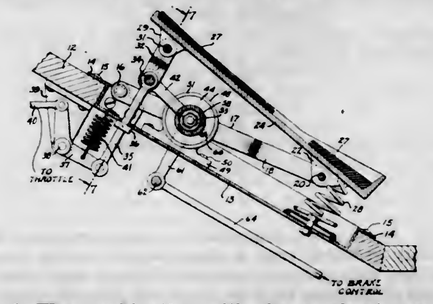
2,042,201
SIGNAL SYSTEM FOR ELEVATORS
Harold W. Williams, Chicago, Ill., and William F. Eames, Pittsburgh, Pa., assignors to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois
Application August 24, 1934, Serial No. 741,271
22 Claims. (Cl. 177—336)

1. In an elevator system for operating a car past a floor, means for starting, running and stopping the car, a signal device in the car, means responsive only to the approach of the car to the floor for operating the signal device only while the car can yet be operated to stop at the floor to indicate when the means for stopping the car should be operated to cause it to stop at the floor, and means responsive to deceleration of the car for a stop at the floor



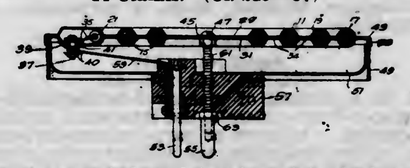
for operating said signal device to indicate the floor to which said car is decelerating to a stop.

2,042,202
AUTOMOBILE CONTROL DEVICE
Arthur B. Althouse, Manoa, Pa.
Application March 20, 1934, Serial No. 716,473
5 Claims. (Cl. 192—3)



1. The combination with the accelerator and brake mechanism of a motor vehicle, of a single foot pedal, said pedal being mechanically and operatively connected to said accelerator and brake mechanism, and means connected to the forward end and rear end of said pedal for selectively locking same at either end while permitting movement of the opposite end, whereby said pedal is operative to selectively actuate either the accelerator or the braking mechanism.

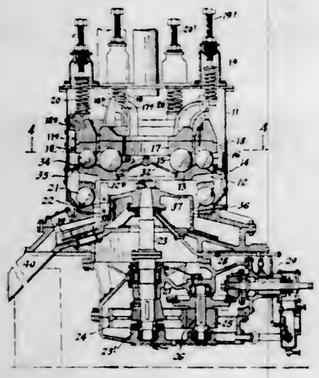
2,042,203
ELECTRIC HOT PLATE AND METHOD OF MAKING SAME
Christian B. Backer, Ottawa, Ontario, Canada
Application January 31, 1934, Serial No. 709,155
In Canada February 14, 1933
14 Claims. (Cl. 219—37)



1. An electric hot plate adapted for high temperature use in air including a bent metal-en-

cased heating element, a pair of substantially similar grooved metal plates located in opposed positions relatively to each other to receive and tightly hold the metal-encased heating element and to cover the same over its entire length and a continuous welding seam at the peripheries of the metal plates.

2,042,204
PULVERIZING MILL
Ervin G. Bailey, Easton, Pa., and Perry R. Cassidy, Short Hills, and Ralph M. Hardgrove, Westfield, N. J., assignors to Fuller Lehigh Company, New York, N. Y., a corporation of Delaware
Application May 21, 1932, Serial No. 612,758
16 Claims. (Cl. 83—45)

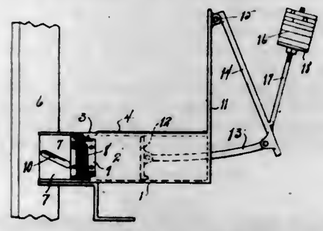


1. A pulverizer comprising a casing enclosing a rotary grinding ring, a non-rotary grinding ring at one side thereof, concentric inner and outer rows of grinding balls between said grinding rings, said grinding rings being spaced to define a discharge passage at the outer side of said outer row of balls, means for delivering material to be pulverized to the inner side of said inner row, the inter-ball spaces of said outer row being of smaller size than the inter-ball spaces of said inner row to restrict the flow of material between said rows, and means adjacent the periphery of said discharge passage for restricting the flow of material from said outer row of balls.

2,042,205
5-TERTIARYBUTYL - 1 - MERCAPTO-BENZOTHIAZOLE AND METHOD OF MAKING SAME
Edgar C. Britton and Andrew J. Dietzler, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application July 5, 1935, Serial No. 29,970
5 Claims. (Cl. 260—44)

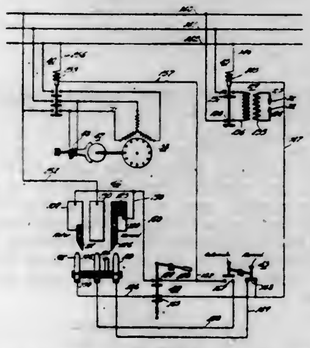
1. In a method of making 5-tertiarybutyl-1-mercapto-benzo-thiazole, the step which consists in heating a mixture of para-tertiarybutyl-aniline, carbon bisulphide, and sulphur under superatmospheric pressure to a temperature at which reaction occurs.

2,042,206
LUBRICATING DEVICE
Henry A. Brown, Fort Worth, Tex., assignor of one-fourth to Samuel E. Kennedy, Fort Worth, Tex.
Application April 1, 1935, Serial No. 14,138
5 Claims. (Cl. 184—21)



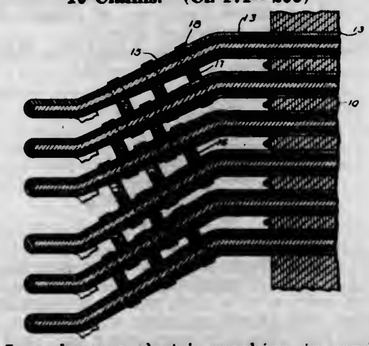
1. In a greasing device for rails consisting of a box-like body having slots in the forward end adapted to receive a guide rail, resilient flaps resiliently connected to said body and adapted to normally bear against the sides of said rail for directing grease thereto, a follower block slidably carried in said body for feeding grease toward said rail, and means carried by said body and cooperating with said block for forcing said grease toward the guide rail.

2,042,207
SPOT WELDER
John L. Brown, Verona, and William R. Harding, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 25, 1933, Serial No. 699,748
12 Claims. (Cl. 219—4)



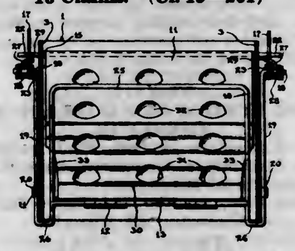
1. A spot welder comprising, in combination, a fixed electrode and a relatively movable electrode disposed for performing a welding operation on work positioned therebetween, circuit means for connecting said electrodes to a current source, manual and automatic operating means for moving said movable electrode relative to the other electrode to apply a predetermined welding pressure to said work, operating means directly connecting either said manual or automatic operating means to said movable electrode independently of said other operating means, and means for starting and stopping said automatic operating means to cause the welding pressure to be applied for performing a single spot welding operation.

2,042,208
DYNAMO-ELECTRIC MACHINE
John F. Calvert, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application April 12, 1934, Serial No. 720,224
10 Claims. (Cl. 171—206)



1. In a dynamo-electric machine, in combination, armature iron, a plurality of insulated phase windings carried by the armature iron, the phase windings extending beyond the armature iron presenting spaced end turn portions and conductors extending between the different end turn portions, said conductors being disposed on the end turn portions between the armature iron and the loops to electrically connect the surfaces of said end turn portions to prevent differences in electrical potential and corona discharge.

2,042,209
MOP WRINGER
William L. Chew, Rockville Centre, N. Y.
Application June 10, 1935, Serial No. 25,922
13 Claims. (Cl. 15—261)



1. A mop wringer including a pair of mop squeezing leaves, means for mounting the leaves for relative inward and outward movement to open and close the leaves, and means connected with the leaves and extending to a point between the upper and lower ends of the leaves and arranged to be directly engaged by a mop head when the same is introduced between the leaves, said means being operable by the pressure of a mop for moving the leaves with respect to the said means for closing the leaves to squeeze the mop.

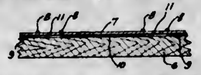
2,042,210
COMPOSITION TRAY
Noble S. Clay, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania
Application November 11, 1931, Serial No. 574,335
4 Claims. (Cl. 65—53)

1. A molded tray of laminated structure comprising superposed fibrous sheets and heat-hardening resin, a portion of the surface containing



an inlay sheet, the tray being of uniform thickness throughout the inlay and adjoining area.

2,042,211
PROTECTIVE COVERING FOR LUGGAGE CARRIERS
Hans P. Danielsen and Joseph J. Kiefer, Racine, Wis., assignors to Hartmann Trunk Company, Racine, Wis., a corporation of Wisconsin
Application January 18, 1935, Serial No. 2,340
5 Claims. (Cl. 41—22)



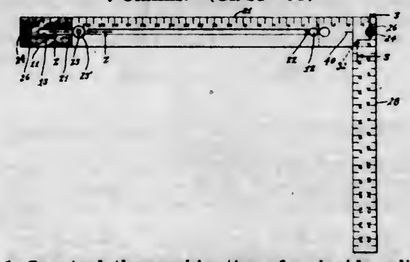
1. A translucent, tenacious, flexible sheet covering material for luggage carriers, having segregated colored areas adjacent the inner surface of the sheet and dimly visible through the material, and lines of demarcation for the colored areas on the outer surface of the sheet and coincident with the edges of said colored areas.

2,042,212
PRODUCTION OF TERTIARY ALCOHOLS AND PRODUCTS THEREOF
Richard M. Deanesly, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application March 11, 1935, Serial No. 10,457
20 Claims. (Cl. 260—156)

1. In a process of producing an aliphatic tertiary alcohol by simultaneous absorption and hydration of the corresponding olefine in an acid-acting absorption agent, the step of separating from said absorption agent a substantial part of the tertiary alcohol formed by extraction with an organic solvent for said alcohol which is substantially immiscible with said absorption agent under the conditions of absorption and recovering a substantial part of the tertiary alcohol content from the organic solvent.

20. A new composition of matter essentially comprising tertiary butyl alcohol and at least one isobutylene polymer substantially free of free acid.

2,042,213
UNIVERSAL TOOL FOR GAUGING AND MEASURING
Roger H. Ducey, Belmont, Mass., assignor to Joseph D. Knight, Reading, Mass.
Application November 25, 1933, Serial No. 699,729
7 Claims. (Cl. 33—98)



1. In a tool, the combination of an inside caliper with a terminal gauge element, and clamping means therefor; said gauge being a flat plate of

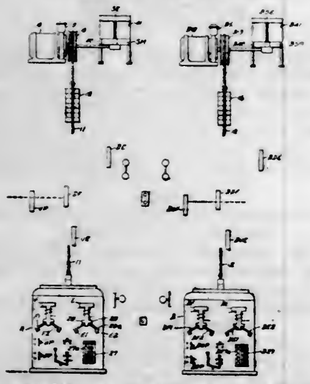
substantially L-shape; said clamping means comprising a stud fixed on and projecting at one face of the caliper; and said gauge element having in its basal portion an extensive opening through which said stud extends; said opening, at every location across it, having breadth dimension considerably greater than the diameter of said stud, thereby permitting its positional adjustment in all directions for straight-line adjustment of the gauge element in any compass direction with respect to the caliper.

2,042,214

SIGNAL AND CONTROL SYSTEM FOR ELEVATORS

William F. Eames, Edgewood, Pa., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois

Application February 7, 1934, Serial No. 710,104
34 Claims. (Cl. 177—336)



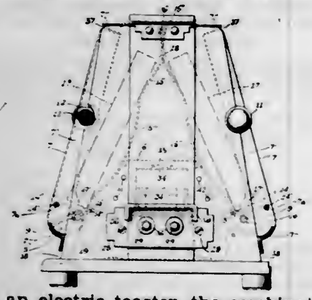
1. In an elevator system for operating a plurality of cars past a floor, a signal device in each car, a switch at the floor and means responsive to operation of the switch and to the position of the cars for operating the signal device in only the nearest approaching car for the direction of the switch regardless of the distance of said only car from said switch when the cars are operating in their normal spaced apart relation.

2,042,215

ELECTRIC TOASTER

Thomas A. Edison, Jr., East Orange, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application May 29, 1934, Serial No. 728,096
9 Claims. (Cl. 219—19)



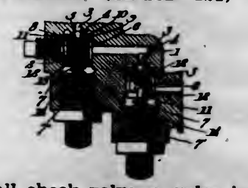
1. In an electric toaster, the combination of a plurality of toast racks mutually upwardly convergent, a horizontally extending heating device disposed between said racks at the approximate level of their bottom portions, and heat-deflecting members interposed between said device and lower portions of said racks whereby to reduce excessive radiation to such lower portions.

2,042,216

BALL-CHECK VALVE

Frank W. Edwards, Chicago, Ill., assignor to The Ohio Injector Company of Illinois, Chicago, Ill., a corporation of Illinois

Application May 10, 1935, Serial No. 20,873
4 Claims. (Cl. 251—121)



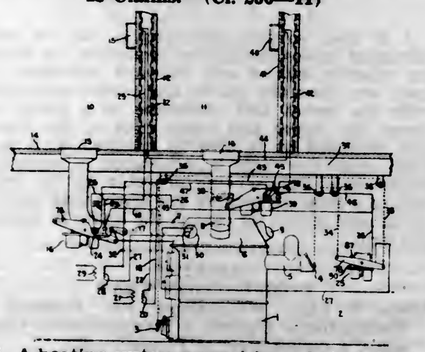
1. In a ball check valve, a valve housing including a bore terminating in a fluid passage provided with a valve seat, and an automatically operating ball check assembly arranged in said bore and including a follower and a ball, said ball arranged between said follower and said valve seat, said follower provided at its end adjacent to said ball with a recess of a diameter greater than the diameter of said ball and terminating in a bearing surface to receive and support said ball in free lateral rolling relation thereto, the depth of said recess being at least equal to the radius of said ball and providing a side wall of uniform diameter throughout its extent for limiting the free lateral rolling motion of said ball, said ball being normally out of contact with said side wall, and means for forcing said follower and with it said ball toward said valve seat, said ball when unseated being capable of free rolling motion with respect to said bearing surface as limited by said side wall and being prevented from escaping from said recess by said side wall when unseated, said free rolling motion enabling said ball to present a different area of its surface to said valve seat at each seating action.

2,042,217

HEATING SYSTEM AND CONTROL MEANS THEREFOR

Lewis W. Eggleston, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application February 20, 1934, Serial No. 712,117
18 Claims. (Cl. 236—11)



5. A heating system comprising a hot air heating furnace for heating air to be supplied to a room or enclosure, a duct outlet leading from the furnace bonnet, a damper in said duct, said damper having an arm, a switch operable by said arm,

an electrically energized operating means for actuating said arm, switch means responsive to room temperature for closing the circuit of said operating means, and means controlled by said switch for regulating the rate of combustion in said furnace.

10. A device of the character described, comprising a supporting member, motor means carried by said member, a rocker member fulcrumed on said member, a thrust member operatively connecting said motor means to said rocker member, a lever having a fulcrum support, cooperable abutment means on said rocker member and said lever, and a spring having its opposite ends acting on said lever and said rocker member to hold said abutment means in engagement and whereby said rocker member and said lever are relatively movable.

2,042,218

RECOVERY OF ORGANIC ACID ESTERS

Theodore Evans and Karl R. Edlund, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application August 4, 1934, Serial No. 738,542
22 Claims. (Cl. 260—106)

1. In a process of recovering organic carboxylic acid esters from reacted esterification mixtures the steps of selectively extracting catalyst acid therefrom with a solvent medium for said catalyst acid which solvent medium contains an agent in such concentration as is able to effectively prevent the substantial coextraction of any organic carboxylic acid which may be present in said reacted esterification mixtures and substantially recovering the ester content in the substantial absence of catalyst acid.

2,042,219

PREPARATION OF UNSATURATED ETHERS

Herbert P. A. Groll, Oakland, and Clarence J. Ott, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application January 29, 1934. Serial No. 708,928
28 Claims. (Cl. 260—151)

17. A process for the production of unsaturated ethers which comprises effecting, under alkaline conditions in the initial presence of water, the reaction of an unsaturated organic halide comprising an unsaturated alkyl chain containing at least three carbon atoms and at least one halogen atom attached to a saturated carbon atom of said chain, with an organic hydroxy compound.

27. The unsaturated ether of the general formula R—O—R' wherein R represents an unsaturated organic radical comprising an alkyl chain embracing an olefinic linkage and containing at least four carbon atoms one of which is linked to at least three other carbon atoms and one of which is saturated and linked to the ether oxygen atom, and R' represents the radical of an alcohol containing at least three carbon atoms.

2,042,220

CATALYTIC OXIDATION OF UNSATURATED ALCOHOLS

Herbert P. A. Groll, Oakland, and Henry W. de Jong, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application April 18, 1934, Serial No. 721,156
28 Claims. (Cl. 260—138)

1. A process for the oxidation of an unsaturated aliphatic alcohol, other than a tertiary carbinol, to an unsaturated carbonyl compound which comprises reacting said unsaturated aliphatic alcohol with oxygen in the presence of an oxidizing catalyst at a temperature between 360° C. and 550° C.

2,042,221

PRODUCTION OF UNSATURATED ESTERS AND PRODUCTS THEREOF

Herbert P. A. Groll, Oakland, and George Hearne, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application June 5, 1934, Serial No. 729,112
14 Claims. (Cl. 260—106)

1. The process for the production of unsaturated esters which comprises reacting an unsaturated alcohol containing at least one aliphatic unsaturated tertiary carbon atom linked to three other carbon atoms and a carbinol group linked to a saturated carbon atom with a carboxylic acid.

2,042,222

TREATMENT OF UNSATURATED HALIDES

Herbert P. A. Groll and James Burgin, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application June 23, 1934, Serial No. 732,079
20 Claims. (Cl. 260—162)

1. A process for the treatment of unsaturated halides which comprises reacting an unsaturated halide containing at least four carbon atoms and an olefinic linkage between two aliphatic carbon atoms and devoid of conjugated double bonds with a strong mineral-acting oxyacid, said unsaturated halides being devoid of allene structures.

12. A process for the treatment of isobutenyl chloride which comprises reacting isobutenyl chloride with sulphuric acid.

16. The esters of the formula $R_xYH_{(n-x)}$ wherein R represents a chlorinated monovalent radical containing at least four carbon atoms and is linked to the acid radical by a carbon atom which is not attached to more than one hydrogen atom, and Y represents the negative radical of a strong mineral-acting oxyacid having a valence of n, x representing the number of alkyl radicals.

20. A process for the treatment of unsaturated halides which comprises reacting an unsaturated halide possessing an olefinic linkage between two aliphatic carbon atoms and devoid of conjugated double bonds at least one of which is tertiary with a strong mineral-acting oxy-acid and treating the resulting reaction mixture with a compound of the general formula R—OH, wherein R represents hydrogen or an alkyl radical, said unsaturated halides being devoid of allene structures.

2,042,223

REARRANGEMENT OF UNSATURATED HALIDES

Herbert P. A. Groll and James Burgin, Oakland, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application June 23, 1934, Serial No. 732,080
22 Claims. (Cl. 260—162)

1. A process for the conversion of unsaturated organic halides to isomeric halides which com-

prises reacting an unsaturated halide containing an olefinic linkage between two aliphatic carbon atoms at least one of which is devoid of halogen atoms, said compound being devoid of conjugated double bonds and allene structures with a strong mineral oxyacid and effecting the decomposition of the resulting intermediate compound.

15. A process for the conversion of isobutenyl chloride to isocrotyl chloride which comprises reacting isobutenyl chloride with sulphuric acid at a temperature at which substantial conversion of the isobutenyl chloride to isocrotyl chloride occurs.

17. The equilibrium mixture of isobutenyl chloride and isocrotyl chloride obtained by reacting isobutenyl chloride with sulphuric acid and effecting the decomposition of the resulting intermediate compound.

2,042,224

PROCESS OF CONVERTING A POLYHYDRIC ALCOHOL TO A CARBONYL COMPOUND

Herbert P. A. Groll, Oakland, and George Hearne, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application June 27, 1934, Serial No. 732,660
20 Claims. (Cl. 260—138)

1. A process for the production of valuable carbonylic compounds which comprises heating a polyhydric alcohol in the presence of a solution of mineral acid acting catalyst in a mutual solvent for the polyhydric alcohol and the catalyst which is substantially inert under conditions of operation, to a temperature at which conversion to a compound of the class consisting of aldehydes and ketones occurs at a practical rate, and removing the resulting carbonylic compound from the reaction mixture substantially as soon as it is formed therein while substantially avoiding oxidizing conditions of operations.

2,042,225

CONVERSION OF HALOGENATED ALCOHOLS TO CARBONYLIC COMPOUNDS

Herbert P. A. Groll, Oakland, and Carl T. Kautter, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application July 3, 1934, Serial No. 733,634
17 Claims. (Cl. 260—138)

17. A process for the production of an unsaturated carbonylic compound which comprises heating a halogenated alcohol containing three vicinal carbinol groups with water and removing the carbonylic end-product by distillation substantially as soon as formed.

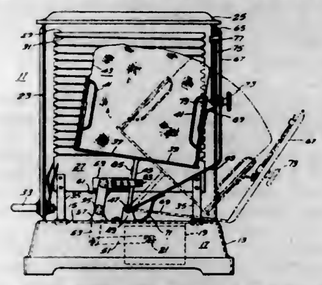
2,042,226

OSCILLATING TOASTER

Clyde C. Harpster, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application July 10, 1934, Serial No. 734,488
7 Claims. (Cl. 53—5)

1. In an electric toaster, in combination with a heating element and a bread slice support in heat-receiving relation to the heating element, a pivotal support for the bread slice support, a power-driven oscillatable element and a yielding



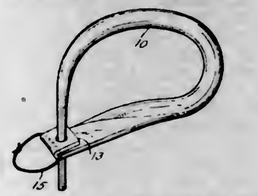
connection between the oscillatable element and the bread slice support.

2,042,227

SAUSAGE CASING AND METHOD OF CLOSING THE SAME

Henry A. Hensel, Milwaukee, Wis.

Application December 7, 1935, Serial No. 53,326
26 Claims. (Cl. 99—175)



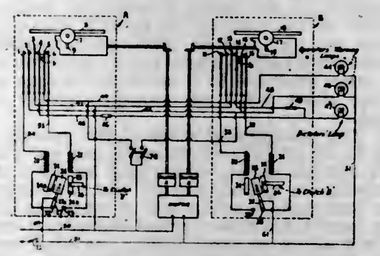
1. A sausage casing having the material thereof knotted upon itself at one end to close the same.

2,042,228

PHONOGRAPHIC APPARATUS

Charles Huenlich, Bloomfield, N. J., assignor to Thomas A. Edison, Incorporated, West Orange, N. J., a corporation of New Jersey

Application December 18, 1931, Serial No. 581,870
Renewed April 4, 1935
21 Claims. (Cl. 274—10)



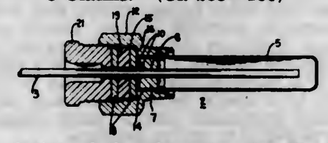
1. In a phonograph system, in combination, a pair of phonographs comprising a stylus movable transversely of a record, means for automatically initiating operation of the other phonograph when either phonograph approaches the end of its record, a dictator's ready signal, and a pair of parallel circuits for causing energization of said signal, each circuit comprising a pair of contacts closed when the stylus is engaged with the record, and a second pair of contacts in series with said first pair and arranged to be opened when the stylus has approached the end of its travel on the record.

2,042,229

DETACHABLE UNION

Ray E. Jones, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan

Application December 13, 1934, Serial No. 757,272
8 Claims. (Cl. 285—166)



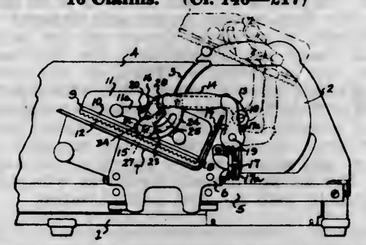
1. A device of the character described, comprising a tubular member, a second tubular member surrounding said first tubular member, a sleeve member receiving said second-named tubular member and having an internal shoulder, packing material surrounding said first-named tubular member and seated on said shoulder, and a compression member extending into said sleeve member and engaging said packing material to seal the bore through the sleeve member and to compress said packing material to hold said tubular members against relative movement, said compression member having a longitudinal slot extending from end to end and to its center whereby the said compression member can be positioned on said first-named tubular member for insertion in said sleeve member.

2,042,230

LOCKING DEVICE FOR SLICING MACHINE CLAMPS

George A. Lensky and Elmer G. Streckfuss, Cincinnati, Ohio, assignors to The Cincinnati Time Recorder Company, Cincinnati, Ohio, a corporation of Ohio

Application March 23, 1934, Serial No. 717,062
16 Claims. (Cl. 146—217)



1. In a combination with a clamp for clamping the material on the carriage of a slicing machine, said clamp comprising at least two relatively movable parts adjacent to each other, one of which carries material engaging means and a third part moving with one of said parts, an element connected to said third part and extending between said two parts, and means for causing said element to be gripped between said two parts during any one of a number of relative positions of the two parts.

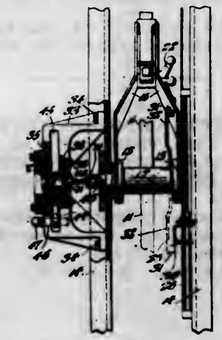
2,042,231

TORSION TESTING MECHANISM

Robert B. Lewis, Philadelphia, Pa., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa., a corporation of Pennsylvania

Application August 16, 1934, Serial No. 740,149
6 Claims. (Cl. 265—13)

6. A torsion test apparatus comprising the combination of a frame, a shaft rotatably mounted on said frame, a holder for one end of a test specimen attached to said shaft for causing said specimen to rotate, a yoke attached to said frame having a bearing coaxially arranged with respect to said shaft, a member rotatably mounted in said bearing and connected to the other end of



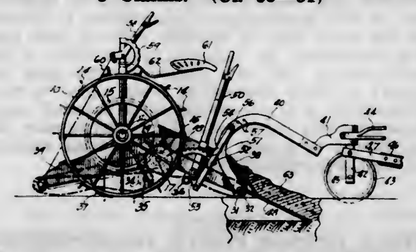
said specimen for rotation with said specimen, an arm projecting from said member, a stop fixed in the path of said arm, and a pendulum attached to said shaft for causing said arm to strike said stop and impart a torque to said specimen while said pendulum is swinging.

2,042,232

DIGGING MACHINE FOR ROOT CROPS

Jesse C. Little, Morgan, Utah

Application January 18, 1935, Serial No. 2,320
3 Claims. (Cl. 55—51)



2. A root digging machine, including in combination, a pair of rotatable traction wheels spaced laterally apart from each other, a digger blade in advance of the traction wheels, a conveyor web extending from the rear of the digger blade to a point below the level, and ahead of, the rotative axis of the traction wheels, and a second conveyor web below the discharge of the first conveyor web, the second conveyor web having its discharge immediately to the rear of the traction wheels and close to the ground.

2,042,233

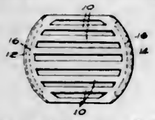
ELECTRIC RANGE

Edwin H. Lockwood, Mansfield, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application February 21, 1934, Serial No. 712,342
2 Claims. (Cl. 219—37)

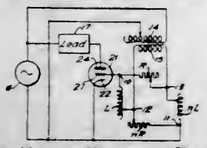
1. An electric range low-voltage heating unit comprising a pair of spaced terminal members, and a plurality of conductors of dissimilar lengths, parallel-positioned in a common horizontal plane, interconnecting said members, the cross-section

of each of said conductors being so related to its



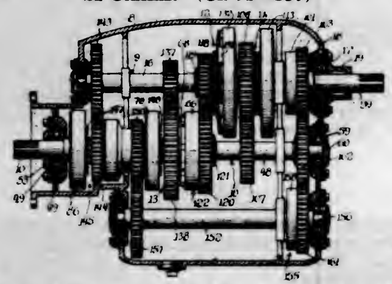
length that the resistance of that conductor is the same as is that of each of the others.

2,042,234
ELECTRIC CONTROL SYSTEM
Frederick W. Lyle, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Original application August 8, 1934, Serial No. 738,983. Divided and this application August 24, 1935, Serial No. 37,710.
1 Claim. (Cl. 250—27)



In combination with an alternating-current source, an electrical discharge device comprising an anode, a control electrode and a cathode, a four-armed network of the bridge type having one pair of diagonally opposite corners energized by alternating current by said source, and its other pair of diagonally opposite corners connected to impress a voltage between said control electrode and said cathode, one pair of opposite arms of said network each comprising a resistor, and the other pair of opposite arms of said network comprising an inductor, the product of the resistances of any two adjacent arms plus the product of their reactances being equal to zero, the quotient of the impedances of pairs of opposite arms being the same, and means to vary the impedances of a pair of opposite arms without varying the quotient of their impedances.

2,042,235
SPEED CHANGE POWER TRANSMISSION
John Misiak, Jr., Chicago, Ill., assignor of one-third to Lloyd Z. Peck, Chicago, Ill.
Application December 29, 1933, Serial No. 704,397
21 Claims. (Cl. 74—337)



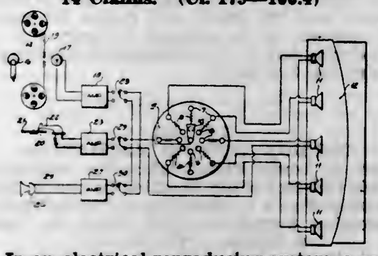
2. An automatic adjustable-speed gear transmission comprising, in combination, two axially aligned drive shaft sections coupled together for joint rotation, two axially aligned driven shaft sections coupled together for joint rotation, a relatively low speed gear connection between one of said drive sections and one of said driven sections, an automatic clutch in said connection and adapted to close in response to a spring pressure and having an actuator operable by the other driven section to open said clutch against the spring pressure in response to a drive from the other driven section, and a higher speed gear connection between the other of said drive sections and said other driven section and including an automatic overload release clutch and an automatic clutch in series, said overload clutch being adapted to open in response to a torque in excess of a predetermined value and to close in response to a torque below said value, said last mentioned automatic clutch being adapted to close in response to spring pressure.

2,042,236
INSECT TRAP
Otis B. Moye, Soperton, Ga.
Application July 3, 1935, Serial No. 29,718
2 Claims. (Cl. 43—119)



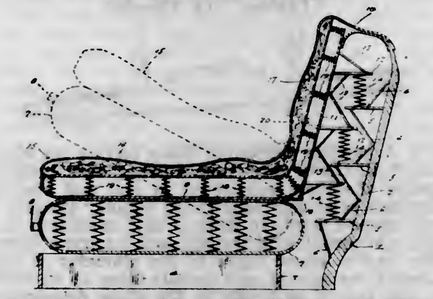
1. An insect trap for closures of the type including a frame and a screen mounted on said frame, comprising a frame adapted to be inserted in the first-named frame and engaged with the screen, a marginal flange on the second-named frame engageable with the first-named frame, and a screen mounted on the second-named frame and, in conjunction with the first-named screen, providing a chamber for the reception of insects, the second-named screen having an entrance opening therein, the marginal portions of said second-named screen projecting beyond the second-named frame in overlapping engagement with the first-named frame.

2,042,237
TRAVEL SOUND SOURCE
Alexander McLean Nicolson, New York, N. Y., assignor to Communication Patents, Inc., New York, N. Y., a corporation of Delaware
Application October 17, 1931, Serial No. 569,427
14 Claims. (Cl. 179—100.4)



1. In an electrical reproducing system, a source of sound currents, a plurality of reproducing devices for transforming said electrical currents into sound waves, and means for selectively connecting certain of said reproducing devices to said source of sound waves in a predetermined order, said means including a moving electrical discharge device.

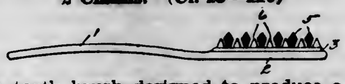
2,042,238
SEAT
Isa Elias Otto, Fairport Harbor, Ohio
Application December 5, 1935, Serial No. 53,062
2 Claims. (Cl. 155—53)



1. A seat comprising a stationary supporting structure including a back portion, brackets mounted on said back portion, a base yieldingly mounted on the supporting structure, a panel hingedly mounted on the base and extending therefrom in spaced, opposed relation to the back portion of the supporting structure, brackets extending from the panel in spaced, opposed relation to the first named brackets, coil springs mounted between the first and second named brackets for yieldingly supporting the panel on the back portion of the supporting structure, and a pad including a seat portion yieldingly mounted on the base and a back portion yieldingly

---

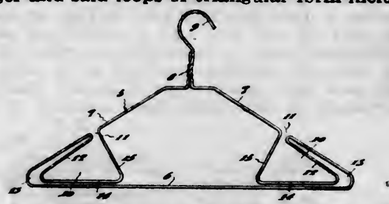
2,042,239
TOOTH BRUSH
Andrew J. Planding, New York, N. Y.
Application January 18, 1934, Serial No. 707,158
2 Claims. (Cl. 15—110)



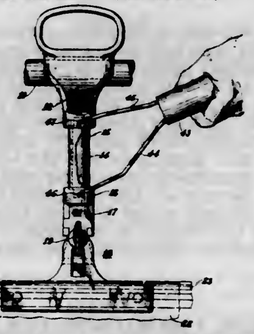
1. A tooth brush designed to produce a combined brushing and squeegee effect, comprising alternate rows of bristle tufts and rubber members, the bristle tufts rising above the rubber members to lightly engage the teeth and cleanse between the spaces thereof before said teeth are engaged by the rubber members, and said tufts being beveled above said rubber members to a point, said rubber members being wedge shaped in vertical cross section, and the bristle tufts being flared outwardly from their bases to the tops of the rubber members in conformity with the shape of the inter-proximal spaces between the rubber members.

2,042,240
GARMENT HANGER
Frederic S. Shaffer, Cincinnati, Ohio
Application March 2, 1932, Serial No. 596,293
4 Claims. (Cl. 223—88)

1. A garment support formed of wire bent into a triangular form and including a hook at its upper end, said form providing inclined shoulder supporting bars and a lower cross support bar, the portions of wire forming the inclined support bars being bent to form depending loops of triangular form, the base portions of which provide lower cross bars disposed parallel with and spaced apart from the lower cross bar of the hanger and said loops of triangular form including entry slots at their apexes whereby the shoulder straps of garments may be inserted through the slots and supported on the lower cross bars of the loops and trousers may be interposed between the lower cross bars of the loops and the lower cross bar of the hanger form.



2,042,241
SUPPORT
Lawrence C. Turnock, Cleveland Heights, Ohio
Application December 15, 1933, Serial No. 702,566
13 Claims. (Cl. 204—5)

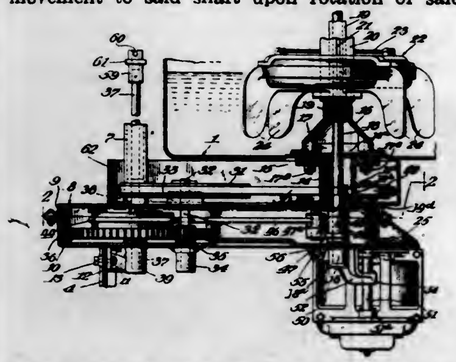


1. An article support adapted to be utilized in connection with an electrical meter for reading the electrical condition of the supported article by measuring the potential difference between two portions of the support comprising, in combination, a portion through which the current passes, means connected to the current carrying portion for holding the article that is to be supported, said current carrying portion having a part which has a smaller cross-sectional area and a higher current density than the holding means and another part being provided with two spaced portions that may be connected in circuit relation with the meter for measuring the potential difference therebetween, and thus the electrical condition of the supported article, and means for protecting the current carrying portion.

2,042,242
WASHING MACHINE
Walter K. Voss, Davenport, Iowa
Application May 25, 1931, Serial No. 539,751
2 Claims. (Cl. 74—75)

1. In a washing machine including a tub and a plurality of supporting legs; a simplified compact power transmission mechanism embodying in combination an elongated flattened gear

housing in a plane below the tub, supported at one end by said tub and at the other end by one of said legs; a rotary dolly shaft extending downwardly from said tub into said gear housing and having laterally projecting rigid means on the part within said housing engageable for rotating said shaft; means within said housing including a large rotatable gear having an eccentric boss on one face and a connecting rod of substantial length in operative engagement at one end with said eccentric boss and at its other end with said rigid means so as to impart rotational movement to said shaft upon rotation of said



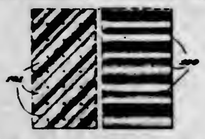
gear; a wringer drive shaft arranged coaxially and rigidly with said large gear whereby the shaft is continuously rotated upon rotation of the gear; a motor adjustably mounted on said gear housing on a vertical axis and having a drive shaft extending upwardly toward the bottom of said tub, a friction pulley and belt drive in a plane between said large gear and the bottom of said tub and operatively connecting said motor shaft and said large gear; and means for adjusting the position of said motor relative to said housing to adjust the tension of said belt in order to insure a uniform transmission of power.

2,042,243

METHOD AND MACHINE FOR MAKING DIAGONALLY CORRUGATED BOARD

Edgar Watson, Towson, Md., assignor, by mesne assignments, to The Nelson Corporation, Baltimore, Md., a corporation of Maryland

Application September 19, 1931, Serial No. 563,860
11 Claims. (Cl. 154—30)



1. The method of making a diagonally corrugated sheet material, which comprises narrowing a sheet by forming a plurality of corrugations therein, and thereafter re-forming the sheet by alternately sustaining and depressing each said corrugation at successive points along its length whereby to produce a diagonally corrugated sheet material having an equal number of corrugations on any transverse line to the number of corrugations on any transverse line in said narrowed sheet.

4. A machine for making diagonally corrugated sheet material, comprising a mechanism to form corrugations in the sheet parallel to an edge thereof, a link belt comprising a plurality of links having aligned diagonally extending alternate ribs and grooves, and a helically fluted roll intermeshing with said links.

2,042,244

GASEOUS ELECTRIC DISCHARGE LAMP

Wilford J. Winninghoff, South Orange, N. J., assignor to General Electric Vapor Lamp Company, Hoboken, N. J., a corporation of New Jersey

Application February 19, 1932, Serial No. 594,115
2 Claims. (Cl. 176—42)



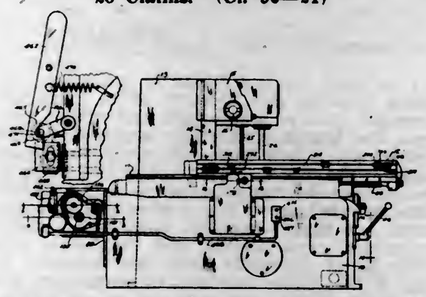
1. A gaseous discharge lamp having an elongated luminous arc tube having two bulbous anode chambers connected to one end thereof through relatively constricted tubular throats, a cup shaped anode in each of said chambers facing said throat, said throats each having a diameter and a length equal to the diameter of said anodes, the axes of said throats being at an angle to the axis of said tube in the plane determined by said axis and a horizontal line which is perpendicular thereto, a cathode bulb at the opposite end of said tube having a well extending from the bottom thereof, a pool of mercury in said cathode bulb, an inlead sealed through the top of said cathode bulb and extending downwardly into said well, said inlead being enclosed within an insulating sheath to a point below the level of said mercury, and a conducting sheath on the outside of said cathode bulb in electrostatic relation to said pool.

2,042,245

MILLING MACHINE TRANSMISSION AND ELECTRIC CONTROL THEREFOR

Walter D. Archea, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio

Application January 2, 1935, Serial No. 124
28 Claims. (Cl. 90—21)



1. In a milling machine the combination of a bed having side walls, one end wall integral with the side walls, work table supporting guideways formed parallel to and supported by the side walls, a drive shaft for the table extending parallel to the side walls and intermediate said guideways, said shaft projecting through the open end of said bed, a self-contained transmission box supported by the bed in a position to close the open end thereof, and means carried by the transmission box for automatic interconnection with the end of said shaft upon assembly of the transmission box with the bed, said transmission box having a prime mover supported at one end thereof for power actuation of transmission, and a manually operable control lever supported at the other end for manual operation of said transmission.

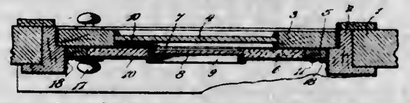
12. In a milling machine having a work support, a tool support, and a transmission for effecting relative movement between the supports, the combination of a shiftable clutch member for varying the effect of said transmission, means for controlling the shifting of said member including a rotatable cam for moving said clutch to any one of three positions, one of said positions operating to stop relative movement between the supports, a source of power, roller clutch means for connecting the cam to said source of power including a sleeve having a plurality of projections thereon, a plurality of pawls movable respectively into the path of said projections, means normally causing engagement of said clutch, electrical solenoids for moving said pawls, one of said pawls serving to stop the cam in a position to neutralize said clutch, and means to continuously energize its operating solenoid during operation of the machine whereby upon failure of the electrical circuit the machine will be stopped.

2,042,246

DOOR

Thomas W. Bailey, Royal, Iowa

Application August 7, 1933, Serial No. 684,071
1 Claim. (Cl. 20—36)



A cold excluding panel for a door comprising a bordering frame, inner and outer facing sheets having their marginal portions secured against said frame with the frame between the facing sheets, opposed sight openings being formed in the facing sheets, a packing of insulating material filling the space between the facing sheets defined by the bordering frame, a transparent sheet between the opposed openings having its margins embedded in the insulation, and a securing frame for the transparent panel having portions overlapping the outer facing sheet about the sight opening thereof and other portions extending through the said sight opening and bearing against the transparent sheet to firmly hold the same in place, means being provided for securing the cold excluding panel flat against the outer face of a door with the sight opening and transparent sheet in opposed relation to a sight opening and transparent sheet of the door.

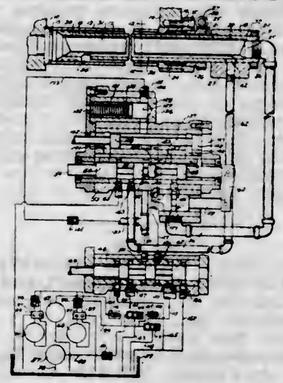
2,042,247

MACHINE TOOL

Louis H. Blood, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio

Application September 8, 1933, Serial No. 688,637
10 Claims. (Cl. 60—52)

1. In a machine tool having a work support and a tool support the combination of means for effecting relative movement therebetween at a plurality of feed rates or at a rapid traverse rate including a piston and cylinder, said piston having differential pressure areas on opposite sides thereof, a constant displacement pump alternately connectible to opposite ends of the cylinder for effecting feeding movement or quick traverse movement between the supports and a plurality of pumps automatically connectible with said constant displacement pump when effecting a feed movement to increase or decrease the flow thereof to provide



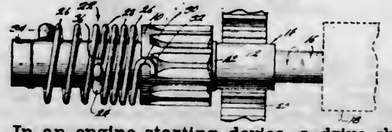
additional rates of feed movement between the supports, and automatically disconnectible from said constant displacement pump when effecting a quick traverse movement whereby said quick traverse movement will always be effected at the same rate.

2,042,248

ENGINE STARTER

James A. Charter and Thomas Spacie, Chicago, Ill., assignors to Charter Drive, Inc., Chicago, Ill., a corporation of Illinois

Application February 23, 1932, Serial No. 594,484
14 Claims. (Cl. 74—9)



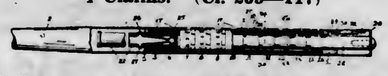
1. In an engine starting device, a drive shaft unit, an engine driving member on said unit for both longitudinal and rotary movement, said member being adapted in one shifted position to operatively engage an engine part to be driven, a coiled spring structure on said unit connected at one extremity with the engine driving member, a section of the convolutions of said spring structure being positioned closer together than the remaining section thereof, and means rotatable with the unit and positioned between the convolutions of said spring structure for controlling the longitudinal shifting of said spring structure and engine driving member.

2,042,249

COUNTER

Allan Constantine, Warsaw, N. Y.

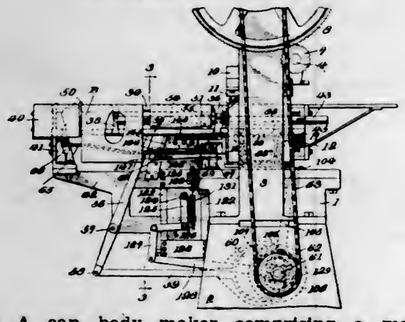
Application May 16, 1932, Serial No. 611,556
4 Claims. (Cl. 235—117)



1. In a counter mechanism for golf club handles the combination of a hollow shaft and a hollow handle, concentric bearing means within the hollow handle, an operating member mounted to rotate and slide within said bearing means and extend from the outer end of the handle into the hollow shaft, a series of counter wheels mounted to rotate within said handle concentric

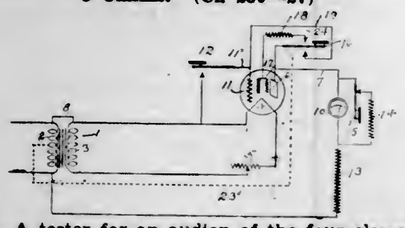
to said operating member and spaced therefrom, flanges separating consecutive counter wheels and encircling said operating member, an inwardly projecting member carried by each of said counter wheels and a spring pressed member carried by said operating member and adapted to yield on the longitudinal movement of said operating member to consecutively and automatically engage behind each of said flanges on the endwise movement of said operating member in a uniformly held radial position thereof and adapted to engage the inwardly projecting members of said counter wheels on the rotating movement of said operating member, said hollow handle having a sight opening for each of said counter wheels.

2,042,250
CAN BODY MAKING MACHINE
Joseph J. Engelman, John Henchert, and Greeley Baker, Chicago, Ill., assignors to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application September 29, 1933, Serial No. 691,542
14 Claims. (Cl. 113—8)



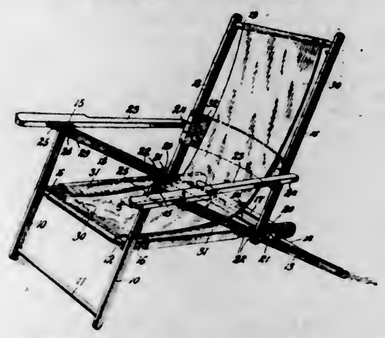
1. A can body maker comprising a main punch, a main anvil, a mandrel disposed between the anvil and punch and having an auxiliary anvil positioned to cooperate with said main punch and an auxiliary punch positioned to cooperate with said main anvil, means for automatically feeding a pair of can body blanks on to one end of said mandrel for the bumping of the side seams and off the other end thereof after said seams are bumped, gauge fingers against which the edges of the blanks are placed for alining said edges, means for expanding the mandrel, means for reciprocating the main punch, and means for moving the mandrel with the main punch for simultaneously bumping the side seams joining the blanks.

2,042,251
AUDION TESTER
Edmund T. Flewelling, Dayton, Ohio, assignor to Frank L. Walker, Dayton, Ohio
Application October 25, 1929, Serial No. 402,496
8 Claims. (Cl. 250—27)



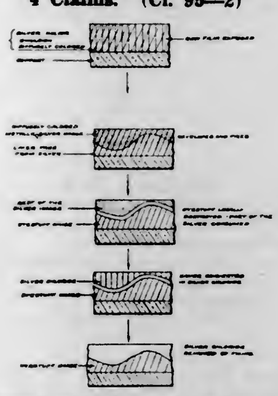
1. A tester for an audion of the four-element type including electrical circuits for energizing the filament and plate elements of the audion from a source of alternating current supply, a switch for alternately impressing a biasing grid voltage upon the control grid and upon the screen grid of said audion, and a meter in the plate circuit for measuring the volume of rectified current induced under such changes of grid biasing influence.

2,042,252
BEACH CHAIR
Harry A. Freedman, New York, N. Y.
Application April 24, 1935, Serial No. 18,042
10 Claims. (Cl. 155—163)



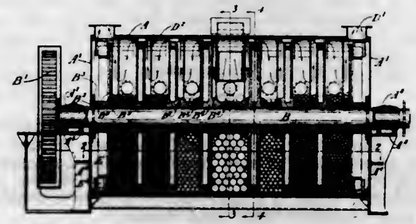
1. A beach or lawn chair comprising connected front and rear leg frames, a seat frame supported jointly by said leg frames, a back frame pivotally mounted on the seat frame, arms pivotally connected with the back frame, foldable and extensible connections between the arms and one of the leg frames, and means preventing said connections from unfolding in one position of the arms, said connections being releasable from said means for unfolding through a forward pull imparted to the arms.

2,042,253
METHOD OF PRODUCING PHOTOGRAPHIC DYESTUFF IMAGES
Béla Gaspar, Brussels, Belgium
Application February 14, 1933, Serial No. 656,763
In Germany February 15, 1932
4 Claims. (Cl. 95—2)



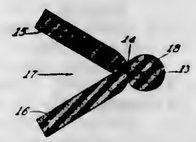
1. A method of producing photographic dyestuff images in photographic layers, which are colored with dyestuffs or contain dyestuff-forming substances in the emulsion, which consists in initially producing by exposure and development an image having an amount of silver in excess of that normally required for the destruction of the dyestuff and subsequently subjecting the image to a dye-destroying bath wherein a part of the silver assists in the destruction of the dyestuff.

2,042,254
PULVERIZER
Manuel Godinez, Chicago, Ill.
Application January 18, 1932, Serial No. 587,253
23 Claims. (Cl. 83—9)



10. In a reduction device, a fixed housing generally circular in cross-section, a rotor mounted for rotation in said housing about an axis extending longitudinally along the housing, and means for rotating the rotor, the rotor including a shaft and a plurality of imperforate discs spaced along said shaft and adapted to divide the interior of the housing into a plurality of reduction chambers, and bodies of crushing media in said chambers, the individual discs defining said chambers being sufficiently close together to cause bridging and jamming, and to exercise a pumping or elevating action upon the media, whereby the particles of the media cascade over the shaft.

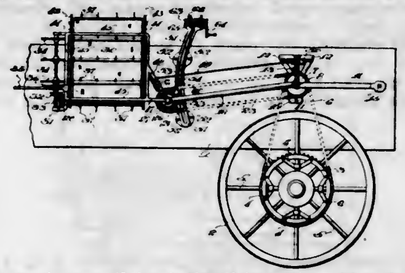
2,042,255
HOLDER AND WIPER
Philip J. Haas, Chicago, Ill.
Application May 25, 1935, Serial No. 23,449
4 Claims. (Cl. 15—210)



1. A holder and wiper comprising a pair of leaves having portions in a flatwise relation, said leaves being of flexible, deformable, resilient material, and fastening means extending through and joining said leaves along a line through said portions in a flatwise relation and compressing the material of the leaves along said line.

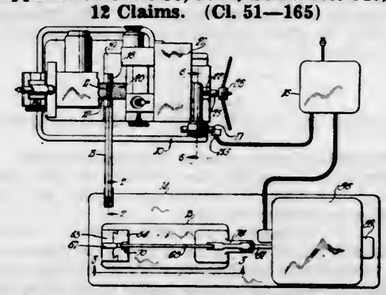
2,042,256
GRAIN CROP HEADER
Thomas W. Hague, Fort Worth, Tex.
Application September 13, 1934, Serial No. 743,794
5 Claims. (Cl. 56—56)

1. A crop feed header including in combination with a wagon box, a shaft journaled in a bearing affixed to the side of said box and extending outwardly therefrom, a rod pivoted to and extending forwardly of said shaft and engaging a second shaft in parallel relationship with said first shaft, a pair of rollers forwardly and at right angles to said second shaft and having an endless belt surrounding the same, one of said rollers being disposed at a higher level than the other, a frame embracing the lowermost of said rollers and having pivotal connection with said second shaft,



means in parallel relationship with said rod and engaging said frame, a cutting blade and a rotary cutting disc, a series of rotary guide members disposed in spaced relationship above said cutting disc, means for imparting rotary motion to said cutting disc and guide members and means for raising and lowering said blade, cutting disc, guide members and endless belt as a unit.

2,042,257
MACHINE TOOL
Robert E. W. Harrison and Cecil W. Hopkins, Cincinnati, Ohio, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application June 30, 1931, Serial No. 547,936
12 Claims. (Cl. 51—165)

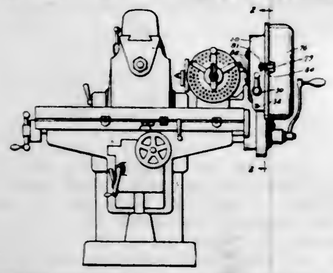


2. In a machine tool organization the combination of a work support, a tool, means for effecting a relative feeding movement between the work and tool, and light operated means operable by an oversized work piece for energizing the feeding means.

2,042,258
UNIVERSAL DIVIDING HEAD QUADRANT
Herman R. Isler, Norwood, Ohio, assignor to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application May 12, 1932, Serial No. 610,778
4 Claims. (Cl. 90—20)

1. In a quadrant for power coupling the rotatable driver of a spiral milling attachment carried by a milling machine table to the actuating screw for the table, the combination of mechanism for imparting one revolution to the attachment during a predetermined travel of the table by its actuating screw irrespective of the pitch thereof, comprising a drive shaft, a rate changer and an attachment serially connected in the or-

der recited, one revolution of said drive shaft corresponding to the travel imparted by one revolution of a lead screw having a predetermined pitch, a compensator for coupling different pitched lead screws to the shaft in ratios inverse to the ratio of the standard pitched lead screw to the other lead screws, said compensator comprising a rotatable plate, an eccentric stud shaft carried by the plate, means to angularly position the plate to vary the location of said stud shaft, different ratio gears applicable to the stud shaft for coupling any pitch of lead screw to the drive shaft to yield a common rate



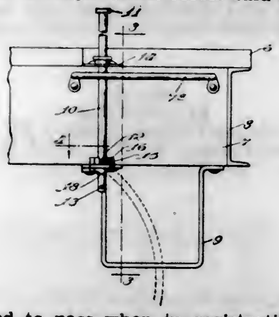
of travel in the table for each revolution of the attachment, a reverser interposed between the compensator and drive shaft for determining the direction of rotation of the attachment, said reverser comprising an auxiliary shaft having spaced gears fixed thereto, one of which is constantly coupled with the compensator, a slidable gear couplet, means to shift selectively one gear of said couplet into operative engagement with the compensator for effecting one direction of rotation of the attachment, or the other gear of the couplet into engagement with the remaining fixed gear to effect rotation of the attachment in the opposite direction.

2,042,259
METHOD OF PURIFYING AMINOARSENOBENZENES
Stanislaw Kielbasinski, Warsaw, Poland
No Drawing. Application February 16, 1932, Serial No. 593,421. Renewed April 13, 1936. In Germany May 19, 1931
5 Claims. (Cl. 260—15)

5. A method of purifying aminoarsenobenzenes from toxic by-products, consisting in suspending the impure aminoarsenobenzene in a lower aliphatic alcohol in the presence of a strong mineral acid, neutralizing the mixture by cautious addition of alkali whereby a pseudo-solution of the aminoarsenobenzene is produced, and separating off the undissolved toxic by-products.

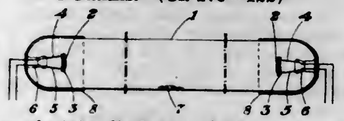
2,042,260
FLATCAR
Augustus F. Kiasing, Chicago, Ill.
Application April 29, 1935, Serial No. 18,948
2 Claims. (Cl. 105—461)

1. In a flat car, the combination with its deck and step, of guide means comprising a member located adjacent said step and having an upwardly extending opening, and a grab iron slidable up and down in the opening in said member into and out of a position in which it projects above said deck into operative position and rotatable in said member, and means for releasably holding said grab iron in raised position comprising a projection on said grab iron and an upwardly opening notch in said member adapted to receive said projection in the raised position of said grab iron, said member containing a lateral recess communicating with said opening and disposed in a different position angularly about the axis of said member than said notch and through which recess said projection



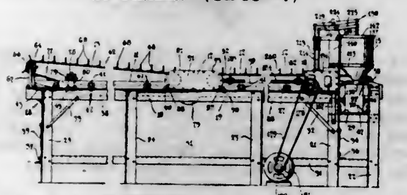
is adapted to pass when in registration therewith, the underside of said member having a cam engageable by said projection for automatically rotating said grab iron, in the raising of the latter, toward a position in which said projection registers with said recess.

2,042,261
GASEOUS ELECTRIC DISCHARGE DEVICE
Hermann Krefft, Berlin-Schmargendorf, Germany, assignor to General Electric Company, a corporation of New York
Application November 3, 1932, Serial No. 641,053
In Germany November 6, 1931
3 Claims. (Cl. 176—122)



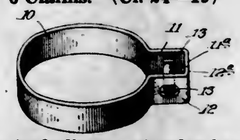
1. An electric discharge device comprising a container, thermionic electrodes sealed therein, a gaseous atmosphere therein, said gaseous atmosphere comprising a mixture of rare gas, caesium and rubidium vapor.

2,042,262
DISTRIBUTING DEVICE FOR DOUGHNUT MACHINES
Alexander S. T. Lagaard, Minneapolis, Minn.
Application April 29, 1933, Serial No. 668,507
25 Claims. (Cl. 53—7)



1. In a doughnut machine, an elongated receptacle for a cooking liquid, a longitudinally extending conveyor adapted to progress the doughnuts in column formation along said receptacle, a doughnut former adapted to discharge at a fixed locality, and a transverse conveyor movable independently of the flow of the cooking liquid for conveying doughnuts from said former to positions adapted to bring the doughnuts into column formation with respect to said longitudinal conveyor.

2,042,263
CLAMP
Tennis J. La Valley, Michigan City, Ind., assignor to Steelcraft, Inc., Michigan City, Ind., a corporation of Indiana
Application June 24, 1935, Serial No. 28,178
6 Claims. (Cl. 24—19)



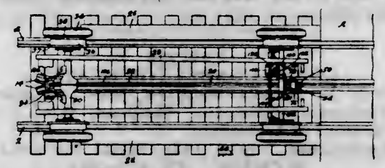
1. A clamp, including: a circular band; radially extending lugs on the ends of the band; a foot on the end of each lug, said feet adapted to engage each other, the band having sufficient resiliency to permit the foot on one lug to engage the other lug; and means for drawing the lugs together.

2,042,264
HOT AIR GUN
Alexander F. Levenhagen, Wausau, Wis.
Application February 12, 1935, Serial No. 6,263
9 Claims. (Cl. 219—39)



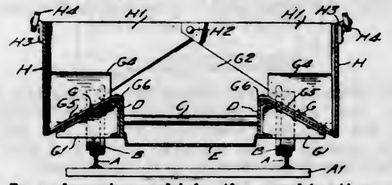
1. A hot air gun comprising a cylinder defining a heating chamber and having an inlet in its rear portion and an outlet at its front, a cylindrical jacket surrounding said cylinder in spaced relation thereto and defining an outer chamber, a heating unit mounted in the heating chamber between the inlet and front end thereof, and an air inlet tube extending longitudinally in the outer chamber and having its rear portion adapted for connection with the supply pipe and its forward end terminating adjacent but in spaced relation to the front end of the outer chamber whereby air will be delivered through the tube into the forward end portion of the outer chamber in spaced relation to the inlet of the heating chamber longitudinally of the outer chamber and be preheated as it moves rearwardly through the outer chamber to the inlet of the heating chamber.

2,042,265
TRANSPORTATION SYSTEM
David W. Main, Oklahoma City, Okla., assignor to Transportation Systems, Inc., Oklahoma City, Okla., a corporation of Oklahoma
Application May 9, 1931, Serial No. 536,207
20 Claims. (Cl. 105—215)



1. In a system of the character described, a vehicle adapted to traverse a highway or a railway, guide means adapted to be installed on the railway, a pair of arms carried by said vehicle, a sleeve, means for drawing said arms into frictional engagement with said sleeve, and a guide pin mounted in said sleeve and adapted to cooperate with the guide means on the railway in guiding the vehicle.

2,042,266
MINE CAR
Perry S. McCallen, Knoxville, Tenn., assignor to Hugh W. Sanford, Knoxville, Tenn.
Application August 12, 1931, Serial No. 556,670
28 Claims. (Cl. 105—253)



1. In a dumping vehicle, the combination of a central discharge door discharging entirely between the wheel gauge lines of the vehicle, said central discharge door being hinged about a transverse axis and being arranged for automatic closing by movement of the vehicle with reference to roadway means, means for discharging laterally outside of the wheel gauge lines of the vehicle, and means for causing approximately simultaneous discharge from said door and means.

2,042,267
AUTOMOBILE LICENSE PLATE LOCKING DEVICE
Frederick L. McCulloch, Tampa, Fla.
Application August 30, 1935, Serial No. 38,627
2 Claims. (Cl. 40—125)

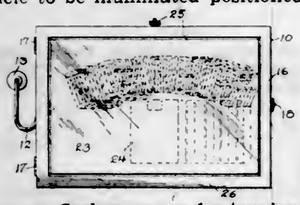


1. In combination with a license plate having an opening therein and a support having an opening therein, a nut non-rotatively associated with said support, a screw having a threaded shank passing through the openings in said plate and support and treaded into said nut, said screw also having a head overlying the license plate with inclined ratchet faces and shoulders on the inner face of said head, a protective plate extending over a large area of the license plate about the screw having a large opening to receive the screw head, and a split spring washer having its ends out-turned in opposite directions seated substantially within the opening in said protective plate and having one end extending therethrough and engaging against a wall of the opening in said support and the other end engaging a shoulder of the screw head, a cut fragment of the license plate on rotation adapted to engage and cam the washer end out from engagement with the support.

2,042,268
ADVERTISING SIGN
Gonzalo Michaus, Miami, Fla.
Application February 26, 1935, Serial No. 8,354
6 Claims. (Cl. 40—132)

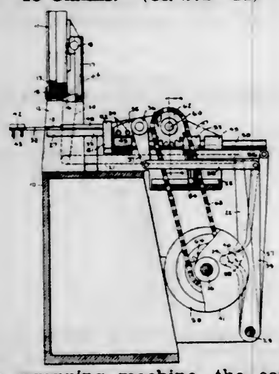
6. In an advertising sign of the character described, in combination, a casing having a mirrored rear visible surface, a light surrounding said

mirror, a second mirror spaced from the first mirror and constituting the front of the casing, said second mirror being translucent when illuminated by the light thereby to permit a view of the article to be illuminated positioned between



said mirrors, flasher means for turning the light "on" and "off" at intervals, and means for changing the angular relation of one of the mirrors with respect to the other to produce a series of reflections of the article to be advertised.

2,042,269
CIRCULAR FEEDING MECHANISM
Michael J. Milmoe, Glen Ellyn, Ill., assignor to F. B. Redington Co., Chicago, Ill., a corporation of Illinois
Application July 11, 1933, Serial No. 679,877
18 Claims. (Cl. 271—14)



1. In a wrapping machine, the combination with a hopper, for receiving a stack of circulars, a pivoted suction head movable to and from a position closely adjacent the endmost one of the circulars in said stack and having a face thereof which is at an appreciable angle with respect to the adjacent circular when said suction head is adjacent said circular, and suction creating means for creating a suction in said head for drawing the portion of said circular which is opposed to said face against said face, whereby air may enter between the edges of the circular to be withdrawn and the next adjacent circular.

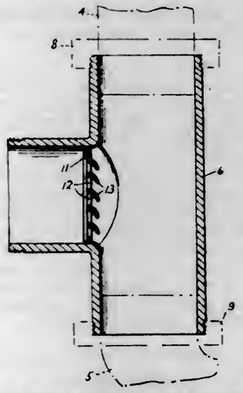
2,042,270
TOY PARACHUTE DEVICE
Fred V. Moore and Albin B. Johnson, Harvey, Ill., assignors of one-half to Neil A. Kingston
Application June 23, 1933, Serial No. 677,211
10 Claims. (Cl. 46—86)

1. In a device of the character described comprising a hollow body portion, a casing hingedly connected with said body portion, said casing having extending therefrom a plurality of cords extending downwardly of said body portion and passing through an eye or opening in the lower extremity of said body portion, said cords serving as means for hurling the device upwardly and holding the casing closed, a parachute secured to the device and held within the body



portion and the casing and adapted to unfold to support the body portion when the latter opens.

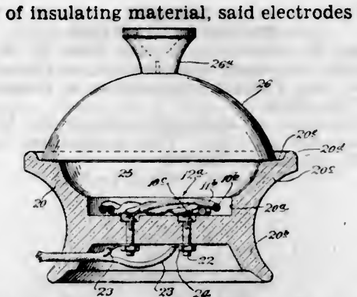
2,042,271
COMBINATION FLUSHING AND VENTILATING PIPE ASSEMBLY FOR WATER CLOSET BOWLS
Thomas H. Moore, Santa Monica, Calif., assignor of one-eighth to Florence Hartley, Santa Monica, Calif.
Application August 3, 1935, Serial No. 34,608
1 Claim. (Cl. 138—37)



As a new article of manufacture, a T-fitting having a substantially flat disk fixed therein at the junction of the stem and head of the fitting; said disk being provided with a series of spaced slots and integral baffle members projecting from one side of the disk and substantially overlying said slots.

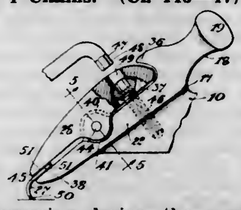
2,042,272
LIQUID CONDUCTOR HEATER
George H. Nelson, Madison, Wis., assignor to Hankscraft Company, Madison, Wis., a corporation of Wisconsin
Application July 5, 1932, Serial No. 620,799
8 Claims. (Cl. 219—40)

2. The combination in a liquid conductor heater, of a vessel adapted to contain a liquid conductor, and a pair of self-sustaining electrodes each having one end mounted in the wall of said vessel and projecting endwise into said vessel, one of said electrodes being provided with a tubular cover of insulating material, said electrodes being



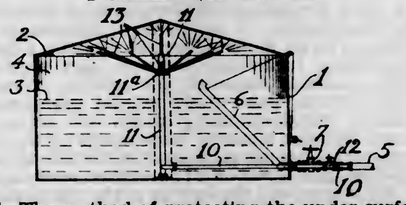
twisted together in helical fashion and spaced apart only by the insulating material thereon.

2,042,273
SCRAPING TOOL
Nathaniel N. Okun, New York, N. Y., assignor to Atlas Floor Surfacing Machinery Corp., New York, N. Y., a corporation of New York
Application December 13, 1933, Serial No. 702,119
4 Claims. (Cl. 145—47)



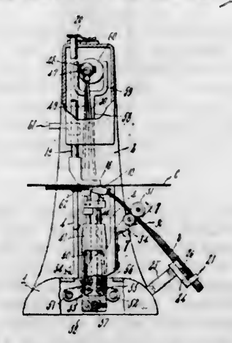
1. In a scraping device, the combination of, a stationary jaw having an integrally connected bifurcated portion defining diverging arms, one arm having an intermediate restricted portion terminating in an externally curved enlargement, another arm of said bifurcated portion extending rearwardly to serve as a handle adapted to be grasped by one hand of the operator and including an arcuate depending terminal lip, said bifurcated portion having a forwardly disposed overhanging portion defining a transversely disposed channel, adjustable means carried by said stationary jaw and a jaw tiltably mounted on the latter cooperating therewith to disconnectably hold a blade interposed therebetween, said adjustable means being independent of said tiltable jaw and cooperating with one end thereof to adjustably set said tiltable jaw against said blade.

2,042,274
METHOD AND APPARATUS FOR PROTECTING OIL STORAGE TANKS
John E. Pollock, Baytown, Tex., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 30, 1933, Serial No. 704,719
4 Claims. (Cl. 220—85)



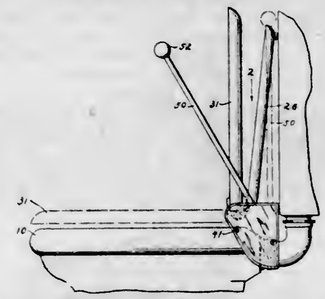
1. The method of protecting the under surface of the roof of an oil storage tank from corrosion, which comprises introducing oil into the tank and by-passing a portion of the incoming oil against the under surface of the roof to form a film of oil upon the surface.

2,042,275
INNERSOLE MAKING MACHINE
Jesse V. Poole, Abington, Mass., assignor to Puritan Manufacturing Company, Boston, Mass., a corporation of Massachusetts
Application October 5, 1934, Serial No. 747,000
15 Claims. (Cl. 12—20)



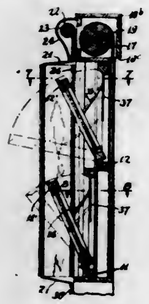
1. A machine for producing innersoles for welt shoes comprising separate guiding elements for the body of an innersole and for strip material adapted to provide the stitch receiving rib of the finished product, and associated feeding and pressing instrumentalities additional to said guiding elements arranged to propel the sole and strip material in unison while applying bonding pressure between contiguous, adhesively coated, surfaces thereof.

2,042,276
CLOSET SEAT OPERATOR
Peter J. Revers, Detroit, Mich.
Application November 2, 1934, Serial No. 751,119
5 Claims. (Cl. 4—251)



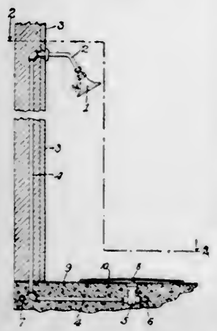
1. In combination with a container having a projecting flange portion and a closure member, an operating device for said closure member comprising a bracket adapted to be secured to said flange portion, a rotatable shaft carried by said bracket, means for fixing the closure member to said shaft, means for rotating said shaft to thereby move said closure member and spring means for counterbalancing at least in part the weight of said closure, said rotating means and said counterbalancing means both being carried by said bracket.

2,042,277
SCREEN HOLDER
Juan Sierra Santiago, San Turce, Puerto Rico
Application June 29, 1934, Serial No. 732,974
3 Claims. (Cl. 156—39)



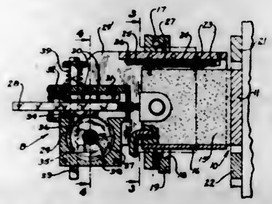
1. A device of the character described, comprising a frame having inner and outer sashes slidably mounted and counter-weighted and having hinged window sections adapted to be hingedly opened, said frame having a vertical slit along each side thereof, plates extendable through said slits, a grooved strip along each side of said frame and mounted on said plates, a roll of screen mounted across the top of said frame, means for limiting extension of said plates, said strips adapted to guide the screen, a cover member for the screen portion adjacent the top of said strips and extending across said tops when the strips are in retracted position, and stationary grooved strips continuing from the bottom of said strips for receiving the edge of the screen when completely extended downwards.

2,042,278
SHOWER BATH APPARATUS
William E. Sloan, Chicago, Ill.
Application July 13, 1934, Serial No. 734,897
7 Claims. (Cl. 4—145)



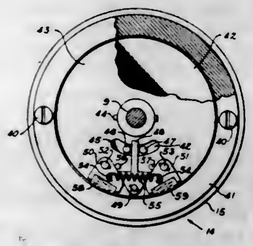
1. A shower bath apparatus comprising a valve which controls the water passing to the shower nozzle, a controlling part for said valve at the point where the valve is located, and a flexible non-metallic mat resting on said controlling part, said mat having a series of separated stiffening members connected therewith, whereby when the user steps on the mat the valve is opened to discharge water from the nozzle.

2,042,279
BRUSH STRUCTURE
George T. Southgate, Forest Hills, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Continuation of application Serial No. 578,136, November 30, 1931. This application June 9, 1934, Serial No. 729,776
14 Claims. (Cl. 171—324)



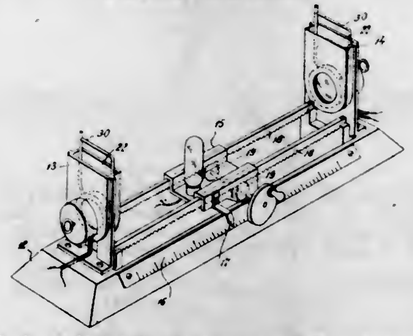
3. Apparatus of the class described comprising the combination of a plurality of commutator sectors arranged in a vertical plane, a rotatable plate arranged in a vertical plane near said commutator sectors, at least one brush holding structure mounted on said rotatable plate and insulated therefrom, said structure comprising a brush having a face plate on the side away from the axis of rotation of said rotatable member, a brush guide, friction reducing members disposed between said face plate and an adjacent wall of said guide, centrifugally operated means for forcing said brush against said sectors during rotation of the rotatable member, and a spring cooperating with said centrifugally operated means for holding said brush against said sectors when the rotatable plate is stationary.

2,042,280
MOVEMENT CHECKING MECHANISM
Lemuel M. Stuart, Brooklyn, N. Y., assignor to Ford Instrument Company, Inc., Long Island City, N. Y., a corporation of New York
Application December 3, 1931, Serial No. 578,839
14 Claims. (Cl. 177—327)



6. In a mechanism of the character described, the combination of an element adapted to be driven, a freely mounted weight element, a braking-surface furnishing element, said elements being coaxially mounted for relative rotation, with freedom from direct mutual engagement, yielding friction-applying means and actuating means therefor mounted respectively on the first and second named elements for normal unitary rotation and for response to variation in the speed of the former and the inertia of the latter to apply a braking effort to said brake-surface-furnishing element.

2,042,281
COMPARATIVE COLORIMETER
Alfred E. Traver, Brooklyn, N. Y., assignor to Socony-Vacuum Company, Incorporated, New York, N. Y., a corporation of New York
Application November 2, 1934, Serial No. 751,129
2 Claims. (Cl. 88—14)



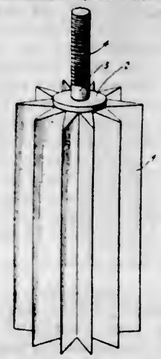
1. In a device for determining light transmissive characteristics of a substance, a support of predetermined length, upon said support a graduated scale, at either end of said support a photoelectric cell, said cells being capable of delivering substantially equal electrical output at substantially equal light intensity, a carriage mounted upon said support and adapted to travel thereon, a light source on said carriage, a pointer on said carriage to indicate on said scale the relative position of the light source between said photoelectric cells, means for positioning a predetermined thickness of a light transmissive reference standard between one cell and the light source, means for positioning a predetermined thickness of substance to be observed before the second cell, means to vary the position of the light source to bring equal intensity of transmitted light to both photoelectric cells, an electrical circuit including said cells, and therein a galvanometer to observe when such intensity is equal, and graduations upon said scale whereby relative light transmissive ability of sample and standard may be read directly by observing the position of the pointer upon the scale.

2,042,282
POCKET
Theodore S. Tworoger, Johnstown, N. Y.
Application March 8, 1935, Serial No. 9,955
1 Claim. (Cl. 2—247)



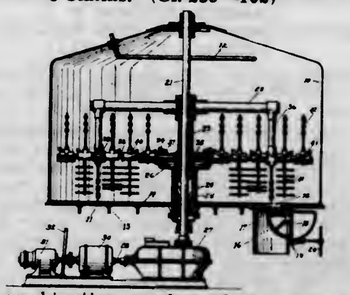
In a pocket construction for garments, a rear layer of material having its top edge attached to the inner face of the garment material, an intermediate layer of material having its sides and bottom coinciding with the sides and bottom of the rear layer and being attached thereto, the top edge of the intermediate layer being below the top edge of the rear layer and forming an opening, a strip of reinforcing material attached to the outer face of said intermediate layer along one side, an outer layer of material attached along its edges to said intermediate layer and strip, said outer layer having a substantially vertical opening therein over said reinforcing strip and two-ply material attached along the edges of said opening.

2,042,283
ELECTROLYTIC CONDENSER
Anton Eduard van Arkel and Hendrik Johannes Meerkamp van Embden, Eindhoven, Netherlands, assignors to Radio Corporation of America, a corporation of Delaware
Application March 22, 1933, Serial No. 662,114
In Germany March 9, 1932
3 Claims. (Cl. 175—315)



1. An electrolytic condenser comprising a metallic container which serves also as one electrode, an insulated cover for said container, a central aperture in said cover, a one piece central electrode having a plurality of corrugated radial fins extending out from the central portion of said electrode, a threaded aperture in said central electrode, an upward extending terminal stud secured in the aperture of said central electrode and passing through the aperture in said cover and mechanically secured thereto.

2,042,284
COMBINATION MASH AND LAUTER TANK
Ellsworth J. Westcott and Albert E. Ruemmele, Chicago, Ill., assignors to Freyn Engineering Company, Chicago, Ill., a corporation of Maine
Application March 19, 1934, Serial No. 716,226
6 Claims. (Cl. 259—102)



1. A combination mash and lauter tank including a plurality of horizontal agitator shafts,

a plurality of members secured to each of said shafts projecting radially therefrom, a drive shaft supporting said agitator shafts for bodily rotation around the drive shaft as an axis and for rotation on their own axis, said members being rotated to agitate liquid contained in said tank, and means holding said agitator shafts against rotation in a certain direction, certain of said members having additional utility when the agitator shafts are held against rotation but are caused to bodily rotate with the drive shaft.

2,042,285

PRODUCTION OF CARBON MONOXIDE AND HYDROGEN FROM METHANE

Ernst Wilke, Heidelberg, and Fritz Fried, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application August 21, 1930, Serial No. 476,945. In Germany September 11, 1929

7 Claims. (Cl. 23—212)

1. A process for the production of hydrogen and carbon monoxide from an essentially normally gaseous substance comprising methane which comprises passing said gaseous substance at a temperature ranging from 600° to 1100° C. in the absence of substantial quantities of added oxidizing gas over a substance comprising such higher oxide of a metal selected from the group consisting of chromium, titanium, tungsten and molybdenum, as is stable to steam at 800° C., said higher oxide thereby being reduced by the action of methane to a lower oxide of said metal.

2,042,286

FASTENER TAPE

Frank E. Wilson, East Cleveland, Ohio, assignor to The Wilson Fastener Company, Cleveland, Ohio, a corporation of Ohio

Application August 26, 1931, Serial No. 559,540

9 Claims. (Cl. 2—265)



1. A fastener tape having two surmounting plies of fabric reinforced at regular intervals, on the inner face of one ply, and snap fastener members carried between the plies at the reinforces, the reinforces extending over one face of the fastener member.

2,042,287

SPRING TOOL

Joseph Allievi, West New York, and Henry Cadorette, Cliffside, N. J.

Application December 12, 1935, Serial No. 54,144

1 Claim. (Cl. 29—87.1)



A tool of the character described comprising a bar having a laterally and rearwardly offset curved portion at one end of the bar and a claw at the extremity of the offset portion disposed at an approximate right angle to the longitudinal axis of the bar, said claw being wider than the bar and having a concave face conforming to the general curvature of a pin or post, said bar having a spur on its rear face adjacent the offset curved portion constituting a stop to limit the movement of a spring hook on the bar.

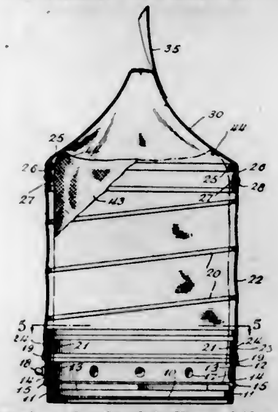
2,042,288

CONTAINER FOR BAKERY PRODUCTS

Irving Bach and Louis Meyers Lipowsky, Brooklyn, N. Y.

Application April 23, 1935, Serial No. 17,778

6 Claims. (Cl. 150—49)



6. A container for foodstuffs and the like, comprising a bottom, an annular bottom frame connected with said bottom and having an annular indented portion provided with openings, an outer rotatable band carried by said indented portion and having openings adapted to coincide with the openings of said indented portion, and a moisture-proof bag-shaped member having cylindrical side walls connected with said bottom frame, the ventilation of the interior of said bag-shaped member being varied by adjusting the position of said band upon said frame.

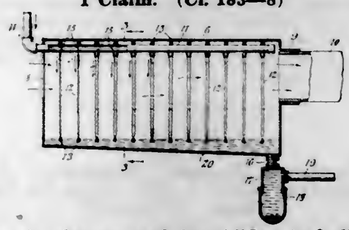
2,042,289

AIR HUMIDIFIER AND CLEANER

Hornsby Sewell Baldwin, Perth Amboy, N. J.

Application June 26, 1935, Serial No. 28,551

1 Claim. (Cl. 183—8)



An air cleaner and humidifier including an elongated casing, a water pipe extending through the upper portion of the casing, disk-like screens in the casing having openings receiving the pipe, certain of said screens constituting two thicknesses of material, and said pipe having outlets directing water between the thicknesses of material.

2,042,290

WALL CONSTRUCTION

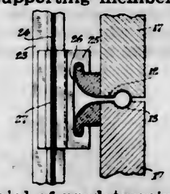
Herbert J. R. Barrett, Laurelton, Long Island, N. Y.

Application June 15, 1935, Serial No. 26,724

17 Claims. (Cl. 72—24)

1. A surface construction comprising, in combination, a series of spaced supporting members, registering recesses in said supporting members, frame members held in said recesses, said frame

members having portions projecting beyond the plane of said supporting members, and units of



surfacing material of predetermined size adapted to be pressed between said projecting portions.

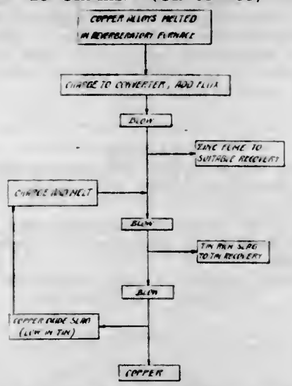
2,042,291

PROCESS FOR REFINING COPPER ALLOYS

Jesse O. Betterton and Albert J. Phillips, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey

Application May 18, 1934, Serial No. 726,294

16 Claims. (Cl. 75—63)



1. The process of refining copper alloy scrap containing zinc and tin, which comprises melting the alloy, blowing the molten alloy with regulated quantities of air to effect a selective volatilization of the zinc, forming a slag containing a major portion of the tin, separating the said slag from the remaining metal, and treating the remaining metal to form a slag containing substantially all of the tin remaining in the metal after separation of the aforesaid slag.

2,042,292

PROCESS FOR REFINING COPPER ALLOYS

Jesse O. Betterton and Albert J. Phillips, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey

No Drawing. Application May 31, 1934, Serial No. 728,307

10 Claims. (Cl. 75—24)

1. The process of refining copper alloys containing zinc and tin for the removal of the zinc and tin therefrom, which comprises melting the alloy, blowing the molten alloy with regulated quantities of air to effect a selective volatilization of the zinc substantially free from tin, continuing to blow the remaining alloy to refine the copper and to produce a slag containing substantially all the tin of the alloy together with relatively large amounts of copper, adding such slag to a subsequent charge of the alloy during refining thereof to produce a concentrated tin slag or tin skim containing smaller amounts of copper than the aforesaid slag, separating the tin skim, smelting the said tin skim to metal, roasting the said metal, leaching the resulting roast, and recovering the metal values from the resulting solution and residue.

2,042,293

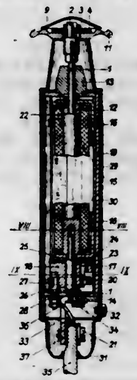
SAFETY RAZOR WITH ROTARY DRIVE

Georg Biniek, Berlin-Charlottenburg, Germany, assignor to Telephon-Apparat-Fabrik E. Zwietusch & Co. G. m. b. H., Charlottenburg, Germany

Application November 3, 1932, Serial No. 640,991

In Germany July 22, 1932

4 Claims. (Cl. 30—45)



1. In a safety razor with reciprocating blade, a reciprocating holder for said blade, said holder provided with a central opening having two parallel inner surfaces extending perpendicularly to the operative path of the blade, a weak current motor in the handle of the razor, said motor having its shaft perpendicular to the plane of the blade, and a triangular cam at the end of said shaft, said cam extending into the central opening of said blade holder and provided with outwardly curved side surfaces adapted to develop a rolling action on the inner surfaces of said central opening to thereby smoothly reciprocate said blade holder without jars, pole pieces and commutator contact segments in said motor, said motor having a division of the pole pieces and contact segments of the commutator corresponding to the number of sides of the triangular cam, said cam surfaces and said motor parts being so positioned relative to each other that movement is imparted to said blade and holder by the cam at the moment of strongest attraction between said pole pieces and said contact segments.

2,042,294

WALKING BEAM FOR WELL PUMPING AND DRILLING MECHANISM

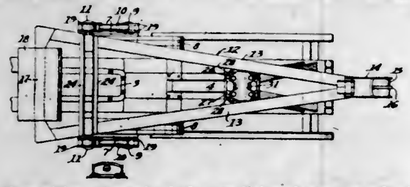
Richard R. Bloss, Columbus, Ohio, assignor to International-Stacey Corporation, Columbus, Ohio, a corporation of Ohio

Application May 8, 1935, Serial No. 20,429

13 Claims. (Cl. 74—41)

1. In well pumping and drilling mechanism, a shaft, means to rotate said shaft, a pair of counter-weighted crank arms on said shaft, a Samson member, a walking beam pivoted thereon, said walking beam possessing a substantially triangular configuration, well operating means connected with the outer end of said beam, studs

rigidly projecting from the sides of the walking beam at positions between the widened end of the latter and said Samson member, a counter-weight



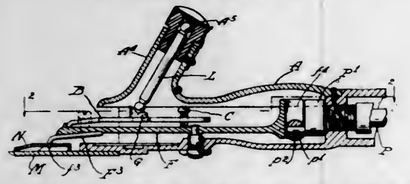
on the widened end of the walking beam, and pitmen connections having their upper ends pivotally secured to said studs and their lower ends pivotally connected with said cranks.

2,042,295

ADAPTER PLATE FOR APPLYING PRESSURE TO FORKS FOR SHEARING MACHINES

Francis G. Bristow, Sydney, New South Wales, Australia

Application July 12, 1935, Serial No. 31,136
In Australia January 24, 1935
5 Claims. (Cl. 30—1)



1. A construction for the purpose indicated comprising in combination a vibrating cutter, a power-operated fulcrumed lever having operative engagement with the cutter for vibrating the latter, a pressure-transmitting plate overlying the lever and having projections from its under side bearing on the lever at points proximate the forward end and the fulcrum of the lever and spacing the plate over the lever intermediate said points of bearing, and means for applying pressure to the pressure-transmitting plate at a point in its length intermediate said projections.

2,042,296

INSECTICIDE

Hyym E. Buc, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application March 12, 1931, Serial No. 522,178
5 Claims. (Cl. 167—24)

1. An insecticidal preparation, comprising a relatively non-volatile petroleum oil, insecticidal material selected from the group consisting of rotenone and rotenoids, and an aryl alkyl ether, the amount of aryl alkyl ether being sufficient to keep the insecticidal material dissolved in the petroleum oil.

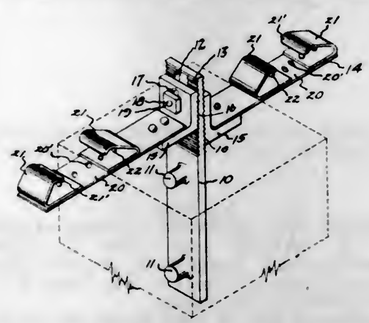
2,042,297

DOOR STOP AND HOLDER

Bedia L. Craighead, San Antonio, Tex., assignor of one-half to Newton W. Jackson, San Antonio, Tex.

Application April 25, 1934, Serial No. 722,331
2 Claims. (Cl. 292—87)

2. A door stop and holder comprising, an upright support, a rigid angular bracket mounted on the support at a point above the base of said support, a single flat spring member having one end secured to the bracket and extending outwardly therefrom, whereby the projecting portion of said member may be sprung downwardly



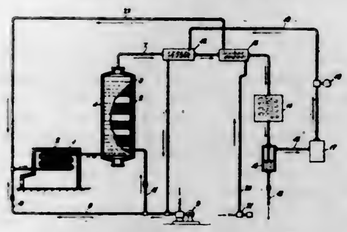
and a pair of clips on the free end of said member, one of said clips having its upper end depressible independently of said member, whereby the degree of depression required of said member is not as great as ordinarily required when a door is swung over the outer clip.

2,042,298

PROCESS FOR THE PURIFICATION AND DESULPHURIZATION OF LOW BOILING DISTILLATES

Garland H. B. Davis, Baton Rouge, La., assignor to Standard-I. G. Company, a corporation of Delaware

Application August 31, 1929, Serial No. 389,680
7 Claims. (Cl. 196—24)



1. An improved process for purification of hydrocarbon oils which comprises rapidly passing an oil containing fractions of a boiling range below kerosene through a reaction zone in contact with a gas rich in free hydrogen under pressure in excess of about 20 atmospheres and at a temperature above about 790° F. but below about 870° F. and adjusting temperature and rate of feed whereby the oil is purified without substantial decomposition.

2,042,299

PAPER MATERIAL CARRYING A RESIN OF PETROLEUM ORIGIN

Carleton Ellis, Montclair, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application September 24, 1931, Serial No. 564,976
10 Claims. (Cl. 154—40)

4. Laminated paper containing at the laminations a substantially odorless and substantially tasteless oil- and asphalt-free gas-oil synthetic hydrocarbon resin; said resin having a softening point between 140–200° F.

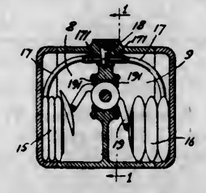
6. The process which comprises applying to paper a slightly alkaline emulsion comprising gas-oil synthetic hydrocarbon resin and pressing together a plurality of sheets so treated, whereby a laminated product results.

2,042,300

PULSATOR FOR MILKING MACHINES

Erik August Forsberg, Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey

Application March 9, 1934, Serial No. 714,749
In Sweden March 18, 1933
13 Claims. (Cl. 31—69)



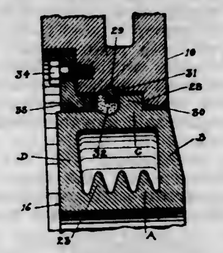
5. A milking machine pulsator comprising means providing air passages adapted to communicate respectively with sources of high and low air pressure, an air chamber, two fluid containers one of which is located within said chamber and is expansible and contractable, a conduit allowing communication at a regulated rate back and forth between said fluid containers, means providing two air pulsation passages adapted for connection with teat cups, valve mechanism operable in one position to connect one pulsation passage with said high pressure air passage and the other pulsation passage with said low pressure air passage and in another position to reverse said connections, and means operable by the container during the expansion and contraction thereof, to operate said valve mechanism.

2,042,301

VALVE SEAT FOR AIR BLAST VALVES

Gordon Fox, Chicago, Ill., assignor to Freyn Engineering Company, Chicago, Ill., a corporation of Maine

Application May 3, 1934, Serial No. 723,722
10 Claims. (Cl. 251—167)



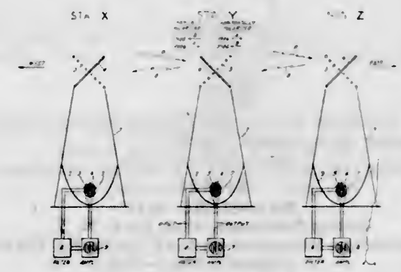
1. In a gate valve, in combination, a casing, a pair of annular seat members vertically positioned in spaced relation within the casing, a disc valve for location between the seat members, each of said members comprising an inner and outer peripheral wall and connecting side walls, whereby a passage is provided for circulating a cooling fluid through the member, and projections on the interior surface of one wall of the member to increase the surface exposed to the cooling fluid.

2,042,302

RADIO RELAYING SYSTEM

Samuel Gibson Frantz and John Quincy Stewart, Princeton, N. J., assignors to Radio Corporation of America, New York, N. Y., a corporation of Delaware

Application January 10, 1935, Serial No. 1,136
13 Claims. (Cl. 250—15)



1. In a directional radio relaying system, a repeating station having, in combination, a reflector in a plane at an angle with respect to the horizontal, another reflector in a plane at an angle with respect to the horizontal and inclined with respect to the first named plane, a paraboloidal reflector facing said two reflectors and arranged to receive radiations received on one of said reflectors and to transmit radiations to the other of said reflectors, and high frequency receiving and transmitting apparatus located in the focus of said paraboloidal reflector.

2,042,303

PRODUCTION OF ALDEHYDES

Per K. Frolich and Peter J. Wiezevich, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application May 29, 1931, Serial No. 541,112
13 Claims. (Cl. 260—138)

1. The process of preparing compounds of the group consisting of aldehydes and halogenated aldehydes, which comprises reacting a hydrocarbon halide with a saturated alkyl aldehyde of lower molecular weight and separating the reaction products.

2,042,304

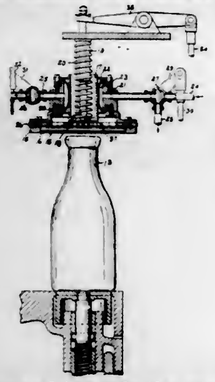
METHOD OF AND APPARATUS FOR APPLYING CLOSURES TO CONTAINERS

Henry F. Glunz, Saratoga Springs, N. Y., assignor of one-half to Robert McMullen, New York, N. Y.

Application October 23, 1933, Serial No. 694,708
6 Claims. (Cl. 226—83)

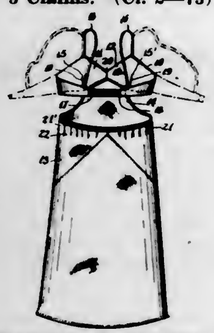
1. The method which consists in clamping the center portion of a sealing cap blank of cellulose acetate material over the open end of a container to be sealed, and preliminarily bending the unclamped portions of the cap blank over the container, and then subjecting the partially applied cap blank to a heated elastic medium to reduce the material of the bent portion to a molding

state and to conform the same to the shape of



the container and to apply the same into sealing relation with respect thereto.

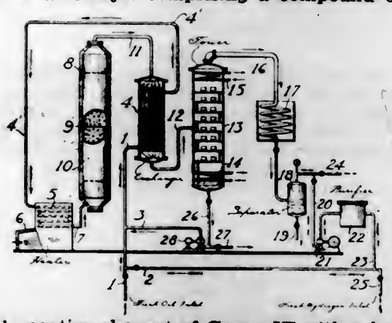
2,042,305
BRASSIÈRE SLIP
Irving Goodman, New York, N. Y.
Application December 18, 1934, Serial No. 758,020
3 Claims. (Cl. 2—73)



3. A combination undergarment, comprising a brassière portion having a band for engaging around the body and having a pair of bust supporting sections and a lower portion extending around the trunks of a wearer and a narrow neck at the front connected with a lower edge of the bust supporting sections within the area between the nipples of the bust to support said lower portion, said lower portion having its top edge at the back equipped with elastic, and said top edge being arranged at an inclination so as to tend to force the narrow neck against the body of a wearer, said narrow neck being removable and having hook fastener elements at the top and bottom edges engageable with complementary hook fastener elements along the bottom edge of the brassière and top edge of said lower portion of the combination garment.

2,042,306
PROCESS FOR THE MANUFACTURE OF HIGHLY UNSATURATED OR AROMATIC DISTILLATES FROM HEAVIER OILS
Robert T. Haslam, Westfield, N. J., assignor to Standard-I. G. Company, a corporation of Delaware
Application May 31, 1930, Serial No. 458,918
15 Claims. (Cl. 196—53)

1. An improved process for obtaining valuable unsaturated hydrocarbons useful for motor fuel, which comprises subjecting heavier refractory distillates with boiling point ranges up to and through the range of gas oil in a reaction zone in vapor phase to the action of free hydrogen at a temperature above 930° F. and under total pressure in excess of 50 atmospheres in the presence of a catalyst comprising a compound of a



solid negative element of Group VI with a heavy metal of Group VI of the periodic system, maintaining the partial pressure of hydrogen about three to five times the partial pressure of the oil, and passing the oil through the reaction zone at a rate in excess of one volume of oil per volume of reaction space per hour.

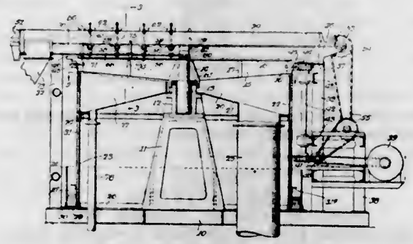
2,042,307
LOOM SHUTTLE STRUCTURE
Walter Hampson, Pawtucket, R. I., assignor to Shambow Shuttle Company, Woonsocket, R. I., a corporation of Rhode Island
Application April 13, 1934, Serial No. 720,412
4 Claims. (Cl. 139—216)



1. In a device of the character described, a thread tension means comprising a fixed plate member having a uniform thread engaging surface and a movable member provided with projecting thread engaging surfaces spaced from each other longitudinally of the direction of travel of the thread for engagement with the thread at spaced points longitudinally of the thread as the thread is passed between said members, spaced means supporting said movable member for bodily movement towards and from said fixed member or limited rocking movement relative thereto in a plane located at substantially right angles with the thread engaging surface of the fixed member and in the direction of the path of travel of the thread, means resiliently engaging said movable member to force the same towards said fixed plate member and into yielding engagement with the thread, and means independent of said spaced supporting means for supporting said resilient means in operative position relative to said movable member.

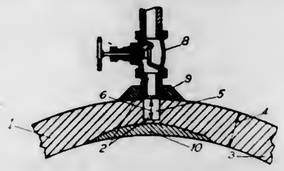
2,042,308
FILTER
Elbert C. Hardy, Manistee, Mich., assignor to Morton Salt Company, Chicago, Ill., a corporation of Illinois
Application September 20, 1934, Serial No. 744,765
7 Claims. (Cl. 210—196)

1. A filter comprising a horizontal rotating filter screen, means for delivering material to be filtered onto the screen, a scraper for removing filter cake pivotally mounted for movement toward and from the screen, adjustable means for holding the scraper in position relatively to the



screen, a screw conveyor to which the filter cake is delivered by the scraper, and a sectional conveyor casing for said conveyor, a section of the conveyor casing being mounted on the scraper.

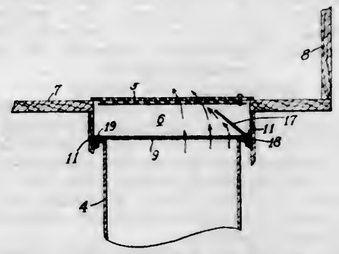
2,042,309
PLUGGED TELLTALE HOLE
Sam Fennelle Henry, Guntersville, Ala.
Application October 26, 1934, Serial No. 750,160
1 Claim. (Cl. 137—77)



A closed unlined pressure vessel of unitary wall construction having an opening therein extending partially through the same from the exterior thereof, means for reinforcing the wall of said vessel at the point adjacent the opening aforementioned, said means comprising a patch with a tapped hole formed therethrough, and welded to said vessel at a point such that the hole through the patch and the opening in the pressure vessel are in substantial alignment, a nipple inserted in said tapped hole and a manually operable valve inserted on said nipple so that when the interior surface of the vessel adjacent the aforementioned reinforcing patch has worn or corroded away to a predetermined extent the pressure in the vessel will cause fluid to escape into the aforementioned opening and thus through said nipple and into said valve, thereby providing means for indicating upon a subsequent opening of said valve the presence of a dangerous condition.

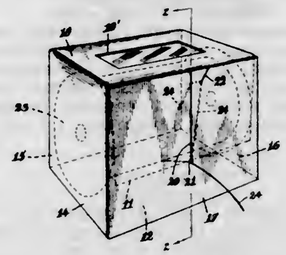
2,042,310
HEAT-DISTRIBUTOR FOR REGISTERS
Frank J. Hilk, Pittsburgh, Pa.
Substitute for application Serial No. 568,015, October 10, 1931. This application October 30, 1935, Serial No. 47,514
7 Claims. (Cl. 98—101)

1. In a hot-air heating system, a room having a floor register, means for providing an outlet-chamber under the register, a hot-air furnace pipe communicating with the bottom of said outlet-chamber, and a separate attachment disposed in said outlet-chamber, between the pipe and the register, and spaced from the latter, said attachment comprising a frame having an inclined solid



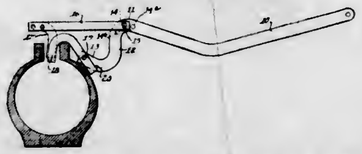
impervious baffle extending upwardly and inwardly from at least one side edge of the frame.

2,042,311
SPOOL BOX
Adolph Hirsch, New York, N. Y.
Application August 20, 1935, Serial No. 36,975
4 Claims. (Cl. 242—138)



1. In a box to contain a reel or ball of yarn, the combination of front, rear, side and bottom walls, a closure member having a front flap, the front wall being provided with a guiding slit extending down from the upper edge thereof, the lower edge of the front flap extending to a point proximate to the end of the guiding slit to clamp upon the loose end of the yarn passing therethrough and hold the same in said slit.

2,042,312
TIRE SPREADER
Samuel A. Huebner, Forest Junction, Wis.
Application October 7, 1932, Serial No. 636,729
4 Claims. (Cl. 152—27)



3. A tire spreader comprising a single supporting and operating lever, a pair of independently movable tire engaging elements pivotally mounted thereon, said elements being insertable into a tire and operable in response to actuation of said lever to spread the tire, and means for maintaining said elements in a predetermined position relative to said lever and to each other so that both elements may be simultaneously entered into tire engaging position solely by manipulation of said lever.

2,042,313
PHENOLIC CONDENSATION PRODUCTS AND METHOD OF MAKING THE SAME
Joseph Hidy James, Pittsburgh, Pa., assignor to Clarence P. Byrnes, trustee, Sewickley, Pa.
No Drawing. Application September 25, 1924, Serial No. 739,924
17 Claims. (Cl. 260—4)

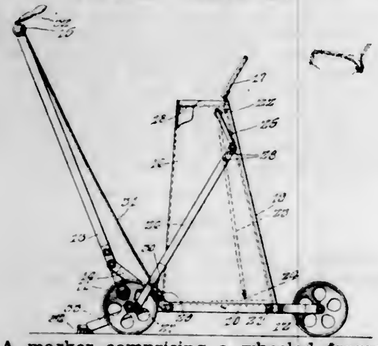
1. In the manufacture of phenolic condensation products, the step consisting of reacting with a phenolic body a liquid mixture of synthetically-formed hydrocarbon derivatives formed by the vapor or gaseous phase partial oxidation of hydrocarbons which are mainly aliphatic and containing bodies of different molecular weights having aldehyde properties.

13. The resinification process which comprises subjecting reactive oxygenated petroleum resin to the action of phenol.

2,042,314
METHOD OF TREATING PARTIAL OXIDATION PRODUCTS
Joseph Hidy James, Pittsburgh, Pa., assignor to Clarence P. Byrnes, Sewickley, Pa., trustee
No Drawing. Application October 13, 1934, Serial No. 748,213
8 Claims. (Cl. 260—156)

8. The process consisting of partially oxidizing hydrocarbon gases at a relatively higher temperature to produce an exit stream containing formaldehyde in the vapor phase, adding hydrogen to said vapor stream and reducing the temperature, and passing said stream over a hydrogenating catalyst.

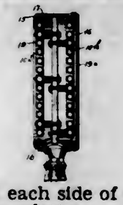
2,042,315
MARKER
Albert J. John, Brookfield, Ill.
Application May 17, 1933, Serial No. 671,499
6 Claims. (Cl. 91—39)



1. A marker comprising a wheeled frame; a reservoir on said frame; means for depositing material from said reservoir in a line on the surface over which the frame travels; a rocker shaft transversing the upper part of said reservoir; an agitator arm arranged centrally on said shaft and adjustable thereon and depending into said reservoir; a transverse agitator bar at the lower end of said arm; and an adjustable operative connection between said shaft and a wheel of said frame.

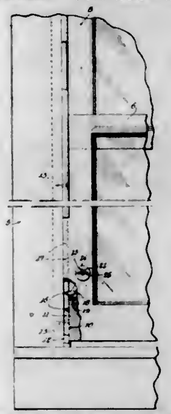
2,042,316
ELECTRIC SIGNAL
Arthur A. Johnson, Bridgeport, Conn.
Application November 7, 1930, Serial No. 494,019
7 Claims. (Cl. 177—329)

7. In combination, a transparent plate, a pair of luminous-gas tubes and means for supporting



one tube by and on each side of said transparent plate in overlapping relation.

2,042,317
SASH FASTENER
John M. Kuebler, Wausau, Wis.
Application January 19, 1935, Serial No. 2,469
1 Claim. (Cl. 292—238)



In a structure of the type described having a fixed window frame provided with latch engaging portions and a sliding sash having a mortise disposed intermediate thereof and a slot extending from said mortise to one side of said sash, the combination of a gravity actuated latch cooperating with the latch engaging portions of said window frame and working in said mortise, a pin mounted in said sash and on which said latch is pivotally mounted, an actuating member secured to said latch and projecting through said slot in said sash, and a metal plate secured to said sash and having a guide slot for said pin alined with said slot in said sash and a part projecting over said pivot pin to retain it in position.

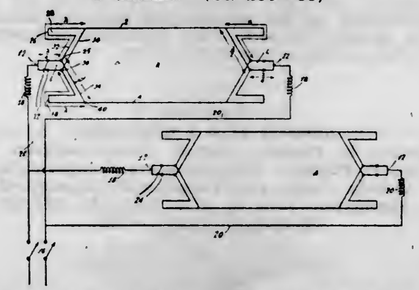
2,042,318
CUTTING DEVICE
Daniel W. Lee, Philadelphia, Pa.
Application August 12, 1935, Serial No. 35,803
3 Claims. (Cl. 164—83)



1. In a cutting device of the character described, in combination, a cutting blade having

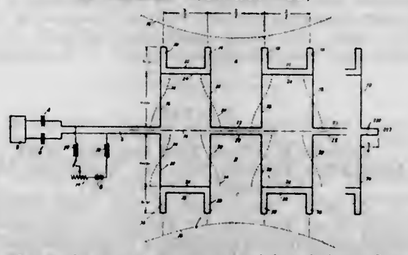
a cutting edge formed of angularly related sections joined together by an intermediate curved section, one of said sections being substantially vertically disposed and adapted to sever a sheet of material when the blade is pushed horizontally forward, means extending forwardly of and formed as an integral part of said cutting blade for maintaining the sheet in cutting relation with respect to said cutting edge during the cutting operation aforesaid, and a holder for the blade including oppositely projecting wings adapted to engage the material being cut upon either side of the cutting line whereby the said material is restrained against buckling or other displacement during the said forward cutting stroke of the blade.

2,042,319
ANTENNA
Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application June 23, 1930, Serial No. 463,024
4 Claims. (Cl. 250—33)



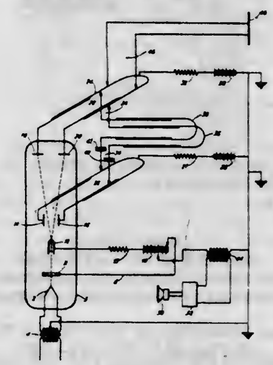
1. An antenna system comprising radiating elements, each element comprising a pair of substantially parallel linear radiators joined together at both ends by connections, each connection comprising a U-shaped loop having its legs connected to the radiators through paths mutually canceling radiation, said paths being a wave length long and one-half wave length long respectively.

2,042,320
ANTENNA
Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application July 1, 1930, Serial No. 465,088
15 Claims. (Cl. 250—33)



1. An end-on antenna comprising internal and external parallel feeder members excited in phase opposition and each being one-half wave length long, radiators serially connected thereto, the internal feeders being adjacent whereby radiation therefrom is minimized and means paralleling each external feeder for neutralizing radiation therefrom, each of said neutralizing means comprising radiationless phase changers and an element similar and adjacent to the feeder connected between the phase changers.

2,042,321
OSCILLATING SYSTEM
Nils E. Lindenblad, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application January 14, 1933, Serial No. 651,810
5 Claims. (Cl. 179—171)

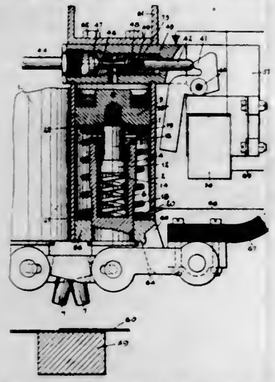


5. In a cathode ray oscillating system, means for producing a stream of electrons, two deflecting electrodes adjacent said stream, an accelerating electrode between said means and said deflecting electrodes, a U-shaped conductor coupling together said two deflecting electrodes, two targets in the path of the deflected electron stream, a U-shaped conductor coupling together said two targets, means for supplying suitable potentials to said U-shaped conductors at voltage nodal points on said conductors, and connections from the legs of one U-shaped conductor to the legs of the other U-shaped conductor for causing continuous oscillatory deflection of said stream, means in circuit with said accelerating electrode for modulating the oscillations produced, a utilization circuit, and a pair of wires extending from said utilization circuit to points on the legs of said second U-shaped conductor which are oppositely disposed with respect to the voltage nodal point on said conductor to which potential is supplied.

2,042,322
WELDING MACHINE
William H. Martin, Detroit, Mich.
Application August 29, 1935, Serial No. 38,340
3 Claims. (Cl. 219—4)

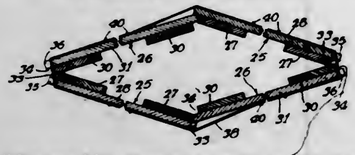
1. In a welding machine, a welder supporting bar, a plurality of welders, each of the welders having a piston and cylinder, each cylinder having an end head secured to the bar, means for connecting the heads with a source of supply of air under pressure, movable valve members located in the heads for controlling the pressure in the cylinders, electro-magnets having armatures for operating the movable valve members, levers pivotally connected to and extending across and protruding from the sides of the cylinders and operated by the pistons, welding points connected to the protruding ends of the levers, a source of supply of electric current, a commutator means for sequentially connecting the said electro-magnets to the source of supply for oper-

ating the valves, means for directing a welding



current through the welding points as they are operated by the welders.

2,042,323
READY BOUND CRATE
John Ekern Ott, Chicago, Ill., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois
Application November 4, 1931, Serial No. 572,905
16 Claims. (Cl. 217—16)

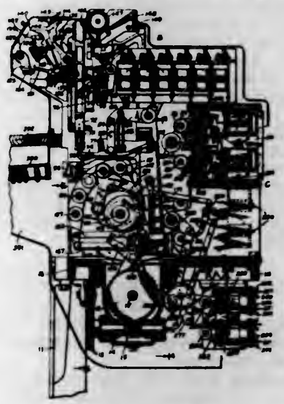


1. The combination in a crate or the like, of a plurality of complementary walls folded upon each other and capable of being unfolded to form an enclosure, each of said walls being formed of horizontal members secured to vertical members which are spaced inwardly from the ends of said horizontal members to form angular recesses at the ends of each wall, and a flexible binder surrounding said walls and adapted to hold the ends of said walls in interfitting relationship with the recesses of adjacent walls when said walls are unfolded.

2,042,324
TABULATOR
John Royden Peirce, New York, N. Y., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application April 7, 1930, Serial No. 442,348
6 Claims. (Cl. 235—92)

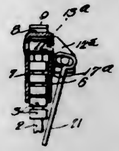
1. In an accounting machine having item entering means, printing means and an accumulator, a type carrier adapted to be positioned in a series of printing positions by said entering means or said accumulator, said type carrier having a further printing position controlled by said accumulator when the latter registers zero during totaling operations of the machine.

5. In a machine of the class described, a plurality of rotary accumulator elements, a plurality of corresponding type carriers adapted to be positioned thereby, total taking mechanism and means controlled thereby for effecting a rotation of the accumulator elements standing at significant figures to position their corresponding type carriers, clutching devices for effecting rotation of said accumulator elements and means



controlled by the accumulator elements standing at zero for preventing clutching movement of the associated clutching devices.

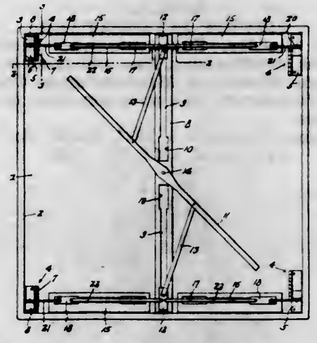
2,042,325
SLIDER FOR FASTENERS
George E. Prentice, Berlin, Conn., assignor to G. E. Prentice Manufacturing Company, New Britain, Conn., a corporation of Connecticut
Application June 26, 1930, Serial No. 463,930
29 Claims. (Cl. 24—205)



28. In a separable fastener of the class described, the combination with flexible stringers carrying spaced interlocking fastener elements, of a fastener operating slider comprising a body portion provided with convergent guide channels for the reception of the opposed series of fastener elements, and an actuating pull comprising a finger-engaging portion and a transverse portion, the opposite ends of said transverse portion constituting alternatively operative slider-locking cams, and pivot means for the pull defining a pivotal axis substantially at the junction of the finger-engaging portion with the transverse portion, said axis being fixed longitudinally of the slider and extending transversely of the latter.

2,042,326
FOLDING TABLE
Charles F. Weed, East Douglas, Mass.
Application January 26, 1935, Serial No. 3,670
3 Claims. (Cl. 311—85)

1. A table comprising a top, legs hingedly mounted on the top for swinging movement to folded or unfolded position, a track mounted beneath the top, said track having longitudinally aligned slots therein, a lever pivotally mounted, at an intermediate point, on the track between the slots, slides operable in the slots, links pivotally connected, at one end, to the slides and at their other ends to the lever on opposite sides of the pivotal mounting of said lever, tracks mounted beneath the table top on opposite sides of the first named track and at right angles thereto, slides operable on the second named tracks, links operatively connecting the second-named slides



to the first-named slides for actuation thereby, and links operatively connecting the legs to the second-named slides for actuation thereby.

2,042,327
TUNNEL LINER
Charles T. Whitescarver, Chicago, Ill., assignor to Anthony C. Fischer, Chicago, Ill.
Application January 18, 1935, Serial No. 2,353
8 Claims. (Cl. 61—45)

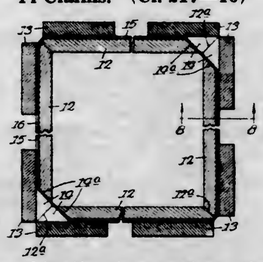
1. A tunnel liner segment comprising a plate and a transverse thrust bar united to the plate, extending across the plate, and provided with means at its ends whereby it may be bolted to contiguous ribs.

2,042,328
VACUUM CLEANER
George W. Allen and Lena B. Allen, Boston, Mass., assignors to B. F. Sturtevant Company, Hyde Park, Mass., a corporation of Massachusetts
Application August 27, 1929, Serial No. 388,729
16 Claims. (Cl. 15—155)



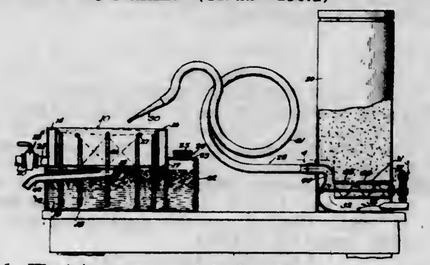
1. A vacuum cleaner nozzle comprising a hollow body portion having a bottom with a flat work-engaging surface and an unobstructed suction mouth therein, the total width of the flat work-engaging surface in the direction of travel of the nozzle exceeding the width of the nozzle slot, thereby to facilitate movement of the nozzle over the surface to be cleaned, the hollow body portion also being provided with air passages having air inlets and air outlets which are adjacent the suction mouth at the front and the rear thereof one wall of each of the air passages being substantially parallel to the surface to be cleaned whereby air is delivered to said surface adjacent the suction mouth.

2,042,329
READY BOUND CRATE
Loyal A. Bigelow, Evanston, Ill., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois
Application December 28, 1932, Serial No. 649,129
14 Claims. (Cl. 217—16)



1. The combination in a crate or the like, of a plurality of complementary walls folded upon each other and adapted to be unfolded in edge to edge contact with each other to form an enclosure, each of said walls comprising inner members and outer members secured together, said inner members being provided with grooves in their outer sides aligning with each other in adjacent walls, and a flexible binder mounted in said grooves.

2,042,330
METHOD OF INVESTING PATTERNS FOR DENTAL PIECES
David N. Bradley, Jr., Joliet, Ill., assignor of one-half to William R. Andrews, Chicago, Ill.
Application May 22, 1933, Serial No. 672,182
3 Claims. (Cl. 22—190.1)



1. That improvement in investing a destructible pattern for an inlay or other dental piece which consists in mounting the pattern on a sprue former, then delivering water in atomized form around the pattern while the latter is on the sprue former and at the same time jetting with air under pressure and from different angles powdered investment material into the water and against the pattern in order completely to coat the latter with the material, then placing the sprue former and coated pattern in a casting ring and finally filling the ring with moist investment material in order to complete the investment of the pattern.

2,042,331
SEPARATION OF META CRESOL FROM META CRESOL-PARA CRESOL MIXTURE
Thomas S. Carswell, Kirkwood, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application November 20, 1933, Serial No. 698,929
10 Claims. (Cl. 260—154)

1. In a method of separating meta cresol from a liquid mixture of meta and para cresols, the

steps which comprise causing meta cresol present in the mixture to combine with phenol and separate as a solid from the mixture and physically separating the solid meta cresol-phenol product from the residual liquid fraction.

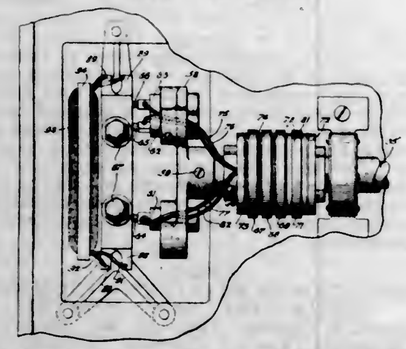
2,042,332
SEPARATION OF CYCLIC ALCOHOLS FROM THEIR KETONES
Thomas S. Carswell, Kirkwood, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application February 1, 1934, Serial No. 709,297
3 Claims. (Cl. 202—52)

1. A method of separating cyclohexanol from cyclohexanone which comprises fractionally distilling a mixture of cyclohexanone and cyclohexanol at an absolute pressure of less than 100 mm.

2,042,333
PROCESS FOR THE PRESERVATION OF RUBBER
Mayne R. Coe, Washington, D. C.
No Drawing. Application December 18, 1933, Serial No. 703,029
2 Claims. (Cl. 18—50)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

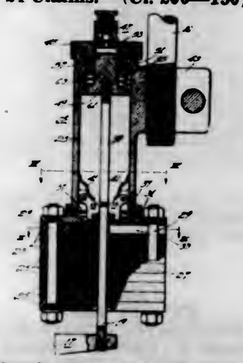
1. The process of preserving rubber and articles containing rubber which comprises combining with the rubber, chlorophyll green in such a manner and amount as to exclude from the rubber and such articles, all wave-lengths of light except those subject to transmission through a color screen having a spectral transmission of the wave lengths lying between 5270 and 6500 Angstrom units of the spectrum.

2,042,334
LOW VOLTAGE GENERATOR
Herman G. Fischer, Peter P. Musket, and Donald E. Richardson, Chicago, Ill., assignors to H. G. Fischer & Co., Inc., Chicago, Ill., a corporation of Illinois
Original application March 23, 1931, Serial No. 524,530, now Patent No. 2,004,751, dated June 11, 1935. Divided and this application May 5, 1934, Serial No. 724,034
2 Claims. (Cl. 201—48)



1. A rheostat assembly, comprising a plurality of relatively narrow bars arranged side by side with edges thereof in a single plane, relatively narrow strips of insulating material between said bars, a plurality of brushes in fixed relation to each other, and means for imparting movement in circular paths of different diameter to said brushes, respectively while maintaining them in engagement with the edges of said bars.

2,042,335
CIRCUIT INTERRUPTER
Paul J. Glaister, Edgewood, and Herbert L. Rawlins, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 3, 1934, Serial No. 751,306
24 Claims. (Cl. 200—150)



1. In a circuit interrupter, rigid means for defining the walls of a passage having substantially fixed dimensions, means for establishing an arc within said passage, means, normally disposed without said passage, which is movable into said passage to decrease the volume thereof during the operation of said interrupter, and actuating means for said movable means including means whereby said movable means is moved into said passage only following the establishing of a low current magnitude arc therein.

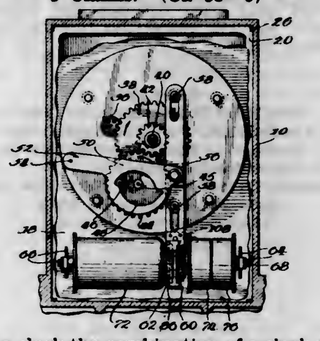
2,042,336
DEEP WELL PUMP
William H. Graham, Elko, Nev., and William S. Grau, Los Angeles, Calif., assignors to Graham Simplex Pump Company (no stockholders liability), Santa Fe, N. Mex., a corporation of New Mexico
Application April 9, 1934, Serial No. 719,730
6 Claims. (Cl. 74—59)



1. In a deep well pump, a casing, a reciprocal plunger rod, a rotary drive member in said casing

arranged concentrically with said plunger rod, means of operative connection between said drive member and said rod operative to reciprocate said rod on rotation of said drive member, spring impelled means for changing the direction of rotation of said drive member during each stroke of said rod, spring pressed detents controlling said spring impelled means, and means on said rod for effecting positive actuation of said detents at predetermined points of travel of said rod to effect release of said spring impelled means.

2,042,337
CALENDAR CLOCK
Laurens Hammond, Evanston, Ill., assignor to The Hammond Clock Company, Chicago, Ill., a corporation of Delaware
Application September 12, 1931, Serial No. 562,459
3 Claims. (Cl. 58—6)



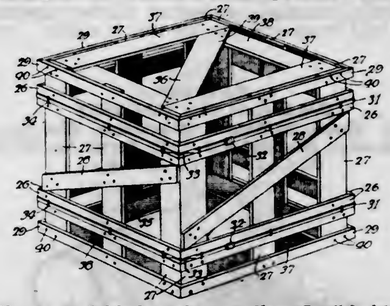
1. In a clock, the combination of a clock mechanism having a pinion rotatable once in twelve hours, a gear driven by said pinion, a pivotally mounted lever, interengaging means on said lever and gear for causing oscillation of said lever upon rotation of said gear, a slidably mounted bar pivoted to the free end of said lever, a plurality of indicating members, and means associated with said bar and said members to cause diverse degrees of angular movement of said members upon reciprocation of said bar by said lever.

2,042,338
MANUFACTURE OF PIGMENTED PAPER
John J. Healy, Jr., Newton Upper Falls, Mass., assignor to Merrimac Chemical Company, Everett, Mass., a corporation of Massachusetts
No Drawing. Application February 3, 1934, Serial No. 709,593
5 Claims. (Cl. 92—21)

1. A process of making paper, comprising precipitating rosin size upon paper pulp suspended in water, by adding aluminum sulphate thereto in an amount to obtain precipitation of the rosin and an acidity of the water substantially greater than neutrality, subsequently adding sodium aluminate to obtain substantial neutrality of the water, adding zinc sulphide pigment to the pulp and collecting the pulp as a paper web.

2,042,339
READY BOUND CRATE
Clarence S. Henderson, Downers Grove, Ill., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois
Application December 27, 1932, Serial No. 648,887
11 Claims. (Cl. 217—16)

1. The combination in a crate or the like, of a plurality of complementary walls folded upon each other and adapted to be unfolded in edge to edge contact with each other to form an enclosure, said walls having beveled edge surfaces coacting with each other in pairs when said



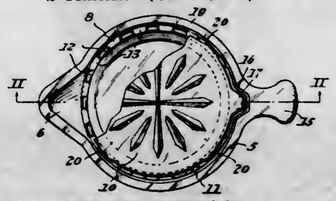
walls are unfolded, and an endless flexible binder surrounding said walls both when folded and unfolded and holding them in proper relative positions, said flexible binder being put under tension by the operation of unfolding said walls.

2,042,340
FLYER FOR SPINNING MACHINES
Henry C. Herr and Harvey E. Herr, Buffalo, N. Y., assignors to Herr Manufacturing Company, Inc., Buffalo, N. Y., a corporation of New York
Application July 10, 1934, Serial No. 734,472
4 Claims. (Cl. 117—26.5)



1. A flyer for spinning machines, comprising a hub, a flyer wire projecting from one side of said hub, and a member projecting from the diametrically opposite side of said hub for generating a force counter to that of the centrifugal force of the wire when the flyer is in motion, the opposite side portions of said member adjacent its outer end being reversely bent to provide air-impacting surfaces.

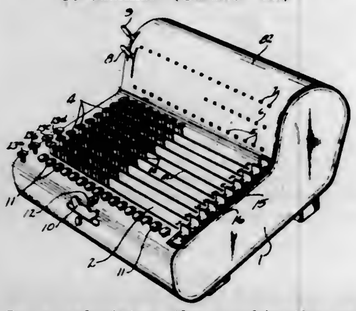
2,042,341
JUICE EXTRACTOR
Curtis B. Ilgenfritz, York, Pa., assignor to United States Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application June 15, 1934, Serial No. 730,767
2 Claims. (Cl. 146—3)



1. A juice extractor comprising a receptacle provided with an annular seat or ledge formed with depressions for draining juice into the receptacle, a handle on the receptacle having a thumb rest on top adjacent said seat, there being a recess extending outwardly from said seat toward the handle, and a glass extractor head formed with an imperforate annular lower rim or

flange for resting on said seat, said flange being sloped to cause juice to flow outwardly over the edge thereof and then beneath the same through the depressions in said seat into the receptacle, said head having a projecting lug for extending into said recess beneath the user's thumb.

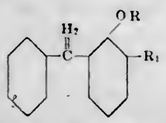
2,042,342
CALCULATING MACHINE
Frank A. Kaiser, Milwaukee, Wis.
Application September 9, 1929, Serial No. 391,289
30 Claims. (Cl. 235—82)



21. In a calculator, the combination with a register and motion transmitting connections for the control of the transmission of movement to said register, of a column of keys each provided with means determinative of a given movement of said register in the course of a predetermined movement of said connections, and a driving means for said connections including circuitously movable manually engageable finger lugs and provided with means definitive of units of advance thereof, together with motion transmitting mechanism connecting said driving means with said connections to produce said predetermined movement of said connections in each unit advance of said driving means.

2,042,343
BENZYL SUBSTITUTED SALICYLIC ACID AND METHOD OF MANUFACTURING THE SAME
Lucas P. Kyrides, Webster Groves, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application May 7, 1934, Serial No. 724,461
4 Claims. (Cl. 260—64)

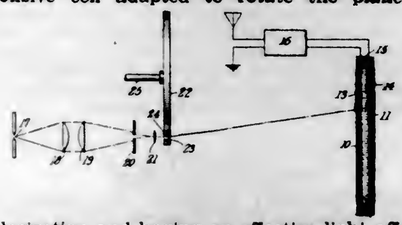
4. A new chemical compound having the structural formula:



where R is a radical selected from a group consisting of hydrogen and $COCH_3$, and R_1 is a radical selected from a group consisting of COOH and COCl.

2,042,344
LIGHT REGULATING MEANS
Joseph La Via, St. Albans, N. Y.
Application March 6, 1931, Serial No. 520,548
4 Claims. (Cl. 178—6)

1. A combined television screen and light controlling means comprising a transparent plate and a translucent plate, respectively polarizer and analyzer arranged with their planes of polarization at right angles said plates having disposed between them an electric responsive cell adapted to rotate the plane of



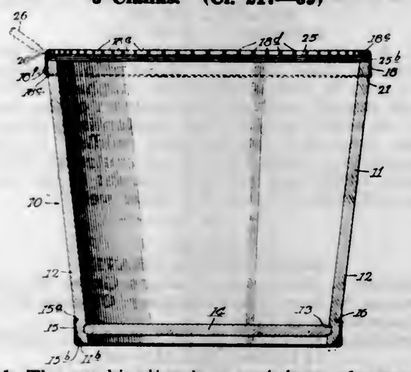
polarization and having an effective light affecting area coextensive with the translucent surface and adapted to vary or control the intensity of light that may pass through the transparent plate and electric responsive means onto the translucent surface.

2,042,345
OSCILLATION GENERATION
Nils E. Lindenblad, Port Jefferson, Long Island, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application October 4, 1930, Serial No. 486,375
Renewed October 25, 1934
21 Claims. (Cl. 250—36)



1. In a braking field type of electron discharge device oscillator having, in combination therewith, a low loss circuit externally coupled thereto, the method of starting and maintaining oscillations in said electron discharge device oscillator which includes capacitively by-passing high current, high frequency energy from the oscillator into said low loss circuit and applying the energy in the low loss circuit to the oscillator.

2,042,346
CONTAINER AND METHOD OF MAKING THE SAME
Chester M. MacChesney, Chicago, Ill., assignor to Acme Steel Company, Chicago, Ill., a corporation of Illinois
Application November 19, 1931, Serial No. 576,075
8 Claims. (Cl. 217—69)

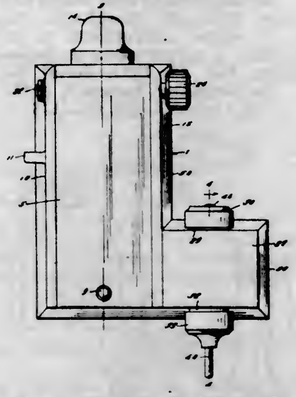


1. The combination in a container, of a vessel, a complete annular metallic rim secured to the upper part of said vessel and having inwardly projecting resilient teeth spaced upwardly from the upper edge of said vessel, and a cover snapped into position upon the upper edge of said vessel and having its upper surface engaged by said inwardly projecting teeth.

2,042,347
CHEMICAL CLEANING PROCESS
Franklin H. Mackenzie, Bywood, Pa., assignor to American Chemical Paint Company, Ambler, Pa.
No Drawing. Application March 13, 1935, Serial No. 10,937
2 Claims. (Cl. 87—5)

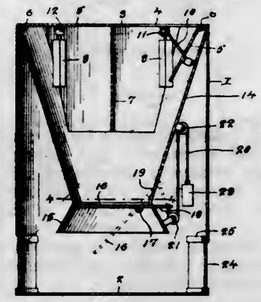
2. A process for continuously maintaining a chemical cleaning solution at maximum operating efficiency, which comprises initially forming an aqueous alkaline solution by admixing predetermined quantities of water, a water-soluble alkaline detergent, and an emulsifying agent capable of reducing the interfacial tension, operating said solution for removing extraneous matter for materials such as metals, clothing, textiles and the like; periodically testing the solution to determine its alkalinity, separately testing the solution for emulsifying power by physically agitating a test portion of the solution with a standard mineral oil and allowing it to separate therefrom, adjusting the solution by adding the required amount of water-soluble alkaline detergent or water as indicated by the alkalinity test, and the required amount of emulsifying agent or water as indicated by the test for emulsifying power, to restore the solution to its original condition, and periodically permitting said solution to rest to allow excess oil to rise and other extraneous matter removed during the cleaning operation to settle, and removing the said oil and extraneous matter from the solution.

2,042,348
DISPENSING CABINET
John J. Marino, Fords, N. J.
Application December 22, 1934, Serial No. 758,838
1 Claim. (Cl. 221—60)



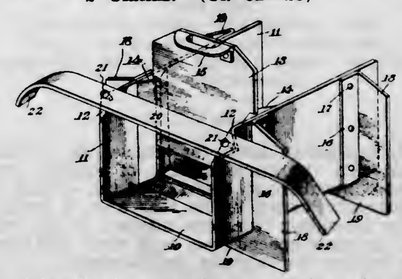
A dispensing cabinet comprising a housing, a pair of coacting, tubular tube squeezing rollers journaled in said housing, the ends of said rollers projecting beyond the housing and having spaced circumferential slots therein, actuating means on one end of one of the rollers, retaining caps on the other ends of said rollers, said caps having circumferential grooves therein and further having spaced circumferential slots communicating with the grooves and with the first named slots, and split, resilient securing rings mounted in the grooves and including substantially U-shaped portions engaged in the first and second named slots.

2,042,349
ANIMAL TRAP
James McGhee, Cocoa, Fla.
Application October 23, 1935, Serial No. 46,421
2 Claims. (Cl. 43—69)



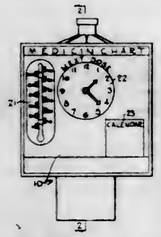
1. An animal trap comprising a hollow body in the form of a container including a top and a bottom, said top having openings arranged therein, partition means depending from the top and providing a passageway leading from each opening, weight actuated doors for closing the openings, brackets secured to said doors and having the weights of the doors connected therewith, guide means for the weights and secured to the partition means, said brackets including shoulders to hold the doors flush with the top, means surrounding the partition means and having an open lower end, and a weight actuated door for closing the open lower end.

2,042,350
DITCH GATE
Bernard McGuire, Lansing, Iowa
Application November 5, 1934, Serial No. 751,646
2 Claims. (Cl. 61—28)



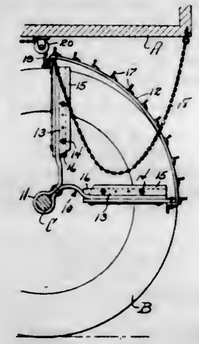
1. A head gate apparatus comprising a box including a bottom and spaced parallel side walls, a substantially U-shaped guide arranged within the box and provided with grooves, the sides of the guides being inclined toward the box, a gate slidably mounted for vertical movement in the grooves, substantially U-shaped members secured to the bottom and sides of the box, flanges extending at right angles from the U-shaped members to project laterally from the sides and downwardly from the bottom and adapted to be embedded in the ground for fixing the head gate in position for use.

2,042,351
INDICATOR
William T. Mehaffey, Brooklyn, N. Y.
Application March 11, 1935, Serial No. 10,538
2 Claims. (Cl. 116—121)



1. A card board member formed with a substantially flat horizontal top portion and two substantially vertically depending side flaps, the top portion being made with an opening at its center and having a number of slits formed therein in a star-like manner and emanating from said opening, said top portion having an annular, elastic, reenforcing member in close proximity to said opening.

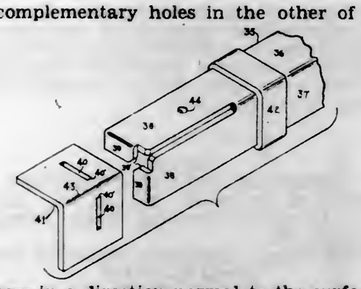
2,042,352
SAFETY DEVICE FOR TRUCK TRAILERS
Lewis Miller, Cleveland, Ohio, assignor of one-third to John Jeisel and one-third to Frank L. Legan, Cleveland, Ohio
Application October 28, 1935, Serial No. 47,174
3 Claims. (Cl. 188—30)



1. In a safety device for vehicles the combination with operating means, of spaced sector shaped members at the rear of the vehicle and swingingly carried by its rear axle, a series of calks extending from one member to the other and arranged spaced from each other, and means for limiting the swing of the members.
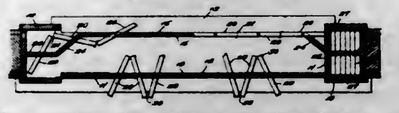
2,042,353
CONNECTION FOR STRUCTURAL MEMBERS
Terry Bryan Morehouse, West Hempstead, N. Y.
Application November 5, 1934, Serial No. 751,464
18 Claims. (Cl. 189—36)

5. A structural joint for joining two members including an angle member, said angle member having a bifurcated end forming two end portions, one end portion lying in each of the planes of said angle member, the tips of each of said end portions including a projection for insertion into complementary holes in the other of said



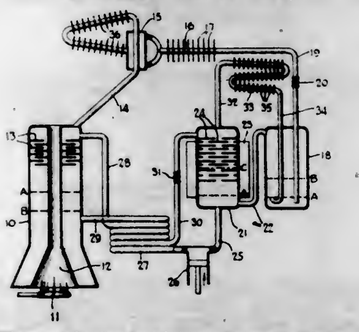
members in a direction normal to the surface of said end portions.

2,042,354
WINDOW SASH AND FRAME
Martin H. Munson, Red Wing, Minn.
Application August 20, 1935, Serial No. 37,085
1 Claim. (Cl. 20—42)



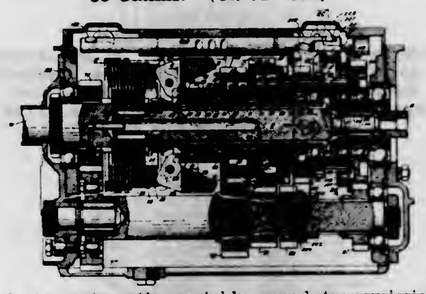
The combination with a window frame, of a pair of tracks on the top of the frame, a pair of tracks on the bottom of the frame, a storage compartment on the side of the frame between said tracks, sash elements hingedly connected together at the vertical edges and pivoted at the centers of the upper and lower edges to one pair of the tracks, said sash elements being foldable flat upon each other for storage in said compartment, and window sash elements pivotally connected together at the vertical edges and pivotally connected at the centers of the upper and lower edges to the other pair of tracks for folding upon each other to permit access to the first named sashes.

2,042,355
REFRIGERATING SYSTEM
Carl Georg Munters, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application July 23, 1932, Serial No. 624,223
In Germany August 1, 1931
12 Claims. (Cl. 62—178)
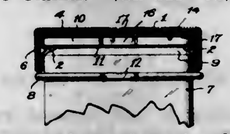


1. The method of refrigerating which includes evaporating a plurality of liquid cooling fluids in the presence of each other, and separately condensing the resulting vapors at different pressures.

2,042,356
TRANSMISSION
Romeo M. Nardone, East Orange, N. J., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application June 17, 1932, Serial No. 617,887
38 Claims. (Cl. 74—336)



1. An automatic variable speed transmission mechanism comprising a driving shaft, a driven shaft, a friction clutch for connecting the shafts in a high gear ratio, means for connecting the shafts in a low gear ratio, means for connecting the shafts in an intermediate gear ratio, torque responsive means on the low and intermediate connecting means for disengaging the clutch when either is operative, said low and intermediate connecting means each having an overrunning clutch included therein, and means operated by the low speed connecting means for controlling the intermediate overrunning clutch.

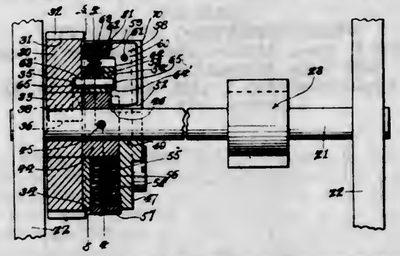
2,042,357
CLOSURE FOR BOTTLES, JARS, TIN CANS, AND THE LIKE
Rodolfo Ostry, Quilmes, Argentina
Application September 19, 1934, Serial No. 744,733
3 Claims. (Cl. 215—82)



1. In a closure of the character described, the combination with the neck of a receptacle provided with an external annular bead and with an annular groove adjacent the bead, a flanged cover engageable over the mouth and neck and surrounding the groove, of a metallic band having its main portion arranged across the top of the cover and having the respective end portions foldable and straddled about the flange of the cover, and studs carried by the end portions and engaged in the groove and said main portion being weakened to facilitate tearing of the strip when it is desired to remove the cover.

2,042,358
DRIVING MECHANISM OF THE ONE-WAY CLUTCH TYPE
Harry A. Palmer, Malden, Mass., assignor to Palmer Inventions Inc., Malden, Mass., a corporation of Massachusetts
Application June 18, 1934, Serial No. 731,207
11 Claims. (Cl. 192—46)

1. A driving mechanism for controlling the operation of a cam shaft comprising a gear operable in a clockwise and anti-clockwise direction and loosely mounted on said shaft, a driving structure formed of an inner and outer part, said inner part adapted to be fixed to said shaft for driving it and encompassed by the said outer part, said outer part being provided with pivoted means releasably extending into said inner part for causing said parts to operate in unison, said outer part being provided with slidable means releasably extending into said gear permitting the pivoted means to engage the inner part when said gear moves in a clockwise direction thereby providing for the operation of said structure to drive said shaft, spaced connecting members be-

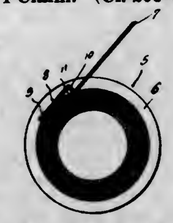


tween said gear and outer part for maintaining the latter in sidewise opposed relation with respect to the gear, said outer part being formed with clearances for said members when the gear moves in an anti-clockwise direction, and said gear being provided with means acting, when said gear moves in an anti-clockwise direction upon said slidable means for shifting it in a direction to permit of the gear moving independently of said driving structure and to release said pivoted means from said inner part.

2,042,359
DENTIFRICE
Earl B. Putt, Haworth, N. J., assignor to Herman Theaman, New York, N. Y.
No Drawing. Application May 23, 1933, Serial No. 672,467
2 Claims. (Cl. 167—93)

1. A soapless dentifrice comprising dimethyl cellulose as a foam producing ingredient.

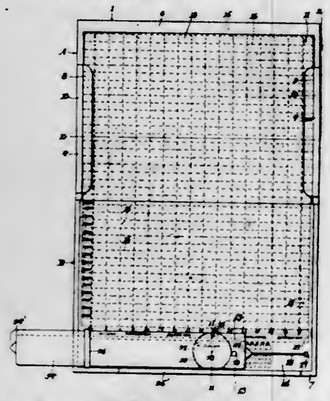
2,042,360
ADHESIVE TAPE SEVERING CLIP
George W. Riddle, Jr., Chillicothe, Mo.
Application February 1, 1935, Serial No. 4,539
1 Claim. (Cl. 206—59)



The herein described means for holding and dispensing tape comprising a spool having a hub and spaced heads at the ends of the hub, said hub being adapted to have coiled thereon a length of tape with the edges of the tape in spaced relation to the inner sides of the heads, and a cutting device disposed between the heads of the spool and against the outermost convolution of the coiled or rolled tape, said cutting device consisting essentially of a flat rectangular plate having a depending rectangular-shaped cutting flange

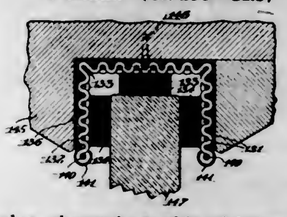
at one end and disposed at right angles to said plate and also having on its side edges depending flanges of even width throughout extending from said cutting flange to the remote end of the plate, said flanges resting between the edges of the coiled or rolled tape and the spool heads whereby the cutting device is held in working position notwithstanding the rocking thereof on the periphery of the rolled or coiled tape incidental to the use of the cutting device.

2,042,361
DEMONSTRATING APPARATUS
Ralph P. Ross, Abilene, Tex., assignor to Scientific Sales Methods, Inc., Dallas, Tex.
Application May 7, 1935, Serial No. 20,241
5 Claims. (Cl. 35—24)



1. In a demonstrating apparatus for the use of insurance salesmen, a chart having means carrying spaced groups of insurance data to be concealed, means carrying permanently exposed insurance data for association with the groups of data and means to constitute a life age scale interposed between the said means for carrying the groups of data to be concealed and the means for carrying the data to be permanently exposed, the said life age scale being associated with the data upon the chart, an inner slide positioned in superimposed relation with respect to said chart and disposed to conceal the spaced groups of data and a portion of said scale, said slide having spaced selectable sets of windows for exposing a selected group of data, said slide being provided with an indicator representing the life of the insured for indicating a selected age point of said life scale and a selected group of data, an outer slide positioned upon and latched to the inner slide to provide for the slides bodily moving together in either direction, said outer slide closing said sets of windows and capable, when released from the inner slide, of being moved independently of the inner slide in either direction for opening a set of windows to expose the data of a selected group, said outer slide being formed with a window, a toothed disc inwardly of said window of and carried by and within the outer slide for permanently concealing said indicator and revoluble on the bodily moving of the slides in unison and when the outer slide is moved independently of the inner slide, said disc being provided with a concealed death indicator bodily moving therewith for exposure through the window on the outer slide to indicate the death of the insured and for designating when the outer slide is to be moved relatively to the inner slide to expose the selected group of data, and supporting means for the chart provided with means coacting with the teeth of the disc for revolving the latter on the shifting of the slides in unison and on the shifting of the outer slide independently of the inner slide.

2,042,362
WINDOW CHANNEL
Charles P. Schlegel, Rochester, N. Y., assignor to The Schlegel Manufacturing Company, Rochester, N. Y., a corporation of New York
Application March 23, 1934, Serial No. 717,041
In Great Britain July 22, 1933
1 Claim. (Cl. 296—44.5)



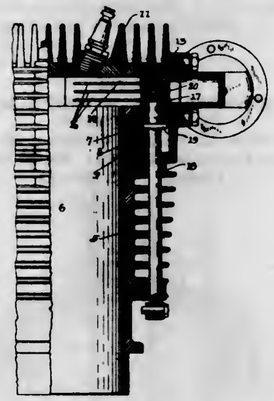
A window channel capable of being bent both transversely and longitudinally, comprising a main body of readily bendable woven textile material, a thin coating compound applied to and at least partially impregnating said textile material, said coating in itself having insufficient stiffness to form a self-sustaining window channel but serving to stiffen said textile material sufficiently to form a channel capable of being laid substantially flat and of being bent up transversely into a channel shaped cross section and of being self-sustaining in the rabbet of the window frame, and means forming relatively thick, interwoven cushioning on certain faces of said textile body for cushioning a sash embraced by said window channel and holding said sash out of contact with said textile body.

2,042,363
HIGH TEMPERATURE REFRACTORY CEMENT
Gilbert E. Seil, Cynwyd, Pa.
No Drawing. Application October 12, 1935, Serial No. 44,685
9 Claims. (Cl. 106—9)

1. A dry cement material for refractory uses comprising essentially heat treated recrystallized chromite, sodium silicate and periclase.

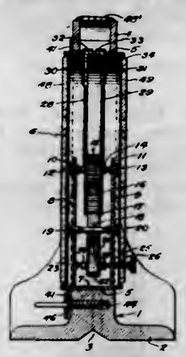
2,042,364
ENGINE
Charles A. Simpson, San Francisco, Calif.
Application September 1, 1933, Serial No. 687,849
Renewed December 27, 1935
3 Claims. (Cl. 123—188)

1. In an internal combustion engine, a cylinder, a shoulder of cylindrical form less in diameter than the external diameter of the cylinder formed on the exterior surface of the cylinder and below the upper end thereof, a cylinder head disposed above the upper end of the cylinder, a downwardly extending sleeve on the cylinder head engaging the cylinder shoulder and supporting the cylinder head with relation to the upper end of the cylinder, said sleeve and head forming a closure for the upper end of the cylinder, said sleeve having crescent-shaped valve chambers in the interior surface thereof to form a space between the sleeve on the cylinder head and the exterior of the cylinder shoulder, said sleeve having a port formed therein, a crescent-shaped valve disposed in crescent-shaped chambers between the sleeve of the cylinder head and



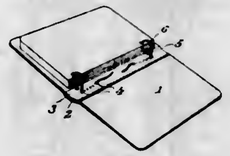
the exterior upper end of the cylinder, and means interposed between the exterior surface of the cylinder and the valve to maintain the valve in snug engagement with the inner surface of the cylinder head sleeve.

2,042,365
LEVEL AND INCLINOMETER
Charles A. Stockheim, Beaumont, Tex.
Application June 22, 1935, Serial No. 28,003
3 Claims. (Cl. 33—215)



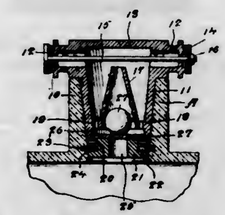
1. An inclinometer comprising a base member having a plane face provided with a recess, a body extending perpendicularly to said base, and having a cylindrical opening therethrough, a cylindrical casing slidably and rotatably mounted in said opening, means for clamping said casing in any position of angular adjustment in said opening, a pair of standards extending radially inward from the cylindrical wall of said casing, a pinion journaled in said standards, a cylindrical pendulum journaled in said standards to rotate about an axis parallel to the axis of said pinion, and having gear teeth meshing with the teeth of said pinion, the walls of said casing opposite the standards being slotted and having a scale formed on the periphery between said slots, semi-circular scales fixed to said casing at the inner walls of said slots, and indicators extending radially from said pinion to read on all of said scales.

2,042,366
LOOSE LEAF FOLDER
Calvin P. Swank, Philadelphia, Pa.
Application December 3, 1934, Serial No. 755,822
1 Claim. (Cl. 129—41)



A folder comprising cover elements, a flexible portion connecting said cover elements to act as a hinge therefor, a strip secured to said flexible portion, said flexible portion and strip having openings arranged in a pair of groups with three openings to each group, and a lacing having a central portion lying between said strip and flexible portion and passed through one opening of each group in the strip to connect the lacing to said flexible portion and the strip and providing a pair of loop portions adapted to be passed through loose leaves to form hinges therefor, and end portions of the lacing being laced through the other openings of said groups of openings of said strip to releasably secure said end portions of the lacing to the strip and flexible portion.

2,042,367
NONREFILLABLE BOTTLE
Thomas J. Taheny, Pawtucket, R. I.
Application October 23, 1935, Serial No. 46,435
1 Claim. (Cl. 215—22)



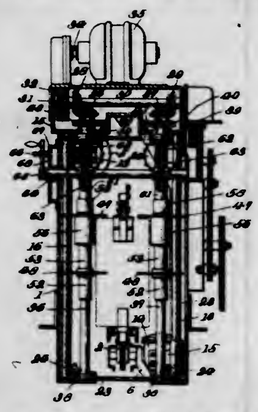
A stopper of the character described, comprising an inverted substantially conical shaped hollow body open at its inner end and closed at its outer end, means for permanent anchorage of the body within a neck of a bottle, diametrically opposed pouring spouts on the body next to the closed end and extended laterally a considerable distance beyond the bottle neck, valve mechanism within the hollow body, sealing caps for said spouts, and a tie rod located within the spouts and separably joining the sealing caps for holding the same in sealing relation to said spouts.

2,042,368
ICE SCORING MACHINE
Migiel J. Uline, Washington, D. C.
Application March 6, 1934, Serial No. 714,339
15 Claims. (Cl. 125—13)

1. In an ice scoring machine, a revolving saw arbor, saws feathered on said arbor, a sliding

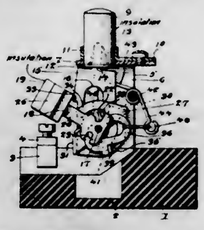
CARNEGIE LIBRARY OF ATLANTA

connection between said saws and stops fixed on



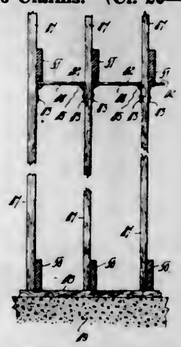
said arbor for positioning said saws thereon.

2,042,369
ONE-BUTTON SWITCH
Albert von Kilian, Frankfort-on-the-Main, Germany
Application April 23, 1935, Serial No. 17,857
1 Claim. (Cl. 200—70)



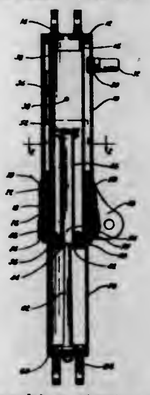
A switch comprising an insulating base, a bracket secured to the base, spaced contacts secured to the base, a push button slidably secured to the bracket, a shaft secured to the bracket, a circuit making and breaking element including an insulated head carrying arms journaled to said shaft and a contact strip to move into and out of engagement with the spaced contacts by the swinging movement of said element on the shaft, stops on one of said arms to engage with the bracket for limiting the swinging movement of the circuit making and breaking element in opposite directions, a sliding plate pivoted to the push button and having a slot with the shaft extending loosely therethrough and provided with a tapered portion, shoulders on opposite edges of said plate, one of said arms of the circuit making and breaking element having notches extending in opposite directions, a rockable member journaled on said shaft and provided with a slot to receive said slidable plate and its ends adapted to be alternatingly engaged by the shoulders of the sliding plate during the sliding movement of said sliding plate under the influence of the push button, arcuate-shaped arms formed on said rockable member and arranged upon opposite sides of the latter, a shifting plate having a slot loosely receiving said shaft, pairs of projections on the shifting plate and one pair of said projections adapted to be alternatingly abutted by said arms and to be alternatingly engaged by the arms whereby the shifting plate will be caused to pivot first upon one arm and then upon the other arm and to slide relative to the shaft for alternatingly engaging the other pair of projections with the notches of the circuit making and breaking element, and spring means connected to the shifting plate and to the sliding plate for returning the push button to its initial position when manually released and for normally urging the shifting plate in one direction.

2,042,370
METAL SUPPORT FOR WOODEN BUILDING CONSTRUCTION
Frank R. Walker, Glencoe, Ill.
Application December 12, 1934, Serial No. 757,221
6 Claims. (Cl. 20—1)



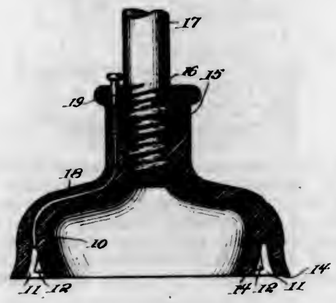
1. A timber supporting unit for the studding and joists of a frame construction to overcome the damaging effect coincident with the shrinking of the joists, said supporting unit comprising a non-shrinkable member of a length corresponding with the space between studding, and attaching flanges at the ends of said member for securing the same to the studding in supporting the joists at a definite or predetermined height.

2,042,371
SHOCK ABSORBING STRUT
Kenneth W. Warren, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application February 9, 1933, Serial No. 656,005
11 Claims. (Cl. 267—64)



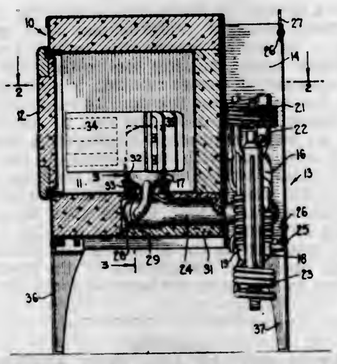
1. A shock absorbing strut comprising a casing, a hollow piston supported and fixed concentrically therein, a head on the lower end of the piston having an orifice, a cylinder supported on the head within the piston registering with the orifice, and a flap valve on the other end of the cylinder permitting flow upward therethrough.

2,042,372
VACUUM DEVICE
Roy A. Watson, Ashland, Ohio
Application August 6, 1935, Serial No. 35,002
2 Claims. (Cl. 4—255)



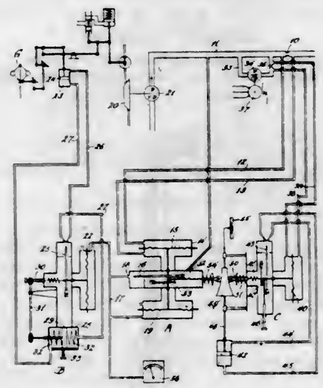
1. A drain cleaning device comprising an elastic hollow bell-shaped body having an open end and provided with vacuum recesses in the edge of said open end and intercommunicating with each other, the said body having a vent opening into one of the recesses and to the atmosphere, and a sealing means for said vent to shut off communication thereof with the atmosphere.

2,042,373
REFRIGERATOR
Erik Wenander, Motala, Sweden, assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application May 10, 1932, Serial No. 610,363
In Germany July 24, 1931
13 Claims. (Cl. 62—119.5)



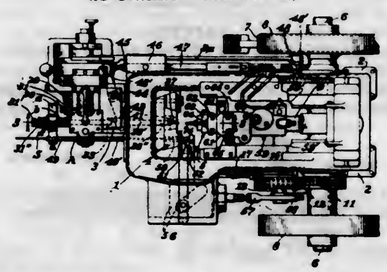
12. In a refrigerator including a thermally insulated compartment and absorption refrigeration apparatus employing an inert pressure equalizing gas and including a gas heat exchanger, thermal insulating wall structure forming said compartment and having a recess in an external surface in which recess said heat exchanger is located, and which recess is of a length greater than and a depth less than the thickness of said wall structure.

2,042,374
APPARATUS FOR REGULATING AND/OR MEASURING THE FLOW OF FLUIDS
Guido Wünsch, Berlin-Steglitz, Germany, and Alan James Douglas Humby, Ipswich, England, assignors to Askania-Werke A. G. vormals Central Werkstatt Dessau und Carl Bamberg-Friedenau, a German company
Application December 31, 1935, Serial No. 57,018
In Great Britain April 13, 1934
6 Claims. (Cl. 230—5)



6. In combination with a gas delivering conduit having a restriction to create a differential pressure proportional to the rate of flow, means for delivering a constant volume of gas per time unit from the conduit through a restriction to create a second differential pressure proportional to the density of the gas; a regulator connected to be operated by said first named differential pressure for creating a controlling impulse which is proportional thereto; and means responsive to the second differential pressure connected to multiply the controlling impulse by a factor which is always proportional to the density of the gas, whereby said control impulse is always proportional to the weight flow of the gas per time unit through the conduit.

2,042,375
MACHINE FOR MAKING BUTTON BACKS AND THE LIKE
Walter T. Abel, West Cheshire, Conn., assignor to The Patent Button Company, Waterbury, Conn., a corporation of Connecticut
Application December 6, 1933, Serial No. 701,218
23 Claims. (Cl. 79—3)



1. A double stroke crank header for forming button backs and the like from slugs and including a punch and a header die, means for operating the punch and the header die to impart successive

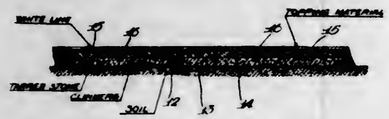
forming and heading blows to a slug, a forming and knock-out pin cooperating with the slug during both blows, means for advancing the forming and knock-out pin to advance the slug after receiving the forming blow, means for backing up the forming and knock-out pin during the two blows received by the slug, additional means for advancing the knock-out pin carrying the completed button back, and means for removing the button back from said pin.

2,042,376
SCREW DRIVER
Louis Balga, Bridgeport, Conn.
Application July 19, 1935, Serial No. 32,283
1 Claim. (Cl. 279—89)



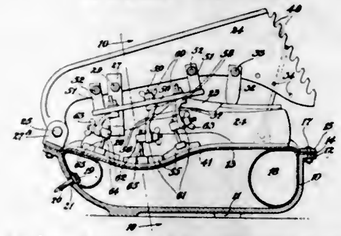
In a detachable blade mounting for screw drivers, a casing section, a shaft journalled in the casing section and projecting from one end thereof, the projecting end of the shaft having a transversely extending key slot in the outer end thereof, an outwardly flaring abutment shoulder at the outer terminal end of the shaft, a key-ended screw driver blade removably positioned in the slot, a ring surrounding the projecting end of the shaft and having a tapered inner wall for mating contact with the flared collar on the shaft with the outer side of the ring flush with the end of the shaft at its limit of movement towards the end of the shaft, and a coil spring surrounding the shaft and engaged with the adjacent end of the casing and ring for normally forcing the latter towards the outer end of the shaft to close opposite ends of the slot and retain the screw driver blade therein.

2,042,377
PAVING OF TENNIS COURTS AND THE LIKE
Arthur Kelway Bamber, Brighton, England
Application March 29, 1935, Serial No. 13,623
6 Claims. (Cl. 94—19)



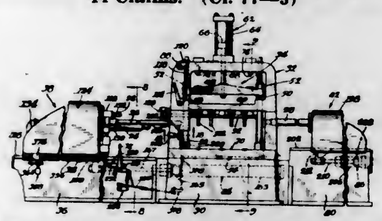
1. A top surface material for a tennis court or the like, comprising particles of aggregate and a binder composed of linseed oil, rosin, rubber and shellac.

2,042,378
SHOE BOTTOM ATTACHING APPARATUS
George H. Barge, Jamaica, N. Y., assignor to Barge Electric Shoe Cement Press, Inc., a corporation of New York
Application December 9, 1932, Serial No. 646,357
23 Claims. (Cl. 12—33)



1. A shoe bottom attaching apparatus including, in combination, pressure-applying means, means for holding a shoe in position to resist the pressure of said pressure-applying means against the shoe sole, and additional means comprising a unit of disconnected sections adapted to resist said pressure against the edge of the shoe sole.

2,042,379
METALWORKING APPARATUS
John S. Barnes and Paul R. Guirl, Rockford, Ill., assignors to W. F. & John Barnes Company, Rockford, Ill., a corporation of Illinois
Application February 14, 1931, Serial No. 515,779
44 Claims. (Cl. 77—3)

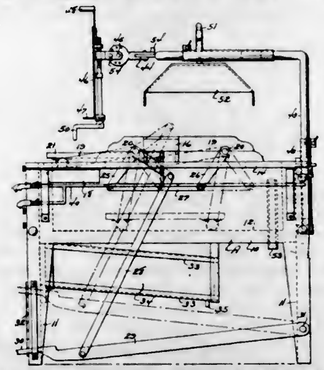


6. In a device for machining a bearing surface in a work piece, a reciprocable work support having a recess to permit the initial insertion of a preset rotary cutting tool within the work, a tool disposed in preset relation to said support, means for advancing the tool toward said support, means acting upon the tool to secure said tool in an indexed position to effect the registration of said tool with the recess in the work support, means for rendering said securing means functionally inoperable upon the completion of the initial advancement of the tool, means for effecting rotation of the tool for making a feeding cut, and means for arresting the rotation of the tool upon the completion of its machining operation to enable its withdrawal from the work.

2,042,380
RADIATOR REPAIR AND TEST APPARATUS
William A. Berringer, Lewisberry Pa., assignor of one-fourth to Vane H. Lowmaster, Lewisberry, Pa.
Application June 13, 1935, Serial No. 26,493
1 Claim. (Cl. 29—89)

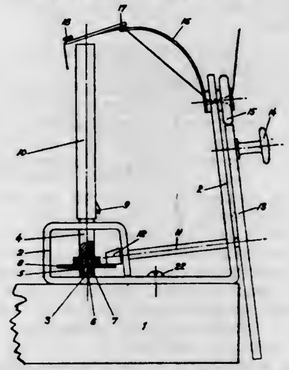
An apparatus of the class described which includes a stand provided with a vat, of a mount vertically supported at one end of the stand, a crane including an angle bar having one end received in and secured to the mount for rotary

and for vertical adjustment and having its other and horizontal arm disposed over the vat, a member telescopically received in said horizontal arm and adjustably fixed therein and having an outer horizontally disposed disk shaped end, a bifurcated member pivotally associated with said disk, latching means for holding the bifurcated member when swung angularly on the disk, a vertically disposed disk on the outer end of the



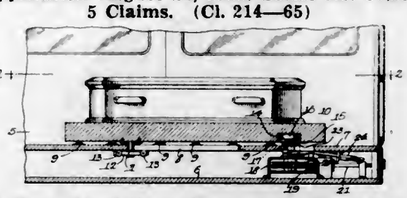
bifurcated member, an element pivoted to said last named disk, latching means for holding the element when swung angularly on said disk, and a clamp comprising slidably associated jaws and a handle operated screw for moving the jaws toward or away from each other and said screw being threaded through the mentioned disk carrying element.

2,042,381
HAND SPOOLING APPARATUS
Peter Georg Grove Beyer, Copenhagen, Denmark
Application October 18, 1934, Serial No. 748,954
In Denmark October 18, 1933
1 Claim. (Cl. 242—2)



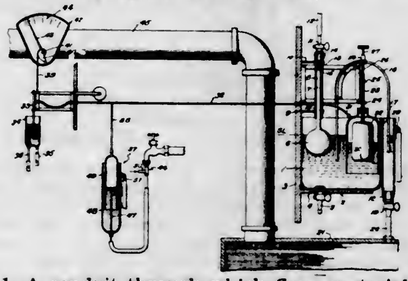
Spooling apparatus, comprising a frame having a horizontal portion and an inclined portion, a vertical spindle adapted to rotate on the horizontal portion of the frame, a winding wheel adapted to rotate on the inclined portion of the frame, the axis of the winding wheel being perpendicular to the inclined portion of the frame, a winding arm attached to the winding wheel and extending over the spindle, the winding wheel being apertured to permit the material to pass therethrough and onto the winding arm, and means for simultaneously rotating the spindle and the wheel, comprising a crank wheel in contact with the winding wheel, whereby the material is wound on the spindle in a criss-cross manner to produce a ball of oblong cross-section, the inclined portion of the frame making a very large acute angle with the horizontal portion, whereby the windings are laid as nearly parallel to the axis of the spindle as the passage of the winding arm about the spindle will allow.

2,042,382
HEARSE
William E. Binkley, Forreston, Ill.
Application August 21, 1935, Serial No. 37,238
5 Claims. (Cl. 214—65)



1. In a side delivery hearse, a body portion, a false bottom within the hearse and spaced from the bottom of the hearse, a movable table mounted on the false bottom, said table having a groove therein, a rack bar secured within the groove, a shaft extending into the groove, a gear on the shaft and adapted to move into mesh with the rack bar whereby the table is rotated, and means for rotating the shaft.

2,042,383
PROPORTIONAL LIQUID FEED APPARATUS
Lloyd C. Bird, Hampton M. Rexrode, and Ralph R. Chappell, Richmond, Va., assignors to Phipps & Bird, Inc., Richmond, Va., a corporation of Virginia
Application July 10, 1935, Serial No. 30,690
4 Claims. (Cl. 137—165)

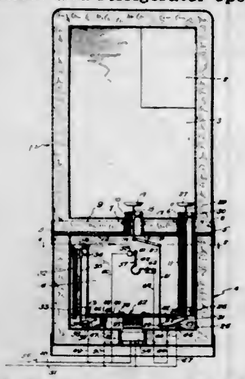


1. A conduit through which flows material to be treated, a device for feeding treating liquid to said conduit, a flow meter connected to said conduit, an air compressor connected to said device to feed air under pressure thereto, and means adjustable by said meter for varying said pressure in proportion to the rate of flow of said material to effect variations in the feed of said liquid in proportion to the said rate of flow.

2,042,384
CONSTANT TEMPERATURE REFRIGERATOR
Lloyd C. Bird, Hampton M. Rexrode, and Ralph R. Chappell, Richmond, Va., assignors to Phipps & Bird, Inc., Richmond, Va., a corporation of Virginia
Application August 15, 1935, Serial No. 36,398
4 Claims. (Cl. 257—3)

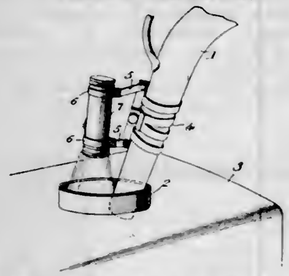
1. A refrigerator, a chamber, fan means for circulating a cooling fluid between said refrig-

erator and chamber when the temperature in said chamber exceeds a predetermined maximum, a second chamber, and means in the second chamber and refrigerator operable to cut



off the said circulation of cooling fluid and to heat the air in the first named chamber when the temperature thereof falls below a predetermined minimum.

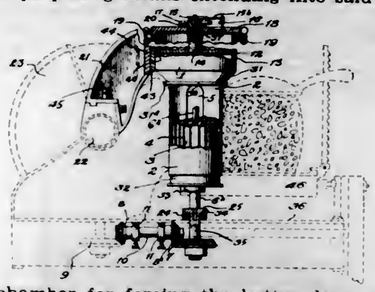
2,042,385
FLASHLIGHT ATTACHMENT FOR GASOLINE HOSE NOZZLES
Robert L. Boring, Lexington, Ky.
Application June 26, 1935, Serial No. 28,576
1 Claim. (Cl. 240—2)



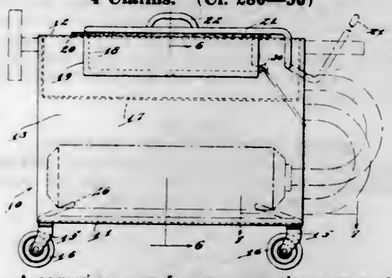
A bracket comprising split clamps to encircle a flashlight, links frictionally and pivotally connected to the clamps, an elongated body frictionally and pivotally connected to the links, coiled portions formed integrally with the body and extending in the direction of each other and terminating in an ear, and a fastener adjustably connecting the ear to the body whereby the coiled portions may be readily adjusted to a nozzle.

2,042,386
AUTOMATIC BUTTERING MACHINE FOR BREAD
Anibal Agustin Cambiasso, Buenos Aires, Argentina
Application May 19, 1934, Serial No. 726,566
In Argentina June 21, 1933
7 Claims. (Cl. 91—14)

1. A machine for automatically buttering slices of bread cut by a rotary mechanical slicer of conventional type having a main drive, said machine comprising a cylindrically bored upper chamber adapted to contain a supply of butter, a lower cylindrically bored chamber secured coaxially to and of smaller internal diameter than said upper chamber, a discharge orifice in the cylindrical wall of said lower chamber, a roller coaxially and rotatably mounted within and of smaller diameter than the lower chamber, thus forming an annular space surrounding said roller, propelling means extending into said upper chamber for forcing the butter downwards into said annular space, driving means for positively rotating said roller, actuating means for driving said propelling means, and coupling means for coupling the said actuating and driving means to the main drive of the slicer.



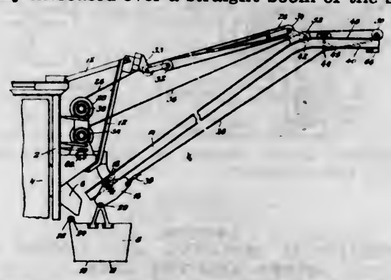
2,042,387
CARRYING CASE
David F. Cobb, Boston, Mass.
Application July 9, 1935, Serial No. 30,512
4 Claims. (Cl. 280—50)



1. A carrying case for vacuum cleaners and the like comprising in combination, a case wholly closed on the top, bottom and two sides and provided with rotatable casters on its bottom, a normally closed tool compartment located adjacent the top and one side and normally closed, a hinged cover attached to the top of said case above said tool compartment, a working handle pivoted at its two ends through the two opposite sides of said case and adjacent one end thereof and provided for the purpose of moving said carrying case about when in use and for holding said tool compartment cover in place when in an open or closed position, a shelf located in the top of said case and adjacent said tool compartment one end of which is closed except for a centrally located opening adapted to receive extension members comprising a part of the equipment of said vacuum cleaner, vacuum cleaner clamping and stop members located on the inside bottom adjacent one end of said case for the purpose of preventing the said vacuum cleaner from becoming accidently withdrawn from said carrying case.

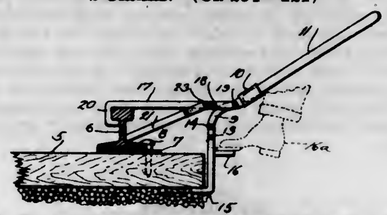
2,042,388
MATERIAL HANDLING MACHINE
Joseph Cogito and William Ingrassia, Washington, D. C.
Application December 21, 1935, Serial No. 55,648
7 Claims. (Cl. 214—119)

1. A material handling machine, comprising in combination, a boom swingable up and down, the boom also serving as a rail along which a load-supporting carriage may travel, the outer portion of said boom being extended at an angle to the main portion thereof and bending toward the horizontal when the main portion is upwardly inclined, the angle between the angular extension and the prolongation of the axis of the boom being of the order of 25° to 45°, whereby the lateral or horizontal reach of the boom is substantially increased over a straight boom of the same



length, a load supporting carriage adapted to travel along the boom and onto the angular extension, said angular extension, in the normal, upwardly inclined working positions of the boom, being always more nearly horizontal than the boom proper, whereby the tendency of the carriage to slip backwardly down the boom is lessened or even eliminated when the carriage is positioned on said angular extension, and drum and cable means for moving said carriage along the boom.

2,042,389
CROSS TIE RAISER FOR RAILROADS
Eugene Compitello, Clyde, N. Y.
Application April 9, 1935, Serial No. 15,465
2 Claims. (Cl. 254—121)

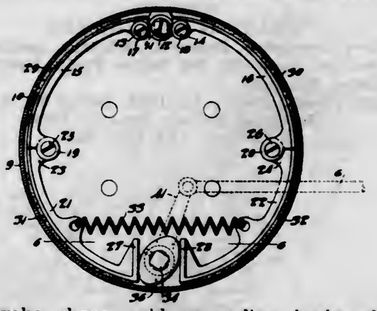


1. In a cross tie raiser, a shank and handle attached thereto, a hook depending from the shank for placement beneath the end of a tie, and a clamping arm and a brace pivotally connected together with the clamping arm pivotally carried by the shank the arm and brace adapted respectively for engagement with the tread and web of a rail supported on the tie.

2,042,390
BRAKE
Palmer H. Crary, Coconut Grove, Fla., assignor of one-third to Charles A. Fascell, Coconut Grove, Fla.
Application September 29, 1932, Serial No. 635,416
1 Claim. (Cl. 188—78)

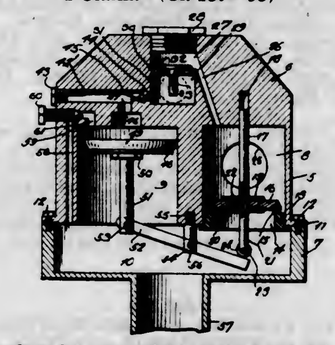
An expanding brake comprising, with a rotatably mounted drum having an internally faced brake rim, a stationary supporting plate, a polygonal mounting stud stationarily carried by the supporting plate adjacent to and spaced from the brake face, an operating shaft rockably mounted through the plate substantially

diametrically opposite said stationary stud, a bearing member stationarily held on said polygonal stud and provided with bearing ears extending laterally on opposite sides of said stud, a pair of curved swinging brake shoe members provided with bifurcated bearing ears receiving and rockably pivoted on the laterally extending bearing ears of the bearing member, each of said swinging brake shoe members being provided at its free end with a bearing ear, curved expanding brake shoe members provided with bifurcated bearing portions receiving and rockably pivoted on the bearing ears of the swing-



ing brake shoes, said expanding brake shoe members terminating at their free ends on opposite sides of the operating shaft and being provided with facing contact flanges spaced therefrom, a spring connected between the expanding brake shoes to normally draw the expanding and the swinging brake shoes inwardly to contracted relation out of contact with the brake drum, and a double cam on said operating shaft engaged with said contact flanges by rocking movement of the shaft to move the expanding and the swinging brake members outwardly into braking contact with the brake rim.

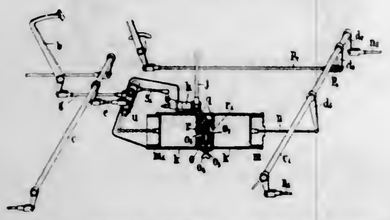
2,042,391
FLUSH VALVE
Walter J. Crist and Charles W. Hess, Middletown, N. Y.
Application May 10, 1934, Serial No. 724,967
1 Claim. (Cl. 137—93)



A flush valve comprising a casing having separable upper and lower sections and flush valve mechanism carried by the upper section to permit access thereto when the two sections are separated, said flush valve mechanism including a pair of parallel chambers formed in the upper section, a valve located in one of the chambers, a piston mounted in the other chamber, a rocker arm connecting the valve and piston and ex-

tending across the lower ends of the two chambers, a manually operable valve interposed between the upper ends of the two chambers, and including a stem, a hand operated plunger laterally engaged with the stem for unseating the valve, a duct at each side of the valve respectively leading to the chambers, a check valve in the duct leading to the piston chamber, a vent extending from the upper end of the piston chamber to the lower section of the casing and means for varying the area of the vent.

2,042,392
BRAKING OF VEHICLES
Albert Dewandre, Brussels, Belgium, assignor to Societe Anonyme Du Servo Frein Dewandre, Liege, Belgium
Application January 13, 1930, Serial No. 420,516
In Great Britain June 17, 1929
5 Claims. (Cl. 188—152)



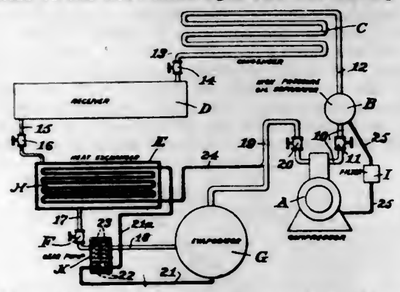
1. In a braking system for automotive vehicles, braking mechanisms operative on some of the wheels, braking mechanisms operative on others of the wheels, a source of power common to both braking mechanisms, a manually operable element, a control valve operated by said element for governing power admission to the braking mechanisms, and a reducing valve directly responsive to the source of power as governed by the control valve, said reducing valve being independent of the control valve and compelling constant differential braking efforts on the respective braking mechanisms.

2,042,393
COLORED CELLULOSE MATERIAL
Henry Dosne, Mulhouse, France
No Drawing. Original application July 17, 1933, Serial No. 680,897. Divided and this application April 30, 1934, Serial No. 723,276. In Germany August 19, 1932
4 Claims. (Cl. 18—54)

1. A process for manufacturing colored cellulose material, which consists in adding to an ammoniacal copperoxide cellulose solution in any phase previous to coagulation a solution of an ester-salt of a leuco vat dyestuff, performing the coagulation in known manner and developing the dyeing in the regenerated cellulose by acid oxidation.

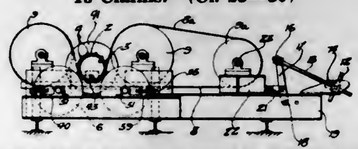
2,042,394
ART OF PURGING AND RECTIFYING OIL IN REFRIGERATOR SYSTEMS
Norman H. Gay, Los Angeles, Calif.
Application February 5, 1934, Serial No. 709,864
20 Claims. (Cl. 62—115)

1. In a refrigerating plant including a compressor, a condenser and an evaporator connected in circuit, a heat exchanger disposed between the condenser and evaporator to cool the liquid refrigerant, and means for withdrawing a mixture of oil and refrigerant liquid from the evaporator to the heat exchanger and volatilizing the



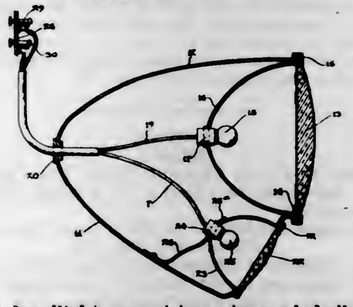
refrigerant liquid therein to produce the said cooling effect thereof.

2,042,395
CENTRIFUGAL MOLDING AND LINING OF PIPES AND THE LIKE
Charles Cyril Halkyard, Melbourne, Victoria, Australia, assignor to Hume Pipe Company (Australia) Limited, Melbourne, Australia
Application May 26, 1934, Serial No. 727,818
In Australia April 16, 1934
15 Claims. (Cl. 25—30)



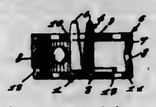
1. In apparatus for the centrifugal molding and lining of pipes and the like, the combination of endless supporting and driving bands adapted to support and rotate the pipe or mold during part of the molding or lining process, supplementary supports adapted to take the weight of the pipe or mold from said endless bands during another stage of said process and means for imparting a pronounced jolting or concussional motion to the pipe or mold whilst it is carried upon said supplementary supports and is rotated by said endless bands.

2,042,396
HEADLIGHT
Robert J. Hicks, Rochester, N. Y.
Application August 28, 1935, Serial No. 38,313
2 Claims. (Cl. 240—41.2)



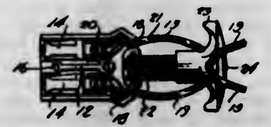
2. A headlight comprising a tapered shell open at the front end and provided with a relatively small lateral opening, a main reflector of the size of the full front end of the shell and fitting the same, an auxiliary side reflector located exteriorly of the main reflector in rear of the front edge thereof, light sockets axially of said reflectors, main and auxiliary lenses fitting the reflectors and supported by the same, the auxiliary lens being located at one side and in rear of the main lens and the auxiliary reflector and auxiliary lens being arranged to direct light rays downwardly, laterally and forwardly at an inclination to illuminate the area at the side and in advance of the vehicle, means located at the lateral opening and interiorly of the shell and forming a seat for the auxiliary lens to support the same and the reflector in their inclined position, and a spring mounted within the shell and having a slotted end engaging the auxiliary reflector and straddling the light socket thereof for holding the auxiliary reflector and the auxiliary lens on the said seat.

2,042,397
HAIR CURLER
Ivan M. High and Edward G. Kimmell, Keyser, W. Va.
Application April 8, 1935, Serial No. 15,328
2 Claims. (Cl. 132—40)



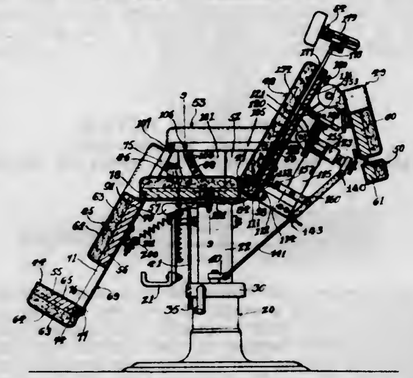
1. A hair curler comprising a peg bifurcated to form tapering prongs between which is adapted to be positioned the ends of hair of a lock of hair with the lock wound upon said peg to form a curl therein, a plate integral with said peg and having the latter arranged centrally thereof, a cover to enclose the hair wound upon the peg and including an end wall and an annular wall having a rabbeted portion to frictionally engage the plate, said end wall of the cover having an opening to permit the peg to extend therethrough with the prongs of the latter frictionally contacting the walls of the opening, said end and annular walls of the cover having a series of openings to permit air to circulate through the cover and against the hair wound on the peg, said annular wall of the cover having slots any one of which is adapted to permit the lock of hair to extend through said cover.

2,042,398
ELECTRIC CONTACT PLUG
Charles L. Hile, Louisville, Ky., assignor of one-half to William Ruedeman, Louisville, Ky.
Application April 19, 1935, Serial No. 17,343
2 Claims. (Cl. 173—332)



1. In an electric contact plug of the character described, a plug body formed of sections having spacer ribs and ventilator openings therein, a pair of contacts therein, a tubular plug puller attached to one end thereof and including a coil spring having one end anchored to the body and a transversely extending puller head at its outer end, the puller head having an opening extending transversely thereof, said plug puller being in open communication with the plug body to effect ventilation of the latter and conductor wires attached to the contacts and passing from the plug body in spaced relation to each other and at opposite sides of the plug puller and freely passing in juxta-posed relation through the transverse opening in the outer end of the puller head.

2,042,399
COMBINED CHAIR AND TABLE
Edward D. Holme, St. Joseph, Mo., assignor to Edward D. Holme, Jr., St. Joseph, Mo.
Application June 12, 1934, Serial No. 730,306
6 Claims. (Cl. 155—29)



1. In a convertible chair and table structure for the use of physicians composed of a plurality of relatively movable sections comprising a foot rest, a seat, a leg rest intermediate said foot-rest and seat, a series of articulated rests beyond said seat, and a pair of side members on opposite sides of said seat spanning a portion thereof and a portion of said series of articulated rests; said series of articulated rests comprising a forward rest and a rear rest, means for pivotally connecting said rests whereby said rear rest may be swung downwardly with respect to said forward rest, each of said rests having means for receiving and detachably connecting thereto a head rest; a frame for supporting said leg rest, means for pivotally connecting said foot rest to the forward extremity of said frame below said leg rest, means for pivotally connecting the forward part of said seat to an intermediate portion of said frame above said leg rest, and means for pivotally connecting the rear extremity of said frame to the forward ends of said side members; pivotal connections between the forward end of said series of articulated rests and the rear portions of said seat and said side members, whereby an angular disposition between said frame and said seat and side members form a chair and a co-planar disposition forms a table; latching means associated between said seat and said side members for retaining said structure in chair or table formation; and a support for said chair and table structure comprising a hollow pedestal and a standard attached at its upper end to the bottom of said seat and reciprocably and rotatably mounted within said pedestal.

2,042,400
OPTICAL CLASP
Victor R. Hon, Deming, N. Mex.
Application August 14, 1934, Serial No. 739,792
1 Claim. (Cl. 88—41)

In spectacles, a lens frame having swinging temple bars which are hingedly connected to

the frame and which bars, at their hinged ends are beveled to contact with beveled surfaces on the frame when the temple bars are swung to open position, and each bar, at its hinged end has a tapered socket, and a metal spring clamp having a rounded end which merges into a com-



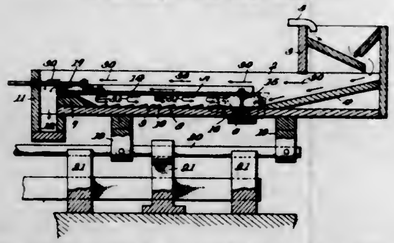
paratively thick tapered tongue that is designed to be received and held in the socket, and the outer wall between the tongue and the said round end of the clamp being disposed at an angle for contact with the said beveled end of the frame.

2,042,401
LOG SPLITTING DEVICE
Lawrence Hult, Reseda, Calif.
Application September 6, 1934, Serial No. 742,958
1 Claim. (Cl. 102—6)



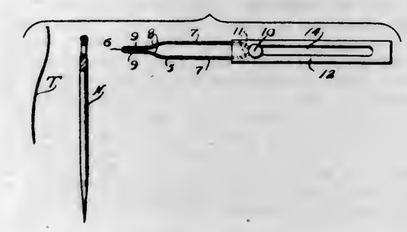
In a device of the character described, a tubular member having a wedge-shaped end at one end thereof and a head formed at the opposite end thereof, ports formed in said tubular member, means for driving said tubular member into a log, means for packing said tubular member and said ports with an explosive compound comprising a ram rod slidable in the bore of said tubular member, means for retaining said ram rod in adjusted position in said bore and in contact with the explosive charge, and means carried by said ram rod for exploding said charge.

2,042,402
CONCENTRATOR
Ira B. Humphreys, Denver, Colo.
Application February 8, 1933, Serial No. 655,817
8 Claims. (Cl. 209—440)



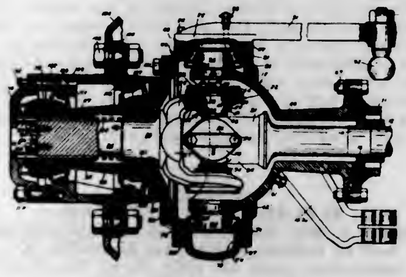
1. An improved concentrator, comprising a horizontally disposed material receiving box mounted for longitudinal reciprocation, a material feed means at the head end of the box, a concentrates collection and discharge means adjacent the head end of the box, a tailings discharge at the foot end of the box, a flat grid extending across said box and positioned substantially parallel to and in separated relation to the box bottom but below the pulp level in the box and suitably supported to permit longitudinal movement of the grid, means to impart reciprocation to the box and means to impart reciprocation to the grid, and said reciprocating means constructed to impart a quick return motion to the grid and box respectively and to impart said quick return to said members in opposite directions.

2,042,403
NEEDLE THREADER
Andrew Hrivnák, Cleveland, Ohio
Application February 27, 1935, Serial No. 8,565
1 Claim. (Cl. 223—99)



A needle threader comprising a hollow handle having parallel side walls, said walls having longitudinally extending slots therein, a double headed button having the shank portion extending through the slots and slidable therein, a thin gage wire bent upon itself with the portions adjacent the bight being parallel and adjacent each other, the remaining portions of the wire being further spaced apart and parallel, with the free ends thereof secured to the shank portion of the button, the wire and handle being relatively proportioned whereby the wire may be entirely confined in the handle.

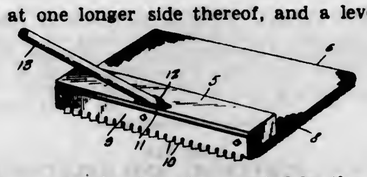
2,042,404
STEERING WHEEL DRIVE FOR VEHICLES
Beverly W. Keese, Oshkosh, Wis., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application April 4, 1934, Serial No. 719,028
8 Claims. (Cl. 180—43)



1. In a steering wheel drive, a wheel spindle, a vehicle axle to which said spindle is pivoted for steering movements, a universal joint, means for driving said universal joint, a driving connection from said universal joint to a road wheel rotatably carried by said spindle, and positive adjusting means in said driving connection for drawing said universal joint toward the road wheel to properly position the joint with respect to the pivotal axis of said spindle.

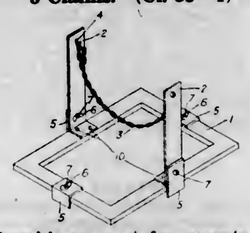
2,042,405
GOLF GREEN SWEEP
Peter E. Knudson, Hettinger, N. Dak.
Application June 4, 1935, Serial No. 24,953
2 Claims. (Cl. 55—32)

2. A sweep of the character described, comprising a flexible fibrous mat, a stock fixed to said mat at one longer side thereof, and a leveling,



cutting and pulverizing bar carried by the stock and confronting the mat.

2,042,406
SUPPORT FOR POPCORN POPPERS
Leo H. Kuehn and Herman W. Fritz, Jr., Royal Oak, Mich.
Application October 24, 1935, Serial No. 46,562
8 Claims. (Cl. 53—4)



1. A swingable support for receptacles suitable for popping popcorn, the support comprising a portable openwork base, two spaced uprights attached to the base, and a flexible swingable supporting member attached adjacent the upper ends of the uprights.

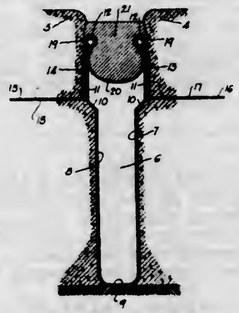
2,042,407
DRAIN CLEANER
Roy G. Kugelman, Portsmouth, Ohio
Application August 13, 1931, Serial No. 556,855
15 Claims. (Cl. 15—104.30)



1. In a drain cleaner, a cleaning implement, means to feed said implement predetermined lengths, means to rotate the implement while being fed, means to guide the implement while being rotated and fed, and means in the cleaner to store the implement.

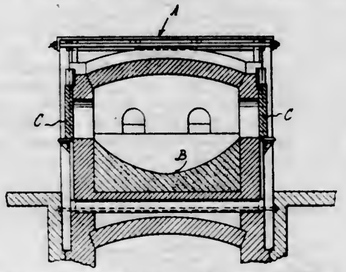
14. A drain cleaner including a casing circular in cross section, a resilient snake engageable in the casing to form coils expanded into intimate engagement with the casing wall, and a tubular guide member for the snake mounted on and communicating with the casing, the guide member being substantially perpendicular to the plane of the coils and substantially central of the latter.

2,042,408
EXPANSION JOINT
Albin J. Lawrence, Chicago, Ill., assignor to James H. Jacobson, Chicago, Ill.
Application November 9, 1934, Serial No. 752,218
3 Claims. (Cl. 94—18)



1. A seal for closing the space intervening between the ends of adjoining concrete sections, said seal comprising two elements, namely an expansion strip and a plastic filler, the expansion strip consisting of a pair of side walls joined together to form an expansible fold, anchors extending therefrom and affixed to each of said concrete sections, a pair of substantially cylindrical beads joining said walls with said anchors, said beads extending into the space between the walls and over and above the expansible fold, and said plastic filler being placed within the fold and extending both above and below the beads and further indented to receive the beads and thereby retained in place and against accidental displacement.

2,042,409
METHOD OF CASTING METALS
Albert Wood Morris, Springfield, Mass.
Application December 22, 1933, Serial No. 703,568
5 Claims. (Cl. 22—200)



1. The method of casting high melting point metals which consists in continuously operating a furnace to maintain a substantially constant supply of metal at the right casting temperature and then casting in successive cycles by repeatedly inserting a mold in the furnace, pouring the metal into the mold while in the furnace and entirely subjected to furnace heat and atmosphere, and removing the filled mold from the furnace, all without interrupting the furnace operation.

2,042,410

SULPHONIC ACID BODIES AND PROCESS OF MAKING SAME

Joseph O. Peirce, Cincinnati, Ohio, assignor to Kay-Fries Chemicals, Inc., West Haverstraw, N. Y., a corporation of New York

No Drawing. Application January 21, 1935, Serial No. 2,749
19 Claims. (Cl. 260—99.12)

1. The process for preparing a sulphonated hydrocarbon from an oxidized hydrocarbon which comprises reacting said oxidized hydrocarbon at moderate temperatures with concentrated sulphuric acid, elevating the temperature of the reaction mass to between 50° and 100° C., maintaining said elevated temperature, and then separating the sulphonated hydrocarbon from the unreacted hydrocarbon.

2,042,411

PROCESS OF DECOMPOSING FATS OR OILS INTO FATTY ACIDS AND GLYCERINE

Joseph O. Peirce, Cincinnati, Ohio, assignor to Kay-Fries Chemicals, Inc., West Haverstraw, N. Y., a corporation of New York

No Drawing. Application January 21, 1935, Serial No. 2,750
10 Claims. (Cl. 87—4)

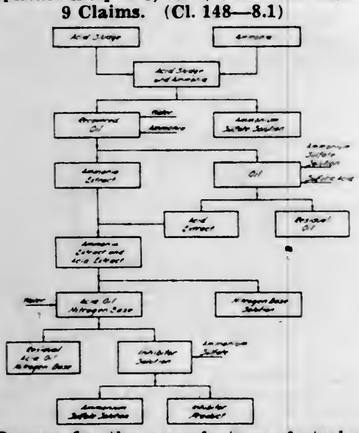
1. The process for decomposing oils and fats to produce fatty acids and glycerine which comprises hydrolyzing said oils and fats with water in the presence of a small amount of a fat splitting catalyst including a sulfonated hydrocarbon polymerized by subjecting the sulfonation products to an elevated temperature treatment for several hours.

2,042,412

PROCESS FOR THE PREPARATION OF INHIBITORS

Jan D. Ruys and Russell L. Kittle, Pittsburg, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware

Application April 3, 1935, Serial No. 14,544
9 Claims. (Cl. 148—8.1)



9. Process for the manufacture of steel pickling inhibitor from petroleum acid sludge comprising substantially neutralizing the acid content of said sludge, adding a base to the oily layer produced removing the resulting basic extract, adding acid and a salt of the alkali earth metals including ammonium, removing the acid extract produced, mixing said basic extract with said acid extract, removing the resulting acid oil nitrogen base, hydrolyzing said acid oil nitrogen base whereby a layer of inhibitor solution is produced and thereafter separating inhibitor from said solution by means of a suitable salt.

2,042,413

SOLVING, SOFTENING, AND GELATINIZING AGENTS

Walther Schrauth, Berlin-Dahlem, Germany, assignor, by mesne assignments, to "Unichem" Chemikalien Handels A.-G., Zurich, Switzerland, a corporation of Switzerland

No Drawing. Application August 20, 1932, Serial No. 629,756. In Germany August 20, 1931
7 Claims. (Cl. 106—40)

1. A plastic material comprising a cellulose ester and as a softening and plasticizing agent an ether of two alcohols, one being an alcohol of the group consisting of dodecyl, cetyl, oleyl, dihydroxy-octadecane, dihydroxy-octadecene and naphthenic alcohol, and the other being an alcohol of the group consisting of ethyl, butyl, glycol, glycerol, dodecyl, cetyl, oleyl, dihydroxy-octadecane, dihydroxy-octadecene and naphthenic alcohol.

2,042,414

PROCESS FOR PREPARING DIMETHOXY-DIBENZANTHRONE

Raymond J. Sobatzki, Philadelphia, Pa., and John C. Kinahan, Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application December 14, 1934, Serial No. 757,468. Renewed October 26, 1935
2 Claims. (Cl. 260—61)

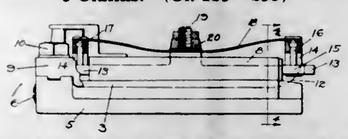
1. In the process for preparing dimethoxy-dibenzanthrone wherein dihydroxy-dibenzanthrone is methylated in nitrobenzene with dimethyl sulfate, the step which comprises carrying out the methylation in the presence of an amine.

2,042,415

LOOM TEMPLE

Wallace I. Stimpson and Fredric E. Douglas, Hopedale, Mass., assignors to Draper Corporation, Hopedale, Mass., a corporation of Maine

Application August 14, 1935, Serial No. 36,177
6 Claims. (Cl. 139—295)



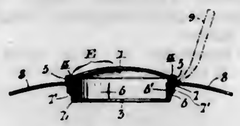
1. In a loom temple adapted to laterally stretch cloth as it is being woven, a pair of cloth-engaging rollers having their axes parallel and on the same side of the cloth, said rollers being spaced apart longitudinally of the cloth, a pin parallel to said rollers, but on the opposite side of the cloth therefrom, a roller rotatably mounted on said pin and engaging the cloth between the rollers of said pair of rollers, means supporting said pin and roller for movement in a direction normal to the cloth and in a direction longitudinally of the cloth, said means holding said pin against rotation, vertically slidable plungers engaging the ends of said pin beyond the ends of the roller thereon, and spring means engaging said plungers for urging said roller toward said pair of rollers and into equal cloth-gripping relation with each of the rollers of said pair.

2,042,416

EMBLEM

Fred Weindel, Jr., Allentown, Pa., assignor to L. F. Grammes & Sons, Inc., Allentown, Pa., a corporation of Maryland

Application October 3, 1934, Serial No. 746,629
4 Claims. (Cl. 40—20)



1. An emblem device comprising a body portion with an axially apertured base at one end and a tubular side wall, an outwardly projecting flange at the other end of the body portion, an ornamental closure for the body portion having a perimetric portion inwardly lapped over said body portion outwardly projecting flange, and the tubular side wall of the device having circumferentially spaced outwardly and longitudinally extending resilient portions, the maximum outward extension of each of said resilient portions being intermediate the ends thereof, and said device being adapted for insertion into a suitable orifice in a supporting member with the lapped-over closure portion serving to limit insertion and the resilient portions frictionally engaging the inner wall of the supporting member orifice.

2,042,417

ROLLER BEARING

Harry E. Wise, Canton, Ohio, assignor of ninety one-hundredths to Alfred F. Curtis, Alliance, Ohio

Application June 18, 1932, Serial No. 617,922
10 Claims. (Cl. 29—84)



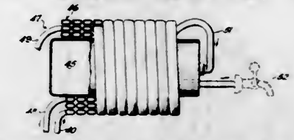
1. A tapered roller bearing comprising inner and outer races with roller retaining ribs, rollers between the races and between the ribs, and a cage, said cage comprising two parts each consisting of an annulus with axially extending fingers shaped to conform to the surfaces of the rollers, one annulus lying within the circle of centers of the large end faces of the rollers and arranged on that side of the bearing at which the large end faces of the rollers are located with its fingers substantially passing through the circle of centers of the small end faces of the rollers, the other annulus circumscribing the circle of centers of the small end faces of the rollers and arranged on that side of the bearing at which the small end faces of the rollers are located with its fingers substantially passing through the circle of centers of the large end faces of the rollers, the ends of the fingers on each annulus being secured to the other annulus.

2,042,418

REFRIGERATED BEVERAGE DISPENSING APPARATUS

Joseph Askin, Buffalo, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y.

Application March 29, 1933, Serial No. 663,397
1 Claim. (Cl. 62—141)



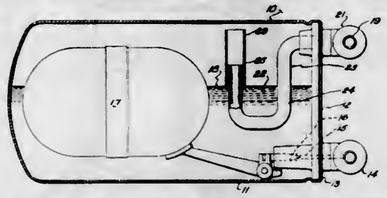
Refrigerant cooling and dispensing apparatus comprising, in combination with a source of fluid refrigerant and a source of liquid to be cooled, a refrigerant coil and a liquid coil, the said coils being wound in helical form with the convolutions thereof in intimate thermal contact at opposed points, a liquid receiving cylinder disposed within said coils, the wall of said cylinder being in intimate thermal contact with the innermost convolutions of said refrigerant coil, certain convolutions of said refrigerant coil being disposed exterior of said cylinder and said innermost convolutions, said exterior convolutions being connected to said source of fluid refrigerant, and said liquid coil being connected at one end to said cylinder.

2,042,419

OIL RETURN DEVICE FOR FLOODED EVAPORATORS

Joseph Askin and Joseph D. Lear, Buffalo, N. Y., assignors to Fedders Manufacturing Company, Inc., Buffalo, N. Y.

Application November 3, 1933, Serial No. 696,521
7 Claims. (Cl. 62—126)



1. In a refrigerating apparatus comprising a header having an inlet for admitting oil and refrigerant for gravitational separation into an oil layer and refrigerant body, means for maintaining a substantially constant liquid level in the header below the top thereof, a suction tube mounted within the header and formed with a looped portion depending into the liquid and having its open extremity terminating in close proximity to the top of the header, and a siphon device communicating with the oil layer in the header and entered in said tube at a point below said open extremity thereof and adjacent to the liquid level.

2,042,420

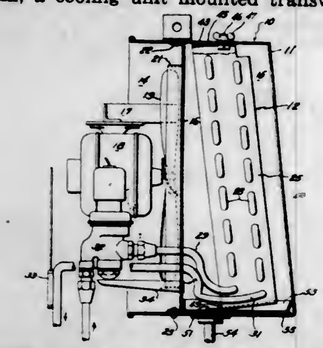
ROOM COOLER

Joseph Askin, Buffalo, N. Y., assignor to Fedders Manufacturing Company, Inc., Buffalo, N. Y.

Application October 31, 1934, Serial No. 750,831
10 Claims. (Cl. 62—103)

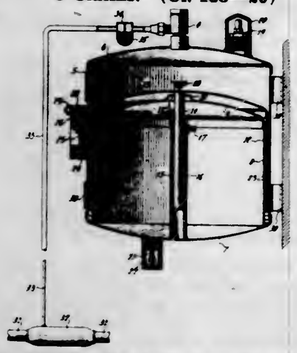
2. A heat exchange device comprising a cabinet having a passage therethrough and being adapted to be mounted with the passage arranged horizontally, a partition disposed transversely in the cabinet and dividing the passage

therein into a fan compartment and a cooling compartment, said cabinet at the bottom of the cooling compartment therein cooperating to form a tank, a cooling unit mounted transversely in



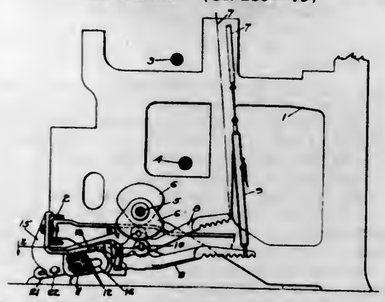
the cooling compartment and resting in said tank, and a motor driven fan in said fan compartment, said partition having an enlarged opening for receiving and directing the air stream from the fan to the cooling unit.

2,042,421
ELECTRICAL INSTALLATION
Ralph W. Atkinson, Perth Amboy, and Albert M. Hagen, Woodbridge, N. J., assignors to General Cable Corporation, New York, N. Y., a corporation of New Jersey
Application December 12, 1934, Serial No. 757,242
8 Claims. (Cl. 138—29)



1. The combination with a length of sheathed, oil-filled cable, of means for preserving the integrity of the cable insulation under changing conditions comprising a fluid-tight container, an inverted cup shaped member smaller and of less length than the container within and connected fluid-tight at its open end to the lower end of the container, said cup shaped member having a flanged opening through its closed end, a second inverted cup shaped member within the container having its wall extending downwardly into the annular space formed between the first mentioned cup shaped member and the wall of the container, means for supplying gas under pressure to the container on one side of the second mentioned cup shaped member, means for supplying oil to the container on the other side of the second mentioned cup shaped member, means connecting the container with the cable permitting the flow of oil therebetween, and a body of liquid heavier than the oil within the said annular space constituting a seal between the gas and the oil while permitting movement of the second mentioned cup shaped member as the volume of oil within the container varies.

2,042,422
SHEDDING MECHANISM FOR LOOMS
Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application December 21, 1935, Serial No. 55,638
10 Claims. (Cl. 139—79)



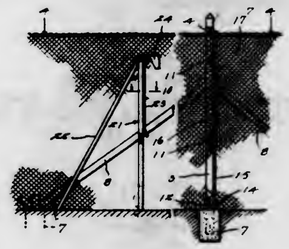
1. In a loom, a harness frame, a harness treadle connected with said harness frame for operating the latter, a cam for operating said treadle, and means constituting an adjustable fulcrum for said treadle, said means consisting of a gear member having teeth extending transversely of the treadle and meshing with rack teeth formed on the latter, means supporting said gear member for adjustment longitudinally of the treadle along said rack, and means for fixing said gear in adjusted position.

2,042,423
PROCESS FOR THE MANUFACTURE OF DYESTUFFS OF THE ANTHRAQUINONE SERIES
William Dettwyler, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 23, 1935, Serial No. 41,773
5 Claims. (Cl. 260—17)

1. In the process for preparing sulfur-containing dyestuffs of the anthraquinone series, wherein a beta-methyl-anthraquinone is fused with sulfur in the absence of added solvents, the step of freeing the final product from residual sulfur which comprises heating the crude fusion product in sulfuric acid at a temperature sufficiently high to put the sulfur in a molten state, cooling the mass to solidify the sulfur, and filtering the solution, the acid concentration being maintained sufficiently high to retain the dyestuff in solution during the filtering operation.

2,042,424
GAME
Ed Estes, Uvalde, Tex., assignor of one-half to Brandon Janes, Uvalde, Tex.
Application April 4, 1933, Serial No. 664,432
2 Claims. (Cl. 273—95)

1. Apparatus for playing a game of the character described with a ball and bat, comprising an enclosed alleyway, a plurality of partition-like structures disposed at spaced intervals along said alleyway and extending transversely thereof from one side to and terminating short of the other side whereby to provide passages therepast, each of said structures having an opening constituting a target toward which a ball is batted by a player, a guard partition extending from the other side of the alleyway and disposed forwardly of each of said passages and transversely of the alley-way to prevent a driven ball passing through the passage, a position indicator at the rear of each of said first partitions from which



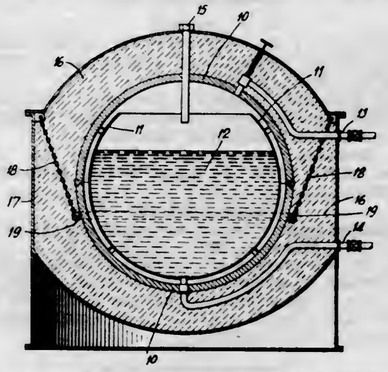
a player bats the ball to the next target opening, a back stop structure disposed rearwardly of each of said first mentioned partitions to limit the flight of a ball passing through the opening of the adjacent partition, and illuminating means upon each of said back stops disposed to illuminate the forward face of the same whereby the aperture in the adjacent partition will be clearly distinguished for a player facing the same.

2,042,425
PHOTOLUMINESCENT GLASS
Waldemar Kaufmann, Ludwig Eckstein, and Konrad Rosenberger, Frankfort-on-the-Main, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application July 16, 1935, Serial No. 31,742. In Germany July 21, 1934
6 Claims. (Cl. 106—36.1)

1. A glass containing tin as a metal exciting luminescence and the acid components of which contain at least 20 per cent. of P_2O_5 said glass being characterized by the fact that when excited by ultra violet radiation of short wave length it gives a particularly high yield of visible light.

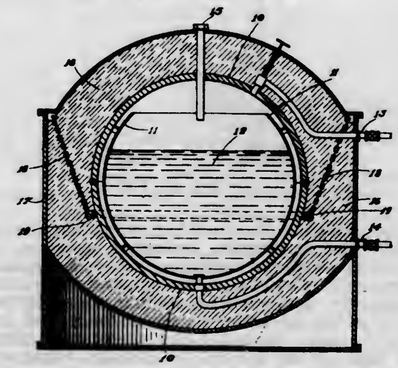
2,042,426
APPARATUS FOR USE AT LOW TEMPERATURES
Augustus Braun Kinzel, Flushing, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application March 11, 1933, Serial No. 660,365
4 Claims. (Cl. 220—9)

4. An implement for use in the handling of a liquefied gas comprising a containing vessel capable of resisting stress from high pressure and/or from shock at a temperature below 223° Kelvin and made of parts fabricated together, which parts are of an alloy of the three-component variety; the first component forming a ductile, non-ferrous metallic matrix taken in an amount at least 90% by weight of the whole and chosen from the group consisting of aluminum, aluminum bronze, magnesium, copper, and brass; the second component being a strengthening agent dispersed in the first and chosen from the group consisting of beryllium, boron, and silicon; the third component being a relatively small amount of an element imparting slip interference and chosen from the group consisting of chromium, nickel, iron, and manganese; the several components composing said alloy being so combined



and compounded as to impart to the alloy when at said low temperature the properties of relatively great mechanical strength, relative absence of internal stress, and a relatively high Izod value, in comparison with such properties of the alloy when at room temperature.

2,042,427
APPARATUS FOR USE AT LOW TEMPERATURES
Augustus B. Kinzel, Flushing, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Original application March 11, 1933, Serial No. 660,365. Divided and this application February 5, 1934, Serial No. 709,718
1 Claim. (Cl. 220—9)



Apparatus for use in storing, transporting and dispensing liquid oxygen comprising a relatively thick-walled pressure vessel having a heat insulating envelope and support therefor, and subject to a temperature in the neighborhood of 90° K., said vessel being made of sections joined together in a fabricated whole and of an alloy which consists of copper taken in an amount in excess of 90% by weight of the whole, the balance being beryllium; the copper and beryllium being so combined and compounded as to impart

to the alloy relatively great mechanical strength, substantial absence of internal stress, and a relatively high Izod value when at said low temperature in comparison with such properties at room temperature.

2,042,428

PROCESS FOR CONVEYING SOLID SUBSTANCES THROUGH CHANNELS, PIPES, AND THE LIKE

Karl Krekeler, Hamburg, Germany, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware

No Drawing. Application January 14, 1935, Serial No. 1,756. In Great Britain January 13, 1934

7 Claims. (Cl. 302—66)

(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)

1. In the process of conveying abrasive solids by means of a conduit, the step of preventing damage to the conduit by mixing said solids with water and a small quantity of an emulsifiable oil to form a fluid mixture.

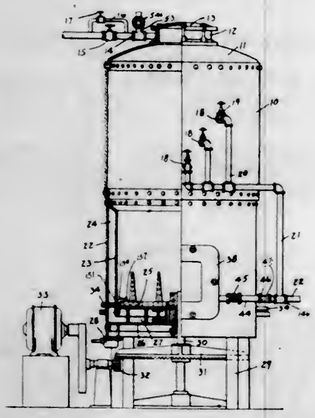
2,042,429

PRODUCT FROM ORDINARY GARBAGE AND PROCESS OF PREPARING SAME

Ervin W. McCullough, Indianapolis, Ind.

Application March 10, 1924, Serial No. 698,106

5 Claims. (Cl. 99—149)



1. A garbage treatment process capable of commercial application including draining the ordinary run of city garbage, cooking the drained garbage by heat and steam, cooling the cooked garbage by adding clean cooling water thereto for stopping ebullition in the garbage and settling the same, decanting the supernatant grease and liquor from the cooked garbage, expressing from the cooked garbage the remaining portion of the free water content thereof and while stationary, and thereafter simultaneously agitating and mechanically disintegrating and drying the cooked garbage to substantial dryness to form a dried garbage tankage including a fluffy-like edible product, which process is characterized by the additional step of separating the cooked, dried and disintegrated garbage according to size, and then pneumatically separating the fluffy-like product from the fine remainder of the first separation.

2,042,430

PREGNANCY ANTIGEN

Benjamin Gruskin, Philadelphia, Pa., assignor to Lakeland Foundation, Chicago, Ill., a corporation of Illinois

No Drawing. Application June 18, 1934, Serial No. 731,117

9 Claims. (Cl. 167—78)

1. An antigen specific to the determination of pregnancy by intradermal injection comprising a neutralized, inorganic alkaline hydroxide extract of placental tissue.

2,042,431

MOTOR VEHICLE

George H. Hooper, Detroit, Mich.

Application July 31, 1934, Serial No. 737,849

6 Claims. (Cl. 296—137)



1. In a vehicle top construction, in combination, a roof frame provided at spaced intervals with downwardly opening slots, the walls of which define a relatively wide portion and converge at their lower edges to form relatively narrow openings, a headlining provided with folds occupying said slots, narrow elongated, relatively flexible attaching elements each provided with a corded insert to form a beaded edge adapted to occupy one of said folds and to be received within the wide portion of the adjacent slot, a wider flat insert in the lower portion of said element adapted to be disposed horizontally and to provide a neat covering strip for concealing the folds of said headlining.

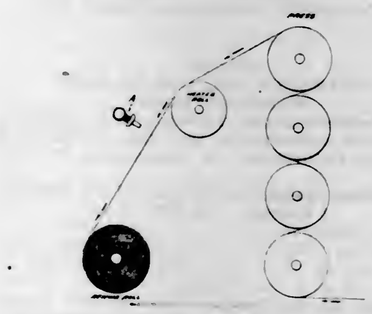
2,042,432

METHOD OF PRINTING

Francis Jack Jeuck, Battle Creek, Mich., assignor to The International Printing Ink Corporation, New York, N. Y., a corporation of Ohio

Application December 27, 1935, Serial No. 56,303

8 Claims. (Cl. 101—416)



5. The method of printing which comprises applying an ink containing a volatilizable, inflammable liquid to a traveling web, heating the web at a point in its travel to volatilize said liquid, and igniting the vapor emerging from the ink on the web, and snuffing out the flame by winding up the web.

2,042,433

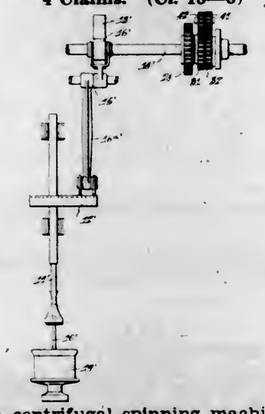
SPINNING CENTRIFUGE

Robert Kalkbrenner, Breslau, and Hermann Tœhl, Wuppertal-Elberfeld, Germany, assignors to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

Application December 20, 1932, Serial No. 648,026

In Germany December 21, 1931

4 Claims. (Cl. 18—8)



4. In a centrifugal spinning machine, a spinning pot, a thread guide for leading thread into said pot, means to reciprocate said thread guide, and means for varying the speed of reciprocation of said thread guide comprising a drive shaft, a disk secured to said shaft, a sleeve rotatably mounted on said shaft, differential gearing mounted on said sleeve, a slide revolved and reciprocated by said differential gearing, said slide having means secured thereto for riding in an eccentric slot in said disk whereby said disk is rotated at varying speeds.

2,042,434

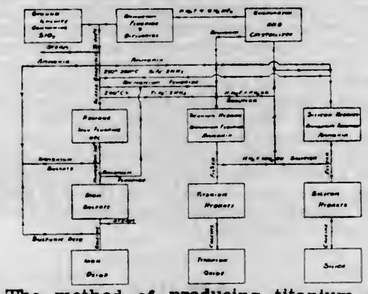
MANUFACTURE OF TITANIUM COMPOUNDS

Svend S. Svendsen, Madison, Wis., assignor, by mesne assignments, to Burgess Titanium Company, a corporation of Delaware

Application May 27, 1932, Serial No. 614,043

In Norway June 9, 1931

43 Claims. (Cl. 23—202)



1. The method of producing titanium oxide from a titanium containing material which comprises heating said material with a reactive fluoride to form a volatile titanium tetrafluoride compound, vaporizing said titanium tetrafluoride compound and contacting said vaporized compound with an aqueous ammoniacal solution.

43. The cyclical process for treating titanium-bearing ores containing substantial quantities of iron, which comprises treating said ore with ammonium fluoride to form ammonia and fluoride compounds of titanium and iron, separating said compounds, contacting said titanium fluoride compound with ammonia released in said initial reaction to thereby form titanium hydrate and ammonium fluoride, separating said hydrate from said ammonium fluoride, treating said iron fluoride in the presence of water vapors to form iron oxide and hydrofluoric acid, contacting said hydrofluoric acid with ammonia formed in said initial reaction to thereby form ammonium fluoride, and treating further quantities of ore with said recovered ammonium fluoride.

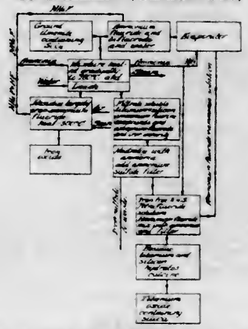
2,042,435

TREATMENT OF TITANIUM-BEARING MATERIALS

Svend S. Svendsen, Madison, Wis., assignor, by mesne assignments, to Burgess Titanium Company, a corporation of Delaware

Application September 27, 1934, Serial No. 745,753

45 Claims. (Cl. 23—202)



1. In the production of titanium products from titanium-bearing materials, forming an ammonium-titanium fluoride compound and effecting solution thereof in a non-alkaline solution of ammonium fluoride.

18. In the preparation of purified titanium compounds, effecting solution of titanium fluoride compounds in an aqueous liquid, supplying ammonium fluoride therein, adding ammonia to the solution to bring it to substantial neutrality, adding a soluble sulfide to said solution to precipitate dissolved iron therefrom, and subsequently mixing ammonia with said solution to precipitate iron-free titanium compounds therefrom.

45. The cyclical process for treating titanium-bearing ores containing substantial quantities of iron which comprises heating said ore with ammonium fluoride in the presence of water and continuing such heating until the reaction is completed without appreciable volatilization of the fluoride formed by the reaction, leaching the resulting reaction product with water, treating the soluble portion with ammonia formed in the initial reaction under such conditions that titanium hydrate is formed, separating the residual liquor containing ammonium fluoride from said hydrate, heating the residue from the first leaching operation and containing iron ammonium fluoride to a temperature sufficient to volatilize ammonium fluoride from said double fluoride, heating the residual iron fluoride with steam and air at elevated temperatures to form iron oxide and hydrofluoric acid, contacting said hydrofluoric acid with ammonia formed in said initial reaction to thereby form ammonium fluoride, and treating further quantities of ore with said recovered ammonium fluoride.

2,042,436

PURIFICATION OF TITANIUM COMPOUNDS

Svend S. Svendsen, Madison, Wis., assignor to Burgess Titanium Company, Madison, Wis., a corporation of Delaware

No Drawing. Application June 4, 1935, Serial No. 24,820
7 Claims. (Cl. 23—88)

1. In the treatment and purification of titanium compounds, adding a soluble sulfide to a substantially neutral solution of a titanium tetrafluoride, and maintaining the neutrality of said solution to precipitate dissolved heavy metals therefrom.

2,042,437

THREAD AND/OR FABRIC

Joseph I. Taylor, Elizabethton, Tenn., assignor to North American Rayon Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application February 26, 1935, Serial No. 8,306
14 Claims. (Cl. 117—2)

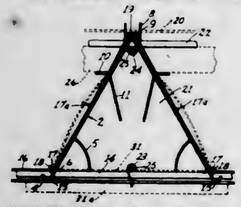
1. In the production of a material or article comprising a combination of rubber or rubber compound with a cellulosic fabric or thread of artificial origin, the steps of extruding a cellulosic solution so as to form a series of threads, twisting the threads, roughening the individual twisted threads so that certain of the filaments thereof are ruptured or broken, twisting a plurality of these threads together by applying a twist opposite to that first applied, treating the composite twisted threads so formed with a medium causing shrinkage and imparting elasticity thereto and an agent acting to cause adherence of rubber thereto, and then treating the same with rubber or a rubber compound.

2,042,438

BUILDING CONSTRUCTION

Don William Wells, El Centro, Calif.

Application May 23, 1934, Serial No. 727,092
16 Claims. (Cl. 72—70)



16. In a building construction, a frame member having a pair of connected arms forming an acute angle with each other, with hooks on the ends of said arms, and having sockets in their ends adjacent said hooks to receive a cross bar, the ends of said arms remote from said hooks having tongues struck from the same for securing metal lathing to the inner ends of said frame members.

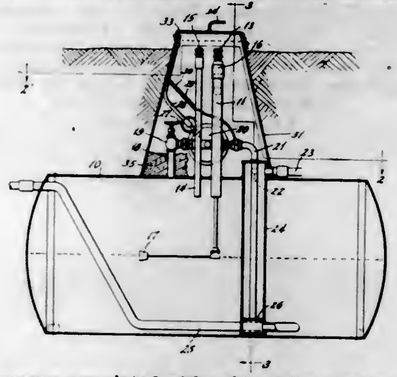
2,042,439

STORAGE AND DISPENSING APPARATUS FOR LIQUEFIED GASES

Loyd J. White, San Antonio, Tex., assignor to Southern Steel Company, a corporation of Texas

Application September 26, 1935, Serial No. 42,337
5 Claims. (Cl. 62—122)

1. In a liquefied gas storage and dispensing plant of the class described, a storage tank; dispensing devices, including a pressure reducing regulator connected to said tank; a service pipe connected to said regulator; and heat exchanging means associated with said service pipe to revaporize any condensed gas therein.

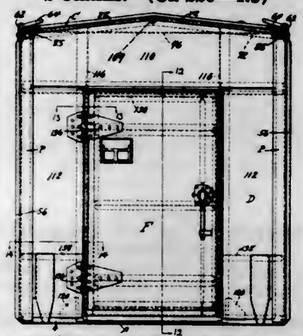


2,042,440

SHIPPING CONTAINER

Victor Willoughby, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application July 22, 1931, Serial No. 552,375
2 Claims. (Cl. 220—1.5)



1. In a container of the kind described comprising a base, side and end walls, side and end plates of angle-shape secured to the walls at the upper portion thereof, the horizontal flanges of said plates extending inwardly, and being formed with spaced marginal slots, internal braces for said side and end plates extending diagonally between the flanges thereof, carlines of angle-shape extending between said plates each having one flange positioned in the slots formed in the plate and another flange extending through the adjacent internal brace and beneath the horizontal flange, and a roof supported by the side and end plates having marginal flanges lapping the vertical legs of said plates.

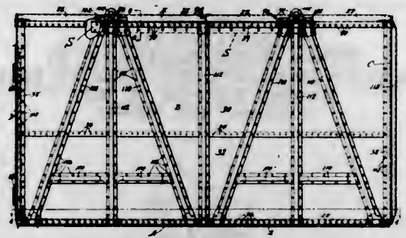
2,042,441

SHIPPING CONTAINER

Victor Willoughby, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a corporation of New Jersey

Application July 22, 1931, Serial No. 552,376
5 Claims. (Cl. 220—1.5)

1. A container comprising connected side walls and end walls, a roof supported by said walls and having marginal flanges overlapping the upper edges of the said walls and constituting side and end plates, a base to which the side and end walls are connected, spaced sets of tension members secured to the side walls and base, compression



members secured to the inner surfaces of the side walls adjacent their upper edges and extending only between the sets of tension members and connected to the latter, and lifting elements to which the tension members and compression members are connected.

2,042,442

SCARF

Elias Buchman, Chicago, Ill., assignor to American Feather Products Corporation, Chicago, Ill., a corporation of Illinois

Application February 24, 1936, Serial No. 65,194
1 Claim. (Cl. 2—91)



A scarf comprising fabric stitched to form a comparatively long and narrow envelope of a length and width sufficient to permit the same to be looped around the neck of a person and worn as a chest protector, said scarf fabric being comparatively closely woven to render the same substantially proof against the penetration of down therethrough, a light, loose, filling of down in the envelope, and stitching extending through the envelope and dividing the same into a plurality of sections for inhibiting movement of down from one part of the scarf to a distant part thereof.

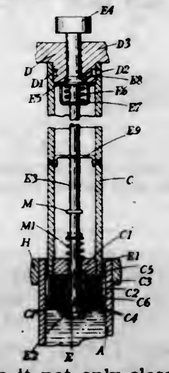
2,042,443

ADJUSTABLE SUPPORTING PILLAR OR THE LIKE

Walter Buckstone, London, England, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York

Application March 13, 1936, Serial No. 68,706
In Great Britain February 4, 1935
9 Claims. (Cl. 248—161)

1. In a vertically adjustable supporting pillar, in combination, a lower pillar part constituting a hydraulic cylinder, and upper pillar part, a piston carried by the upper pillar part and arranged to reciprocate within the lower pillar part, a valve carried by the upper pillar part and held in its closed position by the liquid pressure beneath the piston, a manually operated release device for the valve on the upper pillar part, the said release device also controlling a breather port in the upper pillar part, and a loading spring tending to maintain the release device in a po-



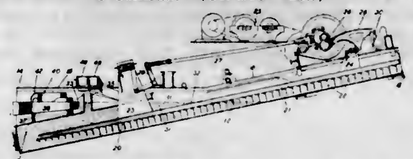
sition in which it not only closes the valve but also the breather port.

2,042,444

CLASSIFIER

Carl E. Carstens, Donald Dyrenforth, and Alexander D. Marriott, Jr., Denver, Colo., assignors to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware

Application October 19, 1933, Serial No. 694,216
5 Claims. (Cl. 209—462)



4. A classifier apparatus having a tank formed with a slanting bottom with sides and an end wall, means for feeding pulp thereto, and mechanical agitating and solids conveying means therein; a cover extending inwardly from said end and side walls forming therewith a covered liquid containable pocket section into which said mechanical element functionally extends; characterized by a conduit structure rising from said pocket section in substantially unrestricted communication therewith through the cover thereof having an overflow defining the liquid level in said tank and adapted to house a column of upwardly flowing liquid and so constructed that no section thereof has a horizontal effective cross-sectional liquid flow area which is substantially less than that of the top portion of said conduit structure, said feeding means arranged to deliver pulp into a section of the tank that is spaced from the lower end of said conduit structure whereby pulp thus fed is compelled to come under the operative influence of said mechanical agitating means and whereby liquid of the pulp is forced by the incoming feed upwardly through said conduit structure carrying therewith to overflow the classified fines in suspension.

2,042,445

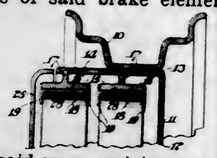
BRAKE

Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania

Application May 27, 1932, Serial No. 613,910
5 Claims. (Cl. 188—79)

1. A brake system comprising, in combination, a drum, a plurality of brake elements axially

spaced on a common axis, cam-receiving means on the ends of said brake elements, cams co-



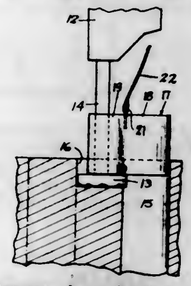
acting with said cam-receiving means whereby to actuate the brake, and means for axially reciprocating said cams.

2,042,446
BOTTLE PACKING METHOD AND MEANS
John L. Ferguson, Joliet, Ill., assignor to J. L. Ferguson Company, Joliet, Ill., a corporation of Illinois
Application March 7, 1932, Serial No. 597,199
6 Claims. (Cl. 206—65)



1. A cushioning device for association with bottles to be packed in containers comprising a member adapted to be associated with either end of a bottle to cushion said bottle from one placed immediately adjacent thereto in a container, said member having concentric seats for the respective bottle ends, said member when applied being substantially flush with the respective bottle end.

2,042,447
QUARRYING TOOL
William Haskel, Brooklyn, N. Y.
Application December 1, 1932, Serial No. 645,196
Renewed December 24, 1935
2 Claims. (Cl. 306—4)



1. A tool for use in a boring operation, comprising a solid cylinder portion arranged to be positioned in a bored hole, and an integral yoke extension on the cylinder for engaging the shank of a drill used in boring an adjacent overlapping hole, said yoke being open at one side whereby the drill and tool are used together without passing the drill through the tool.

DESIGNS

MAY 26, 1936

99,768
DESIGN FOR A LAMP SHADE
Arthur H. White, Cherrydale, Va.
Application April 15, 1936, Serial No. 62,138
Term of patent 7 years



The ornamental design for a lamp shade, as shown and described.

99,769
DESIGN FOR A KNITTED PILE FABRIC
Samuel H. Aibel, Brooklyn, N. Y.
Application May 5, 1936, Serial No. 62,476
Term of patent 3½ years



The ornamental design for a knitted pile fabric substantially as shown.

99,770
DESIGN FOR A KNITTED PILE FABRIC
Samuel H. Aibel, Brooklyn, N. Y.
Application May 5, 1936, Serial No. 62,477
Term of patent 3½ years



The ornamental design for a knitted pile fabric substantially as shown.

99,771
DESIGN FOR A KNITTED PILE FABRIC
Samuel H. Aibel, Brooklyn, N. Y.
Application May 5, 1936, Serial No. 62,478
Term of patent 3½ years



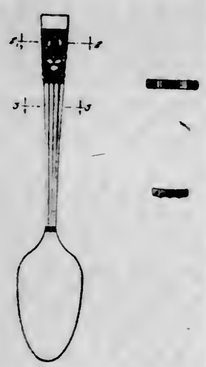
The ornamental design for a knitted pile fabric substantially as shown.

99,772
DESIGN FOR A KNITTED PILE FABRIC
Samuel H. Aibel, Brooklyn, N. Y.
Application May 6, 1936, Serial No. 62,492
Term of patent 3½ years



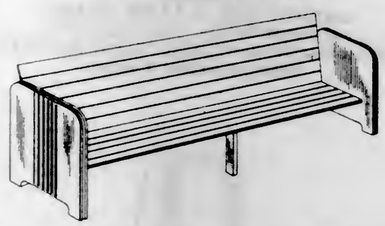
The ornamental design for a knitted pile fabric substantially as shown.

99,773
DESIGN FOR A SPOON OR SIMILAR ARTICLE
Grosvenor N. Allen and Lloyd E. Ressegger, Oneida, and William H. Gerth, New York, N. Y., assignors to Oneida Community, Limited, Oneida, N. Y., a corporation of New York
Application April 9, 1936, Serial No. 62,036
Term of patent 14 years



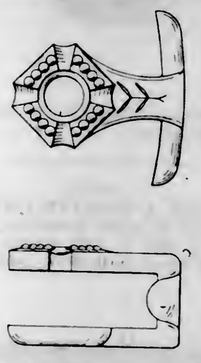
The ornamental design for a spoon or similar article as shown and described.

99,774
DESIGN FOR A BOWLING ALLEY SETTEE
Faber Birren, Chicago, Ill., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application April 10, 1936, Serial No. 62,053
Term of patent 3½ years



The ornamental design for a bowling alley settee as shown.

99,775
DESIGN FOR A LENS STRAP
Samuel E. Bouchard, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application February 25, 1936, Serial No. 61,340
Term of patent 7 years



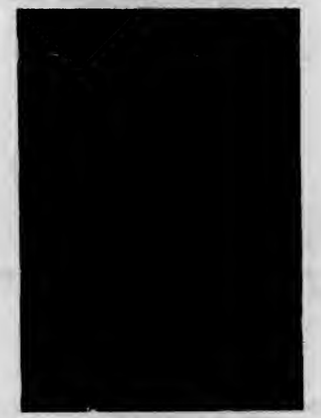
The ornamental design for a lens strap, as shown.

99,776
DESIGN FOR A TEXTILE FABRIC
Oscar J. Cahn, New York, N. Y.
Application February 26, 1936, Serial No. 61,358
Term of patent 3½ years



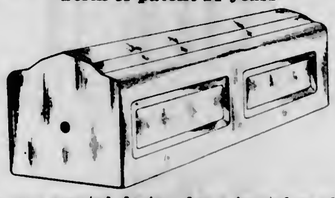
The ornamental design for a textile fabric substantially as shown and described.

99,777
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
William Cleverly, West New York, N. J.
Application May 8, 1936, Serial No. 62,532
Term of patent 3½ years



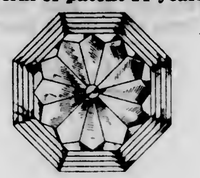
The ornamental design for a textile fabric or similar article as shown and described.

99,778
DESIGN FOR A BURIAL VAULT
Harry Cohen, Galion, Ohio, assignor to The Perfection Steel Body Company, Galion, Ohio, a corporation
Application February 24, 1936, Serial No. 61,331
Term of patent 14 years



The ornamental design for a burial vault, substantially as shown, and described.

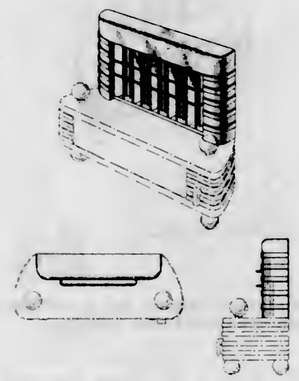
99,779
DESIGN FOR A CRYSTAL OR SIMILAR ARTICLE
Philip Cohn, New York, N. Y.
Application March 27, 1936, Serial No. 61,813
Term of patent 14 years





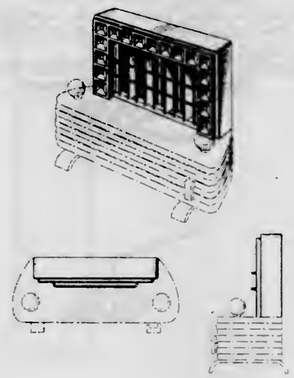
The ornamental design for a crystal or similar article substantially as shown.

99,780
DESIGN FOR A RADIANT HEATER
Robert C. Deigert, Toledo, Ohio, assignor to Utility Gas Appliance Corporation, Columbus, Ohio, a corporation of Ohio
Application March 30, 1936, Serial No. 61,857
Term of patent 7 years



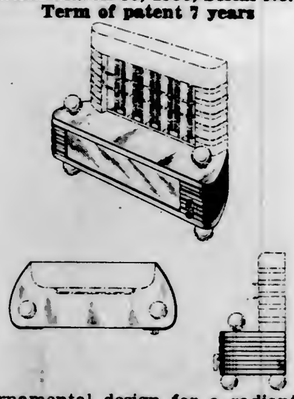
The ornamental design for a radiant heater, substantially as shown and described.

99,781
DESIGN FOR A RADIANT HEATER
Robert C. Deigert, Toledo, Ohio, assignor to Utility Gas Appliance Corporation, Columbus, Ohio, a corporation of Ohio
Application March 30, 1936, Serial No. 61,858
Term of patent 7 years



The ornamental design for a radiant heater, substantially as shown and described.

99,782
DESIGN FOR A RADIANT HEATER
Robert C. Deigert, Toledo, Ohio, assignor to Utility Gas Appliance Corporation, Columbus, Ohio, a corporation of Ohio
Application March 30, 1936, Serial No. 61,859
Term of patent 7 years



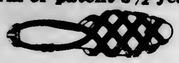
The ornamental design for a radiant heater, substantially as shown and described.

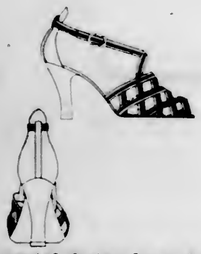
99,783
DESIGN FOR A FLOWER HOLDER OR SIMILAR ARTICLE
Robert F. Duryea, Palo Alto, Calif.
Application November 20, 1935, Serial No. 59,673
Term of patent 7 years



The ornamental design for a flower holder or similar article, as shown and described.

99,784
DESIGN FOR A SHOE
Frank Faleck, New York, N. Y., assignor to Ansonia De Luxe Shops, Inc., New York, N. Y., a corporation of New York
Application April 18, 1936, Serial No. 62,204
Term of patent 3½ years

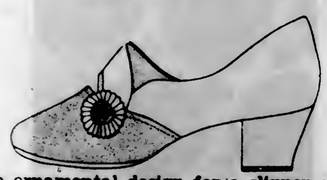




The ornamental design for a shoe substantially as shown.

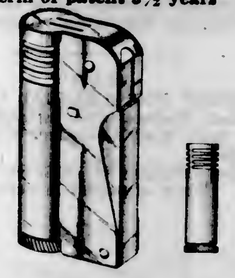
99,785
DESIGN FOR A SLIPPER
Harry Feifer, Passaic, N. J.
Application April 23, 1936, Serial No. 62,253
Term of patent 3½ years





The ornamental design for a slipper substantially as shown.

99,786
DESIGN FOR A LIGHTER
Jack Galter, Chicago, Ill.
Application February 28, 1936, Serial No. 61,415
Term of patent 3½ years





The ornamental design for a lighter, substantially as shown.

99,787
DESIGN FOR AN ELECTRICAL CONNECTER BODY
Charles E. Gilbert, New York, N. Y.
Application February 20, 1936, Serial No. 61,257
Term of patent 7 years





The ornamental design for an electrical connecter body, substantially as shown.

99,788
DESIGN FOR A JUVENILE SHOE
Louis J. Golden, Highland Park, Ill., assignor to B and B Shoe Company, Chicago, Ill., a corporation of Illinois
Application March 30, 1936, Serial No. 61,853
Term of patent 14 years





The ornamental design for a juvenile shoe, as shown.

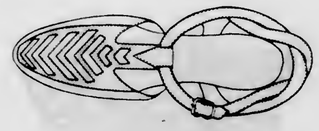
99,789
DESIGN FOR A BLOUSE
Sidney Goldstein, New York, N. Y.
Application March 9, 1936, Serial No. 61,536
Term of patent 7 years

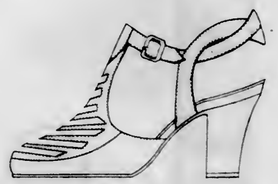




The ornamental design for a blouse, substantially as shown and described.

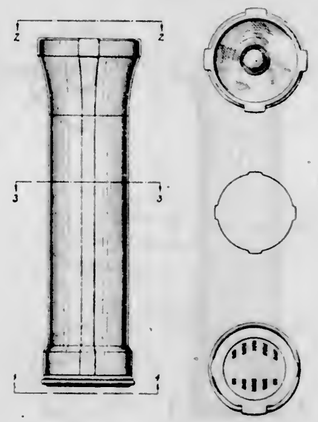
99,790
DESIGN FOR A SHOE
William Goldstein, New York, N. Y.
Application April 21, 1936, Serial No. 62,232
Term of patent 3½ years





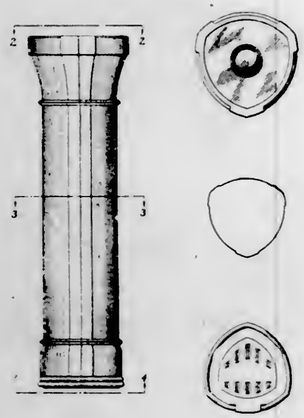
The ornamental design for a shoe, as shown.

99,791
DESIGN FOR A FLASHLIGHT
Herman G. Graubner, New York, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application October 18, 1935, Serial No. 59,118
Term of patent 14 years



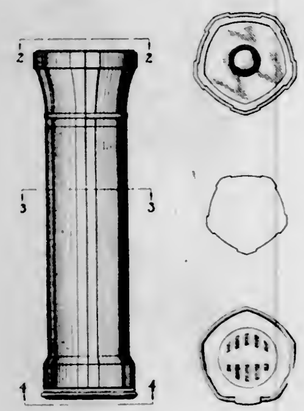
The ornamental design for a flashlight, substantially as shown and described.

99,792
DESIGN FOR A FLASHLIGHT
Herman G. Graubner, New York, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application October 18, 1935, Serial No. 59,119
Term of patent 14 years



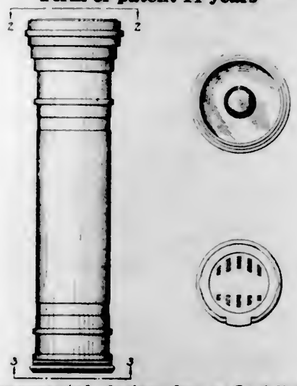
The ornamental design for a flashlight, substantially as shown and described.

99,793
DESIGN FOR A FLASHLIGHT
Herman G. Graubner, New York, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application October 18, 1935, Serial No. 59,120
Term of patent 14 years



The ornamental design for a flashlight, substantially as shown and described.

99,794
DESIGN FOR A FLASHLIGHT
Herman G. Graubner, New York, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application October 18, 1935, Serial No. 59,121
Term of patent 14 years



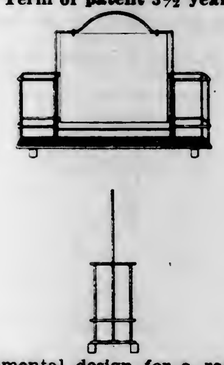
The ornamental design for a flashlight, substantially as shown and described.

99,795
DESIGN FOR A SHOE
Herman H. Grossman, New York, N. Y.
Application April 18, 1936, Serial No. 62,200
Term of patent 3½ years



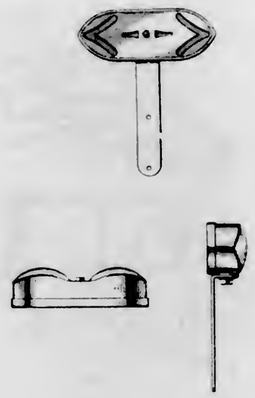
The ornamental design for a shoe, substantially as shown.

99,796
DESIGN FOR A RACK FOR WINDSHIELD CLEANING COMPOUNDS
John G. Haglock, Sterling, Ill.
Application April 15, 1935, Serial No. 56,399
Term of patent 3½ years



The ornamental design for a rack for windshield cleaning compounds, as shown.

99,797
DESIGN FOR A DIRECTIONAL SIGNAL CASING
John Ralph Haines, Medford, N. J.
Application February 8, 1936, Serial No. 61,048
Term of patent 14 years



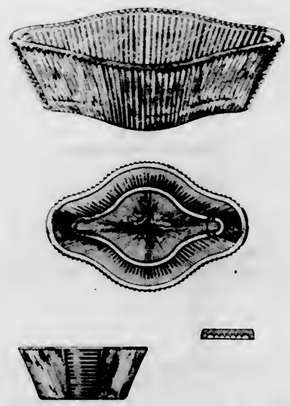
The ornamental design for a directional signal casing, as shown.

99,798
DESIGN FOR A GLASS VASE OR SIMILAR ARTICLE OF GLASSWARE
T. Clarence Heisey, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio, a corporation of Ohio
Application February 26, 1936, Serial No. 61,370
Term of patent 3½ years



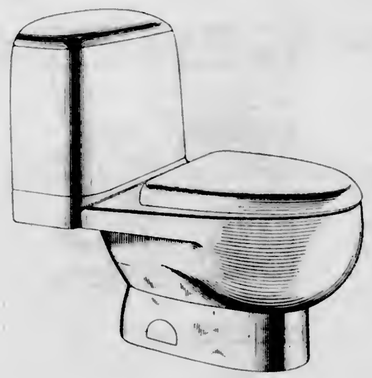
The ornamental design for a glass vase or similar article of glassware, as shown.

99,799
DESIGN FOR A GLASS FLORAL BOWL OR SIMILAR ARTICLE
T. Clarence Heisey, Newark, Ohio, assignor to A. H. Heisey and Company, Newark, Ohio, a corporation of Ohio
Application March 7, 1936, Serial No. 61,520
Term of patent 3½ years



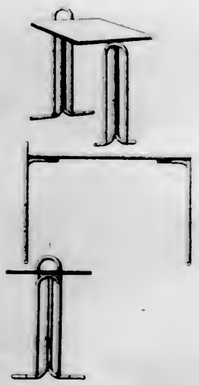
The ornamental design for a glass floral bowl or similar article, as shown.

99,800
DESIGN FOR A WATER CLOSET
Theodore C. Hobbs, Birmingham, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application April 4, 1936, Serial No. 61,943
Term of patent 14 years



The ornamental design for a water closet, substantially as shown.

99,801
DESIGN FOR A TABLE
Wolfgang Hoffmann, Batavia, Ill., assignor to The Howell Company, St. Charles, Ill., a corporation of Illinois
Application March 30, 1936, Serial No. 61,844
Term of patent 3½ years



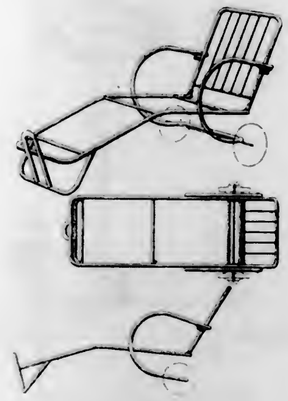
The ornamental design for a table, as shown.

99,802
DESIGN FOR A SWIVEL CHAIR
Wolfgang Hoffmann, Batavia, Ill., assignor to The Howell Company, St. Charles, Ill., a corporation of Illinois
Application March 30, 1936, Serial No. 61,845
Term of patent 3½ years



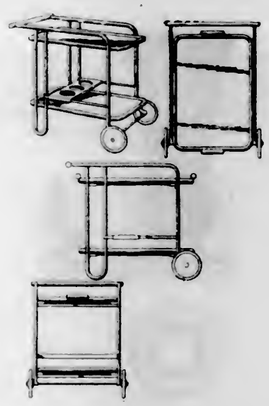
The ornamental design for a swivel chair, as shown.

99,803
DESIGN FOR A CHAISE LONGUE FRAME
Wolfgang Hoffmann, Batavia, Ill., assignor to The Howell Company, St. Charles, Ill., a corporation of Illinois
Application March 30, 1936, Serial No. 61,846
Term of patent 3½ years



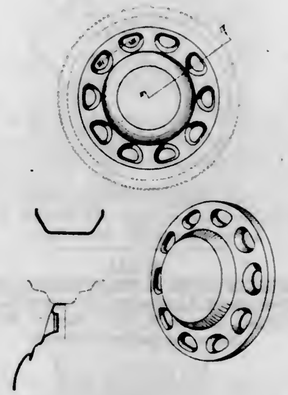
The ornamental design for a chaise longue frame, as shown.

99,804
DESIGN FOR A REFRESHMENT CART
Wolfgang Hoffmann, Batavia, Ill., assignor to The Howell Company, St. Charles, Ill., a corporation of Illinois
Application March 30, 1936, Serial No. 61,848
Term of patent 3½ years



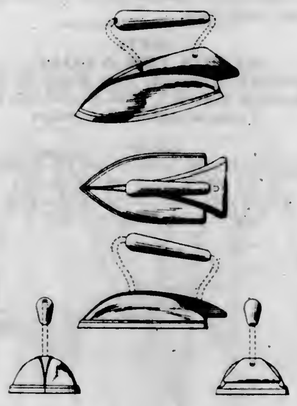
The ornamental design for a refreshment cart, as shown.

99,805
DESIGN FOR A WHEEL
Harry J. Horn, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application October 11, 1933, Serial No. 49,453
Term of patent 7 years



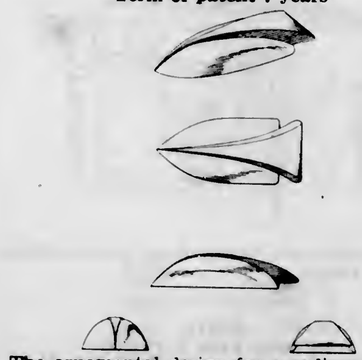
The ornamental design for a wheel as shown and described.

99,806
DESIGN FOR A SADIRON OR SIMILAR ARTICLE
Russell I. Huffman, Dover, Ohio, assignor to The Dover Manufacturing Co., Dover, Ohio, a corporation of Ohio
Application March 5, 1936, Serial No. 61,482
Term of patent 7 years



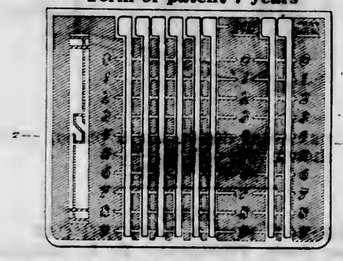
The ornamental design for a sadiron or similar article as shown and described.

99,807
DESIGN FOR A SADIRON SHELL
Russell I. Huffman, Dover, Ohio, assignor to The Dover Manufacturing Co., Dover, Ohio, a corporation of Ohio
Application March 31, 1936, Serial No. 61,878
Term of patent 7 years



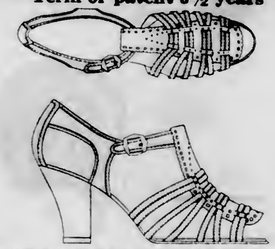
The ornamental design for a sadiron shell, as shown.

99,808
DESIGN FOR AN INDEX PLATE FOR CHECK WRITERS
John P. Hunter, East Orange, N. J., assignor to Safeguard, Inc., New York, N. Y., a corporation of Delaware
Application February 23, 1935, Serial No. 55,585
Term of patent 7 years



The ornamental design for an index plate for check writers, substantially as shown.

99,809
DESIGN FOR A SHOE
Alfred Hyatt, New York, N. Y.
Application April 22, 1936, Serial No. 62,247
Term of patent 3½ years



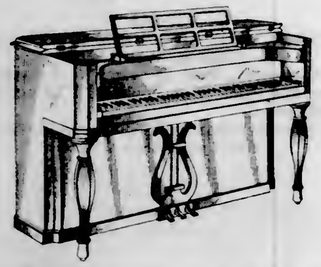
The ornamental design for a shoe, substantially as shown.

99,810
DESIGN FOR A PIANO
Christian Albert Jacob, Jr., Scarsdale, N. Y.
Application July 20, 1935, Serial No. 57,762
Term of patent 14 years



The ornamental design for a piano substantially as shown.

99,811
DESIGN FOR A PIANO
Christian Albert Jacob, Jr., Scarsdale, N. Y.
Application August 9, 1935, Serial No. 58,031
Term of patent 14 years



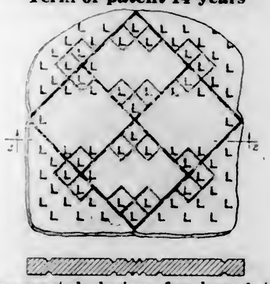
The ornamental design for a piano, substantially as shown.

99,812
DESIGN FOR A BATHING CAP
Josephine Jurie, Providence, R. I., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
Application January 15, 1936, Serial No. 60,591
Term of patent 7 years



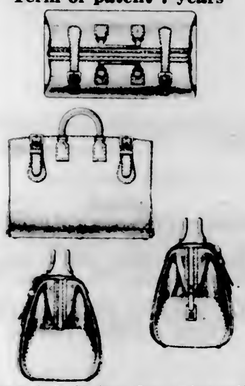
The ornamental design for a bathing cap, as shown.

99,813
DESIGN FOR BREAD TOAST
Stanley S. Langendorf, San Francisco, Calif., assignor to Langendorf United Bakeries, Inc., San Francisco, Calif., a corporation of Delaware
Application February 28, 1936, Serial No. 61,412
Term of patent 14 years



The ornamental design for bread toast, substantially as shown and described.

99,814
DESIGN FOR A TRAVELING BAG
Benjamin Laufman, Newark, N. J.
Application March 8, 1935, Serial No. 55,789
Term of patent 7 years



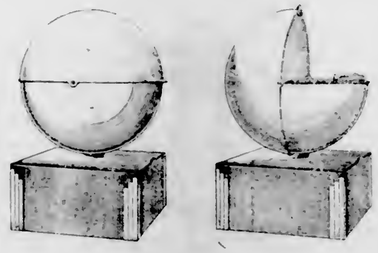
The ornamental design for a traveling bag, as shown and described.

99,815
DESIGN FOR A COAT
Julius Leiterman, New York, N. Y.
Application March 7, 1936, Serial No. 61,514
Term of patent 3½ years



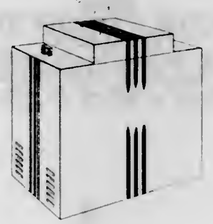
The ornamental design for a coat, substantially as shown and described.

99,816
DESIGN FOR A COMBINED SMOKING SET AND ASH RECEPTACLE
Roman Madler, Belleville, N. J.
Application October 15, 1935, Serial No. 58,995
Term of patent 3½ years



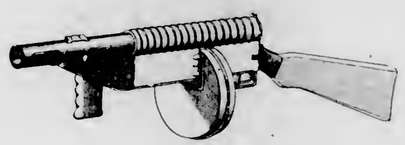
The ornamental design for a combined smoking set and ash receptacle, as shown and described.

99,817
DESIGN FOR A STOKER HOUSING
John E. Martin, La Grange, Ill., assignor to Link-Belt Company, Chicago, Ill., a corporation of Illinois
Application March 12, 1936, Serial No. 61,597
Term of patent 7 years



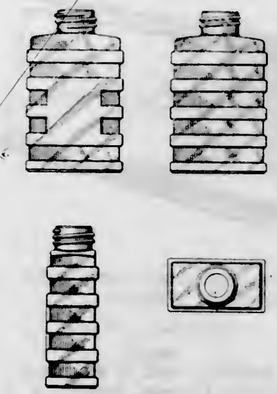
The ornamental design for a stoker housing, substantially as shown and described.

99,818
DESIGN FOR A TOY MACHINE GUN
Louis Marx, New York, N. Y.
Application March 24, 1936, Serial No. 61,760
Term of patent 14 years



The ornamental design for a toy machine gun, substantially as shown and described.

99,819
DESIGN FOR A BOTTLE
Frank McLaughlin, Chicago, Ill., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application March 26, 1936, Serial No. 61,803
Term of patent 14 years



The ornamental design for a bottle, as shown.

99,820
DESIGN FOR A BUCKLE
Emanuel M. Meyer and David Levin, New York, N. Y.
Application April 22, 1936, Serial No. 62,248
Term of patent 3½ years



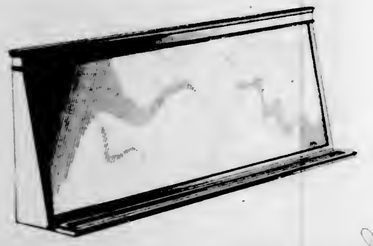
The ornamental design for a buckle substantially as shown.

99,821
DESIGN FOR A RING BOX OR SIMILAR ARTICLE
Max C. Meyer, Brooklyn, N. Y.
Application March 27, 1936, Serial No. 61,806
Term of patent 7 years



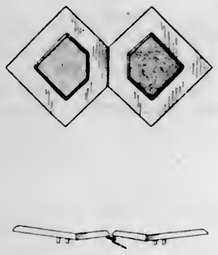
The ornamental design for a ring box or similar article, as shown.

99,822
DESIGN FOR A STOCK QUOTATION BOARD
Chapin S. Newhard, St. Louis, Mo.
Application February 8, 1936, Serial No. 61,051
Term of patent 14 years



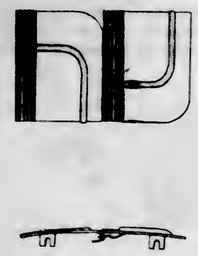
The ornamental design for a stock quotation board, substantially as shown.

99,823
DESIGN FOR A BUCKLE
Solomon Putman, Newark, N. J.
Application April 20, 1936, Serial No. 62,220
Term of patent 3½ years



The ornamental design for a buckle, substantially as shown.

99,824
DESIGN FOR A BUCKLE
Solomon Putman, Newark, N. J.
Application April 20, 1936, Serial No. 62,221
Term of patent 3½ years



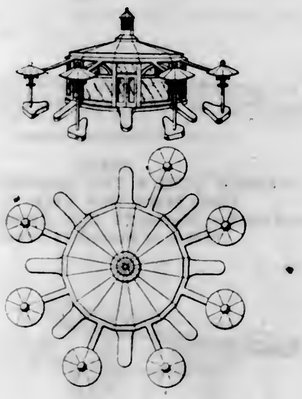
The ornamental design for a buckle, substantially as shown.

99,825
DESIGN FOR A MUDDLER
Thomas E. Pennington, Belmont, Calif.
Application January 25, 1936, Serial No. 60,808
Term of patent 7 years



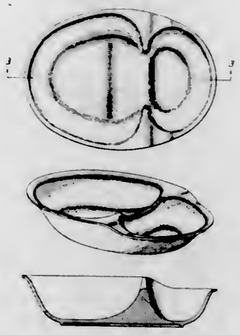
The ornamental design for a muddler substantially as shown.

99,826
DESIGN FOR A SERVICE STATION RESTAURANT
Theodore T. Record, Santa Barbara, Calif.
Application March 11, 1936, Serial No. 61,571
Term of patent 14 years



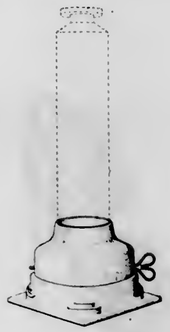
The ornamental design for a service station restaurant, as shown.

99,827
DESIGN FOR A DISH
Samuel A. Scaman, Berwyn, Ill.
Application March 4, 1936, Serial No. 61,469
Term of patent 3½ years



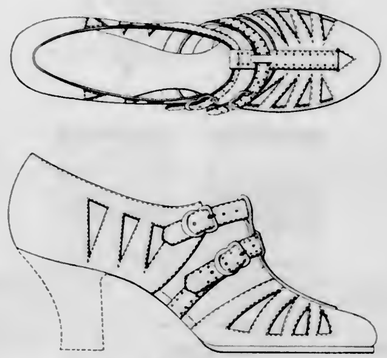
The ornamental design for a dish, as shown.

99,828
DESIGN FOR A TUBE HOLDING AND DISPENSING DEVICE
Joseph Schor, San Francisco, and John R. Skoverski, Oakland, Calif.
Application March 25, 1936, Serial No. 61,780
Term of patent 7 years



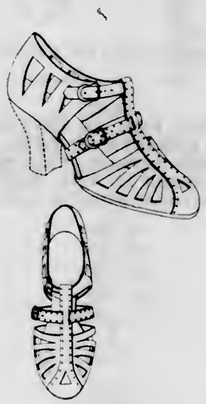
The ornamental design for a tube holding and dispensing device as shown.

99,829
DESIGN FOR A SHOE
Herbert Shapiro, Newton, Mass., assignor to Colonial Shoe Makers Inc., Boston, Mass., a corporation of Massachusetts
Application March 24, 1936, Serial No. 61,762
Term of patent 3½ years



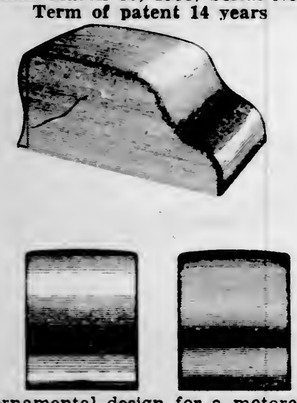
The ornamental design for a shoe substantially as shown and described.

99,830
DESIGN FOR A SHOE
Herbert Shapiro, Newton, Mass., assignor to Colonial Shoe Makers Inc., Boston, Mass., a corporation of Massachusetts
Application March 24, 1936, Serial No. 61,763
Term of patent 3½ years



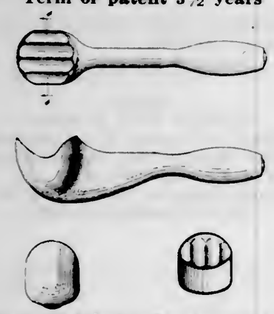
The ornamental design for a shoe substantially as shown.

99,831
DESIGN FOR A MOTORCYCLE SIDE CAR BODY
Fred C. Sharp, St. Paul, Minn.
Application March 30, 1935, Serial No. 56,128
Term of patent 14 years



The ornamental design for a motorcycle side car body, as shown.

99,832
DESIGN FOR A SCOOP
Rex M. Shultz, Ventura, Calif.
Application February 25, 1936, Serial No. 61,338
Term of patent 3½ years



The ornamental design for a scoop, as shown.

99,833
DESIGN FOR AN IMITATION CHRISTMAS TREE
Herman Siemund, Chicago, Ill.
Application March 12, 1936, Serial No. 61,592
Term of patent 7 years



The ornamental design for an imitation Christmas tree substantially as shown.

99,834
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Seymour Troy, New York, N. Y.
Application April 20, 1936, Serial No. 62,207
Term of patent 7 years



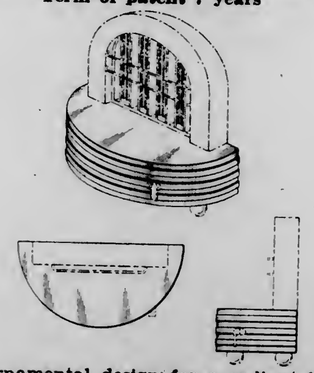
The ornamental design for a shoe or similar article, substantially as shown.

99,835
DESIGN FOR A SANDAL
Charles Tweedie, Jefferson City, Mo., assignor to Tweedie Footwear Corporation, Jefferson City, Mo., a corporation of Missouri
Application March 12, 1936, Serial No. 61,594
Term of patent 14 years



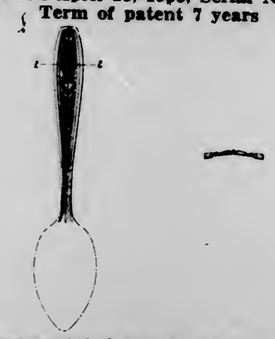
The ornamental design for a sandal, as shown.

99,836
DESIGN FOR A RADIANT HEATER
Harold L. van Doren, Toledo, Ohio, assignor to Utility Gas Appliance Corporation, Columbus, Ohio, a corporation of Ohio
Application March 30, 1936, Serial No. 61,855
Term of patent 7 years



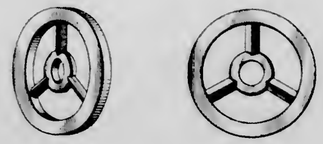
The ornamental design for a radiant heater, substantially as shown and described.

99,837
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
William S. Warren, Meriden, Conn., assignor to R. Wallace & Sons Manufacturing Company, Wallingford, Conn., a corporation of Connecticut
Application April 13, 1936, Serial No. 62,097
Term of patent 7 years



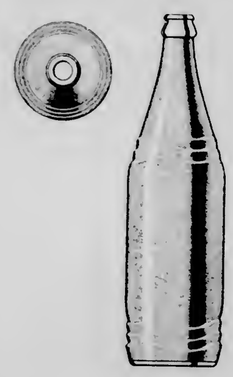
The ornamental design for a spoon or other article of flatware substantially as shown.

99,838
DESIGN FOR A VENDING MACHINE SLUG OR SIMILAR ARTICLE
Richard B. Wiggins, Chicago, Ill.
Application March 30, 1936, Serial No. 61,854
Term of patent 14 years



The ornamental design for a vending machine slug or similar article, substantially as shown.

99,839
DESIGN FOR A BOTTLE
Charles E. Hires, Jr., Philadelphia, Pa., assignor to The Charles E. Hires Company, Philadelphia, Pa., a corporation of Delaware
Application March 26, 1936, Serial No. 61,800
Term of patent 14 years



The ornamental design for a bottle, substantially as shown.

OFFICIAL GAZETTE

OF THE

I
88.

UNITED STATES PATENT OFFICE

VOLUME 467

JUNE

1936

UNITED STATES
GOVERNMENT PRINTING OFFICE
WASHINGTON : 1936

R608
13
v. 467
June 1936

CONTENTS

	Page
DECISIONS OF THE COMMISSIONER OF PATENTS, June 2, 9, 16, 23, 30	3, 243, 473, 721, 977
TRADE-MARKS PUBLISHED AND REGISTERED, June 2, 9, 16, 23, 30	9, 249, 481, 731, 989
LABELS AND PRINTS REGISTERED, June 2, 9, 16, 23, 30	45, 283, 515, 768, 1020
REISSUES, June 2, 9, 16, 23, 30	47, 285, 517, 769, 1021
PLANT PATENTS, June 2, 9, 16, 23, 30	49, 286, 519, 770, ----
PATENTS, June 2, 9, 16, 23, 30	50, 287, 520, 771, 1024
DESIGNS, June 2, 9, 16, 23, 30	222, 458, 697, 951, 1191

ANNOUNCEMENTS

	Page
ADVERSE DECISIONS IN INTERFERENCE	241, 471, 719
APPLICATIONS—Condition of pending	2, 242, 472, 720, 976
BULLETIN OF DECISIONS ON TRADE-MARKS, LABELS AND PRINTS	986
CLASSIFICATION OF INVENTIONS—Changes in *Order No. 3,355*	1
Order No. 3,358	471
DATE OF PATENT—Rule 167	241
DISCLAIMERS—Cottrell, Robert B	8
Haas, Frederick S	7
Harris, Herbert H	7
Henderson, Curtis L	7
Hoffman, Charles Thomas	7
Hucal, Wasyl	719
Kennedy, Dewey M. and Benjamin H. Kennedy	719
Lane, Raymond A	719
Mason, Frank B	719
Ratigan, James P	719
Samuel, Arthur L	8
Smets, Florent, E. A. and Carl F. Hansen	7
Trube, Carl E	719
DRAWING—Correction of——Rule 72	241
MANUSCRIPT COPIES—Instructions relative to ordering	241
PATENT SUITS	5, 247, 479, 729, 984
PATENTS—List of Adjudicated	7, 241, 471, 730, 975
TRADE-MARK REGISTRATIONS—Canceled	8, 985
UNITED STATES COURT OF CUSTOMS AND PATENT APPEALS—Vacation Period	975

TABLE OF CASES REPORTED

	Page
*Alden and Powers, In re	977
ᶜBakelite Corporation, Weiss and Downs *v.* National Aniline & Chemical Company, Inc., and Punnett	3
*Davis *v.* Maclachlan	244
*Mantle Lamp Company of America, The, *v.* Aluminum Products Company	721
*Martin *v.* Coe, Commissioner of Patents	243
ᵃMyers *v.* Coe, Commissioner of Patents	4
*Place, In re	981
*Schwartz *v.* Graenz	473
*Triplett, A. G., R. M. Triplett, A. Nelson et al. *v.* Percival D. Lowell, Francis W. Dunmore, and Dubilier Condenser Corporation	721
*Wilson and Dick *v.* Sherts and Hamill	724

[Decisions of the United States Court of Appeals for the District of Columbia are indicated by the letter (ᵃ); of the United States Court of Customs and Patent Appeals by a star (*); of the United States Circuit Court of Appeals by the letter (ᶜ); and of the Supreme Court of the United States by the letter (ˢ).]

382105

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Ace Color Corporation, The, New York, N. Y. Casein paint. Serial No. 376,980; June 2. Class 16.

Acme Engineers, Inc., Minneapolis, Minn. Hair drying equipment. Serial No. 375,741; June 2. Class 44.

Acme Shellac Products Corporation, doing business as Arista Paint & Varnish Co., Long Island City, N. Y. Paints, varnishes, stains, etc. Serial No. 374,118; June 2. Class 16.

Adler, Harry, New York, N. Y. Women's coats. Serial No. 377,341; June 2. Class 39.

Allen, Edith M., Clarion, Iowa. Hand operated laundering implements. Serial No. 376,929; June 2. Class 24.

Allen, S. L., & Co., Inc., Philadelphia, Pa. Coasting sleds. Serial Nos. 377,442–4; June 2. Class 22.

American Enka Corporation, Enka, N. C. Rayon yarns. Serial No. 377,258; June 2. Class 43.

American Hatters and Furriers Company, Incorporated, Danbury, Conn. Fur. Serial No. 368,792; June 2. Class 1.

Angelo Brothers Limited, Calcutta, India. Gum shellac. Serial No. 368,782; June 2. Class 1.

Arista Paint & Varnish Co. (See Acme Shellac Products Corporation.)

Arrow Distilleries, Inc., Detroit, Mich. Sloe gin. Serial No. 377,568; June 2. Class 49.

Atlantic Syrup Refining Co. (See Burns, William H.)

Atlas Mills Inc., New York, N. Y. Silk and/or rayon and/or cotton piece goods. Serial No. 376,888; June 2. Class 42.

Bagedonow, I. M., Inc., New York, N. Y. Coats. Serial No. 376,660; June 2. Class 39.

Bask-O-Ball Co., The. (See Speer, Donald E.)

Better Drug Products Inc., Tulsa, Okla. Deodorant. Serial No. 375,973; June 2. Class 6.

Bienaime, Societe Anonyme, Neuilly-sur-Seine, Seine, France. Perfumes, toilet water, bath salts, etc. Serial No. 372,079; June 2. Class 6.

Bonne Bell, Inc., Cleveland, Ohio. Toilet water and perfume. Serial No. 376,525; June 2. Class 6.

Breier's, Marcus, Sons, New York, N. Y. Wearing apparel. Serial No. 375,571; June 2. Class 39.

Bresduck, Inc., New York, N. Y. Razors, shears, scissors, etc. Serial No. 367,489; June 2. Class 23.

Burlington Basket Company, Burlington, Iowa. Basket cribs. Serial No. 376,832; June 2. Class 32.

Burns, William H., doing business as Atlantic Syrup Refining Co., Philadelphia, Pa. Table syrup. Serial No. 376,941; June 2. Class 46.

Butler Manufacturing Company, Kansas City, Mo. Hot air hair drying apparatus and hot air distributing helmets. Serial No. 369,952; June 2. Class 44.

Canadian Fur Trappers Corporation, New York, N. Y. Fur pelts. Serial No. 376,036; June 2. Class 1.

Canova Products Co., Jersey City, N. J. Wines. Serial No. 373,589; June 2. Class 47.

Caoutchouc Laboratories, Inc., New York, N. Y. Wide elastic fabrics. Serial No. 374,178; June 2. Class 42.

Carbone, A., & Company, Inc., Denver, Colo. Wines. Serial No. 376,570; June 2. Class 47.

Carbone, A., & Company, Inc., Denver, Colo. Wines. Serial No. 376,572; June 2. Class 47.

Celanese Corporation of America, New York, N. Y. Piece goods of cellulose derivatives. Serial No. 376,377; June 2. Class 42.

Century Distilling Co., Peoria, Ill. Gin. Serial No. 377,140; June 2. Class 49.

Checkorete Company, The, Baltimore, Md. Checker games. Serial No. 377,212; June 2. Class 22.

Cohen, Goldman & Co., Inc., New York, N. Y. Coats, vests, pants, etc. Serial No. 367,892; June 2. Class 39.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Soap and soap chips. Serial No. 377,308; June 2. Class 4.

Connaughton, J. J., Old Monroe, Mo. Whiskey. Serial No. 377,670; June 2. Class 49.

Contract Waterproofing Company, St. Louis, Mo. Preparation for use in exterminating termites. Serial No. 375,037; June 2. Class 6.

Crane Co., Chicago, Ill. Lavatories, towel bars, and bathroom fixtures. Serial No. 374,232; June 2. Class 13.

Creo-Dyne Laboratories. (See Ford Hopkins Company.)

Crex Carpet Company, trustee in Bankruptcy. (See Horan, Raymond L.)

Crucifix, Georges, Paris, France. Vermouths. Serial No. 376,379; June 2. Class 47.

Daché, Lilly, Inc., New York, N. Y. Perfume, toilet water, eau de cologne, etc. Serial No. 376,118; June 2. Class 6.

Dalton Hat Company, Yonkers, N. Y. Hats. Serial No. 376,718; June 2. Class 39.

Deland, C. M., New York, N. Y. Piece goods. Serial No. 375,134; June 2. Class 42.

Dental Research Laboratories and Sales Corporation, Portland, Oreg. Dental blanks, dentures, and dental plates. Serial No. 375,201; June 2. Class 44.

Diesel Equipment Corporation, New York, N. Y. Internal combustion engines, fuel injection pumps, and nozzles and atomizers used in connection therewith. Serial No. 374,044; June 2. Class 23.

Distillers Company, Limited, The, Lindon, N. J., and New York, N. Y. Gin. Serial No. 377,499; June 2. Class 49.

Dover Importing Corporation, assignor to Lemonina Products Corporation, New York, N. Y. Lemon powder for food flavoring purposes. Serial No. 369,527; June 2. Class 46.

Easthampton Rubber Thread Co., Easthampton, Mass. Rubber tape. Serial No. 368,881; June 2. Class 40.

Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" Gegenüber der Pferdepost von Ferd. Mülhens. (See Mülhens, Paul P.)

Eff Laboratories, Inc., Cleveland, Ohio. Concentrate and preparations rich in vitamin activity. Serial No. 371,629; June 2. Class 46.

Ehlers, Albert, Inc., Brooklyn, N. Y. Tea. Serial No. 376,464; June 2. Class 46.

Eisendrath, B. D., Tanning Company, Chicago, Ill. Leather. Serial No. 376,120; June 2. Class 1.

Emerson Glass Corporation, Jamestown, N. Y. Mirrors. Serial No. 375,499; June 2. Class 32.

Evans Case Company, North Attleboro, Mass. Vanity boxes including cigarette case and lighter. Serial No. 376,383; June 2. Class 50.

F. & N. Lawn Mower Company, The, doing business as The Henley Lawn Mower Co., Richmond, Ind. Lawn mowers. Serial Nos. 377,006–7; June 2. Class 23.

F. & N. Lawn Mower Company, The, Richmond, Ind. Lawn mowers. Serial No. 377,008; June 2. Class 23.

F. & N. Lawn Mower Company, The, doing business as The Henley Lawn Mower Co., Richmond, Ind. Lawn mowers. Serial Nos. 377,009–10; June 2. Class 23.

F. & N. Lawn Mower Company, The, Richmond, Ind. Lawn mowers. Serial No. 377,011; June 2. Class 23.

Famous-Barr Company. (See May Department Stores Company, The.)

Ferro-Co Corporation, Brooklyn, N. Y. Radiator enclosures. Serial No. 375,936; June 2. Class 34.

Ford Hopkins Company, doing business as Creo-Dyne Laboratories, Chicago, Ill. Emulsion for coughs and colds. Serial No. 375,290; June 2. Class 6.

Gates Packing Company, Inc., Fort Myers, Fla. Canned broths. Serial No. 376,167; June 2. Class 46.

General Grocer Company, doing business as General Coffee Company, St. Louis, Mo. Coffee. Serial No. 351,463; June 2. Class 46.

Girdler Corporation, The, Louisville, Ky. Amino compounds. Serial No. 374,829; June 2. Class 6.

Globe American Corporation, Kokomo, Ind. Cook stoves. Serial No. 374,327; June 2. Class 34.

Goldfarb, Samuel J., New York, N. Y. Dresses. Serial No. 376,800; June 2. Class 39.

Gotfried, M. A., doing business as M. A. Gotfried Co., Santa Paula, Calif. Fresh vegetables. Serial No. 377,149; June 2. Class 46.

Gottlieb Bros. Manufacturers of Silk Underwear Inc., New York, N. Y. Slips, nightgowns, panties, etc. Serial No. 366,145; June 2. Class 39.

Grant, J. & J., Glen Grant, Limited, Rothes, Scotland. Whisky. Serial No. 349,010; June 2. Class 49.

Green Pastures Poultry Farm, Scott and Homer, N. Y. Eggs. Serial No. 377,150; June 2. Class 46.

Greenspoon Clothing Co., Inc., St. Louis, Mo. Top-coats and overcoats. Serial No. 370,801; June 2. Class 39.

Gristede Bros. Inc., New York, N. Y. Biscuits. Serial No. 370,543; June 2. Class 46.

Gundry, Joseph, & Co. Limited, Bridport, England. Fishing nets and lines. Serial No. 376,047; June 2. Class 22.

Guttman, Joseph, & Bros., Inc., New York, N. Y. Knitted dresses and shirts. Serial No. 375,579; June 2. Class 39.

H. P. Coffee Co., St. Louis, Mo. Coffee. Serial No. 370,501; June 2. Class 46.

Hanslip, C. W., doing business as Standard Brake Lining Co., Los Angeles, Calif. Asbestos brake lining, sheet packing, and clutch facings. Serial No. 368,933; June 2. Class 35.

Harrower, Norman, doing business as Linton Brothers & Company, Fitchburg, Mass. Bristol board. Serial No. 372,969; June 2. Class 37.

Harwoods, Chemists, Limited, Watford, England. Medicated preparations. Serial No. 376,087; June 2. Class 6.

Henley Lawn Mower Co., The. (See F. & N. Lawn Mower Company, The.)

Herold-Bertsch Shoe Company, Grand Rapids, Mich. Men's shoes. Serial No. 376,994; June 2. Class 39.

Hirsch & Sons, Inc., Chicago, Ill. Women's and misses' coats. Serial No. 376,674; June 2. Class 39.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Holden Patent Book Cover Company, Springfield, Mass. Paper covers for books. Serial No. 375,580; June 2. Class 37.

Holman, Minnie, doing business as Minco Company, Detroit, Mich. Massage implement. Serial No. 376,676; June 2. Class 44.

Holophane Company, Inc., New York, N. Y. Globes and reflectors. Serial No. 374,521; June 2. Class 34.

Holophane Company, Inc., New York, N. Y. Globes and reflectors. Serial No. 375,885; June 2. Class 34.

Horan, Raymond L., trustee in Bankruptcy Crex Carpet Company, St. Paul, Minn. Rugs and carpets made of grass or fiber. Serial No. 373,173; June 2. Class 50.

Ilwaco Oyster Company, Inc., Ilwaco, Wash. Canned oysters. Serial No. 375,993; June 2. Class 46.

Industrial Chemical Products Co., Detroit, Mich. Preparation to be used as a fabric cleaner, etc. Serial No. 377,203; June 2. Class 4.

Inglenook Vineyard Company. (See Niebaum, Gustav, Company.)

Ingram, James L., doing business as Ingram Brine Products Co., Los Angeles, Calif. Preparation for curing meat. Serial No. 374,665; June 2. Class 6.

Iowa Pearl Button Company, Muscatine, Iowa. Buttons. Serial No. 376,997; June 2. Class 40.

Jayne, Dr. D., & Son, Inc., Philadelphia, Pa. Medicinal preparations. Serial No. 374,528; June 2. Class 6.

Johns-Manville Corporation, New York, N. Y. Machinery bearings and negative bearing pieces and blocks. Serial No. 358,323; June 2. Class 23.

Jones Knitting Mills, Los Angeles, Calif. Sweaters, bathing suits, swim trunks, etc. Serial No. 375,706; June 2. Class 39.

Junior Toy Corporation, Hammond, Ind. Children's velocipedes. Serial No. 377,636; June 2. Class 22.

Kaiserslauterer Verbandstoff-Fabrik Emil Bender, G. m. b. H., Kaiserslautern, Germany. Surgical and orthopedic bandages. Serial No. 374,836; June 2. Class 44.

Kaylon, Inc., New York, N. Y. Pajamas. Serial No. 377,090; June 2. Class 39.

Kayser, Julius, & Co., New York, N. Y. Fabric gloves. Serial No. 377,002; June 2. Class 39.

Krogman Distilling Co., Inc., Tell City, Ind. Whiskey. Serial No. 377,690; June 2. Class 49.

Krogman Distilling Co., Inc., Tell City, Ind. Whiskey. Serial Nos. 377,692–3; June 2. Class 49.

L. and S. Bernstein, Inc., New York, N. Y. Slips and panties. Serial No. 376,662; June 2. Class 39.

Lane Drug Company, The, Toledo, Ohio. Razor blades. Serial No. 373,047; June 2. Class 23.

Lee, Frank H., Company, The, Danbury, Conn. Hats. Serial No. 376,851; June 2. Class 39.

Lemonina Products Corporation. (See Dover Importing Corporation.)

Levine, Max, & Co., New York, N. Y. Piece goods. Serial No. 375,300; June 2. Class 42.

Levine, Max, & Co., New York, N. Y. Woven fabric. Serial No. 375,301; June 2. Class 42.

Levy, Edgar, doing business as Promotone Company, Natchitoches, La. Ointment for skin diseases. Serial No. 375,647; June 2. Class 6.

Lima Woolen Mills Co., The, Lima, Ohio. Woolen textiles. Serial No. 375,649; June 2. Class 42.

Lincoln Electric Company, The, Cleveland, Ohio. Metallic welding electrodes. Serial No. 376,595; June 2. Class 14.

Lindsay Ripe Olive Company, Lindsay, Calif. Canned olives. Serial No. 375,650; June 2. Class 46.

Lindsay Ripe Olive Company, Lindsay, Calif. Scalp and skin lotion tonic. Serial No. 375,651; June 2. Class 6.

Linton Brothers & Company. (See Harrower, Norman.)

Lockwedge Shoe Corporation of America, Inc., Columbus, Ohio. Women's shoes. Serial No. 376,055; June 2. Class 39.

Loeser, Frederick, & Co., Inc., Brooklyn, N. Y. Whiskey and gin. Serial No. 377,694; June 2. Class 49.

Loewer's, V., Gambrinus Brewery Co., New York, N. Y. Beer and ale. Serial No. 373,644; June 2. Class 48.

London & Company, Inc., Elizabeth, N. J. Gin and whiskey. Serial No. 373,282; June 2. Class 49.

London House, Ltd., New York, N. Y. Smokers' pipes. Serial No. 376,596; June 2. Class 8.

Lorentzen, Hans K., New York, N. Y. Venetian blind hardware and fittings. Serial No. 363,054; June 2. Class 13.

Love, Joseph, Inc., New York, N. Y. Children's dresses, panties, coats, etc. Serial No. 376,217; June 2. Class 39.

Maid-O'-Mist, Inc., Chicago, Ill. Automatic float type air relief valve. Serial No. 376,290; June 2. Class 13.

Maid-O'-Mist, Inc., Chicago, Ill. Automatic humidifiers. Serial No. 376,291; June 2. Class 34.

Major Equipment Co. Inc., Chicago, Ill. Electromagnetic unit providing steps of lighting control for stage lighting equipment. Serial No. 374,008; June 2. Class 21.

Marshall Field & Company, Chicago, Ill. Broadloom rugs and carpets. Serial Nos. 376,966–9; June 2. Class 42.

Martin, Charles F., doing business as Martin Pharmacal Co., Fairmont, W. Va. Medicinal preparation. Serial No. 376,098; June 2. Class 6.

Marvin Shoe Mfg. Co., Inc., Brooklyn, N. Y. Ladies' and misses' shoes. Serial No. 376,128; June 2. Class 39.

Matilda Etches Limited, London, England. Corsets and brassières. Serial No. 376,165; June 2. Class 39.

May Department Stores Company, The, doing business as The May Company, Baltimore, Md.; Cleveland, Ohio; Denver, Colo.; and Los Angeles, Calif.; Famous-Barr Company, St. Louis, Mo.; and M. O'Neil Company, Akron, Ohio. Ladies' silk hosiery. Serial No. 375,711; June 2. Class 39.

McRoberts, C. J., doing business as The McRoberts Co., Los Angeles, Calif. Gas-burning heating stoves. Serial No. 373,928; June 2. Class 34.

Men's Wear Sales Corporation, New York, N. Y. Suits, overcoats, topcoats, etc. Serial No. 375,337; June 2. Class 39.

Merrell, Wm. S., Company, The, Cincinnati, Ohio. Alcohols, alkaloids, alternatives, etc. Serial No. 360,677; June 2. Class 6.

Michigan Leather Packing Co., Detroit, Mich. Grease and oil retainers. Serial No. 377,014; June 2. Class 35.

Mims, Evelyn H., Fort Worth, Tex. Cosmetics. Serial No. 376,978; June 2. Class 6.

Minco Company. (See Holman, Minnie.)

Minnesota Valley Canning Company, Le Sueur, Minn. Canned vegetables. Serial No. 377,472; June 2. Class 46.

Monsanto Chemical Company, St. Louis, Mo. Preservatives for wood, lumber, etc. Serial No. 377,405; June 2. Class 6.

Motor Master Products Corporation, Chicago, Ill. Spark plugs. Serial No. 370,114; June 2. Class 21.

Mouakad Bros., New York, N. Y. Silk crepe de chine. Serial No. 352,094; June 2. Class 42.

Mülhens, Paul P., doing business as Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" Gegenüber der Pferdepost von Ferd. Mülhens, Cologne, Germany. Soaps, toilet soaps, shaving soaps, etc. Serial No. 371,603; June 2. Class 4.

Naamlooze Vennootschap Vereenigde Touwfabrieken, Rotterdam, Netherlands. Bindertwine. Serial No. 375,554; June 2. Class 7.

Nahigian, M. H., Inc., New York, N. Y. Textile rugs. Serial No. 371,359; June 2. Class 42.

National Sugar Refining Company of New Jersey, The, Jersey City, N. J., and New York, N. Y. Sugar. Serial No. 377,015; June 2. Class 46.

Naturade Products Co. (See Schulman, Nathan.)

Newell, Jack Joseph, & Company, San Francisco, Calif. Sulphur compound. Serial No. 376,257; June 2. Class 6.

Newman, Horace H., doing business as Plas-A-Tone Sales Co., New Orleans, La. Prefabricated wall board. Serial No. 376,603; June 2. Class 12.

Nicholson, Roscoe M., doing business as Nicholson Chemical Co., Los Angeles, Calif. Preventative for venereal disease. Serial No. 376,298; June 2. Class 6.

Niebaum, Gustav, Company, doing business as Inglenook Vineyard Company, Rutherford, Calif. Wines. Serial No. 376,060; June 2. Class 47.

Nishimi, Masao, Los Angeles, Calif. Powdered sodium glutamate seasoning. Serial No. 377,228; June 2. Class 46.

Northwestern Yeast Company, Chicago, Ill. Yeast. Serial No. 377,016; June 2. Class 46.

Oakland Fur Dyeing Co., Inc., Brooklyn, N. Y. Dyed furs. Serial No. 374,979; June 2. Class 1.

Old Collins Company, Inc., Distillers, New York, N. Y. Whiskey. Serial Nos. 377,592–3; June 2. Class 49.

O'Neil, M., Company. (See May Department Stores Company, The.)

Ostrucon Distilled Products Co. Inc., New York, N. Y. Whiskey, gin, rum, and brandy. Serial No. 377,744; June 2. Class 49.

Pacific American Fisheries, Inc., South Bellingham, Wash. Canned salmon. Serial No. 376,691; June 2. Class 46.

Pacific Foundry Company, Ltd., San Francisco, Calif. Chemical laboratory equipment, machinery and parts of machinery. Serial No. 368,624; June 2. Class 23.

Pacquin Laboratories Corporation, New York, N. Y. Preparations used in the care and treatment of the hair. Serial No. 376,957; June 2. Class 6.

Paramount Wedding Ring Company. (See Sager, Abraham.)

Parfumerie St. Denis, New York, N. Y. Astringents, astringent cerates, bleach creams, etc. Serial No. 375,947; June 2. Class 6.

Park Laboratory Company, Inc., San Antonio, Tex. Preparation used in the treatment of nose and throat irritations. Serial No. 377,127; June 2. Class 6.

Park-Sherman Co., Chicago, Ill. Ash tray sets. Serial No. 376,490; June 2. Class 8.

Passaic Woolflex Manufacturing Company, Paterson, N. J. Cut piece goods. Serial No. 375,855; June 2. Class 42.

Penola Inc., Pittsburgh, Pa. Compounds for destroying noxious plant growths. Serial No. 372,852; June 2. Class 6.

Peper, Christian, Tobacco Company, St. Louis, Mo. Tobacco products. Serial No. 376,574; June 2. Class 17.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda. Serial No. 377,473; June 2. Class 6.

Phillips Petroleum Company, Bartlesville, Okla. Chemical products. Serial No. 376,101; June 2. Class 6.

Plas-A-Tone Sales Co. (See Newman, Horace H.)

Polyshine Inc., Rochester, N. Y. Shoe polishes. Serial No. 376,641; June 2. Class 4.

Premier-Pabst Corporation, Peoria Heights, Ill. Beer and ale. Serial No. 368,050; June 2. Class 48.

Prentiss, George W., & Company, Holyoke, Mass. Metals and alloys thereof, and wire, ribbon, and strip made therefrom. Serial No. 368,381; June 2. Class 14.

Promotone Company. (See Levy, Edgar.)

Quaker City Rubber Company, Philadelphia, Pa. Rubber inner tubes, machinery packing, sheet packing, etc. Serial No. 373,973; June 2. Class 35.

Quasi-Arc Incorporated, Ambler, Pa. Electrodes for electric arc welding. Serial No. 375,096; June 2. Class 14.

Quidnick Dye Works, Inc., Quidnick, R. I., and New York, N. Y. Silk and rayon piece goods. Serial No. 376,492; June 2. Class 42.

Quinn, Thomas M., & Sons, Inc., Long Island City and New York, N. Y. Coffins. Serial No. 377,168; June 2. Class 2.

Rain Products, Inc., New York, N. Y. Umbrellas and parasols. Serial No. 377,280; June 2. Class 41.

Republic Rubber Company, The, Youngstown, Ohio. Fire hose. Serial No. 376,407; June 2. Class 35.

Republic Steel Corporation, Youngstown, Ohio. Metallic fence posts. Serial No. 372,743; June 2. Class 13.

Roberts, Lewis, Newark, N. J. Printing inks. Serial No. 375,859; June 2. Class 11.

Robinson Milling Company, The, Salina, Kans. Wheat flour. Serial No. 375,726; June 2. Class 46.

Rosemary Manufacturing Company, Roanoke Rapids, N. C. Table linens and napkins. Serial No. 377,020; June 2. Class 42.

Rosen, E., Company, Providence, R. I. Candy. Serial No. 375,955; June 2. Class 46.

Rowland, Mary S., Ltd., Jersey City, N. J. Permanent wave lotion. Serial No. 364,804; June 2. Class 6.

Sager, Abraham, doing business as Paramount Wedding Ring Company, Chicago, Ill. Finger rings and wedding rings. Serial No. 376,863; June 2. Class 28.

Sal-Co-Sel Laboratories, Orange, Calif. Preparation for use in the relief of colds, headaches, etc. Serial No. 374,435; June 2. Class 6.

Samson-United Corporation, Rochester, N. Y. Electric toasters, waffle irons, etc. Serial No. 369,105; June 2. Class 21.

Samson-United Corporation, Rochester, N. Y. Electric fans. Serial No. 375,172; June 2. Class 21.

Samson-United Corporation, Rochester, N. Y. Electric flatirons. Serial No. 375,173; June 2. Class 21.

Sandoz Chemical Works, Inc., New York, N. Y. Medicinal preparation. Serial No. 377,236; June 2. Class 6.

Sanitary Metal Cap Corporation, Syracuse, N. Y. Bottle caps. Serial No. 362,633; June 2. Class 50.

Santa Maria Produce Co., Guadaloupe, Calif. Fresh vegetables. Serial No. 374,210; June 2. Class 46.

Schmidt, A. O., doing business as A. O. Schmidt Co., San Francisco, Calif. Non-irritating powder for treatment of wounds, cuts, etc. Serial No. 373,622; June 2. Class 6.

Schoeneman, J., Incorporated, Baltimore, Md. Coats, vests, trousers, etc. Serial No. 369,631; June 2. Class 39.

Schulman, Nathan, doing business as Naturade Products Co., Long Beach, Calif. Preparation for treating the intestinal tract. Serial No. 362,598; June 2. Class 6.

Schulman, Nathan, doing business as Naturade Products Co., Long Beach, Calif. Preparation to be used as a laxative. Serial No. 362,599; June 2. Class 6.

Sears, Roebuck and Co., Chicago, Ill. Photographic film. Serial No. 375,959; June 2. Class 26.

Sellers, Hugh, doing business as Hugh Sellers & Company, Washington, D. C. Vermicidal preparation for animals other than birds and fowls. Serial No. 373,431; June 2. Class 6.

Servad Laboratories. (See Steger, Cedric.)

Sheffield Company, The, New London, Conn. Shoe cleaner. Serial No. 377,476; June 2. Class 4.

Sherman Wash Wear, Inc., Chicago, Ill. Aprons and house dresses. Serial No. 376,411; June 2. Class 39.

Shield Foods, Inc., Buffalo, N. Y. Canned fruits and vegetables. Serial No. 374,633; June 2. Class 46.

Shillito, John, Company, The, Cincinnati, Ohio. Boys' clothing. Serial No. 375,409; June 2. Class 39.

Silver Alloy Corporation, New York, N. Y. Alloy of silver. Serial No. 376,256; June 2. Class 14.

Simpson, Charles A., doing business as Simpson Chemical Company, Medway, Mass. Medical and dental preparation. Serial No. 377,327; June 2. Class 6.

Simpson, Wm., Sons & Co., Philadelphia, Pa. Cotton goods. Serial No. 376,144; June 2. Class 42.

Sincock, Edwin D., Christchurch, New Zealand. Jams and fruit pastes. Serial No. 375,102; June 2. Class 46.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Composition for cleaning painted, varnished, and lacquered surfaces, etc. Serial No. 377,286; June 2. Class 4.

Speed Systems Corporation, New York, N. Y. Blank letter forms. Serial No. 374,693; June 2. Class 37.

Speer, Donald E., doing business as The Bask-O-Ball Co., Indianapolis, Ind. Game. Serial No. 377,483; June 2. Class 22.

Standard Brake Lining Co. (See Hanslip, C. W.)

Steger, Cedric, doing business as Servad Laboratories, New York, N. Y. Preparation for male sex organs. Serial No. 377,371; June 2. Class 6.

Stein, Theodore G., Inc., Camden, N. J. Whiskey, gin, rum, etc. Serial No. 377,606; June 2. Class 49.

Steinam, A., Company, Inc., New York, N. Y. Spun rayon material. Serial No. 377,372; June 2. Class 42.

Sterilek Company Inc., The, Brooklyn, N. Y. Toilet tissues. Serial No. 376,251; June 2. Class 37.

Stern Brothers, New York, N. Y. Apparel for men, women, and children. Serial No. 371,517; June 2. Class 39.

Stewart-Warner Corporation, Chicago, Ill. Household and store refrigerators. Serial No. 374,863; June 2. Class 31.

Stewart-Warner Corporation, Chicago, Ill. Household and store refrigerators. Serial No. 374,912; June 2. Class 31.

Summers, George, Miami, Okla. Medicinal preparation. Serial No. 375,029; June 2. Class 6.

Sussman, Wormser & Co., San Francisco, Calif. Fruit juices. Serial No. 373,811; June 2. Class 45.

Sweeper-Vac Company, The, Worcester, Mass. Vacuum cleaners. Serial Nos. 377,032–3; June 2. Class 23.

Taylor & Williams Distilleries, Inc., Louisville, Ky. Whiskey. Serial No. 377,559; June 2. Class 49.

Tennessee Eastman Corporation, Kingsport, Tenn. Artificial yarn and transparent sheeting. Serial No. 374,687; June 2. Class 43.

Tonkin Distributing Co., San Francisco, Calif. Blend of brandy and rum. Serial No. 377,724; June 2. Class 49.

Ulman, Max, Inc., Brooklyn, N. Y. Tailored uniforms, sport frocks, and dresses. Serial No. 376,416; June 2. Class 39.

Ulmann, Bernhard, Co. Inc., New York, N. Y. Yarns. Serial No. 377,248; June 2. Class 43.

United States Rubber Products, Inc., New York, N. Y. Golf balls. Serial No. 377,066; June 2. Class 22.

U. S. Vitamin Corporation, Dover, Del. Preparations containing various vitamins and minerals, etc. Serial No. 376,013; June 2. Class 6.

Universal Motor Oils Company, Wichita, Kans. Cup grease and gun grease. Serial No. 369,145; June 2. Class 15.

Vandam, Albert H., Co., Inc., New York, N. Y. Piece goods. Serial No. 377,487; June 2. Class 42.

Vertriebsgesellschaft Limonade Benediktine m. b. H., Magdeburg, Germany. Aerated and non-aerated lemonades, natural mineral waters. Serial No. 374,307; June 2. Class 45.

Walgreen Co., Chicago, Ill. Razor blades. Serial No. 369,939; June 2. Class 23.

Ward Leonard Electric Company, Mount Vernon, N. Y. Electric rheostats, electric illumination control apparatus, etc. Serial No. 369,316; June 2. Class 21.

Weber, Erwin L., Seattle, Wash. Equalizing non-reflux elbows. Serial No. 376,077; June 2. Class 13.

Western Clock Company, Peru, Ill. Clocks and watches. Serial No. 376,235; June 2. Class 27.

Western Underwear Co., Inc., New York, N. Y. Chemises, negligees, panties, etc. Serial No. 376,653; June 2. Class 39.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric luminaires. Serial No. 375,611; June 2. Class 21.

Williams Oil-O-Matic Heating Corporation, Bloomington, Ill. Domestic electric washing machines and parts thereof. Serial No. 374,391; June 2. Class 24.

Witt's Market House, Minneapolis, Minn. Honey, eggs, potatoes, etc. Serial No. 342,053; June 2. Class 46.

Wolff, Dr. August, Sudbracker Nährmittelfabrik Kom.-Ges., Bielefeld, Germany. Solution of bee's toxin for treating rheumatism and gout. Serial No. 368,118; June 2. Class 6.

A. P. W. Paper Company, Inc., Albany, N. Y. Toilet tissue. 335,445–7; June 2; Serial Nos. 374,505–7; published Mar. 24, 1936. Class 37.
Ada Milling Company, Ada, Okla. Dairy feed. 335,499; June 2. Class 46.
Advance Theatrical Shoe Company, The. (See Harris, Leo.)
Aktieselskabet de Danske Spritfabrikker, Copenhagen, Denmark. Brandy known as "aquavitae". 335,315; June 2; Serial No. 368,644; published Nov. 12, 1935. Class 49.
Alexander Doll Co. (See Behrman, Bertha.)
Alpine Paint & Varnish Co. (See Sklar, A., & Sons, Inc.)
American Steel and Wire Company of New Jersey, The, Pittsburgh, Pa.; Cleveland, Ohio; Chicago, Ill.; New York, N. Y.; Worcester, Mass., and Hoboken, N. J. Barbed wire. 335,355–6; June 2; Serial Nos. 352,952–3; published Mar. 17, 1936. Class 13.
American Steel and Wire Company of New Jersey, The, Pittsburgh, Pa.; Cleveland, Ohio; Chicago, Ill.; Worcester, Mass.; and Hoboken, N. J. Barbed wire. 335,358; June 2; Serial No. 354,067; published Mar. 3, 1936. Class 13.
American Syrup & Sorghum Co., St. Louis, Mo. Table syrup. 335,377; June 2; Serial No. 367,650; published Mar. 24, 1936. Class 46.
Armstrong, Norbert, Nashville, Tenn. Cartoons. 335,384; June 2; Serial No. 371,804; published Mar. 17, 1936. Class 38.
Asch, S. L., Corporation, New York, N. Y. Hats. 335,433; June 2; Serial No. 373,483; published Feb. 25, 1936. Class 39.
Ayres, Wm., and Sons, Inc., Philadelphia, Pa. Woven and re-inforced blankets. 335,516; June 2. Class 42.
Baronet Juniors, Inc., New York, N. Y. Dresses. 335,424; June 2; Serial No. 373,294; published Mar. 17, 1936. Class 39.
Beau Peep Products, Chicago, Ill. Shoe cleaner. 335,303; June 2; Serial No. 372,759; published Mar. 17, 1936. Class 4.
Beech-Nut Packing Company, Canajoharie, N. Y. Candy. 335,327; June 2; Serial No. 374,267; published Mar. 24, 1936. Class 46.
Behr-Manning Corporation, Troy, N. Y. Printer's blankets. 335,379; June 2; Serial No. 367,060; published Mar. 24, 1936. Class 50.
Behrman, Bertha, doing business as Alexander Doll Co., and Madame Alexander, New York, N. Y. Dolls. 335,325; June 2; Serial No. 374,270; published Mar. 24, 1936. Class 22.
Behrman, Bertha, doing business as Alexander Doll Co., and Madame Alexander, New York, N. Y. Dolls. 335,326; June 2; Serial No. 374,268; published Mar. 24, 1936. Class 22.
Behrman, Bertha, doing business as Alexander Doll Co., and Madame Alexander, New York, N. Y. Dolls. 335,410; June 2; Serial No. 374,273; published Mar. 24, 1936. Class 22.
Bestlyne Foundations Co., New York, N. Y. Corsets, girdles, brassières, etc. 335,322; June 2; Serial No. 372,621; published Mar. 3, 1936. Class 39.
Bethlehem Laboratories, Inc., Pittsburgh, Pa. Antiseptics, germicides, and deodorants. 335,345–6; June 2; Serial Nos. 372,951–2; published Mar. 17, 1936. Class 6.
Betmar Hats Inc., New York, N. Y. Ladies' hats. 335,297; June 2; Serial No. 373,633; published Mar. 10, 1936. Class 39.
Bigelow, David E., New York, N. Y. Maltless beverages. 335,461; June 2; Serial No. 374,702; published Mar. 24, 1936. Class 45.
Bright, Bertha R., New York, N. Y. Luggage. 335,338; June 2; Serial No. 374,355; published Mar. 24, 1936. Class 3.
Brill, Louis, doing business as Brill Corset Company, Philadelphia, Pa. Foundation garment, corset, girdles, etc. 335,389; June 2; Serial No. 372,041; published Mar. 3, 1936. Class 39.
Brockway, Spencer D., doing business as Sun Ban Products Co., Portland, Oreg. Preparation for the treatment of sunburn, poison oak and ivy, etc. 335,378; June 2; Serial No. 367,230; published Mar. 24, 1936. Class 6.
Brown Bag Filling Machine Co., The, Fitchburg, Mass. Paper receptacles such as envelopes. 335,382; June 2; Serial No. 371,673; published Mar. 3, 1936. Class 37.
Brown, Stanley P., Mission, Tex. Fresh citrus fruits. 335,484; June 2; Serial No. 362,557; published Mar. 17, 1936. Class 46.
Bruce's Juices, Inc., Tampa, Fla. Canned grapefruit juice and canned orange juice. 335,392; June 2; Serial No. 372,390; published Mar. 17, 1936. Class 46.
Bulova Watch Company, Inc., New York, N. Y. Watches. 335,455–7; June 2; Serial Nos. 374,122–4; published Mar. 24, 1936. Class 27.
Burns, Judson C., Inc., Philadelphia, Pa. Refrigerators and parts thereof. 335,449; June 2; Serial No. 374,579; published Mar. 24, 1936. Class 31.

Buxom Company. (See Oliver, Ludwell S.)
California Packing Corporation, San Francisco, Calif. Dried and evaporated fruits. 335,482; June 2; Serial No. 362,290; published Mar. 24, 1936. Class 46.
California Tanning Company, St. Louis, Mo. Leather boot and shoe laces. 335,390; June 2; Serial No. 372,043; published Mar. 17, 1936. Class 40.
Carpenter Steel Company, The, Reading, Pa. Steel in bars, billets, and shapes. 335,498; June 2. Class 14.
Carpenter Steel Company, The, Reading, Pa. Steel in bars, billets, and shapes. 335,505; June 2. Class 14.
Carpenter Steel Company, The, Reading, Pa. Steel in bars, billets, and shapes. 335,512; June 2. Class 14.
Carrecabe, John M., Inc., Chelsea, Mass. Fibre counters for boots and shoes. 335,471; June 2; Serial No. 374,179; published Mar. 24, 1936. Class 39.
Cherry-Burrell Corporation, Chicago, Ill. Ice cream freezers. 335,369; June 2; Serial No. 359,271; published Mar. 17, 1936. Class 31.
Child Craft Guild, Inc., Detroit, Mich. Children's furniture. 335,418; June 2; Serial No. 373,128; published Mar. 24, 1936. Class 32.
Cinelli, R., & Figli S. A., Signa, Italy. Men's hats. 335,438; June 2; Serial No. 373,560; published Mar. 24, 1936. Class 39.
Clermont Chemical Co., The, Worthington, Ohio. Laxative compound. 335,276; June 2; Serial No. 370,696; published Mar. 24, 1936. Class 6.
Cohen, Jos. S., & Sons Co., Inc., New York, N. Y. Frocks and dresses. 335,458; June 2; Serial No. 374,128; published Mar. 17, 1936. Class 39.
Conrad Razor Blade Co. Inc., Long Island City, N. Y. Razors and razor blades. 335,417; June 2; Serial No. 373,098; published Mar. 24, 1936. Class 23.
Coughlin Manufacturing Company, New York, N. Y. Transfer paper. 335,376; June 2; Serial No. 361,708; published Mar. 24, 1936. Class 37.
Cromwell Paper Co., The, Chicago, Ill. Tympan paper and slip sheets. 335,307; June 2; Serial No. 369,993; published Mar. 24, 1936. Class 37.
Culver, Blaine, Los Angeles, Calif. Nail white, shampoo, hair oil, etc. 335,421; June 2; Serial No. 373,165; published March 24, 1936. Class 6.
Darnee, Inc. (See Remilier Co., The, assignor.)
David, John, New York, N. Y. Men's suits, trousers, coats, etc. 335,280; June 2; Serial No. 367,754; published Mar. 17, 1936. Class 39.
David, John, New York, N. Y. Men's union suits, shirts, gloves, etc. 335,308; June 2; Serial No. 369,734; published Nov. 26, 1935. Class 39.
Debway Hats, Inc., New York, N. Y. Ladies' hats. 335,279; June 2; Serial No. 367,921; published Dec. 10, 1935. Class 39.
Dewar, John, & Sons Limited, Perth, Scotland, and London, England. Whisky. 335,372; June 2; Serial No. 360,844; published Sept. 3, 1935. Class 49.
Distillers Corporation, Limited. (See White, David J., assignor.)
Doniger, David D., & Co., New York, N. Y. Sportswear. 335,459; June 2; Serial No. 374,131; published Mar. 24, 1936. Class 39.
Donna Citrus Association, Donna, Tex. Fresh citrus fruits. 335,395; June 2; Serial No. 372,462; published Mar. 24, 1936. Class 46.
Donna Citrus Association, Donna, Tex. Fresh citrus fruits. 335,396; June 2; Serial No. 372,464; published Mar. 24, 1936. Class 46.
Donna Citrus Association, Donna, Tex. Fresh citrus fruits. 335,401; June 2; Serial No. 372,466; published Mar. 24, 1936. Class 46.
Donnelly Garment Company, Kansas City, Mo. Dresses, frocks, aprons, etc. 335,472; June 2; Serial No. 374,182; published Mar. 24, 1936. Class 39.
Dufold Malted Co. (See Hanten, Al J.)
Durofchalk, Charles A., Binghamton, N. Y. Candy and candy confections. 335,296; June 2; Serial No. 373,636; published Mar. 24, 1936. Class 46.
Eisenlohr, Webster, Inc., New York, N. Y. Cigars. 335,273; June 2; Serial No. 370,980; published Mar. 24, 1936. Class 17.
Eisenlohr, Webster, Inc., New York, N. Y. Cigars. 335,415–16; June 2; Serial Nos. 373,005–6; published Mar. 24, 1936. Class 17.
Elgin American Company, Elgin, Ill. Vanity and rouge boxes, powder containers, etc. 335,360; June 2; Serial No. 354,927; published Oct. 9, 1934. Class 2.
Elkhart Lake Canning Company, Elkhart Lake, Wis. Canned peas. 335,514; June 2. Class 46.
Elmquist, Francis, doing business as House of Twigs, Kansas City, Mo. Astringents, cleansing cream, all purpose creams, etc. 335,426; June 2; Serial No. 373,334; published Mar. 24, 1936. Class 6.
Epicol Products Company, Minneapolis, Minn. Ointment for use as a surgical dressing. 335,287; June 2; Serial No. 373,867; published Mar. 24, 1936. Class 6.

Essley Shirt Company, Inc., New York, N. Y. Shirts with attached collars, detached collars to match, and separate white collars. 335,480; June 2; Serial No. 362,074; published July 16, 1935. Class 39.
Fashion Brassiere Co., Inc., New York, N. Y. Corsets, girdles, brassières, etc. 335,320; June 2; Serial No. 372,663; published Mar. 3, 1936. Class 39.
Fawn Grove Mfg. Co. (See Rosen, Paul.)
Feldman Petroleum Company, Chicago, Ill. Gasoline. 335,479; June 2; Serial No. 362,022; published Mar. 3, 1936. Class 15.
Firestone Footwear Company, Hudson, Mass., assignor to United States Rubber Products, Inc., New York, N. Y. Footwear of rubber or rubber and fabric. 335,354; June 2; Serial No. 352,477; published Aug. 20, 1935. Class 39.
Flammer, Harold, Incorporated, New York, N. Y. Sheet music, books of musical compositions, and musical compositions. 335,388; June 2; Serial No. 372,008; published Mar. 17, 1936. Class 38.
Freedman, Isaac, doing business as I. Freedman & Co., New York, N. Y. Suits and overcoats. 335,419; June 2; Serial No. 373,208; published Mar. 17, 1936. Class 39.
Friedman, B., Shoe Co. Inc., New York, N. Y. Shoes. 335,318; June 2; Serial No. 368,173; published Feb. 25, 1936. Class 39.
Friedman, Wertber, Inc., New York, N. Y. Cartoon strip. 335,272; June 2; Serial No. 371,124; published Mar. 17, 1936. Class 38.
Fries, Harold H., doing business as Fries Bros., New York, N. Y. Photographic developer. 335,403; June 2; Serial No. 374,583; published Mar. 24, 1936. Class 6.
Gards Manufacturing Co., Inc., New York, N. Y. Head and sweat band protectors for hats and caps and headwear generally. 335,331; June 2; Serial No. 374,238; published Mar. 24, 1936. Class 39.
General Dairy Products Company. (See Negri, Anton C.)
Gephart Manufacturing Co., Chicago, Ill. Fishing rods. 335,411; June 2; Serial No. 374,292; published Mar. 24, 1936. Class 22.
Gimbel Brothers, Inc., New York, N. Y. Gin. 335,502; June 2. Class 49.
Green Cross Pharmaceutical Products, Inc., New York, N. Y. Douche powder. 335,316; June 2; Serial No. 368,412; published Nov. 12, 1935. Class 6.
Grief, L., & Bro., Incorporated, Baltimore, Md. Top coats, overcoats, vests, etc. 335,468; June 2; Serial No. 374,138; published Mar. 17, 1936. Class 39.
Groves Shoe Company, Chicago, Ill. Shoes and slippers. 335,422; June 2; Serial No. 373,257; published Mar. 17, 1936. Class 39.
Haberle Congress Brewing Co., Inc., Syracuse, N. Y. Ale. 335,357; June 2; Serial No. 354,036; published Nov. 20, 1934. Class 48.
Hahlo & Solomon Inc., New York, N. Y. Clothing. 335,483; June 2; Serial No. 362,419; published Mar. 24, 1936. Class 39.
Hamill, Charles B., and Howard A. Smith, Bridgeport, Conn. Hose supporter tabs. 335,370; June 2; Serial No. 360,093; published Mar. 17, 1936. Class 40.
Hanten, Al J., doing business as Dufold Malted Co., St. Paul, Minn. Malt compounds. 335,397; June 2; Serial No. 372,597; published Mar. 24, 1936. Class 46.
Harris, Leo, doing business as The Advance Theatrical Shoe Company, Chicago, Ill. Dancing slippers and dancing shoes. 335,490; June 2; Serial No. 365,035; published Mar. 17, 1936. Class 39.
Hat Corporation of America, Norwalk, Conn. Felt hats for men. 335,398; June 2; Serial No. 372,514; published Mar. 3, 1936. Class 39.
Haviland, Theodore, & Co. Incorporated, New York, N. Y. Chinaware. 335,293; June 2; Serial No. 373,785; published Mar. 24, 1936. Class 30.
Her Majesty Underwear Co., Philadelphia, Pa. Women's underwear. 335,452–3; June 2; Serial Nos. 374,083–4; published Mar. 24, 1936. Class 39.
Hertzberg, Binder, Des Moines, Iowa. Bindings and coverings for books and parts and bindings therefor. 335,441; June 2; Serial No. 374,240; published Mar. 24, 1936. Class 50.
Hilker, Henry W., San Francisco, Calif. Shampoo. 335,310; June 2; Serial No. 369,082; published Mar. 24, 1936. Class 6.
Hill-Luthy Co., Peoria, Ill. Whiskey. 335,481; June 2; Serial No. 362,256; published May 21, 1935. Class 49.
Hoge-Montgomery Company, Inc., Frankfort, Ky. Boots and shoes. 335,367; June 2; Serial No. 357,285; published Mar. 24, 1936. Class 39.
Hooper, Sidney W., doing business as Valley Maid Co., Fargo, N. Dak. Potato chips. 335,432; June 2; Serial No. 373,476; published Mar. 24, 1936. Class 46.
House of Twigs. (See Elmquist, Francis.)
Imperial Knife Company, Inc. (See New York Knife Company, assignor.)
Ingraham, E., Company, The, Bristol, Conn. Clocks. 335,454; June 2; Serial No. 374,086; published Mar. 24, 1936. Class 27.
International Nickel Company, Inc., The, New York, N. Y. Sheet metal for pails. 335,373; June 2; Serial No. 361,092; published Mar. 24, 1936. Class 14.
International Nickel Company, Inc., The, New York, N. Y. Metal anodes, castings, sheets, rods, etc. 335,374; June 2; Serial No. 361,094; published Mar. 24, 1936. Class 14.
International Shoe Co., St. Louis, Mo. Boots and shoes. 335,292; June 2; Serial No. 373,791; published Mar. 17, 1936. Class 39.
Jarvis & Marcus, Inc., San Francisco, Calif. Sportswear. 335,271; June 2; Serial No. 371,157; published Mar. 17, 1936. Class 39.
Jeffrey Manufacturing Company, The, Columbus, Ohio. Machine conveyors, coal cutters, elevators, etc. 335,282; June 2; Serial No. 371,639; published Mar. 24, 1936. Class 23.
Jeffrey Manufacturing Company, The, Columbus, Ohio. Electric trolleys, reels, trolley wheels, etc. 335,319; June 2; Serial No. 371,638; published Mar. 24, 1936. Class 21.
Jelke, John F., Company, Chicago, Ill. Oleomargarin. 111,458; renewed July 18, 1936.
Joseph & Feiss Company, The, Cleveland, Ohio. Men's clothing. 335,284; June 2; Serial No. 373,962; published Mar. 17, 1936. Class 39.
Joseph & Feiss Company, The, Cleveland, Ohio. Woolen piece goods. 335,510; June 2. Class 42.
Journal-Herald Publishing Company, The, Dayton, Ohio. Daily and Sunday newspapers. 335,301; June 2; Serial No. 372,773; published Mar. 17, 1936. Class 38.
Julian and Kokenge Co., The, Columbus, Ohio. Shoes. 335,341; June 2; Serial No. 374,049; published Mar. 24, 1936. Class 39.
Kensington, Incorporated, New Kensington, Pa. Ink stands, desk sets, racks, etc., of base metal. 335,473; June 2; Serial No. 374,199; published Mar. 24, 1936. Class 37.
Kensington, Incorporated, New Kensington, Pa. Ornamental boxes and trays for tobacco and cigarettes, and ash trays. 335,474; June 2; Serial No. 374,201; published Mar. 24, 1936. Class 8.
Kessler, Schwartz & Co., Inc., New York, N. Y. Ladies' coats and suits. 335,408; June 2; Serial No. 373,963; published Mar. 24, 1936. Class 39.
King Features, Syndicate, Inc. (See Star Company.)
Korn, David, & Co., Inc., New York, N. Y. Slips and night gowns. 335,462; June 2; Serial No. 374,003; published Mar. 17, 1936. Class 39.
Krulwich, Bernard, & Co., New York, N. Y. Hats. 335,362; June 2; Serial No. 372,673; published Feb. 25, 1936. Class 39.
La Fain Inc., Buffalo, N. Y. Hair wave setting solution. 335,435; June 2; Serial No. 373,532; published Mar. 24, 1936. Class 6.
Lange Canning Company, Inc., Eau Claire, Wis. Canned vegetables. 335,393; June 2; Serial No. 372,424; published Mar. 17, 1936. Class 46.
Lazier, J. F., Manufacturing Co., Inc., St. Louis, Mo. Maltless extracts and concentrated fruit syrups. 335,496; June 2; Serial No. 366,721; published Oct. 15, 1935. Class 45.
Lee, Geo. H., Company, Omaha, Nebr. Preservative coating for eggs. 112,908; renewed Oct. 3, 1936.
Levin & Grad, New York, N. Y. Scarfs, collars, cuffs, etc. 335,448; June 2; Serial No. 374,526; published Mar. 24, 1936. Class 39.
Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Men's suits. 335,431; June 2; Serial No. 373,424; published Mar. 17, 1936. Class 39.
Lewel Mfg. Co., Inc., New York, N. Y. Bandeaux and foundation garments. 335,469; June 2; Serial No. 374,146; published Mar. 24, 1936. Class 39.
Lewis, L., & Son, New York, N. Y. Hats for children. 335,295; June 2; Serial No. 373,643; published Mar. 10, 1936. Class 39.
Little Duchess Undergarment Company, Brooklyn, N. Y. Children's undergarments. 335,317; June 2; Serial No. 368,376; published Mar. 24, 1936. Class 39.
London House, Ltd., New York, N. Y. Smokers' pipes, ashtrays, ash receivers, etc. 335,511; June 2. Class 8.
Longini Shoe Manufacturing Co., The, Cincinnati, Ohio. Shoes. 335,402; June 2; Serial No. 374,053; published Mar. 24, 1936. Class 39.
Lorch Manufacturing Company, Dallas, Tex. Coats and suits. 335,320; June 2; Serial No. 374,245; published Mar. 24, 1936. Class 39.
Los Angeles Refinoil Corporation, Los Angeles, Calif. Lubricants. 335,289; June 2; Serial No. 373,832; published Mar. 17, 1936. Class 15.
Lyndonville Canning Co. Inc., Lyndonville, N. Y. Canned apple sauce. 335,312; June 2; Serial No. 368,939; published Mar. 24, 1936. Class 46.
Lyons, Henry L., Pompano, Fla. Fresh vegetables. 335,428–9; June 2; Serial Nos. 373,382–3; published Mar. 24, 1936. Class 46.
M. & K. Handkerchief Company, Inc., New York, N. Y. Handkerchiefs. 335,507; June 2. Class 42.
Madame Alexander. (See Behrman, Bertha.)
Manson Publications Corporation, New York, N. Y. Periodical. 335,300; June 2; Serial No. 373,611; published Mar. 17, 1936. Class 38.
Marine Chemicals Company, Ltd., South San Francisco, Calif. Magnesium hydroxides, magnesium oxides, and magnesium carbonates. 335,475; June 2; Serial No. 374,202; published Mar. 17, 1936. Class 6.

Martin, James, (Scotch Distillers) Corporation, The. (See Turney, J. G., & Son, Ltd., assignor.)
Mavar Fish & Oyster Company, Incorporated, Biloxi, Miss. Canned salmon, shrimp, and oysters. 335,278; June 2; Serial No. 370,622; published Mar. 24, 1936. Class 46.
McCrossen Handwoven Textiles, Inc., Santa Fe, N. Mex. Scarfs, neckties, belts, and dresses. 335,302; June 2; Serial No. 370,326; published Mar. 24, 1936. Class 39.
McIlhenny Company, New Iberia, La. Pepper sauce. 335,342; June 2; Serial No. 372,843; published Mar. 24, 1936. Class 46.
Meck & Co., assignor to Walter F. Meck, Schuylkill Haven, Pa. Knit underwear. 113,277; renewed Oct. 10, 1936.
Merske, Lawrence J., doing business as Sheerstep Hosiery Company, Milwaukee, Wis. Hosiery. 335,334; June 2; Serial No. 374,423; published Mar. 24, 1936. Class 39.
Merton, Charles S., & Co., East Rutherford, N. J. Apparel. 335,420; June 2; Serial No. 373,142; published Mar. 17, 1936. Class 39.
Merton, Charles S., & Co., East Rutherford, N. J. Apparel. 335,442; June 2; Serial No. 372,785; published Mar. 17, 1936. Class 39.
Meyers Brothers, Lexington, Ky. Trousers. 335,347; June 2; Serial No. 372,982; published Mar. 17, 1936. Class 39.
Miami Products & Chemical Co., The, Dayton, Ohio. Concentrated liquid bluing and an ammonia cleaning compound. 335,465; June 2; Serial No. 374,470; published Mar. 24, 1936. Class 6.
Mlani's, Inc., Seattle, Wash. Spaghetti. 335,359; June 2; Serial No. 354,852; published Mar. 24, 1936. Class 46.
Milk Minerals Co. Inc., New York, N. Y., now by change of name to Protein Mineral Co. Inc., assignor to Milk Minerals Co. Inc. Powdered whey concentrate with added milk minerals. 335,494; June 2; Serial No. 366,205; published Sept. 10, 1935. Class 46.
Mishawaka Woolen Manufacturing Company, by change of name to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Rubber shoes. 109,757; renewed Apr. 18, 1936.
Mishawaka Woolen Manufacturing Company, by change of name to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Boots and socks. 109,758; renewed Apr. 18, 1936.
Mishawaka Woolen Manufacturing Company, by change of name to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Hosiery. 110,864; renewed June 13, 1936.
Mishawaka Woolen Manufacturing Company, by change of name to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Boots. 111,649; renewed July 25, 1936.
Missouri Portland Cement Company, St. Louis, Mo. Portland cement. 335,281; June 2; Serial No. 371,647; published Feb. 25, 1936. Class 12.
Monarch Garment Co. Inc., New York, N. Y. Cloaks, suits, and coats. 335,336–7; June 2; Serial Nos. 374,375–6; published Mar. 24, 1936. Class 39.
Monarch Orange Company, The, Wildwood, Fla., and Cleveland, Ohio. Oranges. 335,443; June 2; Serial No. 374,014; published Mar. 24, 1936. Class 46.
Monarch Shoe Company, Chicago, Ill. Shoes. 335,430; June 2; Serial No. 373,389; published Mar. 3, 1936. Class 39.
Monarch Shoe Company, Chicago, Ill. Leather shoes. 335,488; June 2; Serial No. 364,883; published Mar. 3, 1936. Class 39.
National Boiler Improvement Co., Washington, D. C. Paints and protective coatings for metal surfaces. 335,363; June 2; Serial No. 372,682; published Mar. 24, 1936. Class 16.
National Distillers Products Corporation. (See Penn-Maryland Corporation, assignor.)
National Institute of Nutrition, Los Angeles, Calif., and Buffalo, N. Y. Liquid vitamin D concentrate. 335,463; June 2; Serial No. 374,430; published Mar. 24, 1936. Class 6.
National Marking Machine Company, The, Cincinnati, Ohio. Laundry marking machines. 335,412; June 2; Serial No. 374,297; published Mar. 24, 1936. Class 24.
Nebb Products Corp., New York, N. Y. Shoe dressing, shoe polish, and dry cleaners. 335,436; June 2; Serial No. 373,537; published Mar. 17, 1936. Class 4.
Nebel, Oscar, Co., Inc., Hatboro, Pa. Hosiery. 335,439; June 2; Serial No. 373,584; published Mar. 24, 1936. Class 39.
Negri, Anton C., doing business as General Dairy Products Company, Chicago, Ill. Artificial flavor. 335,306; June 2; Serial No. 370,223; published Mar. 24, 1936. Class 46.
New England Vinegar Works, Inc., The, Somerville, Mass. Vinegars. 335,425; June 2; Serial No. 373,318; published Mar. 17, 1936. Class 46.
New York Knife Company, New York, N. Y., assignor to Imperial Knife Company, Inc., Providence, R. I. Pocket and table cutlery. 109,927; renewed Apr. 25, 1936.
Nobil Shoe Company, The, Akron, Ohio. Children's leather shoes. 335,515; June 2. Class 39.
Northwestern Barb Wire Company, Sterling, Ill. Wire bale ties. 335,513; June 2. Class 13.
Nu-Way Shoe Company, New York, N. Y. Shoes. 335,385; June 2; Serial No. 371,885; published Mar. 17, 1936. Class 39.
Nu-Whip Corp., New York, N. Y. Devices for mixing or whipping cream and other foods. 335,269; June 2; Serial No. 371,396; published Mar. 24, 1936. Class 23.
Ogus, Rabinovich & Ogus, Inc., New York, N. Y. Ladies' hats. 335,306; June 2; Serial No. 370,224; published Mar. 17, 1936. Class 39.
Old Ben Coal Corporation, Chicago, Ill. Coal. 335,444; June 2; Serial No. 374,018; published Mar. 24, 1936. Class 1.
Old Quaker Company, The, Lawrenceburg, Ind. Whiskey, gin, rum, etc. 335,365; June 2; Serial No. 357,022; published Nov. 13, 1934. Class 49.
Oliver, Ludwell S., doing business as Buxom Company, Irondale, Ala. Maltless, concentrated syrup for soft drinks. 335,476; June 2; Serial No. 374,206; published Mar. 24, 1936. Class 45.
Oppenheim, Collins & Co., Inc., Wilmington, Del., New York, Brooklyn, and Buffalo, N. Y., and Philadelphia, Pa. Handbags. 335,466; June 2; Serial No. 374,477; published Mar. 24, 1936. Class 3.
Osborn, C. J., Co., New York, N. Y. Chips and pastes of a composition comprising cellulose esters, etc. 335,286; June 2; Serial No. 373,931; published Mar. 24, 1936. Class 1.
Panama Lubricants Company, by change of name to The Pennzoil Company, Los Angeles, Calif. Lubricants. 111,759; renewed Aug. 1, 1936.
Paper Dispensers, Inc., Chicago, Ill. Metal cabinets. 335,500; June 2. Class 2.
Parker Pen Company, The, Janesville, Wis. Fountain pens, mechanical pencils, and desk sets. 335,353; June 2; Serial No. 352,099; published Jan. 15, 1935. Class 37.
Patons & Baldwins, Limited, Halifax, England. Printed publications. 335,299; June 2; Serial No. 373,614; published Mar. 17, 1936. Class 38.
Peninsular Paint & Varnish Co., Detroit, Mich. Paints, enamels, stains, etc. 335,304; June 2; Serial No. 370,360; published Mar. 24, 1936. Class 16.
Penn-Maryland Corporation, assignor, by mesne assignments, to National Distillers Products Corporation, New York, N. Y. Whiskey. 335,489; June 2; Serial No. 364,929; published July 2, 1935. Class 49.
Pennstate Cigar Corporation, Philadelphia, Pa. Cigars. 335,450; June 2; Serial No. 374,056; published Mar. 24, 1936. Class 17.
Pennzoil Company, The. (See Panama Lubricants Company.)
Pietzuch, Joseph, Glendale, Calif. Rubber heels. 335,380; June 2; Serial No. 367,088; published Sept. 10, 1935. Class 39.
Plymouth Rock Gelatine Company, Boston, Mass. Gelatine and gelatine compound. 335,427; June 2; Serial No. 373,343; published Mar. 24, 1936. Class 46.
Powers, Walter P., Chicago, Ill. Whiskey. 335,503–4; June 2. Class 49.
Protein Mineral Co. Inc. (See Milk Minerals Co. Inc.)
Public Ledger, Inc., Philadelphia, Pa. Cartoon feature. 335,291; June 2; Serial No. 373,801; published Mar. 17, 1936. Class 38.
Pyroxylin Products, Inc., Chicago, Ill. Nitrocellulose lacquers and primers and thinners for such lacquers. 335,349; June 2; Serial No. 330,051; published Oct. 15, 1935. Class 16.
RCA Manufacturing Company, Inc., Camden, N. J. Radio and television receiving sets, kits, etc. 335,386; June 2; Serial No. 371,886; published Mar. 24, 1936. Class 21.
Radio Products Sales Co. (See Sexton, Charles F.)
Ramsay, Everett M., doing business as E. M. Ramsay, Chicago, Ill. Hair treating preparations. 335,290; June 2; Serial No. 373,802; published Mar. 24, 1936. Class 6.
Randolph Marketing Co., Los Angeles, Calif. Fresh fruits and fresh vegetables. 335,451; June 2; Serial No. 374,058; published Mar. 17, 1936. Class 46.
Ranin Garment Co., Inc., Syracuse, N. Y. Ladies' coats and suits. 335,477; June 2; Serial No. 374,209; published Mar. 24, 1936. Class 39.
Regal Brewing Company, Detroit, Mich. Beer. 335,394; June 2; Serial No. 372,432; published Mar. 24, 1936. Class 48.
Remiller Co., The, assignor to Darnee, Inc., New York, N. Y. Face-powders, talcum-powders, sachet-powders, etc. 110,684; renewed June 6, 1936.
Remington Arms Company, Inc., Bridgeport, Conn. Target throwing traps. 335,405–7; June 2; Serial Nos. 374,851–3; published Mar. 24, 1936. Class 22.
Renstrom, C. W., doing business as Tip-Top Products Company, Omaha, Nebr. Liquid solder. 335,485; June 2; Serial No. 363,063; published June 25, 1935. Class 5.
Renstrom, Carl W., doing business as Tip-Top Products Company, Omaha, Nebr. Hair curlers. 335,323; June 2; Serial No. 372,617; published Feb. 25, 1936. Class 40.
Rosen, Paul, doing business as Fawn Grove Mfg. Co., Fawn Grove, Pa. Overalls, pants, sportwear, etc. 335,294; June 2; Serial No. 373,654; published Mar. 24, 1936. Class 39.
Rosenau Bros., Inc., Philadelphia, Pa. Children's dresses, suits, playsuits, etc. 335,339; June 2; Serial No. 374,632; published Mar. 17, 1936. Class 39.

Rough Wear Clothing Co., Inc., Middletown, Pa., and New York, N. Y. Leather and cloth coats, shirts, jackets, etc. 335,497; June 2; Serial No. 366,776; published Oct. 1, 1935. Class 39.
Rubber-Latex-Poeder-Compagnie N. V., The Hague, Netherlands. Rubber in any form. 335,460; June 2; Serial No. 374,022; published Mar. 24, 1936. Class 1.
Rubenstein, Abraham, New York, N. Y. Sweat bands. 335,348; June 2; Serial No. 372,998; published Mar. 24, 1936. Class 39.
Rushmer, Linden A., doing business as Specialty Products Co., Oakland, Calif. Dental cement. 335,285; June 2; Serial No. 373,934; published Mar. 24, 1936. Class 44.
Russell & Co., Inc., New York, N. Y. Coffee. 335,399; June 2; Serial No. 372,572; published Mar. 17, 1936. Class 46.
Saart Bros. Company, Attleboro, Mass. Sterling silver toiletware, etc. 335,321; June 2; Serial No. 372,637; published Mar. 10, 1936. Class 28.
Schaaf, Paul, Newark, N. J. Razor blades. 335,344; June 2; Serial No. 372,934; published Mar. 24, 1936. Class 23.
Scheuer, Samuel, New York, N. Y. Hats and caps. 335,277; June 2; Serial No. 370,633; published Mar. 3, 1936. Class 39.
Scheuer, Samuel, New York, N. Y. Hats and caps. 335,434; June 2; Serial No. 373,501; published Feb. 25, 1936. Class 39.
Schleier, Louis, New York, N. Y. Anti-acid tablets. 335,335; June 2; Serial No. 374,386; published Mar. 17, 1936. Class 6.
Schneider & Armitage, New York, N. Y. Woolen and worsted piece goods. 335,508; June 2. Class 42.
Schoeneman, J., Incorporated, Baltimore, Md. Coats, vests, trousers, etc. 335,311; June 2; Serial No. 368,956; published Nov. 26, 1935. Class 39.
Schulte, D. A., Inc., New York, N. Y. Whiskey. 335,486; June 2; Serial No. 363,827; published Aug. 13, 1935. Class 49.
Schulte, D. A., Inc., New York, N. Y. Whiskey. 335,487; June 2; Serial No. 363,829; published Aug. 13, 1935. Class 49.
Schwartz & Lieberman, Inc., New York, N. Y. Play togs and snow suits for infants and children and hats to match. 335,275; June 2; Serial No. 370,814; published Mar. 24, 1936. Class 39.
Sears, Roebuck and Co., Chicago, Ill. Bicycles. 110,476; renewed May 23, 1936.
Sears, Roebuck and Co., Chicago, Ill. Cream and oil polish and polishing wax. 335,404; June 2; Serial No. 374,604; published Mar. 24, 1936. Class 16.
Selby Shoe Co., The, Portsmouth, Ohio. Women's shoes. 335,440; June 2; Serial No. 371,449; published Mar. 17, 1936. Class 39.
Sexton, Charles F., doing business as Radio Products Sales Co., Los Angeles, Calif. Radio receiving sets. 335,464; June 2; Serial No. 374,439; published Mar. 24, 1936. Class 21.
Sheerstep Hosiery Company. (See Merske, Lawrence J.)
Sherman Bros. Rainwear Corp., New York, N. Y. Raincoat. 335,274; June 2; Serial No. 370,969; published Mar. 24, 1936. Class 39.
Shoecraft, Inc., New York, N. Y. Women's shoes and women's hosiery. 335,361; June 2; Serial No. 355,587; published Mar. 3, 1936. Class 39.
Silver, Benjamin J., New York, N. Y. Shoes and insoles therefor. 335,387; June 2; Serial No. 371,980; published Mar. 3, 1936. Class 39.
Sklar, A., & Sons, Inc., doing business as Alpine Paint & Varnish Co., Yonkers, N. Y. Paints and varnishes. 335,309; June 2; Serial No. 369,249; published Mar. 24, 1936. Class 16.
Slater, J. & J., Inc., New York, N. Y., and Washington, D. C. Shoes. 335,283; June 2; Serial No. 373,981; published Mar. 17, 1936. Class 39.
Smith, Howard A. (See Hamill, Charles B., and Howard A. Smith.)
Smith, Landon P., Inc., Irvington, N. J. Holders for sand papers and other abrasive materials in sheet form. 335,495; June 2; Serial No. 366,692; published Aug. 20, 1935. Class 23.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Petroleum oils and greases. 335,314; June 2; Serial No. 368,786; published Mar. 17, 1936. Class 15.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Storage batteries. 335,409; June 2; Serial No. 374,344; published Mar. 24, 1936. Class 21.
Sokolinski, Jennie M., Brooklyn, N. Y. Shampoo for dogs. 335,333; June 2; Serial No. 374,216; published Mar. 17, 1936. Class 6.
Solomon, Philip, New York, N. Y. Beauty lotions. 335,288; June 2; Serial No. 373,862; published Mar. 17, 1936. Class 6.
Southern New England Fishermen's Association, Inc., The, Mystic, Conn. Fresh salt water fish, lobsters, crabs, etc. 335,324; June 2; Serial No. 372,613; published Mar. 17, 1936. Class 46.
Specialty Products Co. (See Rushmer, Linden A.)
Standard Brewing Company, Inc., Rochester, N. Y. Ale and beer. 335,340; June 2; Serial No. 374,608; published Mar. 24, 1936. Class 48.
Star Bottling Works, Inc., Philadelphia, Pa. Maltless beverages, and syrups and extracts for making the same. 335,383; June 2; Serial No. 371,789; published Mar. 24, 1936. Class 45.
Star Company, to King Features Syndicate, Inc., New York, N. Y., successor. Newspaper-section. 111,109; renewed June 27, 1936.
Sternau, S., & Co., assignor, by mesne assignments, to Sterno Corporation, New York, N. Y. Solid fuel composed mainly of alcohol. 112,328; renewed Aug. 29, 1936.
Sterno Corporation. (See Sternau, S., & Co., assignor.)
Stetson, John B., Company, Philadelphia, Pa. Hats and caps. 335,400; June 2; Serial No. 372,573; published Mar. 3, 1936. Class 39.
Stokes, F. J., Machine Company, Philadelphia, Pa. Pharmaceutical and chemical apparatus. 335,267; June 2; Serial No. 367,689; published Mar. 24, 1936. Class 23.
Stone, Max, New York, N. Y. Caps for protecting women's hair. 335,414; June 2; Serial No. 373,003; published Mar. 24, 1936. Class 39.
Sun Tan Products Co. (See Brockway, Spencer D.)
Sunset Oil Company, Los Angeles, Calif. Gasoline. 335,375; June 2; Serial No. 361,127; published Mar. 3, 1936. Class 15.
Surbrug, Jno. W., New York, N. Y. Crackers and biscuits. 335,268; June 2; Serial No. 371,456; published Mar. 24, 1936. Class 46.
Taylor, K., Distilling Company, Inc., The, Frankfort, Ky. Whisky, gin, rum, etc. 335,509; June 2. Class 49.
Tennessee Mineral Products Corporation, New York, N. Y. Kyanite. 335,329; June 2; Serial No. 374,257; published Mar. 24, 1936. Class 1.
Tip-Top Products Company. (See Renstrom, C. W.)
Tovrea Packing Company, Phoenix, Ariz. Bacon and picnics. 335,492; June 2; Serial No. 366,124; published Mar. 24, 1936. Class 46.
Tremont Mills Corporation, New York, N. Y. Woven cord for trimming and ornamental purposes. 335,364; June 2; Serial No. 372,750; published Mar. 3, 1936. Class 40.
Turney, J. G., & Son, Ltd., Wilmington, Del., assignor to The James Martin (Scotch Distillers) Corporation, New York, N. Y. Whisky. 335,350; June 2; Serial No. 344,302; published Mar. 13, 1934. Class 49.
United-Carr Fastener Corporation, Cambridge, Mass. Leather buttons. 335,351; June 2; Serial No. 346,139; published Mar. 3, 1936. Class 40.
United Dairy Equipment Company, West Chester, Pa. Machines known as milk separators, emulsifiers, clarifiers, etc. 335,491; June 2; Serial No. 365,054; published Mar. 24, 1936. Class 23.
United States Playing Card Company, The, Cincinnati, Ohio. Playing cards. 335,501; June 2. Class 22.
United States Rubber Products, Inc. (See Firestone Footwear Company, assignor.)
Vadsco Sales Corporation. (See Vivaudou, V., Inc., assignee.)
Valley Forge Envelope & Paper Company, Philadelphia, Pa. Papers. 335,413; June 2; Serial No. 374,306; published Mar. 24, 1936. Class 37.
Valley Maid Co. (See Hooper, Sidney W.)
Venice Celery Distributors, Los Angeles, Calif. Fresh vegetables. 335,332; June 2; Serial No. 374,221; published Mar. 24, 1936. Class 46.
Vermont Marble Company, Proctor, Vt. Translucent marble slabs. 335,467; June 2; Serial No. 374,501; published Mar. 24, 1936. Class 1.
Vivaudou, V., Inc., New York, N. Y., assignor, by mesne assignments, to Vadsco Sales Corporation, Long Island City, N. Y. Pharmaceutical preparations. 112,957; renewed Oct. 3, 1936.
Vivaudou, V., Inc., New York, N. Y., assignor, by mesne assignments, to Vadsco Sales Corporation, Long Island City, N. Y. Pharmaceutical preparations. 112,959–60; renewed Oct. 3, 1936.
Vogt Processes, Incorporated, Louisville, Ky. Frozen confections. 335,298; June 2; Serial No. 373,626; published Mar. 24, 1936. Class 46.
Volk Bros. Company, Inc., Dallas, Tex. Shoes. 335,391; June 2; Serial No. 372,224; published Mar. 17, 1936. Class 39.
Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Snap fasteners. 335,423; June 2; Serial No. 373,276; published Mar. 24, 1936. Class 40.
Walker, Hiram, & Sons, Inc., Peoria, Ill. Whiskey. 335,366; June 2; Serial No. 357,264; published Nov. 27, 1934. Class 49.
Walsh, James N., New York, N. Y. Soles and heels for shoes. 335,470; June 2; Serial No. 374,170; published Mar. 24, 1936. Class 39.
Warner Bros. Pictures, Inc., New York, N. Y. Motion picture films. 335,328; June 2; Serial No. 374,262; published Mar. 24, 1936. Class 26.
Wausau Brewing Company, Wausau, Wis. Malt beverages. 335,368; June 2; Serial No. 358,537; published Jan. 22, 1935. Class 48.
Waverly Oil Works Company, Pittsburgh, Pa. Lubricating oils and greases. 335,318; June 2; Serial No. 368,912; published Mar. 10, 1936. Class 15.

Weir, J. Ebb., & Co. Inc., Brooklyn, N. Y. Cut flowers. 335,270; June 2; Serial No. 371,241; published Mar. 24, 1936. Class 1.

Western Clock Company, Peru, Ill. Radio receiving and broadcasting sets, and parts therefor. 335,493; June 2; Serial No. 366,130; published Mar. 24, 1936. Class 21.

White, David J., doing business as D. J. White Distilling Company, Baltimore, Md., assignor to Distillers Corporation, Limited, Montreal, Canada. Whiskey, gin, brandy, etc. 335,352; June 2; Serial No. 347,479; published Apr. 10, 1934. Class 49.

Whittemore Bros. Corp., Cambridge, Mass. Compositions for cleaning, dressing, polishing sheet materials. 335,343; June 2; Serial No. 372,866; published Mar. 17, 1936. Class 4.

Winton Lumber Company, Minneapolis, Minn. Lumber. 335,506; June 2. Class 12.

Wohl Shoe Company, St. Louis, Mo. Shoes. 335,381; June 2; Serial No. 367,011; published Mar. 17, 1936. Class 39.

Wulf Bros. Inc., New York, N. Y. Suits, overcoats, and topcoats. 335,437; June 2; Serial No. 373,548; published Mar. 24, 1936. Class 39.

LIST OF REGISTRANTS OF LABELS

Derris, Inc., New York, N. Y. Air Tox. For an Insecticide. 47,493; June 2.

Esposito, James, Philadelphia, Pa. Primo Gassosa. For a Soft Drink. 47,494; June 2.

French Renovating Company, The, Cleveland, Ohio. French Fabric Cleaner. For a Liquid Preparation for Cleaning Fabrics. 47,495; June 2.

Gall-Flow Laboratories, Inc., Cleveland, Ohio. Gall-Flo. For a Medicinal Preparation for Alleviating Distress and Biliousness Arising from a Sluggish Flow of Bile. 47,496; June 2.

Hathaway Bakeries, Inc., Cambridge, Mass. Guest Bread. For Bread. 47,497; June 2.

Kemp, E. F., Inc., Somerville, Mass. Kemp's Fruits and Nuts—Chocolate Covered. For Chocolate Covered Fruits and Nuts. 47,498; June 2.

Krug, George A., Baking Company, doing business as Krug Baking Co. Jamaica, L. I., N. Y. Skipper Jim Cookies. For Cookies. 47,499; June 2.

Locatelli, Ercole H., doing business as Mattia Locatelli, New York, N. Y. Estratto Di Pomodoro Locatelli. For Tomato Paste. 47,500; June 2.

Los Angeles Brewing Co., Los Angeles, Calif. Castleton. For Dry Gin. 47,501; June 2.

Mead Johnson & Company, Evansville, Ind. Cemac. For a Food Free from Cereal, Egg, and Milk. 47,502; June 2.

Miller Wholesale Drug Company, Cleveland, Ohio. Boots White Shoe Cleaner. For a White Shoe Cleaner. 47,503; June 2.

Naylee Chemical Company, Philadelphia, Pa. The Rainbow Guaranty. For a Liquid Cleaning and Washing Compound. 47,504; June 2.

New York Toy & Game Co. Inc., New York, N. Y. G-Men Outfit. For Toy Detective Outfits. 47,505; June 2.

Penick & Ford, Ltd. Incorporated, New York, N. Y. Penick. For Syrup. 47,506; June 2.

Penick & Ford, Ltd. Incorporated, New York, N. Y. Velva (Blue Label with Red Letters). For Golden Syrup. 47,507; June 2.

Penick & Ford, Ltd. Incorporated, New York, N. Y. Velva (Red Label with Blue Letters). For Crystal White Syrup. 47,508; June 2.

Petersen, P. F., Baking Co., Omaha, Nebr. Peter Pan Wheat. For Bread. 47,509; June 2.

Philadelphia Dairy Products Company, Inc., doing business as Philadelphia Dairy Products Company, Philadelphia, Pa. Darlene the New French Ice Cream. For Ice Cream. 47,510; June 2.

Powers, Walter P., Chicago, Ill. Wood-Stock. For Kentucky Straight Bourbon. 47,511; June 2.

Produce Conditioners, Incorporated, Miami, Fla. Conditioned. For Produce. 47,512; June 2.

Rectified Products Corporation, The, Union City, N. J. Signal Seal Rye Rectified Whiskey. For Rectified Rye Whiskey. 47,513; June 2.

Roddenberry, W. B., Co., Cairo, Ga. Happy Kids. For Syrup. 47,514; June 2.

Southern Friction Materials Company, Charlotte, N. C. Multi-Friction Brake Set. For Multi-Friction Brake Sets. 47,515; June 2.

Sutherland Paper Company, Kalamazoo, Mich. Smoke's Brand Fancy, Creamery Butter, No. 602–O. S. For Butter. 47,516; June 2.

Vortex Cup Company, Chicago, Ill. A Strawberry 'Tak-Home' Sundae. For Sundaes. 47,517; June 2.

Vortex Cup Company, Chicago, Ill. A Cherry 'Tak-Home' Sundae. For Sundaes. 47,518; June 2.

Vortex Cup Company, Chicago, Ill. A Pineapple 'Tak-Home' Sundae. For Sundaes. 47,519; June 2.

Vortex Cup Company, Chicago, Ill. A Chocolate 'Tak-Home' Sundae. For Sundaes. 47,520; June 2.

Walters, Harry, Kansas City, Mo. Treasure Island. For California Wine. 47,521; June 2.

Western Bakeries Corporation Ltd., Los Angeles, Calif. Dolly Maid. For Melba Toast. 47,522; June 2.

LIST OF REGISTRANTS OF PRINTS

Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Spearmint Gum. For Spearmint Gum. 15,711; June 2.

Gantner & Mattern Company, San Francisco, Calif. Gantner Swim Suits & Wikies, Favorite of Water Lovers. For Swim Suits. 15,712; June 2.

Sexhauer, J. A., Mfg. Co. Inc., New York, N. Y. Mule-Kick. For Drain Cleaner, Closet Bowl Cleaner and Creme Porcelain Polish. 15,713; June 2.

Wolf Company, The, Philadelphia, Pa. One Man Tells Another. For Cigars. 15,714; June 2.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Chips and pastes of a composition comprising cellulose esters, etc. C. J. Osborn Co. 335,286; June 2; Serial No. 373,931; published Mar. 24, 1936.

Coal. Old Ben Coal Corporation. 335,444; June 2; Serial No. 374,018; published Mar. 24, 1936.

Flowers, Cut. J. Ebb. Weir & Co. Inc. 335,270; June 2; Serial No. 371,241; published Mar. 24, 1936.

Kyanite. Tennessee Mineral Products Corporation. 335,329; June 2; Serial No. 374,257; published Mar. 24, 1936.

Marble slabs, Translucent. Vermont Marble Company. 335,467; June 2; Serial No. 374,501; published Mar. 24, 1936.

Rubber in any form. Rubber-Latex-Poeder-Compagnie N. V. 335,460; June 2; Serial No. 374,022; published Mar. 24, 1936.

CLASS 2

Boxes, powder containers, etc., Vanity and rouge. Elgin American Company. 335,360; June 2; Serial No. 354,927; published Oct. 9, 1934.

Cabinets, Metal. Paper Dispensers, Inc. 335,500; June 2.

CLASS 3

Handbags. Oppenheim, Collins & Co. Inc. 335,466; June 2; Serial No. 374,477; published Mar. 24, 1936.

Luggage. B. R. Bright. 335,338; June 2; Serial No. 374,355; published Mar. 24, 1936.

CLASS 4

Cleaner, Shoe. Beau Peep Products. 335,303; June 2; Serial No. 372,759; published Mar. 17, 1936.

Compositions for cleaning, dressing, polishing sheet materials. Whittemore Bros. Corp. 335,343; June 2; Serial No. 372,866; published Mar. 17, 1936.

Dressing, shoe polish, and dry cleaners, Shoe. Nebb Products Corp. 335,436; June 2; Serial No. 373,537; published Mar. 17, 1936.

CLASS 5

Solder, Liquid. C. W. Renstrom. 335,485; June 2; Serial No. 363,063; published June 25, 1935.

CLASS 6

Antiseptics, germicides, and deodorants. Bethlehem Laboratories, Inc. 335,345–6; June 2; Serial Nos. 372,951–2; published Mar. 17, 1936.

Astringents, cleansing cream, all purpose creams, etc. F. Elmquist. 335,426; June 2; Serial No. 373,334; published Mar 24, 1936.

Bluing and an ammonia cleaning compound, Concentrated liquid. Miami Products & Chemical Co. 335,465; June 2; Serial No. 374,470; published Mar. 24, 1936.

Fuel composed mainly of alcohol, Solid. S. Sternau & Co. 112,328; renewed Aug. 29, 1936.

Hair treating preparations. E. M. Ramsay. 335,290; June 2; Serial No. 373,802; published Mar. 24, 1936.

Hair wave setting solution. La Fain Inc. 335,435; June 2; Serial No. 373,532; published Mar. 24, 1936.

Laxative compound. Clermont Chemical Co. 335,276; June 2; Serial No. 370,696; published Mar. 24, 1936.

Lotions, Beauty. P. Solomon. 335,288; June 2; Serial No. 373,862; published Mar. 17, 1936.

Magnesium hydroxides, magnesium oxides, and magnesium carbonates. Marine Chemicals Company. 335,475; June 2; Serial No. 374,202; published Mar. 17, 1936.

Nail white, shampoo, hair oil, etc. B. Culver. 335,421; June 2; Serial No. 373,165; published Mar. 24, 1936.

Ointment for use as a surgical dressing. Epicol Products Company. 335,287; June 2; Serial No. 373,867; published Mar. 24, 1936.

Pharmaceutical preparations. V. Vivaudou, Inc. 112,957; renewed Oct. 3, 1936.

Pharmaceutical preparations. V. Vivaudou. 112,959–60; renewed Oct. 3, 1936.

Photographic developer. H. H. Fries. 335,403; June 2; Serial No. 374,583; published Mar. 24, 1936.

Powder, Douche. Green Cross Pharmaceutical Products, Inc. 335,316; June 2; Serial No. 368,412; published Nov. 12, 1935.

Powders, talcum-powders, sachet-powders, etc., Face. Remiller Co. 110,684; renewed June 6, 1936.

Preparation for the treatment of sunburn, poison oak and ivy, etc. S. D. Brockway. 335,378; June 2; Serial No. 367,230; published Mar. 24, 1936.

Preservative coating for eggs. Geo. H. Lee Company. 112,908; renewed Oct. 3, 1936.

Shampoo. H. W. Hilker. 335,310; June 2; Serial No. 369,082; published Mar. 24, 1936.

Shampoo for dogs. J. M. Sokolinski. 335,333; June 2; Serial No. 374,216; published Mar. 17, 1936.

Tablets, Anti-acid. L. Schleier. 335,335; June 2; Serial No. 374,386; published Mar. 17, 1936.

Vitamin D concentrate, Liquid. National Institute of Nutrition. 335,463; June 2; Serial No. 374,430; published Mar. 24, 1936.

CLASS 8

Boxes and trays for tobacco and cigarettes, and ash trays. Ornamental. Kensington, Incorporated. 335,474; June 2; Serial No. 374,201; published Mar. 24, 1936.

Pipes, ashtrays, ash receivers, etc., Smokers'. London House, Ltd. 335,511; June 2.

CLASS 12

Cement, Portland. Missouri Portland Cement Company. 335,281; June 2; Serial No. 371,647; published Feb. 25, 1936.

Lumber. Winton Lumber Company. 335,506; June 2.

CLASS 13

Wire bale ties. Northwestern Barb Wire Company. 335,513; June 2.

Wire, Barbed. American Steel and Wire Company of New Jersey. 335,355–6; June 2; Serial Nos. 352,952; published Mar. 17, 1936.

Wire, Barbed. American Steel and Wire Company of New Jersey. 335,358; June 2; Serial No. 354,067; published Mar. 3, 1936.

CLASS 14

Metal anodes, castings, sheets, rods, etc. International Nickel Company. 335,374; June 2; Serial No. 361,094; published Mar. 24, 1936.

Metal for pails, Sheet. International Nickel Company. 335,373; June 2; Serial No. 361,092; published Mar. 24, 1936.

Steel in bars, billets, and shapes. Carpenter Steel Company. 335,498; June 2.

Steel in bars, billets, and shapes. Carpenter Steel Company. 335,505; June 2.

Steel in bars, billets, and shapes. Carpenter Steel Company. 335,512; June 2.

CLASS 15

Gasoline. Feldman Petroleum Company. 335,479; June 2; Serial No. 362,022; published Mar. 3, 1936.

Gasoline. Sunset Oil Company. 335,375; June 2; Serial No. 361,127; published Mar. 3, 1936.

Lubricants. Los Angeles Refinoil Corporation. 335,289; June 2; Serial No. 373,832; published Mar. 17, 1936.

Lubricants. Panama Lubricants Company. 111,759; renewed Aug. 1, 1936.

Oils and greases, Lubricating. Waverly Oil Works Company. 335,313; June 2; Serial No. 368,912; published Mar. 10, 1936.

Petroleum oils and greases. Socony-Vacuum Oil Company. 335,314; June 2; Serial No. 368,786; published Mar. 17, 1936.

CLASS 16

Lacquers and primers and thinners for such lacquers, Nitrocellulose. Pyroxylin Products, Inc. 335,349; June 2; Serial No. 330,051; published Oct. 15, 1935.

Paints and protective coatings for metal surfaces. National Boiler Improvement Co. 335,363; June 2; Serial No. 372,682; published Mar. 24, 1936.

Paints and varnishes. A. Sklar & Sons, Inc. 335,309; June 2; Serial No. 369,249; published Mar. 24, 1936.

Paints, enamels, stains, etc. Peninsular Paint & Varnish Co. 335,304; June 2; Serial No. 370,360; published Mar. 24, 1936.

Polish and polishing wax, Cream and oil. Sears, Roebuck and Co. 335,404; June 2; Serial No. 374,604; published Mar. 24, 1936.

CLASS 17

Cigars. Pennstate Cigar Corporation. 335,450; June 2; Serial No. 374,056; published Mar. 24, 1936.

Cigars. Webster Eisenlohr, Inc. 335,273; June 2; Serial No. 370,980; published Mar. 24, 1936.

Cigars. Webster Eisenlohr, Inc. 335,415–16; June 2; Serial Nos. 373,005–6; published Mar. 24, 1936.

CLASS 19

Bicycles. Sears, Roebuck and Co. 110,476; renewed May 23, 1936.

CLASS 21

Batteries, Storage. Socony-Vacuum Oil Company. 335,409; June 2; Serial No. 374,344; published Mar. 24, 1936.

Radio and television receiving sets, kits, etc. RCA Manufacturing Company. 335,386; June 2; Serial No. 371,886; published Mar. 24, 1936.

Radio receiving and broadcasting sets, and parts therefor. Western Clock Company. 335,493; June 2; Serial No. 366,130; published Mar. 24, 1936.

Radio receiving sets. C. F. Sexton. 335,464; June 2; Serial No. 374,439; published Mar. 24, 1936.

Trolley reels, trolley wheels, etc., Electric. Jeffrey Manufacturing Company. 335,319; June 2; Serial No. 371,638; published Mar. 24, 1936.

CLASS 22

Cards, Playing. United States Playing Card Company. 335,501; June 2.

Dolls. B. Behrman. 335,326; June 2; Serial No. 374,268; published Mar. 24, 1936.

Dolls. B. Behrman. 335,325; June 2; Serial No. 374,270; published Mar. 24, 1936.

Dolls. B. Behrman. 335,410; June 2; Serial No. 374,273; published Mar. 24, 1936.

Fishing rods. Gephart Manufacturing Co. 335,411; June 2; Serial No. 374,292; published Mar. 24, 1936.

Target throwing traps. Remington Arms Company. 335,405–7; June 2; Serial Nos. 374,851–3; published Mar. 24, 1936.

CLASS 23

Devices for mixing or whipping cream and other foods. Nu-Whip Corp. 335,269; June 2; Serial No. 371,396; published Mar. 24, 1936.

Holders for sand papers and other abrasive materials in sheet form. Landon P. Smith, Inc. 335,495; June 2; Serial No. 366,692; published Aug. 20, 1935.

Machine conveyors, coal cutters, elevators, etc. Jeffrey Manufacturing Company. 335,282; June 2; Serial No. 371,639; published Mar. 24, 1936.

Machines known as milk separators, emulsifiers, clarifiers, etc. United Dairy Equipment Company. 335,491; June 2; Serial No. 365,054; published Mar. 24, 1936.

Pharmaceutical and chemical apparatus. F. J. Stokes Machine Company. 335,267; June 2; Serial No. 367,689; published Mar. 24, 1936.

Razor blades. P. Schaaf. 335,344; June 2; Serial No. 372,934; published Mar. 24, 1936.

Razors and razor blades. Conrad Razor Blade Co. Inc. 335,417; June 2; Serial No. 373,098; published Mar. 24, 1936.

CLASS 24

Laundry making machines. National Marking Machine Company. 335,412; June 2; Serial No. 374,297; published Mar. 24, 1936.

CLASS 26

Films, Motion picture. Warner Bros. Pictures, Inc. 335,328; June 2; Serial No. 374,262; published Mar. 24, 1936.

CLASS 27

Clocks. E. Ingraham Company. 335,454; June 2; Serial No. 374,086; published Mar. 24, 1936.

Watches. Bulova Watch Company. 335,455–7; June 2; Serial Nos. 374,122–4; published Mar. 24, 1936.

CLASS 28

Cutlery, Pocket and table. New York Knife Company. 109,927; renewed Apr. 25, 1936.

Silver tableware, etc., Sterling. Saart Bros. Company. 335,321; June 2; Serial No. 372,637; published Mar. 10, 1936.

CLASS 30

Chinaware. Theodore Haviland & Co. Incorporated. 335,293; June 2; Serial No. 373,785; published Mar. 24, 1936.

CLASS 31

Freezers, Ice cream. Cherry-Burrell Corporation. 335,369; June 2; Serial No. 359,271; published Mar. 17, 1936.

Refrigerators and parts thereof. Judson C. Burns, Inc. 335,449; June 2; Serial No. 374,579; published Mar. 24, 1936.

CLASS 32

Furniture, Children's. Child Craft Guild, Inc. 335,418; June 2; Serial No. 373,128; published Mar. 24, 1936.

CLASS 37

Ink stands, desk sets, racks, etc., of base metal. Kensington, Incorporated. 335,473; June 2; Serial No. 374,199; published Mar. 24, 1936.

Paper and slip sheets. Cromwell Paper Co. 335,307; June 2; Serial No. 369,993; published Mar. 24, 1936.

Paper receptacles such as envelopes. Brown Bag Filling Machine Co. 335,382; June 2; Serial No. 371,673; published Mar. 3, 1936.

Paper, Transfer. Coughlin Manufacturing Company. 335,376; June 2; Serial No. 361,708; published Mar. 24, 1936.

Papers. Valley Forge Envelope & Paper Company. 335,413; June 2; Serial No. 374,306; published Mar. 24, 1936.

Pens, mechanical pencils, and desk sets, Fountain. Parker Pen Company. 335,353; June 2; Serial No. 352,099; published Jan. 15, 1935.

Tissue, Toilet. A. P. W. Paper Company. 335,445–7; June 2; Serial Nos. 374,505–7; published Mar. 24, 1936.

CLASS 38

Cartoon feature. Public Ledger, Inc. 335,291; June 2; Serial No. 373,801; published Mar. 17, 1936.

Cartoon strip. Werther Friedman, Inc. 335,272; June 2; Serial No. 371,124; published Mar. 17, 1936.

Cartoons. H. Armstrong. 335,384; June 2; Serial No. 371,804; published Mar. 17, 1936.

Newspaper-section. Star Company. 111,100; renewed June 27, 1936.

Newspapers, Daily and Sunday. Journal-Herald Publishing Company. 335,301; June 2; Serial No. 372,773; published Mar. 17, 1936.

Periodical. Manson Publishing Corporation. 335,300; June 2; Serial No. 373,611; published Mar. 17, 1936.

Publications, Printed. Patons & Baldwins, Limited. 335,299; June 2; Serial No. 373,614; published Mar. 17, 1936.

Sheet music, books of musical compositions, and musical compositions. Harold Flammer, Incorporated. 335,388; June 2; Serial No. 372,008; published Mar. 17, 1936.

CLASS 39

Apparel. Charles S. Merton & Co. 335,420; June 2; Serial No. 373,142; published Mar. 17, 1936.

Apparel. Charles S. Merton & Co. 335,442; June 2; Serial No. 372,785; published Mar. 17, 1936.

Bandeaux and foundation garments. Lewel Mfg. Co. 335,469; June 2; Serial No. 374,146; published Mar. 24, 1936.

Bands, Sweat. A. Rubenstein. 335,348; June 2; Serial No. 372,998; published Mar. 24, 1936.

Boots. Mishawaka Woolen Manufacturing Company. 111,649; renewed July 25, 1936.

Boots and shoes. Hoge-Montgomery Company. 335,367; June 2; Serial No. 357,285; published Mar. 24, 1936.

Boots and shoes. International Shoe Co. 335,292; June 2; Serial No. 373,791; published Mar. 17, 1936.

Boots and socks. Mishawaka Woolen Manufacturing Company. 109,758; renewed Apr. 18, 1936.

Caps for protecting women's hair. M. Stone. 335,414; June 2; Serial No. 373,003; published Mar. 24, 1936.

Cloaks, suits, and coats. Monarch Garment Co. Inc. 335,336–7; June 2; Serial Nos. 374,375–6; published Mar. 24, 1936.

Clothing. Hahlo & Solomon Inc. 335,483; June 2; Serial No. 362,419; published Mar. 24 ,1936.

Clothing, Men's. Joseph & Feiss Company. 335,284; June 2; Serial No. 373,962; published Mar. 17, 1936.

Coats and suits. Lorch Manufacturing Company. 335,330; June 2; Serial No. 374,245; published Mar. 24, 1936.

Coats and suits, Ladies'. Kessler, Swarts & Co. 335,408; June 2; Serial No. 373,963; published Mar. 24, 1936.

Coats and suits, Ladies'. Ranin Garment Co. 335,477; June 2; Serial No. 374,209; published Mar. 24, 1936.

Coats, overcoats, veats, etc., Top. L. Greif & Bro., Incorporated. 335,468; June 2; Serial No. 374,138; published Mar. 17, 1936.

Coats, shirts, jackets, etc., Leather and cloth. Rough Wear Clothing Co. 335,497; June 2; Serial No. 366,776; published Oct. 1, 1935.

Coats, vests, trousers, etc. J. Schoeneman, Incorporated. 335,311; June 2; Serial No. 368,956; published Nov. 26, 1935.

Corsets, girdles, brassières, etc. Bestlyne Foundations Co. 335,322; June 2; Serial No. 372,621; published Mar. 3, 1936.

Corsets, girdles, brassières, etc. Fashion Brassiere Co. 335,320; June 2; Serial No. 372,663; published Mar. 3, 1936.

Counters for boots and shoes, Fibre. John M. Carrecabe, Inc. 335,471; June 2; Serial No. 374,179; published Mar. 24, 1936.

Dresses. Baronet Juniors, Inc. 335,424; June 2; Serial No. 373,294; published Mar. 17, 1936.

Dresses, frocks, aprons, etc. Donnelly Garment Company. 335,472; June 2; Serial No. 374,182; published Mar. 24, 1936.

Dresses, suits, play-suits, etc., Children's. Rosenau Bros., Inc. 335,329; June 2; Serial No. 374,632; published Mar. 17, 1936.

Footwear of rubber or rubber and fabric. Firestone Footwear Company. 335,354; June 2; Serial No. 352,477; published Aug. 20, 1935.

Frocks and dresses. Jos. S. Cohen & Sons Co. 335,458; June 2; Serial No. 374,128; published Mar. 17, 1936.

Garment, corset, girdles, etc., Foundation. L. Brill. 335,389; June 2; Serial No. 372,041; published Mar. 3, 1936.

Hats. S. L. Asch Corporation. 335,433; June 2; Serial No. 373,483; published Feb. 25, 1936.

Hats. Bernard Krulwich & Co. 335,362; June 2; Serial No. 372,673; published Feb. 25, 1936.

Hats and caps. S. Scheuer. 335,277; June 2; Serial No. 370,633; published Mar. 3, 1936.

Hats and caps. S. Scheuer. 335,434; June 2; Serial No. 373,501; published Feb. 25, 1936.

Hats and caps. John B. Stetson Company. 335,400; June 2; Serial No. 372,573; published Mar. 3, 1936.

Hats for children. L. Lewis & Son. 335,295; June 2; Serial No. 373,643; published Mar. 10, 1936.

Hats for men, Felt. Hat Corporation of America. 335,398; June 2; Serial No. 372,514; published Mar. 3, 1936.

Hats, Ladies'. Betmar Hats Inc. 335,297; June 2; Serial No. 373,633; published Mar. 10, 1936.

Hats, Ladies'. Debway Hats, Inc. 335,279; June 2; Serial No. 367,921; published Dec. 10, 1935.

Hats, Ladies'. Ogus, Rabinovich & Ogus, Inc. 335,305; June 2; Serial No. 370,224; published Mar. 17, 1936.

Hats, Men's. R. Cinelli & Figli S. A. 335,438; June 2; Serial No. 373,560; published Mar. 24, 1936.

Heels, Rubber. J. Pietzuch. 335,380; June 2; Serial No. 367,038; published Sept. 10, 1935.

Hosiery. L. J. Merske. 335,334; June 2; Serial No. 374,423; published Mar. 24, 1936.

Hosiery. Mishawaka Woolen Manufacturing Company. 110,864; renewed June 13, 1936.

Hosiery. Oscar Nebel Co. 335,439; June 2; Serial No. 373,584; published Mar. 24, 1936.

Overalls, pants, sportwear, etc. P. Rosen. 335,294; June 2; Serial No. 373,654; published Mar. 24, 1936.

Play togs and snow suits for infants and children and hats to match. Schwartz & Lieberman, Inc. 335,275; June 2; Serial No. 370,814; published Mar. 24, 1936.

Protectors for hats and caps, Head and sweat band. Gards Manufacturing Co. 335,331; June 2; Serial No. 374,238; published Mar. 24, 1936.

Raincoat. Sherman Bros. Rainwear Corp. 335,274; June 2; Serial No. 370,969; published Mar. 24, 1936.

Scarfs, collars, cuffs, etc. Levin & Gard. 335,448; June 2; Serial No. 374,526; published Mar. 24, 1936.

Scarfs, neckties, belts, and dresses. McCrossen Handwoven Textiles, Inc. 335,302; June 2; Serial No. 370,326; published Mar. 24, 1936.

Shirts with attached collars, detached collars to match, and separate white collars. Essley Shirt Company. 335,480; June 2; Serial No. 362,074; published July 16, 1935.

Shoes. B. Friedman Shoe Co. Inc. 335,318; June 2; Serial No. 368,173; published Feb. 25, 1936.

Shoes. Julian and Kokenge Co. 335,341; June 2; Serial No. 374,049; published Mar. 24, 1936.

Shoes. Longini Shoe Manufacturing Co. 335,402; June 2; Serial No. 374,053; published Mar. 24, 1936.

Shoes. Monarch Shoe Company. 335,430; June 2; Serial No. 373,389; published Mar. 3, 1936.

Shoes. Nu-Way Shoe Company. 335,385; June 2; Serial No. 371,885; published Mar. 17, 1936.

Shoes. J. & J. Slater, Inc. 335,283; June 2; Serial No. 373,981; published Mar. 17, 1936.

Shoes. Volk Bros. Company. 335,391; June 2; Serial No. 372,224; published Mar. 17, 1936.

Shoes. Wohl Shoe Company. 335,381; June 2; Serial No. 367,011; published Mar. 17, 1936.

Shoes and insoles therefor. B. J. Silver. 335,387; June 2; Serial No. 371,980; published Mar. 3, 1936.

Shoes and slippers. Groves Shoe Company. 335,422; June 2; Serial No. 373,257; published Mar. 17, 1936.

Shoes, and women's hosiery, Women's. Shoecraft, Inc. 335,361; June 2; Serial No. 355,587; published Mar. 3, 1936.

Shoes, Children's leather. Nobil Shoe Company. 335,515; June 2.

Shoes, Leather. Monarch Shoe Company. 335,488; June 2; Serial No. 364,883; published Mar. 3, 1936.

Shoes, Rubber. Mishawaka Woolen Manufacturing Company. 109,757; renewed Apr. 18, 1936.

Shoes, Women's. Selby Shoe Co. 335,440; June 2; Serial No. 371,449; published Mar. 17, 1936.

Slippers and shoes, Dancing. L. Harris. 335,490; June 2; Serial No. 365,035; published Mar. 17, 1936.

Slips and night gowns. David Korn & Co. 335,462; June 2; Serial No. 374,003; published Mar. 17, 1936.

Soles and heels for shoes. J. N. Walsh. 335,470; June 2; Serial No. 374,170; published Mar. 24, 1936.

Sportswear, David D. Doniger & Co. 335,459; June 2; Serial No. 374,131; published Mar. 24, 1936.

Sports wear. Jarvis & Marcus, Inc. 335,271; June 2; Serial No. 371,157; published Mar. 17, 1936.

Suits and overcoats. I. Freedman. 335,419; June 2; Serial No. 373,208; published Mar. 17, 1936.

Suits, Men's. Levy Bros. & Adler Rochester, Incorporated. 335,431; June 2; Serial No. 373,424; published Mar. 17, 1936.

Suits, overcoats, and topcoats. Wulf Bros. Inc. 335,437; June 2; Serial No. 373,548; published Mar. 24, 1936.

Suits, shirts, gloves, etc., Men's union. J. David. 335,308; June 2; Serial No. 369,734; published Nov. 26, 1935.

Suits, trousers, coats, etc., Men's. J. David. 335,280; June 2; Serial No. 367,754; published Mar. 17, 1936.

Trousers. Meyers Brothers. 335,347; June 2; Serial No. 372,962; published Mar. 17, 1936.

Undergarments, Children's. Little Duchess Undergarment Company. 335,317; June 2; Serial No. 368,376; published Mar. 24, 1936.

Underwear, Knit. Meck & Co. 113,277; renewed Oct. 10, 1936.

Underwear, Women's. Her Majesty Underwear Co. 335,452–3; June 2; Serial Nos. 374,083–4; published Mar. 24, 1936.

CLASS 40

Buttons, Leather. United-Carr Fastener Corporation. 335,351; June 2; Serial No. 346,139; published Mar. 3, 1936.

Cord for trimming and ornamental purposes, Woven. Tremont Mills Corporation. 335,364; June 2; Serial No. 372,750; published Mar. 3, 1936.

Hair curlers. C. W. Renstrom. 335,323; June 2; Serial No. 372,617; published Feb. 25, 1936.

Hose supporter tabs. Charles B. Hamill and Howard A. Smith. 335,370; June 2; Serial No. 360,093; published Mar. 17, 1936.

Laces, Leather boot and shoe. California Tanning Company. 335,390; June 2; Serial No. 372,043; published Mar. 17, 1936.

Snap fasteners. Waldes Koh-I-Noor, Inc. 335,423; June 2; Serial No. 373,276; published Mar. 24, 1936.

CLASS 42

Blankets, Woven and re-inforced. Wm. Ayres and Sons, Inc. 335,516; June 2.

Handkerchiefs. M. & K. Handkerchief Company. 335,507; June 2.

Woolen piece goods. Joseph & Feiss Company. 335,510; June 2.

Woolen and worsted piece goods. Schneider & Armitage. 335,508; June 2.

CLASS 44

Dental cement. L. A. Rushmer. 335,285; June 2; Serial No. 373,934; published Mar. 24, 1936.

CLASS 45

Beverages, and sirups and extracts for making the same, Maltless. Star Bottling Works, Inc. 335,383; June 2; Serial No. 371,789; published Mar. 24, 1936.

Beverages, Maltless. D. E. Bigelow. 335,461; June 2; Serial No. 374,702; published Mar. 24, 1936.

Extracts and concentrated fruit syrups, Maltless. J. F. Lazier Manufacturing Co. 335,496; June 2; Serial No. 366,721; published Oct. 15, 1935.

Syrup for soft drinks, Maltless, concentrated. L. S. Oliver. 335,476; June 2; Serial No. 374,206; published Mar. 24, 1936.

CLASS 46

Bacon and picnics. Tovrea Packing Company. 335,492; June 2; Serial No. 366,124; published Mar. 24, 1936.

Candy. Beech-Nut Packing Company. 335,327; June 2; Serial No. 374,267; published Mar. 24, 1936.

Candy and candy confections. C. A. Durofchalk. 335,296; June 2; Serial No. 373,636; published Mar. 24, 1936.

Canned apple sauce. Lyndonville Canning Co. Inc. 335,312; June 2; Serial No. 368,939; published Mar. 24, 1936.

Canned grapefruit juice and canned orange juice. Bruce's Juices, Inc. 335,392; June 2; Serial No. 372,390; published Mar. 17, 1936.

Canned peas. Elkhart Lake Canning Company. 335,514; June 2.

Canned salmon, shrimp, and oysters. Mavar Fish & Oyster Company. 335,278; June 2; Serial No. 370,622; published Mar. 24, 1936.

Canned vegetables. Lange Canning Company. 335,393; June 2; Serial No. 372,424; published Mar. 17, 1936.

Coffee. Russell & Co. 335,399; June 2; Serial No. 372,572; published Mar. 17, 1936.

Confections, Frozen. Vogt Processes, Incorporated. 335,298; June 2; Serial No. 373,626; published Mar. 24, 1936.

Crackers and biscuits. J. W. Surbrug. 335,268; June 2; Serial No. 371,456; published Mar. 24, 1936.

Feed, Dairy. Ada Milling Company. 335,499; June 2.

Fish, lobsters, crabs, etc., Fresh salt water. Southern New England Fishermen's Association. 335,324; June 2; Serial No. 372,613; published Mar. 17, 1936.

Flavor, Artificial. A. C. Negri. 335,306; June 21; Serial No. 370,223; published Mar. 24, 1936.

Fruits and fresh vegetables, Fresh. Randolph Marketing Co. 335,451; June 2; Serial No. 374,058; published Mar. 17, 1936.

Fruits, Dried and evaporated. California Packing Corporation. 335,482; June 2; Serial No. 362,290; published Mar. 24, 1936.

Fruits, Fresh citrus. S. P. Brown. 335,484; June 2; Serial No. 362,537; published Mar. 17, 1936.

Fruits, Fresh citrus. Donna Citrus Association. 335,395; June 2; Serial No. 372,462; published Mar. 24, 1936.

Fruits, Fresh citrus. Donna Citrus Association. 335,396; June 2; Serial No. 372,464; published Mar. 24, 1936.

Fruits, Fresh citrus. Donna Citrus Association. 335,401; June 2; Serial No. 372,466; published Mar. 24, 1936.

Gelatine and gelatine compound. Plymouth Rock Gelatine Company. 335,427; June 2; Serial No. 373,343; published Mar. 24, 1936.

Malt compounds. A. J. Hanten. 335,397; June 2; Serial No. 372,597; published Mar. 24, 1936.

Oleomargarin. John F. Jelke Company. 111,458; renewed July 18, 1936.

Oranges. Monarch Orange Company. 335,443; June 2; Serial No. 374,014; published Mar. 24, 1936.

Pepper sauce. McIlhenny Company. 335,342; June 2; Serial No. 372,843; published Mar. 24, 1936.

Potato chips. S. W. Hooper. 335,432; June 2; Serial No. 373,476; published Mar. 24, 1936.

Spaghetti. Milani's, Inc. 335,359; June 2; Serial No. 354,852; published Mar. 24, 1936.

Syrup, Table. American Syrup & Sorghum Co. 335,377; June 2; Serial No. 367,650; published Mar. 24, 1936.

Vegetables, Fresh. H. L. Lyons. 335,428–9; June 2; Serial No. 373,382–3; published Mar. 24, 1936.

Vegetables, Fresh. Venice Celery Distributors. 335,332; June 2; Serial No. 374,221; published Mar. 24, 1936.

Vinegars. New England Vinegar Works. 335,425; June 2; Serial No. 373,318; published Mar. 17, 1936.

Whey concentrate with added milk minerals, Powdered. Milk Minerals Co. 335,494; June 2; Serial No. 366,205; published Sept. 10, 1935.

CLASS 48

Ale. Haberle Congress Brewing Co. 335,357; June 2; Serial No. 354,036; published Nov. 20, 1934.

Ale and beer. Standard Brewing Company. 335,340; June 2; Serial No. 374,608; published Mar. 24, 1936.

Beer. Regal Brewing Company. 335,394; June 2; Serial No. 372,432; published Mar. 24, 1936.

Malt beverages. Wausau Brewing Company. 335,368; June 2; Serial No. 358,537; published Jan. 22, 1935.

CLASS 49

Brandy known as "Aquavitæ". Aktieselskabet de Danske Spritfabrikker. 335,315; June 2; Serial No. 368,644; published Nov. 12, 1935.

Gin. Gimbel Brothers, Inc. 335,502; June 2.

Whiskey. Hill-Luthy Co. 335,481; June 2; Serial No. 362,256; published May 21, 1935.

Whiskey. Penn-Maryland Corporation. 335,489; June 2; Serial No. 364,929; published July 2, 1935.

Whiskey. W. P. Powers. 335,503–4; June 2.

Whiskey. D. A. Schulte, Inc. 335,486; June 2; Serial No. 363,827; published Aug. 13, 1935.

Whiskey. D. A. Schulte, Inc. 335,487; June 2; Serial No. 363,829; published Aug. 13, 1935.

Whiskey. Hiram Walker & Sons, Inc. 335,366; June 2; Serial No. 357,264; published Nov. 27, 1934.

Whiskey, gin, brandy, etc. D. J. White. 335,352; June 2; Serial No. 347,479; published Apr. 10, 1934.

Whiskey, gin, rum, etc. Old Quaker Company. 335,365; June 2; Serial No. 357,022; published Nov. 13, 1934.

Whisky. John Dewar & Sons Limited. 335,372; June 2; Serial No. 360,844; published Sept. 3, 1935.

Whisky. J. G. Turney & Son, Ltd. 335,350; June 2; Serial No. 344,302; published Mar. 13, 1934.

Whisky, gin, rum, etc. K. Taylor Distilling Company. 335,509; June 2.

CLASS 50

Bindings and coverings for books and parts and findings therefor. Hertzberg Bindery. 335,441; June 2; Serial No. 374,240; published Mar. 24, 1936.

Printer's blankets. Behr-Manning Corporation. 335,379; June 2; Serial No. 367,060; published Mar. 24, 1936.

LIST OF LABELS

A Cherry 'Tak-Home' Sundae. For Sundaes. Vortex Cup Company. 47,518; June 2.

A Chocolate 'Tak-Home' Sundae. For Sundaes. Vortex Cup Company. 47,520; June 2.

Air Tox. For an Insecticide. Derris, Inc. 47,493; June 2.

A Pineapple 'Tak-Home' Sundae. For Sundaes. Vortex Cup Company. 47,519; June 2.

A Strawberry 'Tak-Home' Sundae. For Sundaes. Vortex Cup Company. 47,517; June 2.

Boots White Shoe Cleaner. For a White Shoe Cleaner. Miller Wholesale Drug Company. 47,503; June 2.

Castleton. For Dry Gin. Los Angeles Brewing Co. 47,501; June 2.

Cemac. For a Food Free from Cereal. Egg and Milk. Mead Johnson & Company. 47,502; June 2.

Conditioned. For Produce. Produce Conditioners, Incorporated. 47,512; June 2.

Darlene the New French Ice Cream. For Ice Cream. Philadelphia Dairy Products Company. 47,510; June 2.

Dolly Maid. For Melba Toast. Western Bakeries Corporation Ltd. 47,522; June 2.

Estratto Di Pomodoro Locatelli. For Tomato Paste. E. H. Locatelli. 47,500; June 2.

French Fabric Cleaner. For a Liquid Preparation for Cleaning Fabrics. French Renovating Company. 47,495; June 2.

Gall-Flo. For a Medicinal Preparation for Alleviating Distress and Biliousness Arising from a Sluggish Flow of Bile. Gall-Flo Laboratories, Inc. 47,496; June 2.

G-Men Outfit. For Toy Detective Outfits. New York Toy & Game Co. Inc. 47,505; June 2.

Guest Bread. For Bread. Hathaway Bakeries, Inc. 47,497; June 2.

Happy Kids. For Syrup. W. B. Roddenberry Co. 47,514; June 2.

Kemp's Fruits and Nuts—Chocolate Covered. For Chocolate Covered Fruits and Nuts. E. F. Kemp, Inc. 47,498; June 2.

Multi-Friction Brake Set. For Multi-Friction Brake Sets. Southern Friction Materials Company. 47,515; June 2.

Penick. For Syrup. Penick & Ford, Ltd. Incorporated. 47,506; June 2.

Peter Pan Wheat. For Bread. P. F. Petersen Baking Co. 47,509; June 2.

Primo Gassosa. For a Soft Drink. J. Esposito. 47,494; June 2.

Signal Seal Rye Rectified Whiskey. For Rectified Rye Whiskey. Rectified Products Corporation. 47,513; June 2.

Skipper Jim Cookies. For Cookies. George A. Krug Baking Company. 47,499; June 2.

Smoke's Brand Fancy Creamery Butter, No. 602–O. S. For Butter. Sutherland Paper Company. 47,516; June 2.

The Rainbow Guaranty. For a Liquid Cleaning and Washing Compound Naylee Chemical Company 47,504; June 2.

Treasure Island. For California Wine. H. Walters. 47,521; June 21.

Velva (Blue Label with Red Letters). For Golden Syrup. Penick & Ford, Ltd. Incorporated. 47,507; June 2.

Velva (Red Label with Blue Letters). For Crystal White Syrup. Penick & Ford, Ltd. Incorporated. 47,508; June 2.

Wood-Stock. For Kentucky Straight Bourbon. W. P. Powers. 47,511; June 2.

LIST OF PRINTS

Beech-Nut Spearmint Gum. For Spearmint Gum. Beech-Nut Packing Company. 15,711; June 2.

Gantner Swim Suits & Wikies, Favorite of Water Lovers. For Swim Suits. Gantner & Mattern Company. 15,712; June 2.

Mule-Kick. For Drain Cleaner, Closet Bowl Cleaner, and Creme Porcelain Polish. J. A. Sexhauer Mfg. Co. 15,713; June 2.

One Man Tells Another. For Cigars. Wolf Company. 15,714; June 2.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 2D DAY OF JUNE, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

De Lanty, Loren J., assignor to Sperry Products, Inc., Brooklyn, N. Y. Rail flaw detector car. 19,991; June 2.

Erling, Ralph, Cranford, N. J. Automatic by-pass for hydraulic mechanisms. 19,992; June 2.

Felt & Tarrant Mfg. Co. (See Niemann, F. A., and Ziehm, assignors.)

Jandus, Herbert S., Detroit, Mich., and F. A. Smith, assignors to Oakes Products Corporation, North Chicago, Ill. Lock for spare wheels and tires. 19,993; June 2.

Niemann, Frederick A., and K. F. Ziehm, assignors to Felt & Tarrant Mfg. Co., Chicago, Ill. Device for distribution of accounts. 19,994; June 2.

Oakes Products Corporation. (See Jandus, H. S., and Smith, assignors.)

Page, Albert E., Brooklyn, N. Y., assignor to Scott & Williams, Incorporated, New York, N. Y. Yarn cutter and clamp for knitting machines and operating same. 19,995; June 2.

Scott & Williams, Incorporated. (See Page, Albert E., assignor.)

Smith, Frederick A. (See Jandus, H. S., and Smith.)

Sperry Products, Inc. (See De Lanty, Loren J., assignor.)

Witham, George S., Jr., Lincoln, N. H. Freeness indicator and recorder. 19,997; June 2.

Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Automatic splicing device. 19,996; June 2.

Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)

Ziehm, Kurt F. (See Niemann, F. A., and Ziehm.)

LIST OF PLANT PATENTEES

Wilber, Rena E., Seattle, Wash. Rose. 178; June 2.

LIST OF DESIGN PATENTEES

Abraham, Anna, Detroit, Mich. Wash mit. 99,840; June 2.

Abramson, Abraham, New York, N. Y. Decorative electric light bulb or similar article. 99,841; June 2.

Abramson, Abraham, New York, N. Y. Decorative electric light bulb or similar article. 99,842; June 2.

Abramson, Abraham, New York, N. Y. Decorative electric light bulb or similar article. 99,843; June 2.

Abramson, Abraham, New York, N. Y. Decorative electric light bulb or similar article. 99,844; June 2.

Abramson, Abraham, New York, N. Y. Decorative electric light bulb or similar article. 99,845; June 2.

Abramson, Abraham, New York, N. Y. Decorative electric light reflector or similar article. 99,846; June 2.

Abramson, Abraham, New York, N. Y. Decorative electric light reflector or similar article. 99,847; June 2.

Anderson, Bert J., Hammond, Ind. Velocipede. 99,848; June 2.

Appelbaum, Nathan, New York, N. Y., and S. Shron, Brooklyn, N. Y. Lady's collar. 99,849; June 2.

Bassick Company, The. (See Herold, Walter F., assignor.)

Battery Patents Corporation. (See Lewis, George S., assignor.)

Battery Patents Corporation. (See Pease, Earl E., assignor.)

Beyer, Haim, assignor to Cornell-Dubilier Corporation, New York, N. Y. Electrical condenser. 99,850; June 2.

Biddle, Stephen N. M., New York, N. Y. Lace. 99,851; June 2.

Birnbach Radio Company, Inc. (See Wertheimer, Samuel M., assignor.)

Bitterli, John A., Chicago, Ill. Toy. 99,852; June 2.

Brazell, John J., assignor to E. L. Thompson Chair Corporation, Baldwinsville, Mass. High chair tray. 99,853; June 2.

Carr-Lowrey Glass Co. (See Hilgenberg, Carl G., assignor.)

Carr-Lowrey Glass Co. (See McLaughlin, Frank, assignor.)

Chandler, Irving H., New York, N. Y. Ash receiver. 99,854; June 2.

Cornell-Dubilier Corporation. (See Beyer, Haim, assignor.)

Coughlan, Gerald N., East Orange, N. J. Knife. 99,855; June 2.

Crumrine, Chester W. (See Teague, W. D. and Crumrine.)

Daniels, Claude H., Wellesley Hills, Mass. Shoe upper material. 99,856; June 2.

Dayton Malleable Iron Company, The. (See Runyan, William B., assignor.)

Eastman Kodak Company. (See Teague, W. D. and Crumrine, assignors.)

Electrolux Corporation. (See Lofgren, Gustaf E., assignor.)

Felton & Son, Inc. (See Stanley, Malcolm N., assignor.)

Fisher, Henry A., Parkersburg, W. Va. Tray. 99,857; June 2.

Forstmann, Curt E., Montclair, N. J. Textile fabric. 99,858; June 2.

Forstmann, Curt E., Montclair, N. J. Textile fabric. 99,859; June 2.

Forstmann, Curt E., Montclair, N. J. Textile fabric. 99,860; June 2.

Gehring, Frank P., New York, N. Y. Lace. 99,861; June 2.

General Bindery Company. (See Hougland, Frederic A.)

Gittings, William L., assignor to Gold Medal Folding Furniture Co., Racine, Wis. Chair arm. 99,862; June 2.

Gold Medal Folding Furniture Co. (See Gittings, William L., assignor.)

Grand Rapids Metalcraft Corporation. (See Visser, John, assignor.)

Halsey, Edwin A., Lynchburg, Va. Lucky campaign coin. 99,918; June 2.

Hayes, North D., Topeka, Kans. Costumer. 99,863; June 2.

Hazel-Atlas Glass Company. (See Smith, Frasier, assignor.)

Hegwein, Georg, assignor to Junkers & Co. G. m. b. H., Dessau, Germany. Water heater. 99,864; June 2.

Herold, Walter F., assignor to The Bassick Company, Bridgeport, Conn. Caster. 99,912; June 2.

Hilgenberg, Carl G., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Eyecup. 99,865; June 2.

Hoffmann, Wolfgang, Batavia, Ill., assignor to Howell Company, The, St. Charles, Ill. Booth seat. 99,866; June 2.

Hoffmeister, Wilhelm, Neustadt, Germany. Strip of artificial leaves. 99,867; June 2.

Hougland, Frederic A., assignor to General Bindery Company, Chicago, Ill. Book cover. 99,868; June 2.

Howell Company, The. (See Hoffmann, Wolfgang, assignor.)

Idealite, Inc. (See Laxer, Harry M., assignor.)

Jackson, Purvis D., Chicago, Ill. Spark plug. 99,869; June 2.

Jacobs, F. L., Company. (See Visser, John, assignor.)

Johns, Herman S. (See Long, H. L., and Johns.)

Junkers & Co. G. m. b. H. (See Hegwein, Georg, assignor.)

Kastar Specialty Mfg. Co. (See Lampert, Herbert H., assignor.)

Keeler Brass Company. (See Uhlmann, Otto E., assignor.)

Kistner, Merrill M., Indianapolis, Ind. Closure for a bottle or the like. 99,913; June 2.

Lampert, Herbert H., Brooklyn, assignor to Kastar Specialty Mfg. Co., Inc., New York, N. Y. Ash receiver. 99,870; June 2.

Laxer, Harry M., assignor to Idealite, Inc., New York, N. Y. Lamp base or similar article. 99,871; June 2.

Laxer, Harry M., assignor to Idealite, Inc., New York, N. Y. Lampshade. 99,872; June 2.

Lewis, George S., Oak Park, assignor to Battery Patents Corporation, Chicago, Ill. Bicycle frame. 99,873; June 2.
Lindquist, Robert J., Los Angeles, Calif. Cabinet for diathermy apparatus. 99,874; June 2.
Lofgren, Gustaf E., Riverside, Conn., assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner casing. 99,875; June 2.
Lofgren, Gustaf E., Riverside, Conn., assignor to Electrolux Corporation, Dover, Del. Vacuum cleaner casing. 99,876; June 2.
Long, Harry L., and H. S. Johns, Oklahoma City, Okla. Parking meter. 99,877; June 2.
Maiden Form Brassiere Company. (See Sachs, Charles M., assignor.)
Marathon Paper Mills Company. (See Rike, Wilbert A., assignor.)
Marlenthal, Paul, Detroit, Mich. Automobile hood ridge ornament. 99,878; June 2.
McClure, Paul J., Gloversville, N. Y. Spat. 99,879; June 2.
McLaughlin, Frank, Chicago, Ill., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 99,880; June 2.
Miller, Charles, New York, N. Y. Shoe or similar article. 99,882; June 2.
Miller, Charles, New York, N. Y. Shoe or similar article. 99,883; June 2.
Miller, Fredrick P., Vulcan, Mich. Connecting link for chains. 99,881; June 2.
Miller, George, New York, N. Y. Shoe or similar article. 99,884; June 2.
Miller, George, New York, N. Y. Shoe or similar article. 99,885; June 2.
Monnin, Joseph G., San Leandro, assignor to U. S. L. Battery Corporation of California, Oakland, Calif. Storage battery container. 99,886; June 2.
Monnin, Joseph G., San Leandro, assignor to U. S. L. Battery Corporation of California, Oakland, Calif. Storage battery container. 99,887; June 2.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Combined washing machine casing and wringer. 99,888; June 2.
Mullen, Mary, assignor to Rosenau Bros. Inc., Philadelphia, Pa. Dress. 99,914; June 2.
Mullen, Mary, assignor to Rosenau Bros. Inc., Philadelphia, Pa. Dress. 99,915; June 2.
Narrow Fabric Company, The. (See Sweeney, John W., assignor.)
Pease, Earl E., Oak Park, assignor to Battery Patents Corporation, Chicago, Ill. Bicycle head and truss rod unit. 99,889; June 2.
Pease, Earl E., Oak Park, assignor to Battery Patents Corporation, Chicago, Ill. Bicycle frame. 99,890; June 2.
Pilliod Cabinet Company, The. (See Pilliod, Thomas J., assignor.)
Pilliod, Thomas J., assignor to The Pilliod Cabinet Company, Swanton, Ohio. Combined packaging, cutting, and serving tray. 99,891; June 2.
Plaut-Butler Inc. (See Stix, Carl, assignor.)
Pollock, Leo, New York, N. Y. Combined electric candle and support therefor. 99,892; June 2.
Rike, Wilbert A., Neenah, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis. Paper pail or the like. 99,893; June 2.
Rosenau Bros. Inc. (See Mullen, Mary, assignor.)
Runyan, William B., assignor to The Dayton Malleable Iron Company, Dayton, Ohio. Jack. 99,894; June 2.
Sachs, Charles M., assignor to Maiden Form Brassiere Company, Inc., New York, N. Y. Brassière. 99,895; June 2.
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Sholtz, Leo, New York, N. Y. Shoe or similar article. 99,896; June 2.
Sholtz, Leo, New York, N. Y. Shoe or similar article. 99,897; June 2.
Shron, Sarah. (See Appelbaum, N., and Shron.)
Sloan, Dixon C., Cumberland, Md., assignor to United States Glass Company, Pittsburgh, Pa. Goblet or like article. 99,898; June 2.
Sloan, Dixon C., Cumberland, Md., assignor to United States Glass Company, Pittsburgh, Pa. Plate or similar article. 99,899; June 2.
Sloan, Dixon C., Cumberland, Md., assignor to United States Glass Company, Pittsburgh, Pa. Goblet or similar article. 99,900; June 2.
Smith, Frasier, assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Bottle or similar article. 99,916; June 2.
Snyberger, Harry, Schuylkill Haven, Pa. Shoe. 99,901; June 2.
Stanley, Malcolm N., Concord, Mass., assignor to Felton & Son, Inc., Boston, Mass. Bottle. 99,902; June 2.
Stix, Carl, assignor to Plaut-Butler Inc., Cincinnati, Ohio. Shoe. 99,903; June 2.
Swanson, Leonard, Erie, Pa. Ashtray. 99,904; June 2.
Sweeney, John W., assignor to The Narrow Fabric Company, West Reading, Pa. Combined hosiery display and packing folder. 99,905; June 2.
Teague, Walter D., New York, and C. W. Crumrine, Rochester, assignors to Eastman Kodak Company, Rochester, N. Y. Camera. 99,906; June 2.
Thompson, E. L., Chair Corporation. (See Brazell, John J., assignor.)
U. S. L. Battery Corporation of California. (See Monnin, Joseph G., assignor.)
Uhlmann, Otto E., assignor to Keeler Brass Company, Grand Rapids, Mich. Drawer pull or similar article. 99,907; June 2.
United States Glass Company. (See Sloan, Dixon C., assignor.)
Visser, John, assignor to Grand Rapids Metalcraft Corporation, Grand Rapids, Mich. Wall pocket front panel or the like. 99,908; June 2.
Visser, John, Grand Rapids, assignor, by mesne assignments, to F. L. Jacobs Company, Detroit, Mich. Combined face panel and bezel for ash receivers. 99,917; June 2.
Waterman, Max B., Chicago, Ill. Crucifix. 99,909; June 2.
Weinstein, Philip, Brooklyn, N. Y. Shoe. 99,910; June 2.
Wertheimer, Samuel M, Brooklyn, assignor to Birnbach Radio Company, Inc., New York, N. Y. Casing for a combined coupling unit transformer and radio antenna lead-in support. 99,911; June 2.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 2D DAY OF JUNE, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aalto, Alvar, Helsinki, Finland. Bending wood. 2,042,976; June 2.
Aarni, Hannes, et al. (See Satugangas, Hannes, assignor.)
Acker, Frank E., Warrensville Heights, Ohio. Curtain stretcher. 2,042,874; June 2.
Acme Rayon Corporation. (See Huttinger, Charles A., assignor.)
Adico Development Corporation. (See Goosmann, Justus C., assignor.)
Agfa Ansco Corporation. (See Heymer, Gerd, assignor.)
Ahlmark, Roy B., and F. W. Young, assignors of forty-five per cent to H. S. Miller, forty-five per cent to said Ahlmark, and ten per cent to E. McMahon, Oklahoma City, Okla. Collapsible basket. 2,042,977; June 2.
Air Reduction Company. (See Anderson, James L., assignor.)
Akron Standard Mold Company, The. (See Bostwick, Henry C., assignor.)
Aktiebolaget Imo-Industri. (See Montelius, Carl O. J., assignor.)
Aktiebolaget Svenska Kullagerfabriken. (See Palmgren, Nils A., assignor.)
Aktiengesellschaft Brown, Boveri & Cie. (See Latzko, J., and Plechl, assignors.)
Aktieselskapet Krytal. (See Jeremiassen, Finn, assignor.)
Albertson & Company. (See Albertson, Frans O., assignor.)
Albertson, Frans O., assignor to Albertson & Company, Inc., Sioux City, Iowa. Valve seat grinding machine. 2,042,759; June 2.
Albrecht Christian A., Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Typographical slug casting machine. 2,042,978; June 2.
Aldridge, Blair G. (See Fisher, H. F., and Aldridge.)
Aldridge, Blair G., Los Angeles, and B. Hopper, San Pedro, assignors to Union Oil Company of California, Los Angeles, Calif. Process and apparatus for dewaxing oils. 2,042,758; June 2.
Allen William H., E. Underhill, and C. F. Ritchie, assignors to American Potash & Chemical Corporation, Trona, Calif. Apparatus for effecting dissolution or lixiviation. 2,042,818; June 2.
Allis, Louis, Company, The. (See Rathbun, F. J., and Owen, assignors.)
Allison, Merrill F., Clarksburg, W. Va., assignor to Pittsburgh Plate Glass Company. Apparatus for cracking scored glass sheets. 2,042,819; June 2.
Alston Paul W. (See Meredith, S. C., Alston, Winslow, and White.)
Aluminum Company of America. (See Bohn, Donald I., assignor.)
American Can Company. (See Erne, Charles H., assignor.)
American Can Company. (See Hothersall, John M., assignor.)
American Cyanamid Company. (See Christmann, L. J., and Jayne, assignors.)
American Cyanamid Company et al. (See Reynolds, Blythe M., assignor.)
American Grinder and Specialty Corporation. (See Mueller, Joseph J., assignor.)
American-La France and Foamite Corporation. (See Smith, Cecil H., assignor.)
American Lurgi Corporation. (See Gensecke, Wilhelm, assignor.)
American Lurgi Corporation. (See Pontzen, Herbert, assignor.)
American Optical Company. (See Tillyer, Edgar D., assignor.)
American Potash & Chemical Corporation. (See Allen, W. H. Underhill, and Ritchie, assignors.)
Anaconda Copper Mining Company. (See Doran, H. M., and Houghton, assignors.)
Anaconda Wire & Cable Company. (See MacLeod, Lester R., assignor.)
Anciens Etablissements R. Corneiy & Cie, Societe Anonyme. (See Chiti, Aoldo, assignor.)
Anderson, James L. Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Tracing device. 2,042,492; June 2.
Anderson, Orlin S., Cleveland, and R. T. Anderson, Berea, assignors to The W. D. Anderson Company, Cleveland, Ohio. Drier. 2,042,979; June 2.
Anderson, Orlin S., Cleveland, and R. T. Anderson, Berea, assignors to The W. D. Anderson Company, Cleveland, Ohio. Apparatus for drying or cooling materials. 2,043,148; June 2.
Anderson, Raymond T. (See Anderson, O. S. and R. T.)
Anderson, Swan F., Rockford, Ill. Apparatus for filling containers. 2,042,453; June 2.
Anderson, Tyson V., Partridge, Kans. Time period annunciator. 2,042,875; June 2.
Anderson, V. D., Company, The. (See Anderson, Orlin S. and R. T., assignors.)
Arco Manifolding Co. Inc., The. (See Bonn, Robert M., assignor.)
Argauer, Albert, Buffalo, N. Y. Jar opener. 2,043,144; June 2.
Arkell, Bartlett. (See Jarrier, René, assignor.)
Armbrust Chain Company. (See Seebeck, Howard D., assignor.)
Armour and Company. (See Ralston, A. W., Pool, and Harwood.)
Arnold, Charles B., assignor to Seymour & Peck Co., Chicago, Ill. Barrel. 2,043,026; June 2.
Arvintz, Abraham A., assignor to Seal-O-Strain Corporation, Brooklyn, N. Y. Closure and strainer device. 2,042,921; June 2.
Atchison, Leonard W., Schenectady, N. Y., assignor to General Electric Company. Flooded evaporator. 2,042,493; June 2.
Atlantic Refining Company, The. (See Boyd, James H., Jr., assignor.)
Atwater Kent Manufacturing Company. (See Tuska, Clarence D., assignor.)
Atwell, Harold V., White Plains, N. Y., assignor to The Gray Processes Corporation, Newark, N. J. Treatment of cracked hydrocarbon distillates. 2,042,448; June 2.
Avnsoe, Thorkild, Bellerose, and E. Posselt, Pelham, assignors to International Cement Corporation, New York, N. Y. Baffled rotary kiln. 2,042,494; June 2.
Baas, Edmund J., Rochester, N. Y. Card or price ticket holder. 2,042,760; June 2.
Bacher, Charles, New York, N. Y. Liquid waxing device. 2,043,145; June 2.
Bacon, Raymond F., Bronxville, N. Y. Smelting sulphide ores. 2,042,576; June 2.
Baden-Powell, Baden F. S., Riverhead, Sevenoaks, England. Centrifugal gun. 2,043,117; June 2.
Bader, Marcel-J.-G., Strasbourg, Bas-Rhin, France. Compositions useful for the production of azo dyestuffs and their application. 2,042,666; June 2.
Baer, Edward G., and A. B. Fisher, Orrville, Ohio. Variable speed gearing. 2,042,577; June 2.
Bagpak, Inc. (See Briggs, Howland F., assignor.)
Bagpak, Inc. (See Nicolas, Marcel A., assignor.)
Bahlsen's H. Keksfabrik A. G. (See Thieme, Anna D., assignor.)
Bahr, Gustave F., Fairfield, assignor to Casco Products Corporation, Bridgeport, Conn. Brake lever extension. 2,043,206; June 2.
Ball, Albert P., assignor to Briggs Manufacturing Company, Detroit, Mich. Ventilator construction. 2,043,089; June 2.
Ballard, Harrie A., Beverly, Mass., assignor to The Turner Tanning Machinery Company, Portland, Maine. Machine for operating upon hides, skins, and pieces of leather. 2,042,495; June 2.
Banker, Oscar H., assignor to New Products Corporation, Chicago, Ill. Clutch mechanism. 2,042,454; June 2.
Baranoff, André V., Saint-Mande, France. Electromechanical reproducer for gunfire. 2,042,697; June 2.
Barnes, Wallace, Company. (See Cook, Raymond W., assignor.)
Barnett, Henry W. (See Wood, A. B., and Barnett.)
Barrows, Donald S., assignor to The Symington Company, Rochester, N. Y. Journal box. 2,043,091; June 2.
Barrett Company, The. (See Miller, Stuart P., assignor.)
Barrett Company, The. (See Smith, Daniel T., assignor.)
Barrett, William E., Aurora, Ind. Volumetric liquid dispenser. 2,042,455; June 2.
Barrows, Donald S., assignor to The Symington Company, Rochester, N. Y. Striking castings. 2,043,090; June 2.
Basch, Eugen, assignor to Gallia Limited, London, England. Compositions for dyeing hair. 2,042,698; June 2.
Basick Company, The. (See Herold, Walter F., assignor.)
Baumann, Henry N., Jr. (See Blan, H. H., and Baumann.)
Baumann, Karl, Wilmslow, England, assignor to General Electric Company. Multistage rotary compressor. 2,042,496; June 2.
Baumann, Werner, Paris, France. Quick firing arm. 2,042,449; June 2.
Baumbeckel, William M., Connersvile, Ind. Internal combustion engine. 2,043,146; June 2.
Bax, Lionel D., Denver, Colo. Piston ring. 2,042,820; June 2.
Bayley, Elden D. (See Bayley, William D., and E. D.)
Bayley, William, Company, The. (See Bayley, William D., assignor.)

Bayley, William, Company, The. (See Bayley, William D., and E. D., assignors.)
Bayley, William D., assignor to The William Bayley Company, Springfield, Ohio. Detention window. 2,042,876; June 2.
Bayley, William D. and E. D., assignors to The William Bayley Company, Springfield, Ohio. Detention window. 2,043,207; June 2.
Beardsley, Alling P., Plainfield, assignor to The Calco Chemical Company, Inc., Bound Brook, N. J. Process and apparatus for vapor phase catalyses. 2,042,922; June 2.
Beatrice Creamery Company. (See Murray, Kenneth L., assignor.)
Beck, Charles J. (See Westin, C. J., and Beck.)
Beede, Herbert G., Pawtucket, R. I. Valve. 2,043,027; June 2.
Behan, Thomas W., assignor to Nineteen Hundred Corporation, Binghamton, N. Y. Agitator for washing machines. 2,042,578; June 2.
Bell Telephone Laboratories, Incorporated. (See Bennett, Arthur F., assignor.)
Bell Telephone Laboratories, Incorporated. (See Bennett, A. F., and Tuffnell, assignors.)
Bell Telephone Laboratories, Incorporated. (See Buchanan, R. B., and Kille, assignors.)
Bell Telephone Laboratories, Incorporated. (See Haring, Horace E., assignor.)
Bell Telephone Laboratories, Incorporated. (See Harvey, William H., assignor.)
Bell Telephone Laboratories, Incorporated. (See Horn, Irvin R., assignor.)
Bell Telephone Laboratories, Incorporated. (See Jacobs, Oliver B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Smith, Percy C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Stokely, Ray L., assignor.)
Bendix Aviation Corporation. (See Chandler, Milton E., assignor.)
Bendix Aviation Corporation. (See Ketay, Morris F., assignor.)
Bennett, Arthur F., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone transmitter. 2,042,821; June 2.
Bennett, Arthur F., Millburn, and W. Tuffnell, Hawthorne, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone transmitter. 2,042,822; June 2.
Bennett, Arya L., Sheridan, Ind. Mechanism testing device. 2,042,761; June 2.
Berby, Ola L., assignor to Clyde Iron Works, Duluth, Minn. Pawl release. 2,042,762; June 2.
Berkstrom, Gunde, Los Angeles, Calif. Prevention of bark diseases in plants. 2,042,579; June 2.
Berkshire Knitting Mills. (See Eaches, William D., assignor.)
Bernard, Peter J., Chicago, Ill. Display carton. 2,042,980; June 2.
Bernfeld, James, Newark, N. J. Cord terminal plug. 2,042,580; June 2.
Bernstein, Samuel S., Beverly Hills, Calif. Sagless spring support for upholstered furniture. 2,042,763; June 2.
Bestoso, Napoleon S., Holbrook, assignor to Boston Gear Works, Inc., North Quincy, Mass. Prony brake. 2,043,147; June 2.
Bethlehem Steel Company. (See Lehr, Charles E., assignor.)
Birch, Erastus F., Eureka, Utah. Exerciser. 2,042,764; June 2.
Bishop, Lewis, Arcadia, Fla. Cover crop cutter. 2,042,981; June 2.
Bixler, Harley H., Schenectady, N. Y., assignor to General Electric Company. Refrigerating machine. 2,042,497; June 2.
Black, Knox C., Mountain Lakes, N. J., assignor to Radio Corporation of America. Automatic volume control. 2,043,092; June 2.
Blair, James H., Staten Island, assignor to Chaves Dental Instrument Corporation, New York, N. Y. Dental tool attachment. 2,043,028; June 2.
Blau, Henry H., Charleroi, Pa., and H. N. Baumann, Jr., assignors to The Carborundum Company, Niagara Falls, N. Y. Furnace lining and material therefor. 2,043,029; June 2.
Blodgett, Edwin O., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,042,450; June 2.
Blomberg, Martin P., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Conduit connection between car bodies. 2,042,765; June 2.
Blondeau, Emile L., Houston, Tex. Lawn edger. 2,043,148; June 2.
Blount, Alvin H., Los Angeles, assignor to Jell-Well Dessert Company, Ltd., Vernon, Calif. Food and food packaging. 2,042,581; June 2.
Bob, H. D., Company. (See Ransom, John R., assignor.)
Bohn Aluminum & Brass Corporation. (See Nelson, Adolph L., assignor.)
Bohn, Donald L., assignor to Aluminum Company of America, Pittsburgh, Pa. Motor control system for coiling mechanisms. 2,043,208; June 2.
Bolton, Vernon L. (See Ort, William, assignor.)
Bond, Harlan A., and N. D. Scott, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Dehydration of formamide to produce hydrocyanic acid. 2,042,451; June 2.
Bonn, Robert M., Maplewood, N. J., assignor to The Arco Manifolding Co. Inc. Manifold book. 2,042,823; June 2.
Bonnaud, Hugh M. (See Willcox, John T. A., and Pooley and Bonnaud.)
Borglin, Joseph N., Hattiesburg, Miss., assignor to Hercules Powder Company, Wilmington, Del. Retarding the crystallization of rosin. 2,042,877; June 2.
Boston Gear Works, Inc. (See Bestoso, Napoleon S., assignor.)
Bostwick, Henry C., assignor to The Akron Standard Mold Co., Akron, Ohio. Collapsible tire-band form. 2,042,498; June 2.
Botts, John M., Jenkintown, Pa. Weftless, full-fashioned hosiery and method of manufacture therefor. 2,042,582; June 2.
Bourne, Roland B., assignor to The Maxim Silencer Company, Hartford, Conn. Sound attenuating device. 2,043,030; June 2.
Boyd, James H., Jr., assignor to The Atlantic Refining Company, Philadelphia, Pa. Treatment of hydrocarbons. 2,042,452; June 2.
Boynton, Alexander, San Antonio, Tex. Lifting liquids. 2,042,583; June 2.
Bozin, Zorn L., Gary, Ind. Beach case. 2,042,699; June 2.
Bradford, Edward S., Jr., Longmeadow, assignor to Springfield Wire & Tinsel Co., West Springfield, Mass. Scouring device. 2,043,031; June 2.
Bradley Washfountain Company. (See Mullett, Howard A., assignor.)
Brady, Francis E., Richmond, assignor to Roots-Connersville Blower Corporation, Connersville, Ind. Rotary pump. 2,042,499; June 2.
Bragg-Kliesrath Corporation. (See Kliesrath, Victor W., assignor.)
Brasfield, Mearl, St. Louis, Mo. Rack for confections. 2,043,032; June 2.
Brazier, Sidney A., and C. Hampson, Manchester, and M. Langstreth, Rochdale, assignors to Dunlop Rubber Company Limited, Birmingham, England. Rope and the like. 2,042,824; June 2.
Breitenstein, Herbert G., assignor to R. T. Moloney, Chicago, Ill. Telltale device for games of skill. 2,042,878; June 2.
Bridgman, George A., assignor to Cutler Mail Chute Co., Rochester, N. Y. Mail chute. 2,042,500; June 2.
Briggs, Howland F., Buffalo, assignor to Bagpak, Inc., New York, N. Y. Safety stop for bag closing machines. 2,042,827; June 2.
Briggs, Howland F., Buffalo, N. Y., assignor to Consolidated Packaging Machinery Corporation. Sewing machine. 2,043,149; June 2.
Briggs Manufacturing Company. (See Ball, Albert P., assignor.)
Briggs Manufacturing Company. (See Lundberg, Everett E., assignor.)
Briggs Manufacturing Company. (See Ross, F. N., and Johnson, assignors.)
Bright, Frank G., St. Jean, Quebec, Canada, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Coloring wood veneers and the like. 2,042,825; June 2.
Bright, Frank G., St. Jean, Quebec, Canada, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Treating wood. 2,042,826; June 2.
Bristol Tramways & Carriage Company Limited, The. (See Redrup, Charles B., assignor.)
Brooks, Arthur E., Nutley, N. J., assignor to United States Rubber Products, Inc., New York, N. Y. Plastic compositions and articles made therefrom. 2,042,923; June 2.
Browall, Bert H., assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden. Variable leverage mechanism for vehicle brakes. 2,042,649; June 2.
Brown, Lucian C., La Feria, Tex. Boiler cleaner. 2,043,150; June 2.
Brown, William B., Wichita, Kans. Gas meter. 2,042,766; June 2.
Brubaker, Walter S., assignor to Granberg Meter Corporation, San Francisco, Calif. Leakage compensating meter. 2,042,767; June 2.
Bruns, Lloyd M., Wabasso, Minn. Bracket for auto license tags or the like. 2,042,768; June 2.
Brunsviga-Maschinenwerke Grimme, Natalis & Co., Aktiengesellschaft. (See Haase, Richard, assignor.)
Buchanan, Fred L., and R. Guyer, assignors to Waldorf Paper Products Company, St. Paul, Minn. Paperboard. 2,042,501; June 2.
Buchanan, Russell B., Lynbrook, N. Y., and L. A. Kille, Morristown, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,042,828; June 2.
Bucyrus-Erie Company. (See Fykse, Mitchell L., assignor.)
Buffalo Wire Works Co. (See Scheller, Charles A., assignor.)
Bullard Company, The. (See Bullard, Edward P., assignor.)

Bullard, Edward P., Fairfield, Conn., assignor to The Bullard Company. Mechanical chuck operator. 2,042,502; June 2.
Bulldog Electric Products Company. (See Frank, H. J. L., and Harper, assignors.)
Bulldog Electric Products Company. (See Frank, H. J. L., Messing, and Harper, assignors.)
Burgess Battery Company. (See Schulte, Walter B., assignor.)
Bushnell, Charles S., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 2,042,650; June 2.
Bustamante, Cesar, New York, N. Y. Lip stick package. 2,042,584; June 2.
Büttner, Arthur, assignor to Schnellpressenfabrik Aktiengesellschaft Heidelberg, Heidelberg, Germany. Inking apparatus for platen printing presses. 2,042,769; June 2.
Button, Leon A., New Berlin, N. Y. Manure spreader. 2,043,151; June 2.
Butts, Durain C., Fairville, Pa., assignor to Hercules Powder Company, Wilmington, Del. Hydrogenation of esters of abietic acid. 2,042,585; June 2.
Byron Jackson Co. (See Forward, Walter L., assignor.)
Bystricky, Joseph. (See Thomas, G. F., and Bystricky.)
Cabaniss, Jelks H., executor et al. (See McWane, James R.)
Cagnon, Charles. (See Reffelt, H., and Cagnon.)
Cain, John W., Chicago, Ill. Motor driven window wiper. 2,042,456; June 2.
Calco Chemical Company, The. (See Beardsley, Alling P., assignor.)
California Fruit Growers Exchange. (See Nelson, Arthur E., assignor.)
Campbell, John, and R. G. Quinn, Glens Falls, assignors to International Paper Company, New York, N. Y. Thermal insulator. 2,042,586; June 2.
Campbell, Wyant & Cannon Foundry Company. (See Dake, C. W., and Johnson, assignors.)
Capdeville, Pierre T., Nogent-sur-Marne, assignor to Treflieries & Laminoirs du Havre, Paris, France. Underground electric cable. 2,043,033; June 2.
Carborundum Company, The. (See Blau, H. H., and Baumann, assignors.)
Carlin, James C., Norristown, assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa. Machine for cutting rubber stock. 2,042,829; June 2.
Carlisle Lumber Company. (See Goss, Oliver P. M., and W. C., assignors.)
Carpenter, Walter E., Belmar, assignor to McCabe Maier Corporation, Newark, N. J. Refrigerating apparatus and method. 2,043,190; June 2.
Carpenter, Walter E., Belmar, assignor to The Dickerson Company, Newark, N. J. Refrigerating method and apparatus. 2,043,191; June 2.
Carrier Engineering Corporation. (See Yaglou, Constantin P., assignor.)
Carroll, Fred H., Grand Crossing, Fla. Railroad crossing Signal. 2,042,879; June 2.
Carter, August J., assignor to Carter Brothers, Inc., Chattanooga, Tenn. Tufted rug. 2,042,503; June 2.
Carter Brothers, Inc. (See Carter, August J., assignor.)
Casco Products Corporation. (See Bahr, Gustav F., assignor.)
Case, J. I. Company. (See MacGregor, Wallace F., assignor.)
Catlett, James T., Scotia, N. Y., assignor to General Electric Company. Electrode holder. 2,042,504; June 2.
Celanese Corporation of America. (See Dreyfus, H., and Pool, assignors.)
Celanese Corporation of America. (See Platt, Herbert, assignor.)
Celanese Corporation of America. (See Taylor, William I., assignor.)
Celanese Corporation of America. (See Whitehead, William, assignor.)
Chadwick, Francis L., assignor to Woodall Industries Incorporated, Detroit, Mich. Combined automobile panel and arm rest assembly. 2,042,587; June 2.
Chandler, Milton E., assignor to Bendix Aviation Corporation, South Bend, Ind. Carburetor. 2,042,770; June 2.
Chaney, John L. (See Chaney, Lee F., assignor.)
Chaney, Lee F., assignor of one-half to J. L. Chaney, Springfield, Ohio. Thermometer. 2,042,982; June 2.
Charch, William H., Buffalo, N. Y., and W. F. Underwood, Waynesboro, Va., assignors to du Pont Cellophane Company, Inc., New York, N. Y. Cellulose structure. 2,042,588; June 2.
Charch, William H., Buffalo, and A. Hershberger, Kenmore, assignors to du Pont Cellophane Company, Inc., New York, N. Y. Moistureproof material and making the same. 2,042,589; June 2.
Chase-Shawmut Company, The. (See Wood, Morris B., assignor.)
Chaves Dental Instrument Corporation. (See Blair, James H., assignor.)
Chicago Flexible Shaft Company. (See McArdle, M. W., and Lynch, assignors.)
Chicago Pump Company. (See Durdin, Augustus C., Jr., assignor.)
Chiti, Aroldo, Turin, Italy, assignor to Anciens Etablissements R. Cornely & Cie. Societe Anonyme, Paris, France. Embroidery machine. 2,042,590; June 2.
Christmann, Ludwig J., Jersey City, and D. W. Jayne, Jr., Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y. Flotation reagent. 2,043,192; June 2.
Clancy, Frank B., administrator. (See Labombarde, Elie W.)
Clayton, Andrew B., Union, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Differential feeding mechanism for sewing machines. 2,042,651; June 2.
Cleveland Automatic Machine Company, The. (See Rupple, Harry W., assignor.)
Cleveland Pneumatic Tool Company, The. (See Wallace, John F., assignor.)
Cleveland Rock Drill Company, The. (See Curtis, John C., assignor.)
Clinker, Hilda G., executrix. (See Clinker, Reginald C.)
Clinker, Reginald C., deceased, late of Rugby, by H. G. Clinker, executrix, Bristol, England, assignor to General Electric Company. Alternating current apparatus. 2,042,505; June 2.
Clouse, William L., assignor to The National Machinery Company, Tiffin, Ohio. Machine for making bolts and the like. 2,043,093; June 2.
Clyde Iron Works. (See Berby, Ola L., assignor.)
Coggeshall, Allan, trustees, et al. (See Richardson, Henry F., assignor.)
Coghill, James T. (See Tolman, C. P., and Coghill.)
Cohn, Henny, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electron discharge tube. 2,042,506; June 2.
Cohn, Hugo, assignor to Radio Receptor Co. Inc., New York, N. Y. Transmission system. 2,042,652; June 2.
Collins, William D., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Evaporator for refrigerating apparatus. 2,042,507; June 2.
Columbus McKinnon Chain Corporation. (See Stahl, Frank E., assignor.)
Colvin, Charles H., Morristown, N. J., assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y. Pitot-static tube. 2,042,700; June 2.
Combustion Utilities Corporation. (See Johnson, Alfred, assignor.)
Communication Patents, Inc. (See Nicolson, Alexander M., assignor.)
Compo Shoe Machinery Corporation. (See Smith, John F., assignor.)
Conn, Joseph C., Boonton, N. J. Display apparatus. 2,042,508; June 2.
Conn, Wallace T., Lawrence, Mass., assignor to Government of the United States, represented by Secretary of Commerce. Stretch and compression testing device. 2,042,457; June 2.
Connelly, George F., San Francisco, Calif. Machine for removing tire treads. 2,042,509; June 2.
Conradty, Ottmar, Nuremberg, Germany. Collector for electric cars. 2,042,653; June 2.
Consistometer Corporation. (See Stephens, Elton S., assignor.)
Consolidated Packaging Machinery Corporation. (See Briggs, Howland F., assignor.)
Consolidated Packaging Machinery Corporation. (See Cundall, Robert N. and L. A., assignors.)
Continental Motors Corporation. (See Meyer, Andre J., assignor.)
Continental Motors Corporation. (See Timian, Harold H., assignor.)
Continental Motors Corporation. (See Vincent, Edward T., assignor.)
Continental Paper Bag Corporation. (See Fry, C. W., and Ruff, assignors.)
Cook, Raymond W., assignor to Wallace Barnes Company, Bristol, Conn. Spring. 2,043,152; June 2.
Cooper Oven Thermometer Company, The. (See Whittier, Horace R., assignor.)
Cormier, Henry E., et al. (See Sutton, Cyril D., assignor.)
Cornelius, Nelson F., Jr. (See Cornelius, Richard T. and N. F.)
Cornelius, Richard T., and N. F., Jr., Minneapolis, Minn. Motor pump unit. 2,042,510; June 2.
Cornell Machine Company, The. (See Cornell, Mead, assignor.)
Cornell, Mead, Dayton, assignor to The Cornell Machine Company, Cleveland, Ohio. Homogenizer. 2,042,880; June 2.
Corning Glass Works. (See Littleton, Jesse T., assignor.)
Cox, Elmer F., Minneapolis, Minn. Hand restraining device. 2,043,153; June 2.
Cox, Henry L., Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Prevention of solution loss from liquid systems. 2,042,830; June 2.
Craddock, Frederick L., assignor to Mixing Equipment Company, Inc., Rochester, N. Y. Safety mixer. 2,042,511; June 2.
Crane Co. (See Sorensen, Alfred K., assignor.)
Crane Co. (See Zinkil, R. H., and Marchand, assignors.)
Crawford, John W. C., Ardrosan, Scotland, assignor to Imperial Chemical Industries, Limited. Production of esters of methacrylic acid. 2,042,458; June 2.
Critchfield, Robert M., Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Air horn. 2,042,881; June 2.

Crocker, Ralph W. (See Harmon, K. A., and Crocker.)
Crosby, Murray G., Riverhead, N. Y., assignor to Radio Corporation of America. Receiving system. 2,042,831; June 2.
Csontos, Derso. (See Dry, Louis, assignor.)
Cullen, John B. (See Holman, Alex H., assignor.)
Culp, Ivan H., et al. (See Sutton, Cyril D., assignor.)
Cundall, Lincoln A. (See Cundall, Robert N. and L. A.)
Cundall, Robert N., Lackawanna, and L. A., Buffalo, assignors to Consolidated Packaging Machinery Corporation, Buffalo, N. Y. Sewing machine. 2,043,094; June 2.

Cunningham, Patricia, New York, N. Y., assignor to The Piqua Hosiery Company, Inc., Piqua, Ohio. Bathing suit. 2,042,924; June 2.
Cuozzo, Michele, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Last. 2,042,512; June 2.
Curtis, Arthur H., Bedford, England, assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis. Automatic reclosing circuit breaker system. 2,042,925; June 2.
Curtis, John C., Garfield Heights, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Tool retainer. 2,042,926; June 2.
Curtis, John C., Garfield Heights, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Feeding mechanism for rock drills. 2,042,927; June 2.
Cutler-Hammer, Inc. (See Curtis, Arthur H., assignor.)
Cutler Mail Chute Co. (See Bridgman, George A., assignor.)
Dahlstrom Metallic Door Company. (See Jacobson, Ludwig G., assignor.)
Dake, Charles W., Grand Haven, and R. K. Johnson, assignors to Campbell, Wyant & Cannon Foundry Company, Muskegon, Mich. Making flanged brake drums. 2,042,701; June 2.
Dalton, William, Schenectady, N. Y., assignor to General Electric Company. Trailer for highway and railway travel. 2,043,034; June 2.
Damm, Samuel F., Niagara Falls, N. Y. Making printing rollers. 2,043,154; June 2.
Daniell, John A., Birmingham, England. Double universal joint. 2,042,513; June 2.
Darby, George M. (See Miller, A. L., and Darby.)
Darby, George M. (See Miller, A. L., Shafor, and Darby.)
Debrie, André L. V. C., Paris, France. Cinematographic view taking camera. 2,043,155; June 2.
Da Costa, Leo L., Brooklyn, N. Y. Liquid dispensing means. 2,042,928; June 2.
Defiance Manufacturing Corporation. (See Phinney, Edgar E., assignor.)
De Florez, Louis. (See Gray, James W., assignor.)
De Florez, Luis, Pomfret, Conn., assignor to The Texas Company, New York, N. Y. Method of and apparatus for heating fluids. 2,043,095; June 2.
De Lancey, Warren H., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Liquid dispensing apparatus. 2,043,035; June 2.
Delaney, Joseph A., Jersey City, N. J. Lock slot seam and lock slot. 2,042,883; June 2.
Delaval-Crow, Thomas C., Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich. Antifriction bearing and mounting. 2,042,882; June 2.
Dennis, Wesley E., Ithaca, N. Y. Window. 2,042,771; June 2.
Dennison Manufacturing Company. (See Flood, Carl A., assignor.)
Denver Fire Clay Company, The. (See Lewis, Robert, assignor.)
Detroit Edison Company, The. (See Noyes, John D., assignor.)
Detroit Lubricator Company. (See Eggleston, Lewis W., assignor.)
Deutsche Rohrenwerke Aktiengesellschaft. (See Roeckner, M., and Severin, assignors.)
De Vilbiss Company, The. (See Tracy, Robert W., assignor.)
Dewar Manufacturing Company. (See Feldman, Albert M., assignor.)
Dickerson Company, The. (See Carpenter, Walter E., assignor.)
Diebold, Charles E., assignor to The National Acme Company, Cleveland, Ohio. Power transmission mechanism. 2,042,514; June 2.
Diescher, Samuel B., assignor to Diescher Tube Mills, Inc., Pittsburgh, Pa. Method and apparatus for cross-rolling tubes. 2,042,832; June 2.
Diescher Tube Mills, Inc. (See Diescher, Samuel E., assignor.)
Dietmann, Paul W., Jonkoping, Sweden. Matchmaking machine. 2,043,156; June 2.
Dietmann, Paul W., Jonkoping, Sweden. Collecting device for match making machines. 2,043,157; June 2.
Dilts Machine Works, Inc. (See Haskell, John D., assignor.)
Dinnick, George M., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Electron discharge device and anode therefor. 2,042,929; June 2.
Donaghy, Albert, Sr. (See Westin, C. J., and Donaghy.)
Doran, Homer M., and H. D. Houghton, Great Falls, Mont., assignors to Anaconda Copper Mining Company, New York, N. Y. Electrolysis. 2,042,591; June 2.

Dorr Company, Inc., The. (See Miller, A. L., and Darby, assignors.)
Dorr Company, Inc., The. (See Miller, A. L., Shafor, and Darby, assignors.)
Dostal, Joseph L., Flint, assignor, by mesne assignments, to Kelsey-Hayes Wheel Company, Detroit, Mich. Brake drum. 2,042,654; June 2.
"Double-H" Brick Company, The. (See Hine, J. J., and Fox-Strangways, assignors.)
Dreyfus, Henry, London, England. Production or treatment of artificial materials. 2,042,702; June 2.
Dreyfus, Henry, London, England. Manufacture of cellulose from ligno-cellulosic products. 2,042,705; June 2.
Dreyfus, Henry, London, and W. Pool, Spondon, near Derby, England, assignors to Celanese Corporation of America. Circular loom. 2,042,703; June 2.
Dreyfus, Henry, London, and W. Pool, Spondon, near Derby, England, assignors to Celanese Corporation of America. Circular loom. 2,042,704; June 2.
Dry, Louis, assignor of one-half to D. Csontos, New York, N. Y. Brush holder. 2,042,706; June 2.
Ducart, Guillaume, Paris, France. Hood for drying hair. 2,042,592; June 2.
Duff, William A. (See Hill, Robert, assignor.)
Duncan, Lee O., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich. Garment holding rack. 2,043,036; June 2.
Dunlop Rubber Company Limited. (See Brazier, S. A., Hampson, and Langstreth, assignors.)
Dunn, John C., Port Jervis, and M. Klein, Brooklyn, assignors to Gillinder Brothers, Inc., Port Jervis, N. Y. Luminair. 2,043,193; June 2.
Dunzweiler, Carl J., Cleveland, and A. C. Zachlin, South Euclid, assignors to Willard Storage Battery Company, Cleveland, Ohio. Storage battery. 2,042,515; June 2.
Du Pont Cellophane Company. (See Charch, W. H., and Hershberger, assignors.)
Du Pont Cellophane Company. (See Charch, W. H., and Underwood, assignors.)
Du Pont Cellophane Company, Inc. (See Siemann, John C., assignor.)
Du Pont, E. I., de Nemours & Company. (See Bond, H. A., and Scott, assignors.)
Du Pont, E. I., de Nemours & Company. (See Hinegardner, Wilbie S., assignor.)
Du Pont, E. I., de Nemours & Company. (See Holt, Donald A., assignor.)
Du Pont, E. I., de Nemours & Company. (See Pranke, Edward J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Sparks, William J., assignor.)
Du Pont Rayon Company. (See Kline, Emil, assignor.)
Durbin, Harvey R., New Rochelle, assignor to International Cement Corporation, New York, N. Y. Manufacture of Portland cement. 2,042,833; June 2.
Durdin, Augustus C., Jr., Niles Center, assignor to Chicago Pump Company, Chicago, Ill. Automatic control mechanism. 2,043,096; June 2.
Durfee, Elton F., Cranston, R. I., assignor to Koppers Products Company, Pittsburgh, Pa. Preparing mineral aggregate for road-surfacing and other purposes. 2,043,037; June 2.
Eaches, William D., assignor to Berkshire Knitting Mills, Wyomissing, Pa. Tension take-up device for knitting machines. 2,042,834; June 2.
Eatz, Harry L., Duquesne, Pa. Direction indicator. 2,043,158; June 2.
Eclipse Aviation Corporation. (See Havill, Clinton H., assignor.)
Edwards, Junius D., Oakmont, Pa. Anode for electrolytic condensers. 2,043,038; June 2.
Eggleston, Lewis W., assignor to Detroit Lubricator Company, Detroit, Mich. Valve. 2,043,194; June 2.
Eichelman, William H. (See Hall, E. E., and Eichelman.)
Eisenmann, Karl, Ludwigshafen-on-the-Rhine, E. Schols, Leipzig, and K. Wolf, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Unyte Corporation, New York, N. Y. Production of condensation products. 2,043,159; June 2.
Eisner, Jack, and S. G. Hoffman, assignors to Graphicut Displays, Inc., New York, N. Y. Advertising device. 2,043,209; June 2.
Elliott, Harmon P., Watertown, Mass. Stencil tray and tray holder. 2,042,516; June 2.
Ellis, Don G., assignor to Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,042,517; June 2.
Emmerich, Marguerite K. (See Emmerich, William J., assignor.)
Emmerich, William J., Baltimore, Md., assignor of one-half to M. K. Emmerich, Richmond, Va. Game. 2,042,930; June 2.
Emmert-Hammes, Inc. (See Hunt, John L., assignor.)
Engel, Karl, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method of and machine for use in manufacturing boots and shoes. 2,042,518; June 2.
Engineering Corporation. (See Russell, Robert C., assignor.)
Eppinger, Louis J. (See Meyer, Henry H., assignor.)
Erne, Charles H., Maywood, N. J., assignor to American Can Company, New York, N. Y. Liquid dispenser. 2,042,459; June 2.
Evans Case Company. (See Reilly, Alfred F., assignor.)

Ewen, Harry A., Shenfield, England, assignor to Radio Corporation of America. Directional aerial and apparatus for use therewith. 2,042,931; June 2.
Ewing, James William, Marietta, Ohio. Weather strip. 2,042,707; June 2.
Facchini, Rigo R., Kingston, Mass. Tappet. 2,042,884; June 2.
Fahlbeck, Ernest, Rockford, Ill. Honey gate. 2,042,772; June 2.
Fairbanks, Morse & Company. (See Reis, Curt F., assignor.)
Fairchild, Harry C., Elizabethton, Tenn. Camera. 2,042,983; June 2.
Fallscheer, Fritz, Reutlingen, Germany. Yarn bobbin or tube, particularly for use in looms. 2,042,708; June 2.
Fay, Allan B., Washington, D. C. Drafting apparatus. 2,042,885; June 2.
Feldman, Albert M., New York, assignor to Dewar Manufacturing Company, Brooklyn, N. Y. Broiler. 2,042,773; June 2.
Felt & Tarrant Mfg. Co. (See Turck, Joseph A. V., assignor.)
Ferguson, Walter A., Flint, Mich. Adjustable bracket. 2,042,886; June 2.
Ferris, Walter, assignor to The Oilgear Company, Milwaukee, Wis. Load shifting mechanism for power vehicles. 2,042,519; June 2.
Ferro, Casimiro, Bayonne, N. J. Locking device for motor vehicle wheels. 2,042,774; June 2.
Ferry, Joseph D., Harrisburg, Pa. Material treating and handling apparatus. 2,042,655; June 2.
Finch, Clark, West Palm Beach, Fla. Self-starting synchronous motor. 2,043,160; June 2.
Finlayson, Frank E., Pittsfield, Mass., assignor to General Electric Company. Electric heater. 2,043,195; June 2.
Finlayson, Frank E., Pittsfield, Mass., assignor to General Electric Company. Electric heater. 2,043,196; June 2.
Fisher, Arthur B. (See Baer, E. G., and Fisher.)
Fisher, Charles E., Peekskill, N. Y. Hydraulic brake. 2,043,039; June 2.
Fisher, Harmon F., assignor to Union Oil Company of California, Los Angeles, Calif. Apparatus for dewaxing oil. 2,042,775; June 2.
Fisher, Harmon F., assignor to Union Oil Company of California, Los Angeles, Calif. Apparatus for dewaxing oil. 2,042,776; June 2.
Fisher, Harmon F. and B. G. Aldridge, assignors to Union Oil Company of California, Los Angeles, Calif. Process and apparatus for dewaxing oils. 2,042,887; June 2.
Flaws, John, Jr., Cleveland Heights, and A. W. Seitz, Euclid, Ohio, assignors to General Electric Company. Apparatus for feeding wires for electric lamps and similar devices. 2,042,520; June 2.
Flood, Carl A., assignor to Dennison Manufacturing Company, Framingham, Mass. Pinning machine. 2,042,888; June 2.
Florenz, Josef, Waagen und Gewichtefabriks, A. G. (See Zofzik, Franz, assignor.)
Fogh, Walter B., Seattle, Wash. Barge for transporting logs and the like. 2,042,932; June 2.
Ford, George R., Jr., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Method and apparatus for case hardening glass sheets. 2,042,521; June 2.
Forward, Walter L., Oakland, assignor to Byron Jackson Co., Huntington Park, Calif. Drilled-well pump and Venturi meter. 2,042,933; June 2.
Foster, Dudley E., assignor to United States Radio & Television Corporation, Marion, Ind. Tone control system for electrical sound reproduction. 2,043,161; June 2.
Foster, Harry C., Alton, Ill. Machine event timer. 2,043,162; June 2.
Foukal, Anthony, Cleveland, assignor to Truscon Steel Company, Youngstown, Ohio. Reel. 2,043,197; June 2.
Fox, John H., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa. Apparatus for assembling insulating glass. 2,042,835; June 2.
Fox-Strangways, Walter A. (See Hine, J. J., and Fox-Strangways.)
Frank, Harrison J. L., J. A. Messing, and W. A. Harper, assignors to Bulldog Electric Products Company, Detroit, Mich. Operating mechanism for switches. 2,042,777; June 2.
Frank, Harrison J. L., and W. A. Harper, assignors to Bulldog Electric Products Company, Detroit, Mich. Electrical distribution system. 2,042,778; June 2.
Frasch, Hans, New York, N. Y. Making sodium carbonate salts. 2,042,709; June 2.
Frease, Hurxthal F., Canton, Ohio. Joist for joist and tile construction for floors and the like. 2,042,779; June 2.
Freeman, David, Honolulu, Hawaii. Pneumatic tire. 2,042,522; June 2.
Fridén, John H., Maplewood, assignor to The Sun Tube Corporation, Hillside, N. J. Collapsible tube. 2,042,836; June 2.
Friedler, Max H., Lewiston, Maine. Hat protector. 2,042,889; June 2.
Frissel, Frank H., Middletown, Conn. Colostomy pad. 2,043,097; June 2.
Fritsch, Eugen. (See Wille, K., and Fritsch.)
Fritsch, Lewis A., Cincinnati, Ohio. Rupture relief belt. 2,042,593; June 2.

Fritz, Jacob S., Zanesville, Ohio. Pocket ball game. 2,042,984; June 2.
Fry, Benjamin W., St. Louis, Mo. Vending machine. 2,042,710; June 2.
Fry, Charles W., East Orange, and H. L. Ruff, Roselle Park, N. J., assignors to Continental Paper & Bag Corporation, New York, N. Y. Seepproof bag. 2,042,594; June 2.
Fulenwider, Harry. (See Fulenwider, Jesse and H.)
Fulenwider, Jesse and H., Savannah, Ga. Metal roofing shingle. 2,042,890; June 2.
Funk, Truman B., assignor to "Yard-Man" Inc., Jackson, Mich. Spider for lawn mower cutting reels. 2,043,098; June 2.
Fykse, Mitchell L., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Dragline excavator. 2,042,460; June 2.
Gagnier, George E. (See Place, Bion C., assignor.)
Galley, George J., New Haven, Conn. Cigarette holder. 2,042,891; June 2.
Gallia Limited. (See Basch, Eugen, assignor.)
Gallusser, Hans, Geneva, Switzerland. Double power braking device, particularly for railway vehicles. 2,043,040; June 2.
Gardella, Albert B., Cleveland, Ohio. Tweezers. 2,042,985; June 2.
Gardner, George, Redlands, Calif. Road oil mixer. 2,042,837; June 2.
Garr, Ida I. (See Stultz, James D., assignor.)
Geier, P. A., Company, The. (See Martinet, Eugene F., assignor.)
General Aniline Works, Inc. (See Hilger, J., Ossenbeck, and Tietze, assignors.)
General Aniline Works, Inc. (See Hotz, E., and W. Luce, assignors.)
General Aniline Works, Inc. (See Koch, W., and Winkler, assignors.)
General Aniline Works, Inc. (See Reddelien, G., and Ohlendorf, assignors.)
General Aniline Works, Inc. (See Scheyer, H., and Schwamberger, assignors.)
General Aniline Works, Inc. (See Wahl, Ottmar, assignor.)
General Aniline Works, Inc. (See Zahn, K., Koch, and Weinand, assignors.)
General Cap Co., Inc. (See Knowles, Williams H., assignor.)
General Chemical Company. (See Merriam, Henry F., assignor.)
General Electric Company. (See Atchison, Leonard W., assignor.)
General Electric Company. (See Baumann, Karl, assignor.)
General Electric Company. (See Bixler, Harley H., assignor.)
General Electric Company. (See Catlett, James T., assignor.)
General Electric Company. (See Clinker, Reginald C., assignor.)
General Electric Company. (See Dalton, William, assignor.)
General Electric Company. (See Finlayson, Frank E., assignor.)
General Electric Company. (See Flows, J., Jr., and Seitz, assignors.)
General Electric Company. (See Hanna, William M., assignor.)
General Electric Company. (See Johnston, Arthur J., assignor.)
General Electric Company. (See Kieser, Walter, assignor.)
General Electric Company. (See Knoderer, Homer G., assignor.)
General Electric Company. (See Krines, Oskar, assignor.)
General Electric Company. (See Manders, Theodorus J. A., assignor.)
General Electric Company. (See March, Laurel A., assignor.)
General Electric Company. (See Masnou, Maurice, assignor.)
General Electric Company. (See Paxton, R., Reed, and Hill, assignors.)
General Electric Company. (See Puffer, Samuel R., assignor.)
General Electric Company. (See Renner, Alfred, assignor.)
General Electric Company. (See Steenstrup, Carl H., assignor.)
General Electric Company. (See Thiemer, Erwin, assignor.)
General Electric Company. (See Westendorp, Willem F., assignor.)
General Electric Company. (See Williams, Edwin A., assignor.)
General Electric Company. (See Worth, Thomas F., assignor.)
General Electric Company. (See Zurcher, Ernest, assignor.)
General Manifold & Printing Co. (See Lewis, Edward Z., assignor.)
General Mills, Inc. (See Lindgren, Frank O., assignor.)
General Motors Corporation. (See Critchfield, Robert M., assignor.)

General Motors Corporation. (See Delaval-Crow, Thomas C., assignor.)
General Motors Corporation. (See Kunkle, Bayard D., assignor.)
General Motors Corporation. (See Martin, Edward J., assignor.)
General Motors Corporation. (See Murray, L. W., and Seabury, assignors.)
General Motors Corporation. (See Pontis, William G., assignor.)
General Motors Corporation. (See Schjolin, Eric O., assignor.)
General Motors Corporation. (See Shoemaker, Fred G., assignor.)
General Motors Corporation. (See Shutts, Leroy W., assignor.)
General Railway Signal Company. (See Blodgett, Edwin O., assignor.)
General Railway Signal Company. (See Bushnell, Charles S., assignor.)
General Railway Signal Company. (See Howe, Winthrop K., assignor.)
General Railway Signal Company. (See Judge, Thomas J., assignor.)
General Railway Signal Company. (See Kempster, Ernest B., Jr., assignor.)
General Railway Signal Company. (See Leake, Richard C., assignor.)
General Railway Signal Company. (See Leake, R. C., and Phinney, assignors.)
Gensecke, Wilhelm, Gonzenheim, near Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Apparatus for treating oils and fats. 2,042,711; June 2.
Gibson Electric Refrigerator Corporation. (See Smith, R. T., and Tarleton, assignors.)
Gibson, George H., Upper Montclair, N. J. Combustion control. 2,042,838; June 2.
Gibson, Harry C., Wharton, N. J., D. L. Woodberry, Aberdeen, Md., J. Stank, Wharton, N. J. Fuse for candles and the like. 2,042,461; June 2.
Gilbert & Barker Manufacturing Company. (See De Lancey, Warren H., assignor.)
Gill, Merle A., Kansas City, assignor to N. S. Hillyard, St. Joseph, Mo. Firearm. 2,042,934; June 2.
Gillette Safety Razor Company. (See Smith, T. L., and Testi, assignors.)
Gillinder Brothers, Inc. (See Dunn, John C., and Klein, assignors.)
Glaser, Fielding J. (See Hart, P. T., and Glaser.)
Gnadinger, Charles B., Minneapolis, Minn. Insecticide. 2,042,712; June 2.
Goeddeke, George H., Itasca, Ill. Bicycle mudguard clamp. 2,043,041; June 2.
Goodrich, B. F., Company, The. (See Leguillon, Charles W., assignor.)
Goosmann, Justus C., Mount Vernon, N. Y., assignor, by mesne assignments, to Adico Development Corporation. Refrigerating apparatus and method. 2,043,163; June 2.
Goss, Oliver P. M. and W. C., Seattle, Wash., assignors to Carlisle Lumber Company. Manufacturing Lumber. 2,042,839; June 2.
Goss, Worth C. (See Goss, Oliver P. M. and W. C.)
Goulrand, René, New York, N. Y. Pneumatic suspension. 2,042,596; June 2.
Gould, George R. (See Spalding, Clarence G., assignor.)
Government of the United States. (See Conn, Wallace T., assignor.)
Government of the United States. (See Thomas, James L., assignor.)
Graham, Frank O., assignor to Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 2,042,523; June 2.
Graham, Maurice H., St. Louis Park, Minn. Apparatus for toasting bread, etc. 2,042,595; June 2.
Gränacher, Charles, assignor to "Society of Chemical Industry in Basle", Basel, Switzerland. Basic imidazole compounds which are useful textile assisting agents and making same. 2,043,164; June 2.
Granberg Meter Corporation. (See Brubaker, Walter S., assignor.)
Grand Rapids Store Equipment Company. (See Duncan, Lee O., assignor.)
Granger, Albert, Nebraska City, Nebr. Mop. 2,042,892; June 2.
Grant, Harry C., Jr., New York, N. Y., assignor to Walter Kidde & Company, Inc., Bloomfield, N. J. Supervised electric alarm system. 2,043,210; June 2.
Graphicut Displays, Inc. (See Eisner, J., and Hoffman, assignors.)
Gray, James W., Mountain Lakes, N. J., assignor to L. de Florez. Heating and distillation. 2,042,713; June 2.
Gray Processes Corporation, The. (See Atwell, Harold V., assignor.)
Gray Telephone Pay Station Company, The. (See Long, George A., assignor.)
Greenwood, Willey. (See Wise, F. C., and Greenwood.)
Greer, Edward R., assignor to La Plant-Choate Manufacturing Company, Inc., Cedar Rapids, Iowa. Vehicle. 2,042,780; June 2.
Greis, Henry N. (See McElwaine, Clayton B., assignor.)
Grove, Marvin H., Salem, Va. Flow regulating valve. 2,042,781; June 2.
Gruse, William A. (See Hjerpe, E. B., and Gruse)
Gulf Research & Development Corporation. (See Hjerpe, E. B., and Gruse, assignors.)
Gustin, Daniel S., Bloomfield, N. J., assignor to Westinghouse Lamp Company. Clean up agent for vacuum devices. 2,042,935; June 2.
Guyer, Reynolds. (See Buchanan, F. L., and Guyer.)
Haase, Richard, assignor to Brunsviga-Maschinenwerke Grimme, Natalis & Co., Aktiengesellschaft, Brunswick, Germany. Calculating machine. 2,042,986; June 2.
Hahn, Otto W., San Francisco, Calif. Fluid flow control device. 2,042,462; June 2.
Hake, Elmer C., Covington, Ky. Multiple wing display device. 2,042,656; June 2.
Halin, Emil, Quincy, Mass. Rivet-backing machine. 2,042,936; June 2.
Hall, Eric E., Chicago, and W. H. Eichelman, Des Plaines, Ill.; said Hall assignor to said Eichelman. Expansion joint. 2,042,524; June 2.
Hall, Ernest A., assignor to The Hall Manufacturing Company, Toledo, Ohio. Dust removing means for valve seat grinders or the like. 2,042,782; June 2.
Hall, Ernest A., assignor to The Hall Manufacturing Company, Toledo, Ohio. Adjusting means for sleeve bearings. 2,042,783; June 2.
Hall Manufacturing Company, The. (See Hall, Ernest A., assignor.)
Hall, William H., Jr., assignor to Thermoid Rubber Company, Trenton, N. J. Doup heddle loom. 2,043,165; June 2.
Haloid Company, The. (See Lloyd, W. P., and Hill, assignors.)
Hammond, John H., Jr., Gloucester, Mass. Variable speed torpedo. 2,042,987; June 2.
Hammond, John H., Jr., Gloucester, Mass. Dynamic multiplier. 2,042,988; June 2.
Hammond, John H., Jr., Gloucester, Mass. Audio frequency limiting device. 2,042,989; June 2.
Hammond, John H., Jr., Gloucester, Mass. Sound system. 2,042,990; June 2.
Hampson, Cecil. (See Brazier, S. A., Hampson, and Langstreth.)
Hanna, William M., Schenectady, N. Y., assignor to General Electric Company. Electrical protective system. 2,043,099; June 2.
Hargreaves, William, Timperley, England. Pricking or aerating implement. 2,042,597; June 2.
Haring, Horace E., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Storage battery. 2,042,840; June 2.
Harmon, Kenneth A., and R. W. Crocker, assignors to Wico Electric Company, West Springfield, Mass. Magneto. 2,043,042; June 2.
Harmon, Lloyd J., assignor to O. Mikkelsen, Brooklyn, N. Y. Self-starter for outboard motors. 2,042,841; June 2.
Harper, William A. (See Frank, H. J. L., and Harper.)
Harper, William A. (See Frank, H. J. L., Messing, and Harper)
Harris, James C., Jr., Baltimore, Md. Method of and apparatus for producing vapor saturation. 2,042,991; June 2.
Harris, Lewis E., Lincoln, Nebr., assignor to Norden Laboratories. Therapeutic preparation. 2,043,211; June 2.
Harsel, William B., Indianapolis, Ind. Pump. 2,042,784; June 2.
Hart, Percy T., and F. J. Glaser, New Orleans, La.; said Glaser assignor to said Hart. Award dispensing machine. 2,043,166; June 2.
Hartdorn, Louis G., Forest Hills, N. Y. Shutter control for a cooling system. 2,042,842; June 2.
Hartford-Empire Company. (See Honiss, William T., assignor.)
Hartford-Empire Company. (See Rowe, George E., assignor.)
Harvey, Herbert, Los Angeles, Calif. Wire tying machine. 2,042,843; June 2.
Harvey, James W., Winthrop, Maine. Boat attachment. 2,042,598; June 2.
Harvey, William H., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin receptacle. 2,042,844; June 2.
Harwood, James. (See Ralston, A. W., Pool, and Harwood.)
Haskell, John D., Fulton, N. Y., assignor to Dilts Machine Works, Inc. Bandless beater roll and Jordan plug. 2,042,893; June 2.
Hatch, Edward J., Creston, Iowa, and E. A. Stringer, assignors to Nebraska Bridge Supply and Lumber Company, Omaha, Nebr. Self-sustaining culvert. 2,043,100; June 2.
Hatfield, Jesse M., Cabincreek, W. Va. Apparatus for reproduction of sound. 2,043,167; June 2.
Hausse, Richard H. (See Marty, M. J., and Hausse.)
Havill, Clinton H., South Orange, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Combined gyro-compass and artificial horizon. 2,043,168; June 2.
Hawkinson, Paul E., Assignor to P. E. Hawkinson Company, Minneapolis, Minn. Tire spreader and rim remover. 2,043,169; June 2.
Hawkinson, Paul E., Company. (See Hawkinson, Paul E., assignor.)

Hasel-Atlas Glass Company. (See Meharg, L., Kaylor, and Rodenbaugh, assignors.)
Haseltine Corporation. (See Wheeler, Harold A., assignor.)
Haselzet, Leendert J. J., Rotterdam, Netherlands. Fuel briquette and method for the production of same. 2,042,894; June 2.
Hegge, Heinrich. (See Rumscheidt, C., Jeltsch, Strzyzewski, and Hegge.)
Heinis, Hugo, Geneva, Switzerland. Endless film reel. 2,042,599; June 2.
Heinrich, Jean, assignor to Société des Moteurs Salmson, Paris, France. Air cooled engine. 2,043,170; June 2.
Heisey, A. H., & Company. (See Wooles, Ronald L., assignor.)
Henderson, Albert, Pittsburgh, Pa. Structural steel member. 2,042,463; June 2.
Henkel & Cie., G. m. b. H. (See Hentrich, W., and von und zu Gottenberg, assignors.)
Henricksen, Bjarne, North Bergen, N. J., assignor to Sedgwick Machine Works, Incorporated, Poughkeepsie, N. Y. Power system for elevators and the like. 2,042,937; June 2.
Henry, Guy J., Chicago, Ill. Valve. 2,042,845; June 2.
Henry, William, Philadelphia, Pa. Motor vehicle appliance. 2,043,171; June 2.
Hentrich, Winfrid, Dusseldorf-Reisholz, and F. H. von und zu Guttenberg, assignors to the firm, Henkel & Cie., G. m. b. H., Dusseldorf, Germany. Refining vegetable material. 2,042,938; June 2.
Hercules Powder Company. (See Borglin, Joseph N., assignor.)
Hercules Powder Company. (See Butts, Durain C., assignor.)
Hermanspann, Paul, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Signaling device. 2,042,939; June 2.
Herold, Walter F., assignor to The Bassick Company, Bridgeport, Conn. Compensating caster. 2,042,525; June 2.
Herron, Albert E., Cleveland, Ohio, assignor, by mesne assignments, to Vogt Processes, Inc., Louisville, Ky. Ice cream apparatus. 2,042,940; June 2.
Hershberger, Albert. (See Charch, W. H., and Hershberger.)
Heverly, Earl L., Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Fusible door holder. 2,043,198; June 2.
Hewitt, Alfred G., assignor to The Visking Corporation, Chicago, Ill. Producing cellulose articles. 2,043,172; June 2.
Heyden Chemical Corporation et al. (See Reynolds, Blythe M., assignor.)
Heymer, Gerd, Dessau-Ziebigk, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Color photography. 2,042,895; June 2.
Hiering, William C., Millburn Township, Essex County, assignor to J. E. Mergott Company, Newark, N. J. Handbag. 2,042,941; June 2.
Hilger, Josef, Leverkusen-I. G.-Werk, A. Ossenbeck, Cologne-Mulheim, and E. Tietze, Cologne-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Isothiocyanate sulphonic acids. 2,042,600; June 2.
Hill, Charles H. (See Paxton, T., Reed, and Hill.)
Hill, Maxwell H. (See Lloyd, W. P., and Hill.)
Hill, Robert, Oakville, Ontario, assignor of one-half to W. A. Duff, Montreal, Quebec, Canada. Railway tie plate. 2,042,464; June 2.
Hillyard, Newton S. (See Gill, Merle A., assignor.)
Hine, James J., London, and W. A. Fox-Strangways, Belmont, South Brent, assignors to The "Double H" Brick Company Limited, London, England. Cavity brick. 2,042,992; June 2.
Hinegardner, Wilbie S., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del. Preparation of soluble paraformaldehyde. 2,042,657; June 2.
Hines, Pierre R., Portland, Oreg. Deinking paper printed with oxidizable inks. 2,042,465; June 2.
Hirschler, Horace L., San Francisco, Calif. Safety burner. 2,042,942; June 2.
Hjerpe, Eric B., Pittsburgh, and W. A. Gruse, Wilkinsburg, Pa., assignors to Gulf Research & Development Corporation, Wilmington, Del. Treatment of petroleum oils. 2,042,995; June 2.
Hoague-Sprague Corporation. (See Knowlton, Cutler D., assignor.)
Hoar, Stedman B. (See Stephens, H. C., and Hoar.)
Hoffman, Edward L., Dayton, Ohio. Parachute rip cord assembly. 2,042,466; June 2.
Hoffman, Rose, Hartford, Conn. Garment hanger. 2,042,846; June 2.
Hoffman, Samuel G. (See Eisner, J., and Hoffman.)
Hoffman Specialty Company. (See Simpson, William K., assignor.)
Hofheimer, Lester. (See White, Henry, assignor.)
Höfler, Gregor, and W. Seikel, Altenmittlau, Germany. Potato planter. 2,042,896; June 2.
Hohmann, Frederick R., Charleston, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Sheet glass inspection apparatus. 2,042,526; June 2.
Holland-Letz, Crown Point, Ind., assignor to The Letz Manufacturing Company. Roughage mill. 2,042,946; June 2.
Holman, Alex H., Pelham, Ga., assignor of one-tenth to J. B. Cullen, Washington, D. C. Method of and apparatus for collecting material exuding from trees. 2,043,173; June 2.
Holmes, Leslie W., Stratford, Conn., assignor to Oronoque Oil Burner Corporation, New York, N. Y. Oil burner. 2,042,785; June 2.
Holt, Donald A., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Nitriding. 2,042,527; June 2.
Holtschneider, Leo, Phoenix, Ariz. Dividing head for lathes. 2,042,847; June 2.
Holtz, Frederick G., assignor to Sangamo Electric Company, Springfield, Ill. Maximum demand meter. 2,042,601; June 2.
Homkes, Bartell J. (See Tull, R. H., and Homkes.)
Honiss, William T., West Hartford, assignor to Hartford-Empire Company, Hartford, Conn. Shear mechanism and causing sliding contact of the blades thereof. 2,042,994; June 2.
Hooker, Donald E., Elgin, assignor to F. C. McClellan, Chicago, Ill. Game apparatus. 2,042,786; June 2.
Hooper, Wm. E., & Sons Company. (See White, Clarence B., assignor.)
Hopes, Charles W., Miami, Fla. Culinary utensil. 2,042,993; June 2.
Hopper, Basil. (See Aldridge, B. G., and Hopper.)
Horn, Irvin R., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Cabinet. 2,042,848; June 2.
Horton, Erwin C., Hamburg, and H. Hueber, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,042,897; June 2.
Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,042,898; June 2.
Hosceit, William J., assignor to Rodger Ballast Car Company, Chicago, Ill. Car construction. 2,042,528; June 2.
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Sealing means for containers. 2,042,467; June 2.
Hotz, Ernst, Hattersheim-on-the-Main, and W. Luce, Hofheim-on-the-Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Nitro-derivatives of 2-hydroxynaphthalene-1-sulphonic acid-3-carboxylic acid and preparing them. 2,042,658; June 2.
Houdry, Eugene J., Paris, France, assignor to Houdry Process Corporation, Dover, Del. Fluid distribution in contact masses. 2,042,468; June 2.
Houdry Process Corporation. (See Houdry, Eugene J., assignor.)
Houdry Process Corporation. (See Joseph, Alfred, assignor.)
Houghton, Harold D. (See Doran, H. M., and Houghton.)
Howe, Winthrop K., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking machine for railroads. 2,042,659; June 2.
Howland, Owen L., Chicago, Ill., assignor to Una Welding, Inc., Cleveland, Ohio. Welding rod or wire. 2,042,899; June 2.
Hoyle, Ernest, Woodside, N. Y. Ink fountain. 2,042,943; June 2.
Hubert, Emil, Dessau-Ziebigk, and A. Matthes, Dessau, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of artificial silk. 2,042,787; June 2.
Hueber, Henry. (See Horton, E. C., and Hueber.)
Hulton, Charles S., assignor to The Kirk & Blum Manufacturing Company, Cincinnati, Ohio. Wall cooling method and means. 2,042,660; June 2.
Humbert, Reuben L. (See Witzel, E. R., and Humbert.)
Hunt, J Harold, assignor to Motor Wheel Corporation, Lansing, Mich. Vehicle wheel. 2,042,714; June 2.
Hunt, John L., assignor, by mesne assignments, to Emmert-Hammes, Inc., Detroit, Mich. Toy airplane. 2,042,715; June 2.
Huttinger, Charles A., Lakewood, assignor to Acme Rayon Corporation, Cleveland, Ohio. Spinning rayon thread. 2,042,529; June 2.
Hydraulic Products Co. (See Maisch, Theodore L., assignor.)
Hygrade Sylvania Corporation. (See Krahl, Walter L., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hubert, E., and Matthes, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Krauss, Alwin, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Rumscheid, C., Jeltsch, Strzyzewski, and Hegge, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Rüsch, E., and Schmidt, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Ulrich, H., Saurwein, and Siefert, assignors.)
Imperial Chemical Industries Limited. (See Crawford, John W. C., assignor.)
Imperial Chemical Industries Limited. (See Rubenstein, Leon, assignor.)
Imperial Chemical Industries Limited. (See Thomson, R. F., Smith, and Primrose, assignors.)

Industrial Patents Corporation. (See Walter, Charles T., assignor.)
Ingersoll-Rand Company. (See Woodard, G. H., and Kirgan, assignors.)
Innovation Brakes, Inc. (See Shelor, Frederick L., assignor.)
International Cement Corporation. (See Avnsoe, T., and Posselt, assignors.)
International Cement Corporation. (See Durbin, Harvey R., assignor.)
International Lead Refining Co. (See Peterman, Fernando B., assignor.)
International Paper Company. (See Campbell, J., and Quinn, assignors.)
International Patents, Ltd. (See John, Robert, assignor.)
Jacobs, Oliver B., Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Submarine signaling cable. 2,042,530; June 2.
Jacobson, Ludwig G., assignor to Dahlstrom Metallic Door Company, Jamestown, N. Y. Entrance enclosure structure. 2,043,174; June 2.
Jacques, Jean, Philadelphia, Pa. Burial casket. 2,042,849; June 2.
James, Floyd M., Pender, Nebr. Veinous drain tube. 2,042,900; June 2.
Jarrier, René, St.-Quentin, France, assignor to Bartlett Arkell, New York, N. Y. Process and machine for the manufacture of tubes made of paper or like material. 2,042,531; June 2.
Jayne, David W., Jr. (See Christmann, L. J., and Jayne.)
Jell-Well Dessert Company. (See Blount, Alvin H., assignor.)
Jeltsch, Arnold. (See Rumscheidt, C., Jeltsch, Strzyzewski, and Hegge.)
Jeremiassen, Finn, assignor to Aktieselskapet Krystal, Olso, Norway. Crystallization apparatus. 2,042,661; June 2.
Jesser, Albert E., Vandergrift, assignor to Pittsburgh Steel Drum Company, Pittsburgh, Pa. Metal sput and attaching the same to sheet metal containers. 2,043,101; June 2.
John, Robert, New York, N. Y., assignor to International Patents, Ltd., Dover, Del. Oil package. 2,042,996; June 2.
Johns-Manville Corporation. (See Rinehart, Harry H., assignor.)
Johns-Manville Corporation. (See Stafford, William L., assignor.)
Johnson, Alfred, West New Brighton, assignor to Combustion Utilities Corporation, New York, N. Y. Oil gasification process. 2,042,997; June 2.
Johnson, Alfred, West New Brighton, assignor to Combustion Utilities Corporation, New York, N. Y. Oil gasification process. 2,042,998; June 2.
Johnson, Alfred, West New Brighton, assignor to Combustion Utilities Corporation, New York, N. Y. Oil gasification process. 2,042,999; June 2.
Johnson, Horace L. (See Ross, R. N., and Johnson.)
Johnson, Milton, Port Orchard, Wash. Slicing device. 2,043,175; June 2.
Johnson, Raymond K. (See Dake, C. W., and Johnson.)
Johnson, Stanley N., assignor to Motor Wheel Corporation, Lansing, Mich. Assembling die. 2,042,716; June 2.
Johnston, Arthur J., Aldan, Pa., assignor to General Electric Company. Remote signaling system. 2,042,532; June 2.
Jordan, Claude W. (See Ward, A. L., Jordan, and Milbourne.)
Joseph, Alfred, Paris, France, assignor, by mesne assignments, to Houdry Process Corporation, Dover, Del. Catalytic apparatus and regenerating contact masses therein. 2,042,469; June 2.
Judge, Thomas J., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,042,662; June 2.
Juno Corporation Limited. (See Stewart, Charles E., assignor.)
Kalif Corporation. (See Pike, Robert D., assignor.)
Karge, Maxwell R., Brockport, N. Y. Cooling unit. 2,043,176; June 2.
Karolus, August, Leipzig, Germany, assignor to Radio Corporation of America. Photoelectric amplifying system. 2,042,602; June 2.
Kaat, Samuel H., assignor to Railway & Industrial Engineering Company, Greensburg, Pa. Relay system. 2,042,901; June 2.
Katadyn Inc. (See Krause, Georg A., assignor.)
Kaylor, Jacob H. (See Mebarg, L., Kaylor, and Rodenbaugh.)
Kekoni, John, Anchorage, Alaska. Detachable heel lift. 2,043,177; June 2.
Kelsey-Hayes Wheel Company. (See Dostal, Joseph L., assignor.)
Kelvinator Corporation. (See Ellis, Don G., assignor.)
Kelvinator Corporation. (See Graham, Frank O., assignor.)
Kemila, Johannes H., et al. (See Satukangas, Hannes, assignor.)
Kempster, Ernest B., Jr., assignor to General Railway Signal Company, Rochester, N. Y. Signaling system for railroads. 2,042,663; June 2.
Kester, Ernest B., Pittsburgh, Pa., assignor, by mesne assignoments, to Koppers Gas and Coke Company. Producing phenols. 2,043,102; June 2.
Kester, Ernest B., Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Gas and Coke Company. Apparatus for extracting substances such as phenolic materials. 2,043,103; June 2.
Ketay, Morris F., Brooklyn, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind. Signal control apparatus. 2,043,000; June 2.
Key Company. (See Key, Frederick E., assignor.)
Key, Frederick E., St. Louis, Mo., assignor to Key Company. Tube connecting device. 2,042,603; June 2.
Kidde, Walter, & Company. (See Grant, Harry C., Jr., assignor.)
Kieffer, John E., Ewing, Ind. Indented shock absorbing cushioning or packing paper. 2,042,470; June 2.
Kieser, Walter, Berlin, Germany, assignor to General Electric Company. Rotary pump, blower, or compressor and the like. 2,042,533; June 2.
Kille, Lindley A. (See Buchanan, R. B., and Kille.)
Killman, Robert T. (See Killman, Thomas A. and R. T.)
Killman, Thomas A. and R. T., Nashville, Tenn. Hydraulic shock absorber. 2,042,664; June 2.
Kimble Glass Company. (See Meyer, Felix, assignor.)
King, Edward S., Chicago, Ill. Projector slide. 2,042,604; June 2.
Kinzel, Augustus B., Flushing, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Producing gases. 2,042,665; June 2.
Kirgan, John. (See Woodard, G. H., and Kirgan.)
Kirk & Blum Manufacturing Company, The. (See Hulton, Charles S., assignor.)
Klaiber, Edward C., Memphis, Tenn., assignor to The Wabash Screen Door Company, Minneapolis, Minn. Fly escape structure. 2,043,043; June 2.
Kliesrath, Victor W., assignor to Bragg-Kliesrath Corporation, South Bend, Ind. Clutch control. 2,042,717; June 2.
Klein, Max. (See Dunn, J. C., and Klein.)
Kline, Emil, Buffalo, assignor to Du Pont Rayon Company, New York, N. Y. Producing rayon. 2,042,944; June 2.
Knapp, Charles L., Shenandoah, Pa. Trap holder for milk and other bottles. 2,042,605; June 2.
Knapp, George S., assignor to thirty per cent to F. Lammers and fifteen per cent to G. H. Sullivan and K. G. Neumeier, copartners as Sullivan and Neumeier, Stillwater, Minn. Brake. 2,042,850; June 2.
Knobloch, Carl, Akron, Ohio. Liquid level gauge. 2,042,471; June 2.
Knoderer, Homer G., Fairfield, Conn., assignor to General Electric Company. Electric cable. 2,043,044; June 2.
Knowles, William H., Indianapolis, Ind., assignor, by mesne assignments, to General Cap Co. Inc., New York, N. Y. Forming machine. 2,042,851; June 2.
Knowlton, Cutler D., Beverly, assignor to Hoague-Sprague Corporation, Lynn, Mass. Machine for making box parts. 2,042,472; June 2.
Koch, Heinrich. (See Zahn, K., Koch, and Winand.)
Koch, Wilhelm, and H. Winkeler, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyestuffs and their production. 2,043,199; June 2.
Koppers Gas and Coke Company. (See Kester, Ernest B., assignor.)
Koppers Products Company. (See Durfee, Elton F., assignor.)
Kotowski, Paul, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Variable resistor unit. 2,042,606; June 2.
Koupal, Walter G., Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Glass tank and operating the same. 2,042,852; June 2.
Krabl, Walter L., Swampscott, assignor to Hygrade Sylvania Corporation, Salem, Mass. Electron discharge tube. 2,042,607; June 2.
Krause, Georg A., Munich, Germany, assignor, by mesne assignments, to Katadyn Inc., New York, N. Y. Device for treating liquids. 2,042,534; June 2.
Krauss, Alwin, Frankfort-on-the-Main-Griesheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Welding. 2,043,212; June 2.
Krinard, Emma J., St. Louis, Mo. Cooking utensil. 2,043,045; June 2.
Krines, Oskar, Berlin, Germany, assignor to General Electric Company. Metal tank vapor electric device. 2,042,535; June 2.
Kritchevsky, Wolf, assignor to Rit Products Corporation, Chicago, Ill. Dye preparation. 2,042,473; June 2.
Kritchevsky, Wolf, assignor to Rit Products Corporation, Chicago, Ill. Dye preparation. 2,043,179; June 2.
Kritchevsky, Wolf, assignor to Rit Products Corporation, Chicago, Ill. Dye preparation. 2,043,178; June 2.
Krum, Howard L., Kenilworth, assignor to Teletype Corporation, Chicago, Ill. Tape perforator. 2,042,788; June 2.
Kuckuck, Emil J., Pleasant Lake, Ind. Collapsible control lever for agricultural implements. 2,042,789; June 2.
Kuhnl, Leopold, Bridgeport, Conn., assignor to Magazine Repeating Razor Company, New York, N. Y. Magazine for razor blades. 2,043,046; June 2.

Kulikowski, Peter, Chicago, Ill. Hedge trimmer. 2,042,902; June 2.
Kunkle, Bayard D., assignor to General Motors Corporation, Detroit, Mich. Motor mount. 2,042,666; June 2.
Labombarde, Elie W., deceased, Nashua, N. H., F. B. Clancy, administrator, Nashua, N. H. Making a box. 2,043,104; June 2.
Lachman, Arthur, Berkeley, Calif., assignor, by mesne assignments, to Vapor Treating Processes Inc. Refining hydrocarbon oils. 2,042,718; June 2.
Le Fave, Victor A., Rantoul, Ill. Safety coil box. 2,043,180; June 2.
Lairet, Andres F., Carcacas, Venezuela. Pay indicator. 2,043,047; June 2.
Lambrecht, Gustav A., Marinette, Wis. Fish bait or lure. 2,043,001; June 2.
Lammers, Fred, et al. (See Knapp, George S., assignor.)
Lamort, E. et M., Fils. (See Lamort, Marcel, assignor.)
Lamort, Marcel, assignor to E. et M. Lamort Fils, Vitry-le Francoix, France. Endless conveyer band filter. 2,043,181; June 2.
Lange, Henry, assignor to The Quincy Stove Manufacturing Company, Quincy, Ill. Gas burner control mechanism for ranges, stoves, and the like. 2,043,106; June 2.
Langstreth, Melon. (See Brazier, S. A., Hampson, and Langstreth.)
La Plant-Choate Manufacturing Company. (See Greer, Edward R., assignor.)
Latzko, Johann, Vienna, and O. Plechl, Paffstatten, Austria, assignors to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Living diagram. 2,042,667; June 2.
La Voice, Lewis, assignor of one-half to E. Rowe, Springfield, Mass. Game device. 2,043,105; June 2.
Leake, Richard C., assignor to General Railway Signal Company, Rochester, N. Y. Train dispatching system for railroads. 2,042,668; June 2.
Leake, Richard C., and R. M. Phinney, assignors to General Railway Signal Company, Rochester, N. Y. Train dispatching system for railroads. 2,042,669; June 2.
Leake, Richard C., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic control system. 2,042,670; June 2.
Lechler, Paul. (See Maurer, Friedrich, assignor.)
Lechler, Wilhelm, Munich, Germany. Apparatus for neutralizing noxious organisms. 2,043,002; June 2.
Lee, Arthur L., Oakmont, Pa. Flexible coupling. 2,042,608; June 2.
Lee Rubber & Tire Corporation. (See Carlin, James C., assignor.)
Lee, William W., Maywood, Ill. Well point. 2,042,790; June 2.
Lees-Bardner Company, The. (See Schurr, Charles H., assignor.)
Lefler, Melvin N. (See Lundelius, O. F., and Lefler.)
Legallion, Charles W., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Strip rubber and method and apparatus for producing the same. 2,042,536; June 2.
Lehr, Charles E., Bethlehem, Pa., assignor to Bethlehem Steel Company. Ladle. 2,043,048; June 2.
Lemay, Omer V., Minneapolis, Minn. Measuring spoon. 2,042,945; June 2.
Lets Manufacturing Company, The. (See Holland-Letz, John, assignor.)
Lewis, Edward G., Columbus, Ohio. Sewing accessory. 2,042,947; June 2.
Lewis, Edward Z., Evanston, Ill., assignor to General Manifold & Printing Co. Duplicating sales pad. 2,043,182; June 2.
Lewis, Harry F., Hamden, N. J., assignor to United States Rubber Company, New York, N. Y. Compacting apparatus. 2,042,948; June 2.
Lewis, Robert, assignor to The Denver Fire Clay Company, Denver, Colo. Control device. 2,042,609; June 2.
Libbey-Owens-Ford Glass Company. (See Ryan, J. D., and G. B. Watkins, assignors.)
Libbey-Owens-Ford Glass Company. (See Ford, George R., Jr., assignor.)
Libbey-Owens-Ford Glass Company. (See Hohmann, Frederick R., assignor.)
Libbey-Owens-Ford Glass Company. (See Rosin, Edwin A., assignor.)
Liddell, Robert P. F., Darien, Conn., assignor to Motor Improvements, Inc., Newark, N. J. Filter and making same. 2,042,537; June 2.
Linderman, Garrett B., Jr., Beverly, N. J., assignor to Varilux Holding Corporation, Limited, Nassau, Bahamas. Animated sign and operating it. 2,043,200; June 2.
Lindgren, Frank O., assignor to General Mills, Inc., Minneapolis, Minn. Machine for depositing circulars into containers. 2,042,719; June 2.
Lindner, Herbert, Berlin, Germany. Jig boring machine. 2,042,720; June 2.
Lindsey, Alfred A. (See Smith, Russell H., assignor.)
Litchfield, Earl A., Defiance, Ohio. Fastening tool handle. 2,043,003; June 2.
Littell, Nelson. (See Nevin, Edward B., assignor.)
Littleton, Jesse T., assignor to Corning Glass Works, Corning, N. Y. Method and apparatus for tempering glass. 2,042,610; June 2.
Lloyd, Whitten P., and M. H. Hill, assignors to The Haloid Company, Rochester, N. Y. Photocopy machine. 2,043,004; June 2.
Loeb, Herbert B. et al. (See Silverman, Leo, assignor.)
Loewy, Morris, Flushing, N. Y. Metal panel construction. 2,042,721; June 2.
Long, George A., assignor to The Gray Telephone Pay Station Company, Hartford, Conn. Telephone toll apparatus. 2,043,201; June 2.
Lubrication Corporation, The. (See Tear, H. R., and Roth, assignors.)
Luce, Wilhelm. (See Hotz, E., and Luce.)
Ludden, Joseph, New York, N. Y. Copper pan for window and wall construction. 2,043,049; June 2.
Lukens, Hiram S., Philadelphia, Pa., assignor to United Chromium, Incorporated, New York, N. Y. Control of chromium plating solutions. 2,042,611; June 2.
Lundberg, Everett E., Grosse Pointe Park, assignor to Briggs Manufacturing Company, Detroit, Mich. Front end construction. 2,043,050; June 2.
Lundelius, Oscar F., and M. N. Lefler, assignors to Lundelius & Eccleston Motors Corporation, Los Angeles, Calif. Automobile spring mounting. 2,042,853; June 2.
Lundelius & Eccleston Motors Corporation. (See Lundelius, O. F., and Lefler, assignors.)
Lynch, John W. (See McArdle, M. W., and Lynch.)
Lyon, George A., Allenhurst, assignor to Lyon Incorporated, Asbury Park, N. J. Tire cover construction. 2,042,949; June 2.
Lyon Incorporated. (See Lyon, George A., assignor.)
Macconochie, Arthur F., University, Va. Grass and weed mower. 2,042,854; June 2.
MacGregor, Wallace F., assignor to J. I. Cas Company, Racine, Wis. Baling press. 2,042,612; June 2.
Mackenzie, Duncan G., Ilford, England. Internal combustion engine of the two-stroke type. 2,042,722; June 2.
Maclean, Leonard A., Reading, Mass. Labeling implement. 2,042,671; June 2.
Maclean, Leonard A., Reading, Mass. Mount for cards, etc. 2,042,672; June 2.
MacLeod, Lester R., Ardsley, assignor to Anaconda Wire & Cable Company, New York, N. Y. Taping mechanism. 2,043,051; June 2.
Macmar Corporation. (See McKee, R. H., and Winter, assignors.)
Macnell, Paul H., Huntington, N. Y. Direct current amplifier. 2,043,107; June 2.
Magazine Repeating Razor Company. (See Kuhnl, Leopold, assignor.)
Magill, Wilbur S., Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing apparatus. 2,042,538; June 2.
Maisch, Theodore L., assignor to Hydraulic Products Co., Chicago, Ill. Hydraulic brake for vehicles. 2,042,539; June 2.
Makenny, William, Mountain View, N. J., assignor to Westinghouse Lamp Company. Radio tube base. 2,042,950; June 2.
Mancini, Niccolo, Florence, Italy. Discharge mechanism for automatic firearms. 2,042,613; June 2.
Manders, Theodorus J. J. A., Eindhoven, Netherlands, assignor to General Electric Company. Electrical device. 2,042,540; June 2.
Maniscalco, Pietro, Toledo, Ohio. Air compressor. 2,042,673; June 2.
March, Laurel A., Schenectady, N. Y., assignor to General Electric Company. Inductor dynamo-electric machine. 2,043,052; June 2.
Marchand, Eugene W. (See Zinkil, R. H., and Marchand.)
Marco, Frederick J., assignor to Fred C. McClellan, Chicago, Ill. Game apparatus. 2,042,723; June 2.
Marden, John W., East Orange, N. J., assignor to Westinghouse Lamp Company. Electron discharge device. 2,042,951; June 2.
Marden, John W. (See Rentschler, H. C., and Marden.)
Marinsky, Davis, Bronx, assignor to Whitehall Patents Corporation, New York, N. Y. Making riders. 2,042,541; June 2.
Martin, Charles C., East Cleveland, assignor to David Round & Son, Garfield Heights, Ohio. Winch. 2,042,674; June 2.
Martin, Edward J., Ferndale, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Quantitative spectroscopic analysis and apparatus therefor. 2,043,053; June 2.
Martin, Walter H. (See Peabody, E. H., and Martin.)
Martinet, Eugene F., assignor to The P. A. Geier Company, Cleveland, Ohio. Beater. 2,042,791; June 2.
Marty, Mathew J., and R. H. Hausse, Chicago, Ill. Indicator and control for automobile heaters. 2,043,054; June 2.
Masnou, Maurice, Paris, France, assignor to General Electric Company. Electric current rectifier. 2,042,542; June 2.
Mast, Joseph, Phoenix, Ariz. Necktie holder. 2,043,903; June 2.
Matthes, Arno. (See Hubert, E., and Matthes.)
Maurer, Friedrich, Cannstatt, assignor to P. Lechler, Stuttgart, Germany. Mixing apparatus for liquids. 2,043,108; June 2.

Mauersberger, Ernst A., Naarssen, near Utrecht, Netherlands, assignor to The Richards Chemical Works, Jersey City, N. J. Sulphonated products and producing them. 2,042,952; June 2.

Maus, Johann, Stuttgart, Germany. Ski tie. 2,042,543; June 2.

Mauser, Karl W., Waldeck, Germany. Double-walled vessel. 2,043,183; June 2.

Mauzin, André E. Paris, France. Railway track gauge. 2,042,614; June 2.

Maxim Silencer Company, The. (See Bourne, Roland B., assignor.)

Maxson, William L., Pipestone, Minn. Indicator. 2,042,615; June 2.

Mayberry, Frederick A., Wichita, Kans. Colon irrigator. 2,043,005; June 2.

Mayer, Hans. (See Straub, F. and Mayer.)

Mayer, William, New York, N. Y. Adjustable necktie. 2,043,055; June 2.

McArdle, Michael W., and J. W. Lynch, assignors to Chicago Flexible Shaft Company, Chicago, Ill. Making sole plates for sadirons. 2,042,953; June 2.

McCabe Maier Corporation. (See Carpenter, Walter E. assignor.)

McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,042,904; June 2.

McClellan, Fred C. (See Hooker, Donald E., assignor.)

McClellan, Fred C. (See Marco, Frederick J., assignor.)

McCluskey, William A., St. Louis, Mo. Christmas tree ornament. 2,042,905; June 2.

McCollum, Henry J. De N., Evanston, Ill. Automatic spark adjuster. 2,042,616; June 2.

McCoy, Henry J., Minneapolis, Minn. Static eliminator. 2,042,792; June 2.

McCrea, Robert H. Oakmont, Pa. Catcher and thrower game device. 2,042,544; June 2.

McElwaine, Clayton B., assignor of fifty-one per cent to H. N. Greis, Tulsa, Okla. Balanced pressure regulator. 2,042,906; June 2.

McIntire, James E., Peabody, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Taping and folding machine. 2,042,545; June 2.

McKee, Ralph H., and E. A. Winter, assignors to Macmar Corporation, New York, N. Y. Recovery of carbon dioxide from waste gases. 2,043,109; June 2.

McKesson, Elmer I., deceased, M. F. McKesson, executrix, assignor to M. F. McKesson, Toledo, Ohio. Gas administering. 2,042,474; June 2.

McKesson, Martha F., executrix. (See McKesson, Elmer I., assignor.)

McLaurin, William W., deceased, Brookfield, Mass., by Old Colony Trust Company, executor of will. Reenforcing and sealing cartons and materials therefor. 2,043,110; June 2.

McMahon, Earl, et al. (See Ahlmark, R. B., and Young, assignors.)

McWane, Arthur T., executor et al. (See McWane, James R.)

McWane Cast Iron Pipe Co. (See McWane, James R., assignor.)

McWane, James R., deceased, late of Burmingham, Ala., by Arthur T. McWane, W. McWane, and J. H. Cabaniss, executors, assignor to McWane Cast Iron Pipe Company, Birmingham, Ala. Supporting and positioning core bars in flasks and combinations of such means with core bars and flasks. 2,042,907; June 2.

Meharg, Laurence, J. H. Kaylor, and D. I. Rodenbaugh, assignors to Hazel-Atlas Glass Company, Wheeling, W. Va. Protective system for furnaces. 2,042,475; June 2.

Meier, August C. E., New York, N. Y. Cleaning appliance. 2,042,546; June 2.

Memmel, Emil E., Milwaukee, Wis. Door check. 2,042,954; June 2.

Meredith, Sherman C., San Mateo, P. W. Alston, Berkeley, E. T. Winslow, Saratoga, and C. White, assignors to Spreckels Sugar Company, San Francisco, Calif. Method and apparatus for recovering sugar. 2,042,724; June 2.

Mergenthaler Linotype Company. (See Albrecht, Christian A. assignor.)

Mergott, J. E., Company. (See Hiering, William C., assignor.)

Merk, George S., Flushing, N. Y. Frame for handbags, purses, or the like. 2,042,793; June 2.

Merklein, William A., Brooklyn, N. Y. Electric heater. 2,042,855; June 2.

Merriam, Henry F., West Orange, N. J., assignor to General Chemical Company, New York, N. Y. Manufacture of sulphuric acid. 2,042,675; June 2.

Merriam, Henry F., West Orange, N. J., assignor to General Chemical Company, New York, N. Y. Reducing sulphur dioxide. 2,043,202; June 2.

Merrill, Marcellus S., Denver, Colo. Apparatus for straightening axles and truing the wheels of automobiles. 2,042,856; June 2.

Merritt, Ralph N. S., assignor to Norton Company, Worcester, Mass. Abrasive saw tooth. 2,043,184; June 2.

Messing, Joseph A. (See Frank, H. J. L., Messing, and Harper.)

Metropolitan Engineering Company. (See Murray, Thomas E., assignor.)

Meyer, Andre J., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 2,043,111; June 2.

Meyer, Felix, Aachen, Germany, assignor to Kimble Glass Company, Vineland, N. J. Blank support for a forming machine. 2,042,794; June 2.

Meyer, Henry H., assignor to L. J. Eppinger, Detroit, Mich. Printing on irregular surfaces. 2,042,476; June 2.

Miesse, Jules, Brussels, Belgium. Rear axle for automotive vehicles. 2,043,185; June 2.

Mikkelsen, Oluf. (See Harmon, Lloyd J., assignor.)

Milbourne, Charles G. (See Ward, A. L., Jordan, and Milbourne.)

Miller, Alvah L. Croton, N. Y., and G. M. Darby, Westport, Conn, assignors, by mesne assignments, to The Dorr Company Inc., New York, N. Y. Manufacture of bi-sulphite liquor. 2,042,477; June 2.

Miller, Alvah L., North Tarrytown, R. W. Shafor, New York, N. Y., and G. M. Darby, Westport, Conn., assignors to The Dorr Company, Inc., New York, N. Y. Production of bisulphite liquor. 2,042,478; June 2.

Miller, Charles A., et al. (See Sutton, Cyril D., assignor.)

Miller, Herbert S., et al. (See Ahlmark, R. B., and Young, assignors.)

Miller Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Apparatus for saturating absorbent articles. 2,042,676; June 2.

Miller, Stuart P., Englewood, N. J., assignor to The Barrett Company, New York, N. Y. Saturator for absorbent articles. 2,042,677; June 2.

Miller, Stuart P., Scarsdale, assignor to The Barrett Company New York, N. Y. Impregnating fibrous conduits. 2,042,678; June 2.

Mixing Equipment Company. (See Craddock, Frederick L., assignor.)

Modern Food Process Company. (See Vogt, Charles H., assignor.)

Moloney, Raymond T. (See Breitenstein, Herbert G., assignor.)

Montelius, Carl O. J., assignor to Aktiebolaget Imo-Industri, Stockholm, Sweden. Apparatus for measuring liquids. 2,042,725; June 2.

Montrose-Oster, Louis-Eugéne-Widolt, Karlsbad, Czechoslovakia. Glude wheel for vehicles. 2,042,622; June 2.

Montrose-Oster, Louis-Eugéne-Widolt, Carlsbad, Czechoslovakia. Pivoted wheel for vehicles. 2,042,623; June 2.

Morgan, Mathew B., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Driving axle mechanism. 2,043,006; June 2.

Morins, Leon J. F., Lyon, France. Hair net. 2,042,908; June 2.

Mory, Albert J. (See Schmidt, S. W., and Mory.)

Motor Improvements, Inc. (See Liddell, Robert P. F., assignor.)

Motor Wheel Corporation. (See Hunt, J. Harold, assignor.)

Motor Wheel Corporation. (See Johnson, Stanley N., assignor.)

Motor Wheel Corporation. (See Van Halteren, Andrew S., assignor.)

Mueller, Emil L., Rutherford, N. J. Printing machine. 2,043,056; June 2.

Mueller, John A., Farmington, Mo. Window screen. 2,042,726; June 2.

Mueller, Joseph J., Racine, Wis., assignor to American Grinder and Specialty Corporation, Milwaukee, Wis. Hydraulic jack. 2,042,727; June 2.

Mullett, Howard A., assignor to Bradley Washfountain Company, Milwaukee, Wis. Compartment shower. 2,042,547; June 2.

Muntz, Eric P., Hamilton, Ontario Canada. Clamp for concrete form work. 2,042,955; June 2.

Murphy, James E., H. W. Schmitz, and A. M. Peabody, Seattle, Wash. Adjustable louver. 2,042,617; June 2.

Murray, John F., trustees, et al. (See Murray, Thomas E.)

Murray, Joseph B., trustees, et al. (See Murray, Thomas E.)

Murray, Kenneth L., Evanston, Ill., assignor to Beatrice Creamery Company. Container. 2,042,796; June 2.

Murray, Louis W., and R. L. Seabury, Anderson, Ind., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Mixing resins with other material. 2,042,679; June 2.

Murray, Thomas E., deceased, New York, N. Y., J. B. Murray, T. E. Murray, Jr., and J. F. Murray, executors, assignors to Metropolitan Engineering Company. Boiler. 2,042,618; June 2.

Murray, Thomas E., Jr., trustees, et al. (See Murray, Thomas E.)

Naamlooze Vennootschap Machinefabriek Reineveld. (See van Riel, Pieter, assignor.)

Nakken Patents Corporation. (See Nakken, Theodorus H., assignor.)

Nakken, Theodorus H., New York, N. Y., assignor to Nakken Patents Corporation. Noiseless recording. 2,042,619; June 2.

National Acme Company, The. (See Diebold, Charles E., assignor.)

National Machinery Company, The. (See Clouse, William L., assignor.)

National Tinsel Manufacturing Company. (See Protz, William C., assignor.)

Natural Food Products Company. (See Stephens, H. C., and Hoar, assignors.)

Nebraska Bridge Supply and Lumber Company. (See Hatch, E. J., and Stringer, assignors.)

Nechin, Abraham, assignor to Zelda Nechin, Chicago, Ill. Metal structure. 2,042,797; June 2.

Nechin, Zelda. (See Nechin, Abraham, assignor.)

Nelson, Adolph L., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Piston. 2,043,112; June 2.

Nelson, Arthur B., Arcadia, assignor to California Fruit Growers Exchange, Los Angeles, Calif. Conditioning fruit. 2,042,857; June 2.

Nelson, Nels, Upper Darby, Pa. Radio tuning device. 2,042,956; June 2.

Neumeier, Carl G., et al. (See Knapp, George S., assignor.)

Neville, Joseph E., Deer Lodge, Mont. Animal trap. 2,042,728; June 2.

Nevin, Edward B., New York, N. Y., assignor to Nelson Littell, New Canaan, Conn. Motor vehicle. 2,043,057; June 2.

New Products Corporation. (See Banker, Oscar H., assignor.)

Newhall, Carl A., Peabody, Mass., assignor to the United Shoe Machinery Corporation, Paterson, N. J. Machine for applying activating liquids to cemented shoe parts. 2,042,479; June 2.

Nicolas, Marcel A., Buffalo, assignor to Bagpak, Inc., New York, N. Y. Spout for bag filling. 2,042,858; June 2.

Nicolson, Alexander M., assignor to Communications Patents, Inc., New York, N. Y. Elastic wave television system. 2,042,859; June 2.

Nineteen Hundred Corporation. (See Behan, Thomas W., assignor.)

Noble & Wood Machine Co., The. (See Tolman, C. P., and Coghill, assignors.)

Norddeutsche Seekabelwerke Aktiengesellschaft. (See Traugott, Carl, assignor.)

Norden Laboratories. (See Harris, Lewis E., assignor.)

Norton Company. (See Merritt, Ralph N. S., assignor.)

Noyes, John D., assignor to The Detroit Edison Company, Detroit, Mich. Electric circuit terminal structure. 2,042,620; June 2.

O'Dette, William A., Garden City, Kans. Nursing bottle. 2,043,186; June 2.

Ohlendorf, Heinrich. (See Reddelien, G., and Ohlendorf.)

Oilgear Company, The. (See Ferris, Walter, assignor.)

Old Colony Trust Company, executor. (See McLaurin, William W.)

Olin, John F., assignor to The Sharples Solvents Corporation, Philadelphia, Pa. Alkylol amines. 2,042,621; June 2.

Olson, Emil, New York, N. Y. Gas burner. 2,042,798; June 2.

Oronoque Oil Burner Corporation. (See Holmes, Leslie W., assignor.)

Ort, William, assignor of forty-nine per cent to V. L. Bolton, Wichita Falls, Tex. Shipping and dispensing carton. 2,042,799; June 2.

Ortner, Joseph L. (See Smith, Richard D., assignor.)

Osnos, Mendel, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie M. b. H., Berlin, Germany. Variable condenser. 2,042,957; June 2.

Ossenbeck, Anton. (See Hilger, J., Ossenbeck, and Tietze.)

Owen, Ralph J. (See Rathbun, F. J. and Owen.)

Owens, Charles, Chattanooga, Tenn. Orthopedic instrument for the detection of foot disorders 2,043,187; June 2.

Palmgren, Nils A., assignor to Aktiebolaget Svenska Kullagerfabriken. Goteborg, Sweden. Plain bearing. 2,043,213; June 2.

Pankonin, William G., Chicago, Ill. Stapling machine. 2,042,958; June 2.

Parkhill-Wade, Incorporated. (See Sandberg, William A., assignor.)

Parsons, Charles T. S. (See Rieger, William F., assignor.)

Patterson, Joseph C., Jr., Washington, D. C. Overhauling hoist. 2,042,480; June 2.

Patterson, Joseph C., Washington, D. C. Device for paying out a hoisting line. 2,042,481; June 2.

Paxton, Robert, Lansdowne, G. M. Reed, Yeadon, and C. H. Hill, Drexel Hill, Pa., assignors to General Electric Company. Metal enclosed switchgear. 2,043,113; June 2.

Peabody, Alexander M. (See Murphy, J. E., Schmitz and Peabody.)

Peabody Engineering Corporation. (See Peabody, E. H., and Martin, assignors.)

Peabody, Ernest H., New York, and W. H. Martin, Mount Vernon, assignors to Peabody Engineering Corporation, New York, N. Y. Method and apparatus for the regulation of viscosity of liquids. 2,042,860; June 2.

Pearson, Norman W., Hatboro, Pa. Brake. 2,042,624; June 2.

Pehl, Andrew J., Seattle, Wash. Multiple speed bicycle. 2,042,861; June 2.

Perkins, Granville A., South Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Dichloroalkyl ethers. 2,042,862; June 2.

Peterman, Fernando B., assignor to International Lead Refining Co., East Chicago, Ind. Producing lead alloys. 2,042,625; June 2.

Peters, Adolf M., New York, N. Y. Telephone accessory. 2,042,548; June 2.

Philly, dit de Philly, Claude J. F., Le Genest, France. Apparatus for the amalgamation of ores. 2,043,115; June 2.

Phinney, Edgar E., West Orange, N. J., assignor to Defiance Manufacturing Corporation, Orange, N. J. Check writer. 2,042,959; June 2.

Phinney, Robert M. (See Leake, R. C., and Phinney.)

Platti, Pasquale, Paterson, N. J. Loom stop motion. 2,043,116; June 2.

Pickett, Francis N., Westminster, London, England, assignor to United States Rubber Products, Inc., New York, N. Y. Hard rubber dust. 2,042,960; June 2.

Picolet, Lucien E., Philadelphia, Pa. Tie retainer. 2,042,961; June 2.

Pike, Robert D., Piedmont, assignor to Kalif Corporation, Emeryville, Calif. Process and apparatus for making bearings. 2,042,800; June 2.

Pioneer Instrument Company. (See Colvin, Charles H., assignor.)

Piqua Hosiery Company, The. (See Cunningham, Patricia, assignor.)

Pitt, William, Brooklyn, N. Y. Circuit closer. 2,042,863; June 2.

Pittman, Robert H., Pittsburgh, Pa. Combination dish. 2,042,801; June 2.

Pittsburgh Plate Glass Company. (See Allison, Merrill F., assignor.)

Pittsburgh Plate Glass Company. (See Fox, John H., assignor.)

Pittsburgh Plate Glass Company. (See Koupal, Walter G., assignor.)

Pittsburgh Steel Drum Company. (See Jesser, Albert E., assignor.)

Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Fastener. 2,043,007; June 2.

Platt, Herbert, Cumberland, Md., assignor to Celanese Corporation of America. Coloration of materials. 2,042,802; June 2.

Plechl, Otto. (See Latzko, J. and Plechl.)

Pleiss, Walter H., Ludington, Mich. Mop construction. 2,042,803; June 2.

Ploeger, Clyde E., Evansville, Ind., assignor to Servel Inc., New York, N. Y. Magnetic unloader. 2,043,058; June 2.

Ploeger, Clyde E., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Magnetic unloader. 2,043,059; June 2.

Pontis, William G., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Electric connecter. 2,042,680; June 2.

Pontzen, Herbert, Heilbronn-on-the-Neckar, Germany, assignor to American Lurgi Corporation, New York, N. Y. Combination furnace. 2,042,626; June 2.

Pool, William. (See Dreyfus, H., and Pool.)

Pool, William O. (See Ralston, A. W., Pool, and Harwood.)

Pooley, George. (See Willcox, J. T. A., and Pooley and Bonnaud.)

Posselt, Ejnar. (See Avnsoe, T., and Posselt.)

Pranke, Edward J., Great Barrington, Mass., assignor to E. I. du Pont de Nemours & Company, Inc. Removing water from cyanid. 2,042,549; June 2.

Primrose, James. (See Thomson, R. F., Smith, and Primrose.)

Pringle, Edward, et al. (See Sutton, Cyril D., assignor.)

Prinz, Dietrich, and H. O. Roosenstein, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Ultra short wave oscillation generator. 2,042,864; June 2.

Protz, William C., assignor to National Tinsel Manufacturing Company, Manitowoc, Wis. Package for strand material. 2,043,118; June 2.

Prüss, Max, Essen-on-the-Ruhr, Germany. Sludge digestion tank. 2,043,119; June 2.

Pruvot, Henri-E-N., Sotteville les Rouen, France, assignor to C. C. Wakefield & Company Limited, London, England. Lubricating device. 2,042,681; June 2.

Puffer, Samuel R., Saugus, Mass., assignor to General Electric Company. Supercharger for internal combustion engines. 2,042,550; June 2.

Pullman-Standard Car Manufacturing Company. (See Blomberg, Martin P., assignor.)

Punga, Franklin, Darmstadt, and H. Roos, Allensbach-on-the-Bodensee, Germany. Cooling the inductors of turbo-generators. 2,043,120; June 2.

Quemore, William J., Camden, N. J. Musical instrument. 2,043,121; June 2.

Quincy Stove Manufacturing Company, The. (See Lange, Henry, assignor.)

Quinn, Frank J., Upper Darby, Pa. Automatic weighing machine. 2,042,627; June 2.

Quinn, Robert G. (See Campbell J., and Quinn.)

R. C. Can Company. (See Rutkowski, Walter L., assignor.))

Rabuazzo, Salvatore, New York, N. Y. Shutter for accordions. 2,043,060; June 2.

Radio Corporation of America. (See Black, Knox C., assignor.

Radio Corporation of America. (See Crosby, Murray G., assignor.)

Radio Corporation of America. (See Ewen, Harry A., assignor.)

Radio Corporation of America. (See Karolus, August, assignor.)

Radio Corporation of America. (See Roberts, Walter van B., assignor.)

Radio Corporation of America. (See Round, Henry J., assignor.)
Radio Corporation of America. (See Scofield, Theodore J., assignor.)
Radio Corporation of America. (See Usselman, George L., assignor.)
Radio Receptor Co. Inc. (See Cohn, Hugo, assignor.)
Ragan, Ralph, Atlanta, Ga., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa. Ring and traveler for spinning and twisting frames. 2,042,628; June 2.
Railway & Industrial Engineering Company. (See Kast, Samuel H., assignor.)
Ralston, Anderson W., W. O. Pool, and J. Harwood, assignors to Armour and Company, Chicago, Ill. Separating fatty acids. 2,042,729; June 2.
Ransom, John B., Rensselaer, assignor to H. D. Bob Company, Inc., New York, N. Y. Garment construction. 2,042,629; June 2.
Ransom, Richard B., Nashville, Tenn. Steering mechanism for four-wheeled vehicles. 2,042,482; June 2.
Rasp, John, Cleveland, Ohio. Belt. 2,043,061; June 2.
Rathbun, Frank J., and R. J. Owen, assignors to The Louis Allis Company, Milwaukee, Wis. Combined electric motor and controller. 2,042,962; June 2.
Reddelien, Gustav, Leipzig, and H. Ohlendorf, Dessau in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Manufacture of 6-bromo-2,4-dinitraniline. 2,042,630; June 2.
Redrup, Charles B., Bristol, assignor to The Bristol Tramways & Carriage Company Limited, Bristol, Gloucester County, England. Valve mechanism of internal combustion engines. 2,042,730; June 2.
Reed, George M. (See Paxton, R., Reed and Hill.)
Reese, Samuel, Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio. Car door. 2,042,731; June 2.
Reeves, Paul B., assignor to Reeves Pulley Company, Columbus, Ind. Variable speed drive and control therefor. 2,043,008; June 2.
Reeves Pulley Company. (See Reeves, Paul B., assignor.)
Reffelt, Herman, Brooklyn, and C. Cagnon, New York, N. Y. Reinforced phonograph record. 2,042,631; June 2.
Reich, Gustave T., Anaheim, Calif. Producing fertilizer and charcoal from waste organic matter. 2,043,009; June 2.
Reilly, Alfred F., assignor to Evans Case Company, North Attleboro, Mass. Bag. 2,042,682; June 2.
Reis, Curt F., Beloit, Wis., assignor to Fairbanks Morse & Company, Chicago, Ill. Magneto rotor assembly. 2,043,010; June 2.
Renner, Alfred, Berlin-Tegel, Germany, assignor to General Electric Company. Reversing mechanism for power engines. 2,042,551; June 2.
Rentschler, Harvey C., and J. W. Marden, East Orange, N. J., assignors to Westinghouse Lamp Company. Ultra violet lamp. 2,042,963; June 2.
Reynolds, Blythe M., Utica, assignor to Heyden Chemical Corporation, New York, N. Y., and American Cyanamid Company, New York, N. Y. Effecting a constant temperature of a catalytic reaction. 2,042,632; June 2.
Richards Chemical Works, The. (See Mauersberger, Ernst A., assignor.)
Richardson, Henry F., Northport, N. Y., assignor to A. Coggeshall and H. F. Richardson, trustees. Outlet. 2,042,633; June 2.
Richardson, John H., Melrose, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Attachment of soles to shoes. 2,042,483; June 2.
Ridgers, Frederick G., assignor to N. Slater Company, Limited, Hamilton, Ontario, Canada. Bridle ring for supporting telephone drop wires. 2,042,804; June 2.
Rieger, William F., assignor, by mesne assignments, to Charles T. S. Parsons, Salt Lake City, Utah. Tuyère for stokers. 2,042,732; June 2.
Rinehart, Harry H., New Market, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Preformed semirigid unit and making the same. 2,042,964; June 2.
Risser, Arthur L., assignor to U. S. Bottlers Machinery Co., Chicago, Ill. Screw cap applying machine. 2,042,733; June 2.
Rit Products Corporation. (See Kritchevsky, Wolf, assignor.)
Ritchie, Charles F. (See Allen, W. H., Underhill, and Ritchie.)
Rivard, Nelson J., Milford, Conn. Cutting implement. 2,042,965; June 2.
Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Audio frequency amplifier. 2,042,966; June 2.
Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Automatic gain control. 2,043,062; June 2.
Rodenbaugh, Donald I. (See Meharg, L., Kaylor, and Rodenbaugh.)
Rodger Ballast Car Company. (See Hoscelt, William J., assignor.)
Roeckner, Martin, and J. Severin, Mulheim-Ruhr, assignor to Deutsche Rohrenwerke Aktiengesellschaft Dusseldorf, Germany. Producing seamless tubes. 2,042,552; June 2.
Rohland, Curt J., Seekonk, Mass., assignor to Signal Engineering & Manufacturing Company, New York, N. Y. Fire alarm device. 2,043,122; June 2.
Roos, Hermann. (See Punga, F., and Roos.)
Roosenstein, Hans O. (See Prinz, D., and Roosenstein.)
Roots-Connersville Blower Corporation. (See Brady, Francis E., assignor.)
Rose, James F., Hibbing, Minn. Railroad grade crossing. 2,042,805; June 2.
Rosin, Edwin A., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Cutting apparatus. 2,042,553; June 2.
Rosing-Muhlen Aktiengesellschaft. (See Willie, K., and E. Fritsch, assignors.)
Ross, Frederick N., and H. L. Johnson, assignors, by mesne assignments, to Briggs Manufacturing Company, Detroit, Mich. Sewing head. 2,043,063; June 2.
Ross, Frederick N., and H. L. Johnson, assignors, by mesne assignments, to Briggs Manufacturing Company, Detroit, Mich. Sewing looper mechanism. 2,043,064; June 2.
Roth, Harris C. (See Tear, H. R., and Roth.)
Round, David & Son. (See Martin, Charles C., assignor.)
Round, Henry J., London, England, assignor to Radio Corporation of America. Thermionic tube. 2,042,554; June 2.
Rowe, Arthur F., Lansing, Mich. Plastic composition and compounding the same. 2,042,795; June 2.
Rowe, Earl. (See La Voice, Lewis, assignor.)
Rowe, George E., Wethersfield, assignor to Hartford Empire Company, Hartford, Conn. Forming hollow glass articles. 2,043,065; June 2.
Roy, Aimé A., Lyon, France. Preselecting device for sheet-feeding mechanisms of stenciling machines and the like. 2,042,734; June 2.
Rubenstein, Leon, Briar Wood, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited. Preparation of low substituted cellulose sulphates. 2,042,484; June 2.
Ruff, Herbert L. (See Fry, C. W., and Ruff.)
Rumscheidt, Carl, A. Jeltsch, A. Strzyzewski, and H. Hegge, Leuna, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of coarsely crystalline ammonium sulphate. 2,043,066; June 2.
Rumscheidt, Carl, A. Jeltsch, A. Strzyzewski, and H. Hegge, Leuna, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of coarsely crystalline ammonium sulphate. 2,043,067; June 2.
Rumscheidt, Carl, A. Jeltsch, and A. Strzyzewski, and H. Hegge, Leuna, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of coarsely crystalline ammonium sulphate. 2,043,068; June 2.
Rupple, Harry W., Shaker Heights, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio. Chuck mechanism for automatic machine tools. 2,042,555; June 2.
Rüsch, Roland, Opladen, Austria, and H. Schmidt, Leverkusen-Wiesdorf, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparation of dyed filaments and films. 2,043,069; June 2.
Russell, Robert C., Dallas, Tex., assignor to Engineering Corporation, Grand Rapids, Mich. Internal combustion engine. 2,042,967; June 2.
Rutkowski, Walter L., Normandy, assignor to R. C. Can Company, St. Louis, Mo. Can package and packaging. 2,043,070; June 2.
Ruttenberg, Samuel, Brooklyn, N. Y. Electrical switch. 2,042,865; June 2.
Rüttger-Pelli, Maria, Lucerne, Switzerland. Massage apparatus. 2,043,114; June 2.
Ryan, Joseph D., and G. B. Watkins, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Laminated safety glass adhesive and preparing same. 2,042,485; June 2.
Ryan, Joseph D., and G. B. Watkins, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Plastic for laminated safety glass. 2,042,486; June 2.
Sandberg, William A., assignor to Parkhill-Wade, Incorporated, Los Angeles, Calif. Safety pressure tank for liquid storage. 2,043,071; June 2.
Sangamo Electric Company. (See Holtz, Frederick C., assignor.)
Satukangas, Hannes, Pitsjanmaki, assignor to Hannes Aarni, Lahti, and Johannes H. Kemila, Helsinki, Finland. Naught mechanism for use in ten key adding machines. 2,042,909; June 2.
Saurwein, Karl. (See Ulrich, H., Saurwein, and Siefert.)
Scharer-Nussbaumer & Co. (See Siegenthaler, Walter, assignor.)
Scheeler, Charles A., assignor to Buffalo Wire Works Co., Inc., Buffalo, N. Y. Guard for hanging electric light bulbs. 2,042,634; June 2.
Scheil, Erich, Dortmund, assignor to the firm of Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Avoiding coarse crystallization at the solidification of metallic castings. 2,042,735; June 2.
Schellens, Eugene L., Ridgewood, assignor to The Shellwood-Johnson Company, Paterson, N. J. Porous metal body and making it. 2,042,635; June 2.

Scheyer, Heinz, Frankfort-on-the-Main, and E. Schwamberger, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs of the anthraquinone series and making same. 2,042,683; June 2.
Schjolin, Eric O., Pontiac, assignor to General Motors Corporation, Detroit, Mich. Rubber suspension system. 2,043,011; June 2.
Schjöth, Ejner, Lyon, France. Securing a homogeneous mixture of hard materials and matrix metals. 2,042,684; June 2.
Schmidt, Hermann. (See Rusch, R., and Schmidt.)
Schmidt, Paul, asignor to Textile Machine Works, Wyomissing, Pa. Yarn carrier control mechanism for straight knitting machines. 2,043,214; June 2.
Schmitt, Stanley W., Hohokus, and A. J. Mory, Ridgewood, N. J.; said Mory assignor to said Schmitt. Folding crib. 2,043,072; June 2.
Schmitz, Helmuth W. (See Murphy, J. E., Schmitz, and Peabody.)
Schnellpressenfabrik Aktiengesellschaft Heidelberg. (See Büttner, Arthur, assignor.)
Scholz, Erich. (See Eisenmann, K., Schloz, and Wolf.)
Schriever, Otto, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Superheterodyne circuit arrangement. 2,042,636; June 2.
Schulte, Walter B., Madison, assignor to Burgess Battery Company, Freeport, Ill. Battery. 2,042,806; June 2.
Schurr, Charles H., assignor to The Lees-Bradner Company, Cleveland, Ohio. Hobbing machine feeding mechanism. 2,043,012; June 2.
Schwamberger, Emil. (See Scheyer, H., and Schwamberger.)
Schwartz, Edward, San Francisco, Calif. Talking device. 2,042,736; June 2.
Scofield, Theodore J., Jackson, Mich., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Condenser. 2,042,556; June 2.
Scott, Norman D. (See Bond, H. A., and Scott.)
Scovill Manufacturing Company. (See Simons, Ernest D., assignor.)
Scurlock, Lewis H., Chicago, Ill. Food container unit. 2,042,637; June 2.
Seabury, Ralph L. (See Murray, L. W., and Seabury.)
Seal-O-Strain Corporation. (See Arvintz, Abraham A., assignor.)
Secretary of Commerce. (See Conn, Wallace T., assignor.)
Sedgwick Machine Works, Incorporated. (See Henricksen, Bjarne, assignor.)
Seebeck, Howard D., Chicago, Ill., assignor to Armbrust Chain Company, Providence, R. I. Scarf holder. 2,042,807; June 2.
Seebeck, Howard D., Chicago, Ill., asignor to Armbrust Chain Company, Providence, R. I. Safety chain. 2,042,808; June 2.
Seikel, Willi. (See Höfler, G., and Seikel.)
Seitz, August W. (See Flaws, J., Jr., and Seitz.)
Servel, Inc. (See Collins, William D., assignor.)
Servel Inc. (See Ploeger, Clyde E., assignor.)
Severin, Jose. (See Roeckner, M., and Severin.)
Seymour & Peck Co. (See Arnold, Charles B., assignor.)
Shafor, Ralph W. (See Miller, A. L., Shafor, and Darby.)
Shakespeare Company. (See Shakespeare, Monroe, assignor.)
Shakespeare, Monroe, assignor to Shakespeare Company, Kalamazoo, Mich. Fishing reel. 2,042,737; June 2.
Sharples Solvents Corporation, The. (See Olin, John F., assignor.)
Sharpnack, George, Lincoln, Nebr. Combined microphone stand and amplifier. 2,042,738; June 2.
Shellwood-Johnson Company, The. (See Schellens, Eugene L., assignor.)
Shelor, Frederick L., assignor to Innovation Brakes, Inc., Richmond, Va. Fluid pressure controlled braking mechanism. 2,042,809; June 2.
Shoemaker, Fred G., Ferndale, assignor to General Motors Corporation, Detroit, Mich. Piston. 2,043,013; June 2.
Shoemaker, Fred G., assignor to General Motors Corporation, Detroit, Mich. Retaining means for piston pin roller bearings. 2,043,014; June 2.
Shutts, Leroy W., assignor to General Motors Corporation, Detroit, Mich. Antishimmy and road shock absorption. 2,043,015; June 2.
Siefert, Fritz. (See Ulrich, H., Saurwein, and Siefert.)
Siegenthaler, Walter, assignor to Scharer-Nussbaumer & Co., Erlenbach, Switzerland. Holder for tubular supports for coils of strand materials. 2,042,968; June 2.
Siemann, John C., Kenmore, N. Y., assignor to Du Pont Cellophane Company, Inc., New York, N. Y. Coated materials and producing same. 2,042,638; June 2.
Signal Engineering & Manufacturing Company. (See Rohland, Curt J., assignor.)
Silverman, Leo, Elkins Park, assignor to Leo Silverman and H. B. Loeb, Philadelphia, Pa., partnership trading as Silverman-Loeb Yarn Company. Compound elastic thread. 2,042,910; June 2.
Silverman-Loeb Yarn Company. (See Silverman, Leo, assignor.)
Simon, Reuben, Detroit, Mich. Lock. 2,042,867; June 2.
Simons, Ernest D., assignor to Scovill Manufacturing Company, Waterbury, Conn. Fastener-attaching device. 2,042,866; June 2.
Simpson, William K., assignor to Hoffman Specialty Company, Waterbury, Conn. Boiler return trap. 2,043,073; June 2.
Simpson, William K., assignor to Hoffman Specialty Company, Waterbury, Conn. Steam trap. 2,043,074; June 2.
Singer Manufacturing Company, The. (See Bright, Frank G., assignor.)
Singer Manufacturing Company, The. (See Clayton, Andrew B., assignor.)
Slater, N., Company. (See Ridgers, Frederick G., assignor.)
Slick, Daniel, Superior, Wis. Demountable wheel. 2,043,128; June 2.
Sloan, Francis P., Scarsdale, N. Y. Concrete wall structure and production. 2,042,487; June 2.
Smith, Cecil H., Elmira, assignor to American-La France and Foamite Corporation, New York, N. Y. Powder bin discharge structure. 2,042,739; June 2.
Smith, Daniel T., Wylam, Ala., assignor to The Barrett Company, New York, N. Y. Coking pitch. 2,042,639; June 2.
Smith, John E.'s, Sons Company. (See Van Hooydonk, Adrian C., assignor.)
Smith, John F., Quincy, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y. Upper roughing tool. 2,042,868; June 2.
Smith, Percy C., East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Code calling system. 2,042,869; June 2.
Smith, Richard D., Andover, Va., assignor of one-half to Joseph L. Ortner, Cincinnati, Ohio. Combined brake beam and bottom rod support for cars. 2,042,740; June 2.
Smith, Russell H., assignor of one-half to Alfred A. Lindsey, Quanah, Tex. Water block or dam forming device. 2,043,075; June 2.
Smith, Russell H., assignor of one-half to A. A. Lindsey, Quanah, Tex. Furrow damming machine. 2,043,076; June 2.
Smith, Russell T., and F. L. Tarleton, assignors to Gibson Electric Refrigerator Corporation, Greenville, Mich. Unitary motor-pump assembly. 2,043,215; June 2.
Smith, Theodore L., Concord, and N. Testi, assignors to Gillette Safety Razor Company, Boston, Mass. Safety razor. 2,043,124; June 2.
Smith, William. (See Thomson, R. F., Smith, and Primrose.)
Snyder, James O., Indianapolis, Ind. Controlling compression in engines. 2,042,969; June 2.
Société des Moteurs Salmson. (See Heinrich, Jean, assignor.)
Society of Chemical Industry in Basle. (See Sutter, Theodor, assignor.)
Society of Chemical Industry in Basle. (See Straub, F., and Mayer, assignors.)
Society of Chemical Industry in Basle. (See Gränacher, Charles, assignor.)
Society of Chemical Industry in Basle. (See Theiler, Casimir, assignor.)
Sorensen, Alfred K., assignor to Crane Co., Chicago, Ill. Full area safety valve. 2,043,203; June 2.
Spalding, Clarence G., Milford, assignor of one-half to G. R. Gould, New Haven, Conn. Laxative composition. 2,043,204; June 2.
Sparks, William J., Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Refining hydrocarbons. 2,042,557; June 2.
Spreckels Sugar Company. (See Meredith, S. C., Alston, Winslow, and White, assignors.)
Springfield Wire & Tinsel Co. (See Bradford, Edward S., Jr., assignor.)
Stafford, William L., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Thermal insulating structure. 2,042,870; June 2.
Stahl, Frank E., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y. Clamping device. 2,043,125; June 2.
Stank, John. (See Gibson, H. C., Woodberry, and Stank.)
Stankovits, Szilard, et al. (See Stengel, Charles, assignor.)
Stannard, Bruce M., Binghamton, N. Y. Tail board for vehicles. 2,042,911; June 2.
Steel Heddle Manufacturing Company. (See Ragan, Ralph, assignor.)
Steenstrup, Carl H., Niskayuna, N. Y., assignor to General Electric Company. Evaporator. 2,042,558; June 2.
Stelkens, Willy, Cologne, Germany, assignor to United Shoe Machinery Corporation, Paterson, N. J. Conditioning device. 2,042,559; June 2.
Stengel, Charles, assignor to I. Wittinger, and S. Stankovits, Budapest, Hungary. Burglarproof coffer. 2,043,126; June 2.
Stephens, Elton S., assignor to Consistometer Corporation, Chicago, Ill. Testing device for liquids. 2,043,127; June 2.
Stephens, Henry C., Ontario, and S. B. Hoar, Claremont, Calif., assignors, by mesne assignments, to Natural Food Products Company. Pasteurizing and cooling. 2,042,685; June 2.
Stephens, Henry C., Balboa, and S. B. Hoar, Orange, Calif., assignors, by mesne assignments, to Natural Food Products Company. Pasteurizing and cooling. 2,042,686; June 2.

Stewart, Andrew H., Shields, Pa. Furnace wall. 2,042,560; June 2.

Stewart, Charles E., Verdun, assignor to June Corporation Limited, Montreal, Quebec, Canada. Axle drive mechanism. 2,043,077; June 2.

Stewart-Warner Corporation. (See Thomas, G. F., and Bystricky, assignors.)

Stokely, Ray L., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,042,561; June 2.

Stokely, Ray L., Floral Park, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Telephone system. 2,042,562; June 2.

Stokes, F. J., Machine Company. (See Westin, C. J., and Beck, assignors.)

Stokes, F. J., Machine Company. (See Westin, C. J., and Donaghy, assignors.)

Stratford, William M., Port Arthur, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y. Treating hydrocarbon oils. 2,043,016; June 2.

Straub, Fritz, and Hans Meyer, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. Complex metal compounds of disazo-dyestuffs. 2,042,810; June 2.

Stringer, Eugene A. (See Hatch, E. J., and Stringer.)

Strzyzewski, Anton. (See Rumscheidt, C., Jeltsch, Strzyzewski, and Hegge.)

Stubbs, Everard, Springfield, Vt. Freehand grinding machine. 2,043,017; June 2.

Stuebing, William, Jr., Cincinnati, Ohio. Machine for making binding strips. 2,042,912; June 2.

Stultz, James D., assignor to Ida I. Garr, and himself, Shively, Ky. Braking device. 2,042,563; June 2.

Sullivan, George H., et al. (See Knapp, George S., assignor.)

Sun Tube Corporation, The. (See Fridén, John H., assignor.)

Sutter, Theodor, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Synthetic resins and making same. 2,042,741; June 2.

Sutton, Cyril D., assignor of one-sixth to C. A. Miller, one-sixth to I. H. Culp, one-sixth to H. E. Cormier, one-sixteenth to Edward Pringle, Buffalo, N. Y. Scaffold for structural workers. 2,043,128; June 2.

Sutton, Harry G., Syracuse, assignor to United States Hoffman Machinery Corporation, New York, N. Y. Attachment for garment pressing machines. 2,042,640; June 2.

Svenska Aktiebolaget Bromsregulator. (See Browall, Bert H., assignor.)

Swallow, Francis P., assignor to United States Envelope Company, Worcester, Mass. Method and apparatus for the manufacture of drinking cups. 2,043,018; June 2.

Swasey, John M., Boston, Mass. Umbrella mirror. 2,043,019; June 2.

Sweetland, Ernest J., Piedmont, Calif. Filter and operating same. 2,042,564; June 2.

Symington Company, The. (See Barrows, Donald S., assignor.)

Talbot, Howard H., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Roll chuck assembly for rolling mills of the backed-up working roll type. 2,042,871; June 2.

Talbot, Howard H., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Backing roll chuck latch. 2,042,872; June 2.

Taplin, Howard A., Kansas City, Mo. Needle bearing spring end mounting means. 2,042,811; June 2.

Tarleton, Frederic L. (See Smith, R. T., and Tarleton.)

Taylor, Joseph H., Huddersfield, England. Electrical heating system for buildings. 2,042,742; June 2.

Taylor, William Ivan, Spondon, near Derby, England, assignor to Celanese Corporation of America. Production of artificial filaments. 2,042,743; June 2.

Tear, Harry R., and H. C. Roth, assignors to The Lubrication Corporation, South Bend, Ind. Lubricating device. 2,042,744; June 2.

Teed, Oren F., Los Angeles, Calif. Carburetor. 2,042,913; June 2.

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Cohn, Henny, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hermanspann, Paul, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Kotowski, Paul, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Osnos, Mendel, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Prins, D., and Roosenstein, assignors.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Schriever, Otto, assignor.)

Teletype Corporation. (See Krum, Howard L., assignor.)

Tessky, Karl, Esslingen-on-the-Neckar, Germany. Automatic lathe. 2,042,687; June 2.

Testi, Nicholas. (See Smith, T. L., and Testi.)

Texas Company, The. (See de Flores, Luis, assignor.)

Texas Company, The. (See Stratford, William M., assignor.)

Textile Machine Works. (See Schmidt, Paul, assignor.)

Theiler, Casimir, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Evaporating liquids. 2,042,488; June 2.

Thermoid Rubber Company. (See Hall, William H., Jr., assignor.)

Thieme, Anna D., assignor to the firm H. Bahlsen's Keksfabrik A. G., Hannover, Germany. Device for ripping open paper envelopes. 2,043,129; June 2.

Thiemer, Erwin, Hennigsdorf, Germany, assignor to General Electric Company. Pipe welding apparatus. 2,043,020; June 2.

Thomas, George F., Riverside, and J. Bystricky, assignors, by mesne assignments, to Stewart-Warner Corporation, Chicago, Ill. Lubricating apparatus. 2,042,970; June 2.

Thomas, James L., Garrett Park, Md., assignor to Government of the United States, represented by the Secretary of Commerce. Method of making electrical resistance elements and alloys therefor. 2,042,971; June 2.

Thomas, James L., Garrett Park, Md., assignor to Government of the United States as represented by the Secretary of Commerce. Electrical resistance elements and alloy therefor. 2,042,972; June 2.

Thompson, Frank E., assignor to The Yale & Towne Mfg. Co., Stamford, Conn. Lock. 2,043,205; June 2.

Thompson, Walter N., La Habra, Calif. Tubing head. 2,042,745; June 2.

Thomson, Robert F., W. Smith, and J. Primrose, Grangemouth, Scotland, assignors to Imperial Chemical Industries Limited. Dichloro-anthraquinone-acridones and preparing the same. 2,043,078; June 2.

Tietze, Ernst. (See Hilger, J., Ossenbeck, and Tietze.)

Tillyer, Edgar D., Southbridge, assignor to American Optical Company, Southbridge, Mass. Aligning and holding lens elements. 2,042,565; June 2.

Timian, Harold H., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 2,043,079; June 2.

Timken-Detroit Axle Company, The. (See Morgan, Mathew B., assignor.)

Tolman, Charles P., Kew Gardens, and J. T. Coghill, assignors, by mesne assignments, to The Noble & Wood Machine Co., Hoosick Falls, N. Y. Stuff treatment machine and junk remover. 2,042,566; June 2.

Tracy, Robert W., assignor to The De Vilbiss Company, Toledo, Ohio. Spray head. 2,042,746; June 2.

Traugott, Carl, Oldenburg, assignor to Norddeutsche Seekabelwerke Aktiengesellschaft, Nordenham, Germany. Manufacturing stranded conductors. 2,043,130; June 2.

Trefileries & Laminoirs du Havre. (See Capdeville, Pierre T., assignor.)

Trico Products Corporation. (See Horton, Erwin C., assignor.)

Trico Products Corporation. (See Horton, E. C., and Hueber, assignors.)

Trieschmann, Carl H., Milwaukee, Wis. Shirt cuff guard. 2,042,567; June 2.

Trumpbour James T., Bronx, N. Y. Diaphragm for railway coaches. 2,042,914; June 2.

Truscon Steel Company. (See Foukal, Anthony, assignor.)

Tuck, George A., San Francisco, Calif. Pilot burner apparatus. 2,042,688; June 2.

Tuffnell, William L. (See Bennett, A. F., and Tuffnell.)

Tull, Robert H., and B. J. Homkes, Springfield, Mass., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigeration apparatus. 2,042,812; June 2.

Turbush, George, Compton, Calif. Sign holder for cans, etc. 2,042,813; June 2.

Turck, Joseph A. V., Wilmette, assignor to Felt & Tarrant Mfg. Co., Chicago, Ill. Keyboard for calculating machines and the like. 2,043,021; June 2.

Turner, Claude A. P., Minneapolis, Minn. Make-up of bridge members. 2,042,973; June 2.

Turner Tanning Machinery Company, The. (See Ballard, Harrie A., assignor.)

Tuska, Clarence D., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Refrigeration system. 2,042,568; June 2.

Twist, Frederic C., near Weldon, Ill. Circuit closing device. 2,042,915; June 2.

Twite, Charles W., New York, N. Y. Hat holder. 2,043,022; June 2.

Ulrich, Heinrich, and K. Saurwein, Ludwigshafen-on-the-Rhine, and F. Siefert, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Sulphonated oxygenated compounds obtained by catalytic hydrogenation of oxides of carbon. 2,042,747; June 2.

Una Welding, Inc. (See Howland, Owen L., assignor.)

Underhill, Eliot. (See Allen, W. H., Underhill, and Ritchie.)

Underwood, William F. (See Charch, W. H., and Underwood.)

Union Carbide and Carbon Corporation. (See Cox, Henry L., assignor.)

Union Carbide and Carbon Corporation. (See Kinzel, Augustus B., assignor.)

Union Carbide and Carbon Corporation. (See Perkins, Granville A., assignor.)

Union Oil Company of California. (See Aldridge, B. G., and Hopper, assignors.)

Union Oil Company of California. (See Fisher, H. F., and Aldridge, assignors.)

Union Steel Chest Corporation. (See Yawman, Harvey H., assignor.)

Union Switch & Signal Company, The. (See McCann, Ronald A., assignor.)

Union Switch & Signal Company, The. (See Willard, Paul F., assignor.)

United Chromium, Incorporated. (See Lukens, Hiram S., assignor.)

United Engineering & Foundry Company. (See Talbot, Howard H., assignor.)

United Gas Improvement Company, The. (See Ward, A. L., Jordan, and Milbourne, assignors.)

United Shoe Machinery Corporation. (See Cuozzo, Michele, assignor.)

United Shoe Machinery Corporation. (See Engel, Karl, assignor.)

United Shoe Machinery Corporation. (See McIntire, James E., assignor.)

United Shoe Machinery Corporation. (See Newhall, Carl A., assignor.)

United Shoe Machinery Corporation. (See Richardson, John H., assignor.)

United Shoe Machinery Corporation. (See Stelkens, Willy, assignor.)

U. S. Bottlers Machinery Co. (See Risser, Arthur I., assignor.)

United States Envelope Company. (See Swallow, Francis P., assignor.)

United States Fire Protection Corporation. (See Willenborg, Walter J., assignor.)

United States Hoffman Machinery Corporation. (See Sutton, Harry G., assignor.)

United States Radio & Television Corporation. (See Foster, Dudley E., assignor.)

United States Rubber Company. (See Lewis, Harry F., assignor.)

United States Rubber Products, Inc. (See Brooks, Arthur E., assignor.)

United States Rubber Products, Inc. (See Pickett, Francis N., assignor.)

Universal Oil Company of California. (See Fisher, Harmon F., assignor.)

Unyte Corporation. (See Eisenmann, K., Scholz, and Wolf, assignors.)

Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Modulating means. 2,042,748; June 2.

Vadner, Charles S., Winnemucca, Nev. Production of manganese dioxide. 2,042,814; June 2.

Van Eweyk, George W., Milwaukee, Wis. Water softener. 2,042,749; June 2.

Van Halteren, Andrew S., Akron, Ohio, assignor to Motor Wheel Corporation, Lansing, Mich. Brake drum construction. 2,042,750; June 2.

Van Hooydonk, Adrian C., assignor to John E. Smith's Sons Company, Buffalo, N. Y. Food chopping machine. 2,043,216; June 2.

Van Riel, Pieter, assignor to Naamlooze Vennootschap Machinefabriek Reineveld, Delft, Netherlands. Horizontal centrifuge. 2,043,131; June 2.

Vapor Treating Processes Inc. (See Lachman, Arthur, assignor.)

Varilux Holding Corporation. (See Linderman, Garrett B., Jr., assignor.)

Vereinigte Stahlwerke Aktiengesellschaft. (See Schell, Erich, assignor.)

Vereinigte Stahlwerke Aktiengesellschaft. (See Winkler, Moritz, assignor.)

Victoria, Frank F., Upland, Calif. Pulp and liquid pump. 2,042,641; June 2.

Vincent, Edward T., assignor to Continental Motors Corporation, Detroit, Mich. Engine. 2,043,080; June 2.

Viozzi, Joseph, assignor to Vitz Skate Hone Company, Hamilton, Ontario, Canada. Blade sharpening device for ice skates. 2,042,916; June 2.

Visking Corporation, The. (See Hewitt, Alfred G., assignor.)

Vitz Skate Hone Company. (See Viotzi, Joseph, assignor.)

Vogt, Charles H., assignor to Modern Food Process Company, Philadelphia, Pa. Sausage making process. 2,043,132; June 2.

Vogt Processes, Inc. (See Herron, Albert E., assignor.)

Von Brandt, Henry, New York, N. Y. High concentration agar agar gel and combinations thereof. 2,042,917; June 2.

Von Mattekovich, Rudolf, Rosalie, near Brisbane, Queensland, Australia. Furnace. 2,042 642; June 2.

Von Mattekovich, Rudolf, Rosalie, near Brisbane, Queensland, Australia. Furnace. 2,042,643; June 2.

Von un zu Guttenberg, Friedrich H. (See Henrich, W., and von und zu Guttenberg.)

Wabash Screen Door Company, The. (See Klaiber, Edward C., assignor.)

Wahl Ottmar, Leverkusen-I. G.-Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Methine dyestuffs derived from p-amino-benzaldehyde compounds. 2,043,081; June 2.

Wakefield, C. C., & Company. (See Pruvot, Henri-E.-N., assignor.)

Walco Bead Co. (See Wallach, Samuel, assignor.)

Waldorf Paper Products Company. (See Buchanan, F. L., and Guyer, assignors.)

Wallace, Edward B., Avoca, Pa. Motor vehicle identifying means. 2,042,689; June 2.

Wallace, John F., assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio. Piston packing. 2,042,569; June 2.

Wallach, Samuel, assignor to Walco Bead Co., New York, N. Y. Bead loom. 2,043,082; June 2.

Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Sausage casing. 2,042,644; June 2.

Walter, Claude E., Viola, Wis. Cloth display measuring and cutting device. 2,043,133; June 2.

Walten, Max, Washington, D. C. Device for spreading pitch. 2,043,188; June 2.

Wanamaker, Ernest, Chicago, Ill. Rail-highway vehicle. 2,043,134; June 2.

Wappler, Frederick C., New York, N. Y. Therapeutic electrode and plug therefor. 2,043,083; June 2.

Ward, Alger L., Upper Darby, C. W. Jordan, Paoli, and C. G. Milbourne, Lansdowne, Pa., assignorn to The United Gas Improvement Company, Philadelphia, Pa. Production of elemental sulphur from hydrogen sulphide and sulphur dioxide. 2,043,084; June 2.

Watkins, George B. (See Ryan, J. D., and Watkins.)

Web, Lucile E., Lakeland, Fla. Aircraft game. 2,042,645; June 2.

Weber, Paul, Berlin-Treptow, Germany. Heating apparatus employing catalytic combustion. 2,042,690; June 2.

Weible, Eddie J., Hillsboro, N. Dak. Variable pitch windmill. 2,043,136; June 2.

Weinand, Klaus. (See Zahn, K. Koch, and Weinand.)

Weisafog, Johannes, Ludwigshaften-on-the-Rhine, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Keeping cut flowers fresh. 2,042,974; June 2.

Wemp, Ernest E., Detroit, Mich. Vibration dampener. 2,042,570; June 2.

Wesselman, Albert, Cincinnati, Ohio. Sealing paper cartons. 2,043,135; June 2.

West, George E., Washington, D. C. Method of and machine for making containers. 2,042,975; June 2.

Westendorp, Willem F., Schenectady, N. Y., assignor to General Electric Company. Circuits and apparatus for operating electric discharge lamps. 2,043,023; June 2.

Western Electric Company. (See Magill, Wilbur S., assignor.)

Westin, Charles J., and C. J. Beck, assignors to F. J. Stokes Machine Company, Philadelphia, Pa. Tablet machine. 2,043,085; June 2.

Westin, Charles J., and A. Donaghy, Sr., assignors to F. J. Stokes Machine Company, Philadelphia, Pa. Tablet compressing machine. 2,043,086; June 2.

Westinghouse Electric & Manufacturing Company. (See Tull, R. H., and Homkes, assignors.)

Westinghouse Lamp Company. (See Dinnick, George M., assignor.)

Westinghouse Lamp Company. (See Gustin, Daniel S., assignor.)

Westinghouse Lamp Company. (See Makenny, William, assignor.)

Westinghouse Lamp Company. (See Marden, John W., assignor.)

Westinghouse Lamp Company. (See Rentschler, H. C., and Marden, assignors.)

Wheeler, Harold A., Great Neck, N. Y., assignor to Hazeltine Corporation. Signal translating and modulating system. 2,042,571; June 2.

White, Clarence. (See Meredith, S. C., Alston, Winslow, and White.)

White, Clarence B., Montclair, N. J., assignor to Wm. E. Hooper & Sons Company, Baltimore, Md. Treating cotton fabric and product. 2,043,137; June 2.

White, Henry, assignor, by mesne assignments, to Lester Hofheimer, New York, N. Y. Display apparatus and optical system. 2,042,815; June 2.

Whitehall Patents Corporation. (See Marinsky, Davis, assignor.)

Whitehead, William, Cumberland, Md., assignor to Celnese Corporation of America. Making colored textile yarns and fabrics. 2,042,751; June 2.

Whitehead, William, Cumberland, Md., assignor to Celnese Corporation of America. Textile yarns and fabrics and making same. 2,042,752; June 2.

Whitman, Ray B., New York, N. Y. Label forming and attaching method and means. 2,042,816; June 2.

Whittier, Horace R., Pequabuck, assignor to The Cooper Owen Thermometer Company, Plymouth, Conn. Thermometer. 2,043,087; June 2.

Wico Electric Company. (See Harmon, K. A., and Crocker, assignors.)

Wilcox, John A., Huntington Beach, Calif. Liner washer. 2,042,817; June 2.

Willard, Paul F., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,042,873; June 2.

Willard Storage Battery Company. (See Dunzweiler, C. J., and Zachlin, assignors.)

Willcox, John T. A., Le Haguais, Samares, G. Pooley, Avonwich, St. Clements, and H. M. Bonnaud, La Mare, Samares, Jersey, Channel Islands. Nonrefillable bottle. 2,043,138; June 2.

Wille, Karl, and E. Fritsch, assignors to Rosing-Muhlen Aktiengesellschaft, Duisburg, Germany. Making baked goods for diabetics. 2,043,139; June 2.

Willenborg, Walter J., Weehawken, assignor to United States Fire Protection Corporation, Hoboken, N. J. Analyzing gases by differential thermal conductivity measurements. 2,042,646; June 2.

Williams, Edwin A., Springfield, Pa., assignor to General Electric Company. Fuse. 2,043,024; June 2.

Williams, Owen J., Orchard Park, N. Y. Caster raising and lowering mechanism. 2,042,489; June 2.
Williams, Walter W., Bloomington, Ill. Stuffing box. 2,042,691; June 2.
Wilmesherr, John A., Cuba, Mo. Expanding and contracting device. 2,043,140; June 2.
Wilmesherr, John A., Cuba, Mo. Expanding device. 2,043,141; June 2.
Wilson, Richard C., Miami, Fla. Apparatus for launching lifeboats. 2,042,753; June 2.
Wine, William E., Toledo, Ohio. Spring device. 2,042,647; June 2.
Winkeler, Hermann. (See Koch, W., and Winkeler.)
Winkler, Moritz, Bochum, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Pressing vehicle wheel. 2,042,754; June 2.
Winslow, Edward T. (See Meredith, S. C., Alston, Winslow, and White.)
Winter, Ernest A. (See McKee, R. H., and Winter.)
Winthrop Chemical Company. (See Weissflog, Johannes, assignor.)
Wise, Frederick C., and W. Greenwood, London, England. Pyrophoric igniter. 2,042,572; June 2.
Wittinger, Istvan, et al. (See Stengel, Charles, assignor.)
Witzel, Earl R., and R. L. Humbert, Kobler, Wis. Remote control for internal combustion engines. 2,042,755; June 2.
Wolf, Karl. (See Eisenmann, K., Scholz, and Wolf.)
Wood, Albert B., and H. W. Barnett, New Orleans, La. Power transmitting device. 2,042,573; June 2.
Wood, Albert B., and H. W. Barnett, New Orleans, La. Valve operating apparatus. 2,042,574; June 2.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Matrix scorcher. 2,042,918; June 2.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web roll controlling device. 2,042,919; June 2.
Wood, Morris B., assignor to The Chase-Shawmut Company, Newburyport, Mass. Fuse and fuse puller. 2,042,756; June 2.
Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
Woodall Industries Incorporated. (See Chadwick, Francis L., assignor.)
Woodard, George H., Phillipsburg, N. J., and J. Kirgan, Easton, Pa., assignors to Ingersoll-Rand Company, Jersey City, N. J. Water-vapor refrigerating apparatus. 2,042,920; June 2.
Woodberry, David L. (See Gibson, H. C., Woodberry, and Stank.)
Wooles, Ronald L., assignor to A. H. Heisey & Company, Newark, Ohio. Making etched glassware. 2,043,025; June 2.
Worth, Thomas F., Lynn, Mass., assignor to General Electric Company. Lubricating system. 2,042,575; June 2.
Wurzburg, Donald B., Grand Rapids, Mich. Rug anchoring device. 2,042,692; June 2.
Yaglou, Constantin P., Boston, Mass., assignor, by mesne assignments, to Carrier Engineering Corporation, Newark, N. J. Controlling the ionic content of air. 2,043,217; June 2.
Yale & Towne Mfg. Co. (See Thompson, Frank E., assignor.)
Yale & Towne Manufacturing Company, The. (See Heverly, Earl L., assignor.)
"Yard-Man" Inc. (See Funk, Truman B., assignor.)
Yawman, Harvey H., assignor to Union Steel Chest Corporation, Le Roy, N. Y. Chest, box, or container. 2,042,693; June 2.
Young, Fred W. (See Ahlmark, R. B., and Young.)
Youngstown Steel Door Company. (See Reese, Samuel, assignor.)
Zachlin, Anthony C. (See Dunzweiler, C. J., and Zachlin.)
Zahl, Harold A., Long Branch, N. J. Altimeter for aircraft. 2,042,490; June 2.
Zahn, Karl, and Heinrich Koch, Frankfort-on-the-Main, and K. Weinand, Leverkusen-I. G. Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing acid wool dyestuffs of the anthraquinone series and the dyestuffs thus obtainable. 2,042,757; June 2.
Zellhoefer, Glenn F., Bloomington, Ill. Cooling unit. 2,042,694; June 2.
Ziegler, William M., Detroit, Mich. Floating tool holder. 2,042,648; June 2.
Zimmerman, Beulah B. (See Zimmerman, Harry, assignor.)
Zimmerman, Harry, assignor to B. B. Zimmerman, Toronto, Ontario, Canada. Buffing wheel. 2,043,189; June 2.
Zinkil, Roy H., Oak Park, and E. W. Marchand, Maywood, assignors to Crane Co., Chicago, Ill. Lavatory waste. 2,043,088; June 2.
Zofzik, Franz, assignor to Josef Florenz Waagen und Gewichtefabriks, A. G., Fischamend, near Vienna, Austria. Device for transmitting motion. 2,042,695; June 2.
Zuhlin, John A., Los Angeles, Calif. Improving the wear resistant qualities of a body. 2,043,142; June 2.
Zurcher, Ernest, Schnectady, N. Y., assignor to General Electric Company. Locking attachment plug. 2,042,491; June 2.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 2D DAY OF JUNE, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

By-pass for hydraulic mechanisms, Automatic. R. Erling. 19,992; June 2.
Car, Rail flaw detector. L. J. De Lanty. 19,991; June 2.
Cutter and clamp for knitting machines and operating same, Yarn. A. E. Page. 19,995; June 2.
Device for distribution of accounts. F. A. Niemann and K. F. Ziehm. 19,994; June 2.
Freeness indicator and recorder. G. S. Witham. 19,997; June 2.
Lock for spare wheels and tires. H. S. Jandus and F. A. Smith. 19,993; June 2.
Splicing device, Automatic. H. A. W. Wood. 19,996; June 2.

LIST OF PLANT INVENTIONS

Rose. R. E. Wilber. 178; June 2.

LIST OF DESIGN INVENTIONS

Ash receiver. I. H. Chandler. 99,854; June 2.
Ash receiver. H. H. Lampert. 99,870; June 2.
Ash receivers, Combined face panel and bezel for. J. Visser. 99,917; June 2.
Ashtray. L. Swanson. 99,904; June 2.
Bicycle frame. G. S. Lewis. 99,873; June 2.
Bicycle frame. E. E. Pease. 99,890; June 2.
Bicycle head and truss rod unit. E. E. Pease. 99,889; June 2.
Book cover. F. A. Hougland. 99,868; June 2.
Bottle. F. McLaughlin. 99,880; June 2.
Bottle. M. N. Stanley. 99,902; June 2.
Bottle or similar article. F. Smith. 99,916; June 2.
Brassière. C. M. Sachs. 99,895; June 2.
Bulb or similar article, Decorative electric light. A. Abramson. 99,841–5; June 2.
Cabinet for diathermy apparatus. R. J. Lindquist. 99,874; June 2.
Camera. W. D. Teague and C. W. Crumrine. 99,906; June 2.
Candle and support therefor, Combined electric. L. Pollock. 99,892; June 2.
Casing for a combined coupling unit transformer and radio antenna lead-in support. S. M. Wertheimer. 99,911; June 2.
Caster. W. F. Herold. 99,912; June 2.
Chains, Connecting link for. F. P. Miller. 99,881; June 2.
Chair arm. W. L. Gittings. 99,862; June 2.
Closure for a bottle or the like. M. M. Kistner. 99,913; June 2.
Collar, Lady's. N. Applebaum and S. Shron. 99,849; June 2.
Coin, Lucky campaign. E. A. Halsey. 99,918; June 2.
Condenser, Electrical. H. Beyer. 99,850; June 2.
Container, Storage battery. J. G. Monnin. 99,886–7; June 2.
Costumer. N. D. Hayes. 99,863; June 2.
Crucifix. M. D. Waterman. 99,909; June 2.
Drawer pull or similar article. O. E. Uhlmann. 99,907; June 2.
Dress. M. Mullen. 99,914–5; June 2.
Eyecup. C. G. Hilgenberg. 99,865; June 2.
Folder, Combined hosiery display and packing. J. W. Sweeney. 99,905; June 2.
Goblet or like article. D. C. Sloan. 99,898; June 2.
Goblet or similar article. D. C. Sloan. 99,900; June 2.
Heater, Water. G. Hegwein. 99,864; June 2.
Jack. W. B. Runyan. 99,894; June 2.
Knife. G. N. Coughlan. 99,855; June 2.
Lace. S. N. M. Biddle. 99,851; June 2.
Lace. F. P. Gehring. 99,861; June 2.
Lamp base or similar article. H. M. Laxer. 99,871; June 2.
Lampshade. H. M. Laxer. 99,872; June 2.
Leaves, Strip of artificial. W. Hoffmeister. 99,867; June 2.
Machine casing and wringer, Combined washing. J. R. Morgan. 99,888; June 2.
Material, Shoe upper. C. H. Daniels. 99,856; June 2.
Meter, Parking. H. L. Long and H. S. Johns. 99,877; June 2.
Mit, Wash. A. Abraham. 99,840; June 2.
Ornament, Automobile hood ridge. P. Marienthal. 99,878; June 2.
Pail or the like, Paper. W. A. Rike. 99,893; June 2.
Plate or similar article. D. C. Sloan. 99,899; June 2.
Reflector or similar article, Decorative electric light. A. Abramson. 99,846–7; June 2.
Seat, Booth. W. Hoffmann. 99,866; June 2.
Shoe. H. Snayberger. 99,901; June 2.
Shoe. C. Stix. 99,903; June 2.
Shoe. P. Weinstein. 99,910; June 2.
Shoe or similar article. C. Miller. 99,882–3; June 2.
Shoe or similar article. G. Miller. 99,884–5; June 2.
Shoe or similar article. L. Sholtz. 99,896–7; June 2.
Spark plug. P. D. Jackson. 99,869; June 2.
Spat. P. J. McClure. 99,879; June 2.
Textile fabric. C. E. Forstmann. 99,858–60; June 2.
Toy. J. A. Bitterli. 99,852; June 2.
Tray. H. A. Fisher. 99,857; June 2.
Tray, Combined packaging, cutting and serving. T. J. Pilliod. 99,891; June 2.
Tray, High chair. J. J. Brazell. 99,853; June 2.
Vacuum cleaner casing. G. E. Lofgren. 99,875–6; June 2.
Velocipede. B. J. Anderson. 99,848; June 2.
Wall pocket front panel or the like. J. Visser. 99,908; June 2.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 2D DAY OF JUNE, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Absorbent articles, Apparatus for saturating. S. P. Miller. 2,042,676; June 2.
Acid, Manufacture of sulphuric. H. F. Merriam. 2,042,675; June 2.
Acids, Isothiocyanate sulphonic. J. Hilger, A. Ossenbeck, and E. Tietze. 2,042,600; June 2.
Acids, Separating fatty. A. W. Ralston, W. O. Pool, and J. Harwood. 2,042,729; June 2.
Adhesive and preparing same, Laminated safety glass. J. D. Ryan and G. B. Watkins. 2,042,485; June 2.
Adjustable bracket. W. A. Ferguson. 2,042,886; June 2.
Adjusting means for sleeve bearings. E. A. Hall. 2,042,783; June 2.
Advertising device. J. Eisner and S. G. Hoffman. 2,043,209; June 2.
Aerial and apparatus for use therewith, Directional. H. A. Ewen. 2,042,931; June 2.
Agar agar gel and combinations thereof, High concentration. H. von Brandt. 2,042,917; June 2.
Agitator for washing machines. T. W. Behan. 2,042,578; June 2.
Air compressor. P. Maniscalco. 2,042,673; June 2.
Air, Controlling the ionic content of. C. P. Yaglou. 2,043,217; June 2.
Air cooled engine. J. Heiurich. 2,043,170; June 2.
Aircraft game. L. E. Webb. 2,042,645; June 2.
Alarm system, Supervised electric. H. C. Grant, Jr. 2,043,210; June 2.
Altimeter for aircraft. H. A. Zahl. 2,042,490; June 2.
Amines, Alkylol. J. F. Olin. 2,042,621; June 2.
Ammonium sulphate, Production of coarsely crystalline. C. Rumscheidt, A. Jeltsch, A. Strzyzewski, and H. Hegge. 2,043,066–8; June 2.
Amplifier, Audio frequency. W. van B. Roberts. 2,042,966; June 2.
Amplifier, Direct current. P. H. Macneil. 2,043,107; June 2.
Amplifying system, Photoelectric. A. Karolus. 2,042,602; June 2.
Animal trap. J. E. Neville. 2,042,728; June 2.
Anode for electrolytic condensers. J. D. Edwards. 2,043,038; June 2.
Arm, Quick firing. W. Baumann. 2,042,449; June 2.
Assembling die. S. N. Johnson. 2,042,716; June 2.
Audio frequency limiting device. J. H. Hammond, Jr. 2,042,989; June 2.
Automobile panel and arm rest assembly, Combined. F. L. Chadwick. 2,042,587; June 2.
Award dispensing machine. P. T. Hart and F. J. Glaser. 2,043,166; June 2.
Axle drive mechanism. C. E. Stewart. 2,043,077; June 2.
Axle for automotive vehicles, Rear. J. Miesse. 2,043,185; June 2.
Axle mechanism, Driving. M. B. Morgan. 2,043,006; June 2.
Axles and truing the wheels of automobiles, Apparatus for straightening. M. S. Merrill. 2,042,856; June 2.
Backing roll chuck latch. H. H. Talbot. 2,042,872; June 2.
Bag: *See*—
Seep-proof bag.
Bag. A. F. Reilly. 2,042,682; June 2.
Bait or lure, Fish. G. A. Lambrecht. 2,043,001; June 2.
Baked goods for diabetics, Making. K. Wille and E. Fritsch. 2,043,139; June 2.
Balanced pressure regulator. C. B. McElwaine. 2,042,906; June 2.
Baling press. W. F. MacGregor. 2,042,612; June 2.
Ball game, Pocket. J. S. Fritz. 2,042,984; June 2.
Barge for transporting logs and the like. W. B. Fogh. 2,042,932; June 2.
Barrell. C. B. Arnold. 2,043,026; June 2.
Basket, Collapsible. R. B. Ahlmark and F. W. Young. 2,042,977; June 2.
Battery: *See*—
Storage battery.
Battery. W. B. Schulte. 2,042,806; June 2.
Beach case. Z. L. Bozin. 2,042,699; June 2.
Bead loom. S. Wallach. 2,043,082; June 2.
Bearing and mounting, Antifriction. T. C. Delaval-Crow. 2,042,882; June 2.
Bearings, Process and apparatus for making. R. D. Pike. 2,042,800; June 2.
Beater. E. F. Martinet. 2,042,791; June 2.
Beater roll and Jordan plug, Bandless. J. D. Haskell. 2,042,893; June 2.
Belt. J. Rasp. 2,043,061; June 2.
Belt, Rupture relief. L. A. Fritsch. 2,042,593; June 2
Bicycle mudguard clamp. G. H. Goeddeke. 2,043,041; June 2.
Bicycle, Multiple speed. A. J. Pehl. 2,042,861; June 2.
Bin discharge structure, Powder. C. H. Smith. 2,042,739; June 2.
Blade sharpening device for ice skates. J. Viozzi. 2,042,916; June 2.
Blank support for a forming machine. F. Meyer. 2,042,794; June 2.
Boat attachment. J. W. Harvey. 2,042,598; June 2.
Bobbin or tube, particularly for use in looms, Yarn. F. Fallscheer. 2,042,708; June 2.
Boiler. T. E. Murray. 2,042,618; June 2.
Boiler cleaner. L. C. Brown. 2,043,150; June 2.
Boiler return trap. W. K. Simpson. 2,043,073; June 2.
Book, Manifold. R. M. Bonn. 2,042,823; June 2.
Boots and shoes, Method of and machine for use in manufacturing. K. Engel. 2,042,518; June 2.
Bottle, Nonrefillable. J. T. A. Willcox, G. Pooley, and H. M. Bonnaud. 2,043,138; June 2.
Bottle, Nursing. W. A. O'Dette. 2,043,186; June 2.
Box: *See*—
Journal box. Stuffing box.
Safety coil box.
Box, Making a. E. W. Labombarde. 2,043,104; June 2.
Bracket: *See*—
Adjustable bracket.
Bracket for auto license tags or the like. L. M. Bruns. 2,042,768; June 2.
Brake: *See*—
Hydraulic brake. Prony brake.
Brake. G. S. Knapp. 2,042,850; June 2.
Brake. N. W. Pearson. 2,042,624; June 2.
Brake beam and bottom rod support for cars, Combined. R. D. Smith. 2,042,740; June 2.
Brake drum. J. L. Dostal. 2,042,654; June 2.
Brake drum construction. A. S. Van Halteren. 2,042,750; June 2.
Brake drums, Making flanged. C. W. Dake and R. K. Johnson. 2,042,701; June 2.
Brake for vehicles, Hydraulic. T. L. Maisch. 2,042,539; June 2.
Brake lever extension. G. F. Bahr. 2,043,206; June 2.
Braking device. J. D. Stultz. 2,042,563; June 2.
Braking device, particularly for railway vehicles, Double power. H. Gallusser. 2,043,040; June 2.
Braking mechanism, Fluid pressure controlled. F. L. Shelor. 2,042,809; June 2.
Bread, etc., Apparatus for toasting. M. H. Graham. 2,042,595; June 2.
Brick, Cavity. J. J. Hine and W. A. Fox-Strangways. 2,042,992; June 2.
Bridge members, Make-up of. C. A. P. Turner. 2,042,973; June 2.
Bridle ring for supporting telephone drop wires. F. G. Ridgers. 2,042,804; June 2.
Broiler. A. M. Feldman. 2,042,773; June 2.
Brush holder. L. Dry. 2,042,700; June 2.
Buffing wheel. H. Zimmerman. 2,043,189; June 2.
Burner: *See*—
Gas burner. Oil burner.
Burner control mechanism for ranges, stoves and the like, Gas. H. Lange. 2,043,106; June 2.
Cabinet. I. R. Horn. 2,042,848; June 2.
Cable, Electric. H. G. Knoderer. 2,043,044; June 2.
Cable, Submarine signaling. O. B. Jacobs. 2,042,530; June 2.
Cable, Underground electric. P. T. Capdeville. 2,043,033; June 2.
Calculating machine. R. Haase. 2,042,986; June 2.
Camera. H. C. Fairchild. 2,042,983; June 2.
Camera, Cinematographic view taking. A. L. V. C. Debrie. 2,043,155; June 2.
Can package and packaging. W. L. Rutkowski. 2,043,070; June 2.
Can applying machine, Screw. A. I. Risser. 2,042,733; June 2.
Car construction. W. J. Hosceit. 2,042,528; June 2.
Carbon dioxide from waste gases, Recovery of. R. H. McKee and E. A. Winter. 2,043,109; June 2.
Carburetor. M. E. Chandler. 2,042,770; June 2.
Carburetor. O. F. Teed. 2,042,913; June 2.
Carton, Display. P. J. Bernard. 2,042,980; June 2.
Carton, Shipping and dispensing. W. Ort. 2,042,799; June 2.
Cartons and materials therefor, Reenforcing and sealing. W. W. McLaurin. 2,043,110; June 2.

Cartons, Sealing paper. A. Wesselman. 2,043,135; June 2.
Case: *See*—
Beach case.
Casing: *See*—
Sausage casing.
Casket, Burial. J. Jacques. 2,042,849; June 2.
Caster, Compensating. W. F. Herold. 2,042,525; June 2.
Caster raising and lowering mechanism. O. J. Williams. 2,042,489; June 2.
Casting, Striking. D. S. Barrows. 2,043,090; June 2.
Catalyses, Process and apparatus for vapor phase. A. P. Beardsley. 2,042,922; June 2.
Catalytic apparatus and process of regenerating contact masses therein. A. Joseph. 2,042,469; June 2.
Cellulose articles, Producing. A. G. Hewitt. 2,043,172; June 2.
Cellulose from ligno-cellulosic products, Manufacture of. H. Dreyfus. 2,042,705; June 2.
Cellulose structure. W. H. Charch and W. F. Underwood. 2,042,588; June 2.
Cellulose sulphate, Preparation of low substituted. L. Rubenstein. 2,042,484; June 2.
Cement, Manufacture of Portland. H. R. Durbin. 2,042,833; June 2.
Centrifuge, Horizontal. P. van Riel. 2,043,131; June 2.
Chain: *See*—
Safety chain.
Check writer. E. E. Phinney. 2,042,959; June 2.
Chest, box, or container. H. H. Yawman. 2,042,693; June 2.
Chromium plating solutions, Control of. H. S. Lukens. 2,042,611; June 2.
Chuck mechanism for automatic machine tools. H. W. Rupple. 2,042,555; June 2.
Chuck operator, Mechanical. E. P. Bullard. 2,042,502; June 2.
Chute, Mail. G. A. Bridgman. 2,042,500; June 2.
Cigarette holder. G. J. Gailey. 2,042,891; June 2.
Circuit arrangement, Superheterodyne. O. Schriever. 2,042,636; June 2.
Circuit breaker system, Automatic reclosing. A. H. Curtis. 2,042,925; June 2.
Circuit closer. W. Pitt. 2,042,863; June 2.
Circuit closing device. F. C. Twist. 2,042,915; June 2.
Circuit terminal structure, Electric. J. D. Noyes. 2,042,620; June 2.
Circuits and apparatus for operating electric discharge lamps. W. F. Westendorp. 2,043,023; June 2.
Circular loom. H. Dreyfus and W. Pool. 2,042,703–4; June 2.
Clamp: *See*—
Bicycle mud guard clamp
Clamp for concrete form work. E. P. Muntz. 2,042,955; June 2.
Clamping device. F. E. Stahl. 2,043,125; June 2.
Clean up agent for vacuum devices. D. S. Gustin. 2,042,935; June 2.
Cleaner: *See*—
Boiler cleaner. Windshield cleaner.
Cleaning appliance. A. C. E. Meier. 2,042,546; June 2.
Closure and strainer device. A. A. Arvintz. 2,042,921; June 2.
Cloth display measuring and cutting device. C. E. Walter. 2,043,133; June 2.
Clutch control. V. W. Kliesrath. 2,042,717; June 2.
Clutch mechanism. O. H. Banker. 2,042,454; June 2.
Coated materials and producing same. J. C. Siemann. 2,042,638; June 2.
Code calling system. P. C. Smith. 2,042,869; June 2.
Coffer, Burglarproof. C. Stengel. 2,043,126; June 2.
Coin receptacle. W. H. Harvey. 2,042,844; June 2.
Collapsible tube. J. H. Friden. 2,042,836; June 2.
Collecting device for matchmaking machines. P. W. Dietmann. 2,043,157; June 2.
Collector for electric cars. O. Conradty. 2,042,653; June 2.
Colon irrigator. F. A. Mayberry. 2,043,005; June 2.
Colostomy pad. F. H. Frissell. 2,043,097; June 2.
Combination furnace. H. Pontzen. 2,042,626; June 2.
Combustion control. G. H. Gibson. 2,042,838; June 2.
Compacting apparatus. H. F. Lewis. 2,042,948; June 2.
Compositions for dyeing hair. E. Basch. 2,042,698; June 2.
Compositions useful for the production of azo dyestuffs and their application. M.-J.-G. Bader. 2,042,696; June 2.
Compounds obtained by catalytic hydrogenation of oxides of carbon, Sulphonated oxygenated. H. Ulrich, K. Saurwein, and F. Siefert. 2,042,747; June 2.
Compression in engines, Controlling. J. O. Snyder. 2,042,969; June 2.
Compressor, Multistage rotary. K. Baumann. 2,042,496; June 2.
Concrete wall structure and method of production. F. P. Sloan. 2,042,487; June 2.
Condensation products, Production of. K. Eisenmann, E. Scholz, and K. Wolf. 2,043,159; June 2.
Condenser: *See*—
Variable condenser.
Condenser. T. J. Scofield. 2,042,556; June 2.
Conditioning device. W. Stelkens. 2,042,559; June 2.
Conductors, Manufacturing stranded. C. Traugott. 2,043,130; June 2.
Conduit connection between car bodies. M. P. Blomberg. 2,042,765; June 2.
Conduits, Impregnating fibrous. S. P. Miller. 2,042,678; June 2.
Connecter: *See*—
Electric connecter.
Container. K. L. Murray. 2,042,796; June 2.
Container unit, Food. L. H. Scurlock. 2,042,637; June 2.
Containers, Apparatus for filling. S. F. Anderson. 2,042,453; June 2.
Containers, Method of and machines for making. G. E. West. 2,042,975; June 2.
Control device. R. Lewis. 2,042,609; June 2.
Control for internal combustion engines, Remote. E. R. Witzel and R. L. Humbert. 2,042,755; June 2.
Control lever for agricultural implements, Collapsible. E. J. Kuckuck. 2,042,789; June 2.
Control mechanism, Automatic. A. C. Durdin, Jr. 2,043,096; June 2.
Cooling unit. M. R. Karge. 2,043,176; June 2.
Cooling unit. G. F. Zellhoefer. 2,042,694; June 2.
Cord terminal plug. J. Bernfeld. 2,042,580; June 2.
Core bars in flasks, and combinations of such means with core bars and flasks, Supporting and positioning. J. R. McWane. 2,042,907; June 2.
Cotton fabric and product, Treating. C. B. White. 2,043,137; June 2.
Coupling: *See*—
Flexible coupling.
Cover crop cutter. L. Bishop. 2,042,981; June 2.
Crib, Folding. S. W. Schmitt and A. J. Mory. 2,043,072; June 2.
Crystallization apparatus. F. Jeremiassen. 2,042,661; June 2.
Crystallization at the solidification of metallic castings, Avoiding coarse. E. Scheil. 2,042,735; June 2.
Culvert, Self-sustaining. E. J. Hatch and E. A. Stringer. 2,043,100; June 2.
Cups, Method and apparatus for the manufacture of drinking. F. P. Swallow. 2,043,018; June 2.
Current apparatus, Alternating. R. C. Clinker. 2,042,505; June 2.
Current rectifier, Electric. M. Masnou. 2,042,542; June 2.
Cutter: *See*—
Cover crop cutter.
Cutting apparatus. E. A. Rosin. 2,042,553; June 2.
Cutting implement. N. J. Rivard. 2,042,965; June 2.
Demountable wheel. D. Slick. 2,043,123; June 2.
Dental tool attachment. J. H. Blair. 2,043,028; June 2.
Device for paying out a hoisting line. J. C. Patterson. 2,042,481; June 2.
Device for ripping open paper envelopes. A. D. Thieme. 2,043,129; June 2.
Diagram, Living. J. Latzko and O. Plechl. 2,042,667; June 2.
Diaphragm for railway coaches. J. T. Trumpbour. 2,042,914; June 2.
Dichloro-anthraquinone-acridone and preparing the same. R. F. Thomson, W. Smith, and J. Primrose. 2,043,078; June 2.
Die: *See*—
Assembling die.
Direction indicator. H. L. Eatz. 2,043,158; June 2.
Discharge mechanism for automatic firearms. N. Mancini. 2,042,613; June 2.
Dish, Combination. R. H. Pittman. 2,042,801; June 2.
Dispenser: *See*—
Liquid dispenser.
Display apparatus. J. C. Conn. 2,042,508; June 2.
Display apparatus and optical system. H. White. 2,042,815; June 2.
Dissolution or lixiviation, Apparatus for effecting. W. H. Allen, E. Underhill, and C. F. Ritchie. 2,042,818; June 2.
Door, Car. S. Reese. 2,042,731; June 2.
Door check. E. E. Memmel. 2,042,954; June 2.
Door holder, Fusible. E. L. Heverly. 2,043,198; June 2.
Double universal joint. J. A. Daniell. 2,042,513; June 2.
Doup heddle loom. W. H. Hall, Jr. 2,043,165; June 2.
Drafting apparatus. A. B. Fay. 2,042,885; June 2.
Dragline excavator. M. L. Fykse. 2,042,460; June 2.
Drier. O. S. and R. T. Anderson. 2,042,979; June 2.
Drive and control therefor, Variable speed. P. B. Reeves. 2,043,008; June 2.
Duplicating sales pad. E. Z. Lewis. 2,043,182; June 2.
Dust removing means for valve seat grinders or the like. E. A. Hall. 2,042,782; June 2.
Dye preparation. W. Kritchevsky. 2,042,473; June 2.
Dye preparation. W. Kritchevsky. 2,043,178–9; June 2.
Dyestuffs and their production, Azo. W. Koch and H. Winkeler. 2,043,199; June 2.
Dyestuffs derived from p-amino-benzaldehyde compounds, Methine. O. Wahl. 2,043,081; June 2.
Dyestuffs of the anthraquinone series and making same, Vat. H. Scheyer and E. Schwamberger. 2,042,683; June 2.
Dyestuffs of the anthraquinone series and the dyestuffs thus obtainable, Preparing acid wool. K. Zahn and H. Koch and K. Weinand. 2,042,757; June 2.
Electric connecter. W. G. Pontis. 2,042,680; June 2.

Electric heater. F. E. Finlayson. 2,043,195–6; June 2.
Electric heater. W. A. Merklein. 2,042,855; June 2.
Electrical device. T. J. J. A. Manders. 2,042,540; June 2.
Electrical distribution system. H. J. L. Frank and W. A. Harper. 2,042,778; June 2.
Electrical heating system for buildings. J. H. Taylor. 2,042,742; June 2.
Electrical protective system. W. M. Hanna. 2,043,099; June 2.
Electrical resistance element and alloy therefor. J. L. Thomas. 2,042,972; June 2.
Electrical resistance elements and alloys therefor, Making. J. L. Thomas. 2,042,971; June 2.
Electrical switch. S. Ruttenberg. 2,042,865; June 2.
Electrode and plug therefor, Therapeutic. F. C. Wappler. 2,043,083; June 2.
Electrode holder. J. T. Catlett. 2,042,504; June 2.
Electrolysis. H. M. Doran and H. D. Houghton. 2,042,591; June 2.
Electromechanical reproducer for gunfire. A. V. Baranoff. 2,042,697; June 2.
Electron discharge device. J. W. Marden. 2,042,951; June 2.
Electron discharge device and anode therefor. G. M. Dinnick. 2,042,929; June 2.
Electron discharge tube. H. Cohn. 2,042,506; June 2.
Electron discharge tube. W. L. Krahl. 2,042,607; June 2.
Embroidery machine. A. Chiti. 2,042,590; June 2.
End construction, Front. E. E. Lundberg. 2,043,050; June 2.
Endless conveyer band filter. M. Lamort. 2,043,181; June 2.
Endless film reel. H. Heinis. 2,042,599; June 2.
Engine: *See*—
Air cooled engine. Internal combustion engine
Engine. A. J. Meyer. 2,043,111; June 2.
Engine. H. H. Timian. 2,043,079; June 2.
Engine. E. T. Vincent. 2,043,080; June 2.
Engine of the two-stroke type, Internal combustion. D. G. Mackenzie. 2,042,722; June 2.
Entrance enclosure structure. L. G. Jacobson. 2,043,174; June 2.
Esters of abietic acid, Hydrogenation of. D. C. Butts. 2,042,585; June 2.
Esters of methacrylic acid, Production of. J. W. C. Crawford. 2,042,458; June 2.
Ethers, Dichloroalkyl. G. A. Perkins. 2,042,862; June 2.
Evaporator. C. H. Steenstrup. 2,042,558; June 2.
Evaporator, Flooded. L. W. Atchison. 2,042,493; June 2.
Evaporator for refrigerating apparatus. W. D. Collins. 2,042,507; June 2.
Excavator: *See*—
Dragline excavator.
Exerciser. E. F. Birch. 2,042,764; June 2.
Expanding and contracting device. J. A. Wilmesherr. 2,043,140; June 2.
Expanding device. J. A. Wilmesherr. 2,043,141; June 2.
Expansion joint. E. E. Hall and W. H. Eichelman. 2,042,524; June 2.
Fastener. B. C. Place. 2,043,007; June 2.
Fastener-attaching device. E. D. Simons. 2,042,866; June 2.
Fastening tool handle. E. A. Litchfield. 2,043,003; June 2.
Feeding mechanism for rock drills. J. C. Curtis. 2,042,927; June 2.
Fertilizer and charcoal from waste organic matter, Producing. G. T. Reich. 2,043,009; June 2.
Filaments and films, Preparation of dyed. R. Rüsch and H. Schmidt. 2,043,069; June 2.
Filaments, Production of artificial. W. I. Taylor. 2,042,743; June 2.
Filter: *See*—
Endless conveyer band filte
Filter and making same. R. P. F. Liddell. 2,042,537; June 2.
Filter and operating same. E. J. Sweetland. 2,042,564; June 2.
Fire alarm device. C. J. Rohland. 2,043,122; June 2.
Firearm. M. A. Gill. 2,042,934; June 2.
Fishing reel. M. Shakespeare. 2,042,737 June 2.
Flexible coupling. A. L. Lee. 2,042,608; June 2.
Floating tool holder. W. M. Ziegler. 2,042,648; June 2.
Flotation reagent. L. J. Christmann and D. W. Jayne, Jr. 2,043,192; June 2.
Flow regulating valve. M. H. Grove. 2,042,781; June 2.
Flowers fresh, Keeping cut. J. Weissflog. 2,042,974; June 2.
Fluid distribution in contact masses. E. J. Houdry. 2,042,468; June 2.
Fluid flow control device. O. W. Hahn. 2,042,462; June 2.
Fluids, Method of and apparatus for heating. L. de Florez. 2,043,095; June 2.
Fly escape structure. E. C. Klaiber. 2,043,043; June 2.
Food and food packaging. A. H. Blount. 2,042,581; June 2.
Food chopping machine. A. C. Van Hooydonk. 2,043,216; June 2.
Form, Collapsible tire-band. H. C. Bostwick. 2,042,498; June 2.
Formamide to produce hydrocyanic acid, Dehydration of. H. A. Bond and N. D. Scott. 2,042,451; June 2.
Forming machine. W. H. Knowles. 2,042,851; June 2.
Fountain: *See*—
Ink fountain.
Frame for handbags purses, or the like. G. S. Merk. 2,042,793; June 2.
Fruit, Conditioning. A. E. Nelson. 2,042,857; June 2.
Fuel briquette and the production of same. L. J. J. Hazelzet. 2,042,894; June 2.
Furnace: *See*
Combination furnace.
Furnace. R. von Mattekovich. 2,042,642–3; June 2.
Furnace wall. A. H. Stewart. 2,042,560; June 2.
Furrow damming machine. R. H. Smith. 2,043,076; June 2.
Fuse. E. A. William. 2,043,024; June 2.
Fuse and fuse puller. M. B. Wood. 2,042,756; June 2.
Fuse for candles and the like H. C. Gibson, D. L. Woodberry, and J. Stank. 2,042,461; June 2.
Gain control, Automatic. W. van B. Roberts. 2,043,062; June 2.
Game. W. J. Emmerich. 2,042,930; June 2.
Game apparatus. D. E. Hooker 2,042,786; June 2.
Game apparatus. F. J. Marco. 2,042,723; June 2.
Game device. L. La Voice. 2,043,105; June 2.
Game device, Catcher and thrower. R. H. McCrea. 2,042,544; June 2.
Garment construction. J. B. Ransom. 2,042,629; June 2.
Garment hanger. R. Hoffman. 2,042,846; June 2.
Garment holding rack. L. O. Duncan. 2,043,036; June 2.
Garment pressing machines, Attachment for. H. G. Sutton. 2,042,640; June 2.
Gas administering. E. I. McKesson. 2,042,474; June 2.
Gas burner. E. Olson. 2,042,798; June 2.
Gas meter. W. B. Brown. 2,042,766; June 2.
Gases by differential thermal conductivity measurments, Analyzing. W. J. Willenborg. 2,042,646; June 2.
Gases, Producing. A. B. Kinzel. 2,042,665; June 2.
Gate: *See*—
Honey gate.
Gauge: *See*—
Liquid level gauge. Railway track gauge.
Gearing: *See*—
Speed gearing.
Generator: *See*—
Oscillation generator.
Glass, Apparatus for assembling insulating. J. H. Fox. 2,042,835; June 2.
Glass articles, Forming hollow. G. E. Rowe. 2,043,065; June 2.
Glass inspection apparatus, Sheet. F. R. Hohmann. 2,042,526; June 2.
Glass, Method and apparatus for tempering. J. T. Littleton. 2,042,610; June 2.
Glass sheets, Apparatus for cracking scored. M. F. Allison. 2,042,819; June 2.
Glass sheets, Method and apparatus for case hardening. G. R. Ford, Jr. 2,042,521; June 2.
Glassware, Making etched. R. L. Wooles. 2,043,025; June 2.
Grade crossing, Railroad. J. F. Rose. 2,042,805; June 2.
Grinding machine, Freehand. E. Stubbs. 2,043,017; June 2.
Guard for hanging electric light bulbs. C. A. Scheeler. 2,042,634; June 2.
Guard, Shirt cuff. C. H. Trieschmann. 2,042,567; June 2
Gun, Centrifugal. B. F. S. Baden-Powell. 2,043,117; June 2.
Gyro-compass and artificial horizon, Combined. C. H. Havill. 2,043,168; June 2.
Hair net. L. J. F. Morins. 2,042,908; June 2.
Handbag. W. C. Hiering. 2,042,941; June 2.
Hand restraining device. E. F. Cox. 2,043,153; June 2.
Handle: *See*—
Fastening tool handle.
Hanger: *See*—
Garment hanger.
Hat holder. C. W. Twite. 2,043,022; June 2.
Hat protector. M. H. Friedler. 2,042,889; June 2.
Heater: *See*—
Electric heater.
Heating and distillation. J. W. Gray. 2,042,713; June 2.
Heating apparatus employing catalytic combustion. P. Weber. 2,042,690; June 2.
Hedge trimmer. P. Kulikowski. 2,042,902; June 2.
Heel lift, Detachable. J. Kekoni. 2,043,177; June 2.
Hobbing machine feeding mechanism. C. H. Schurr. 2,043,012; June 2.
Hoist, Overhauling. J. C. Patterson, Jr. 2,042,480; June 2.
Holder: *See*—
Brush holder. Hat holder.
Cigarette holder. Lipstick holder.
Door holder. Necktie holder.
Electrode holder. Scarf holder.
Floating tool holder. Ticket holder.
Holder for cans, etc., Sign. G. Turbush. 2,042,813; June 2.
Holder for milk and other bottles, Trap. C. L. Knapp. 2,042,605; June 2.
Holder for tubular supports for coils of strand materials. W. Siegenthaler. 2,042,968; June 2.
Homogenizer. M. Cornell. 2,042,880; June 2.
Honey gate. E. Fahlbeck. 2,042,772; June 2.
Hood for drying hair. G. Ducart. 2,042,592; June 2.

Horn, Air. R. M. Critchfield. 2,042,881; June 2.
Hosiery and manufacture therefor, Weltless, full-fashioned. J. M. Botts. 2,042,582; June 2.
Hydraulic brake. C. E. Fisher. 2,043,039; June 2.
Hydraulic jack. J. J. Mueller. 2,042,727; June 2.
Hydrocarbon distillates, Treatment of cracked. H. V. Atwell. 2,042,448; June 2.
Hydrocarbons, Refining. W. J. Sparks. 2,042,557; June 2.
Hydrocarbons, Treatment of. J. H. Boyd, Jr. 2,042,452; June 2.
Ice cream apparatus. A. E. Herron. 2,042,940; June 2.
Imidazole compounds which are useful textile assisting agents and making same, Basic. C. Gränacher. 2,043,164; June 2.
Indicator: *See*—
Direction indicator. Pay indicator.
Indicator. W. L. Maxson. 2,042,615; June 2.
Indicator and control for automobile heaters. M. J. Marty and R. H. Hausse. 2,043,054; June 2.
Inductor dynamo-electric machine. L. A. March. 2,043,052; June 2.
Inductors of turbo-generators, Cooling the. F. Punga and H. Roos. 2,043,120; June 2.
Ink fountain. E. Hoyle. 2,042,943; June 2.
Inking apparatus for platen printing presses. A. Blittner. 2,042,769; June 2.
Insecticide. C. B. Gnadinger. 2,042,712; June 2.
Interlocking system for railroads. C. S. Bushnell. 2,042,650; June 2.
Internal combustion engine. W. M. Baumheckel. 2,043,146; June 2.
Internal combustion engine. R. C. Russell. 2,042,967; June 2.
Jack: *See*—
Hydraulic jack.
Jig boring machine. H. Lindner. 2,042,720; June 2.
Joint: *See*—
Double universal joint. Expansion joint.
Joist for joist and tile construction for floors and the like. H. F. Frease. 2,042,779; June 2.
Journal box. D. S. Barrows. 2,043,091; June 2.
Keyboard for calculating machines and the like. J. A. V. Turck. 2,043,021; June 2.
Kiln, Baffled rotary. T. Avnsoe and E. Posselt. 2,042,494; June 2.
Label forming and attaching method and means. R. B. Whitman. 2,042,816; June 2.
Labeling implement. L. A. Maclean. 2,042,671; June 2.
Ladle. C. E. Lehr. 2,043,048; June 2.
Lamp: *See*—
Ultra violet lamp.
Last. M. Cuozzo. 2,042,512; June 2.
Latch: *See*—
Backing roll chuck latch.
Lathe, Automatic. K. Tessky. 2,042,687; June 2.
Lathes, Dividing head for. L. Holtschneider. 2,042,847; June 2.
Lavatory waste. R. H. Zinkil and E. W. Marchand. 2,043,088; June 2.
Lawn edger. E. L. Blondeau. 2,043,148; June 2.
Laxative composition. C. G. Spalding. 2,043,204; June 2.
Lead alloys, Producing. F. B. Peterman. 2,042,625; June 2.
Leakage compensating meter. W. S. Brubaker. 2,042,767; June 2.
Lens elements, Aligning and holding. E. D. Tillyer. 2,042,565; June 2.
Leverage mechanism for vehicle brakes, Variable. B. H. Browall. 2,042,649; June 2.
Life boats, Apparatus for launching. R. C. Wilson. 2,042,753; June 2.
Liner washer. J. A. Wilcox. 2,042,817; June 2.
Lining and material therefor, Furnace. H. H. Blau and H. N. Baumann, Jr. 2,043,029; June 2.
Lip stick package. C. Bustamante. 2,042,584; June 2.
Liquid dispenser. C. H. Erne. 2,042,459; June 2.
Liquid dispenser, Volumetric. W. E. Barrott. 2,042,455; June 2.
Liquid dispensing apparatus. W. H. De Lancey. 2,043,035; June 2.
Liquid dispensing means. L. L. DaCosta. 2,042,928; June 2.
Liquid level gauge. C. Knobloch. 2,042,471; June 2.
Liquid waxing device. C. Bacher. 2,043,145; June 2.
Liquids, Apparatus for measuring. C. O. J. Montelius. 2,042,725; June 2.
Liquids, Device for treating. G. A. Krause. 2,042,534; June 2.
Liquids, Evaporating. C. Theiler. 2,042,468; June 2.
Liquids, Lifting. A. Boynton. 2,042,583; June 2.
Liquids, Method and apparatus for the regulation of viscosity of. E. H. Peabody and W. H. Martin. 2,042,860; June 2.
Liquor. Manufacture of bi-sulphite. A. L. Miller and G. M. Darby. 2,042,477; June 2.
Liquor, Production of bi-sulphite. A. L. Miller, R. W. Shafor, and G. M. Darby. 2,042,478; June 2.
Load shifting mechanism for power vehicles. W. Ferris. 2,042,519; June 2.
Lock. R. Simon. 2,042,867; June 2.
Lock. F. E. Thompson. 2,043,205; June 2.
Lock slot seam and lock slot. J. A. Delaney. 2,042,883; June 2.
Locking attachment plug. E. Zurcher. 2,042,491; June 2.
Locking device for motor vehicle wheels. C. Ferro. 2,042,774; June 2.
Loom: *See*—
Bead loom. Doup heddle loom.
Circular loom.
Loom stop motion. P. Piatti. 2,043,116; June 2.
Louver, Adjustable. J. E. Murphy, H. W. Schmitz, and A. M. Peabody. 2,042,617; June 2.
Lubricating apparatus. G. F. Thomas and J. Bystricky. 2,042,970; June 2.
Lubricating device. H. E. N. Pruvot. 2,042,681; June 2.
Lubricating device. H. R. Tear and H. C. Roth. 2,042,744; June 2.
Lubricating system. T. F. Worth. 2,042,575; June 2.
Lumber, Manufacturing. O. P. M. and W. C. Goss. 2,042,039; June 2.
Luminair. J. C. Dunn and M. Klein. 2,043,193; June 2.
Machine for applying activating liquids to cemented shoe parts. C. A. Newhall. 2,042,479; June 2.
Machine for cutting rubber stock. J. C. Carlin. 2,042,829; June 2.
Machine for depositing circulars into containers. F. P. Lindgren. 2,042,719; June 2.
Machine for making binding strips. W. Stuebing, Jr. 2,042,912; June 2.
Machine for making bolts and the like. W. L. Clouse. 2,043,093; June 2.
Machine for making box-parts. C. D. Knowlton. 2,042,472; June 2.
Machine for operating upon hides, skins, and pieces of leather. H. A. Ballard. 2,042,495; June 2.
Machine for railroads, Interlocking. W. K. Howe. 2,042,659; June 2.
Machine for removing tire treads. G. F. Connelly. 2,042,599; June 2.
Magazine for razor blades. L. Kuhnl. 2,043,046; June 2.
Magneto. K. A. Harmon and R. W. Crocker. 2,043,042; June 2.
Magneto rotor assembly. C. F. Reis. 2,043,010; June 2.
Manganese dioxide, Production of. C. S. Vadner. 2,042,814; June 2.
Manure spreader. L. A. Button. 2,043,151; June 2.
Massage apparatus. M. Rüttger-Pelli. 2,043,114; June 2.
Matchmaking machine. P. W. Dietmann. 2,043,156; June 2.
Material and making the same, Moistureproof. W. H. Charch and A. Hersbberger. 2,042,589; June 2.
Material exuding from trees, Method of and apparatus for collecting. A. H. Holman. 2,043,173; June 2.
Material treating and handling apparatus. J. D. Ferry. 2,042,655; June 2.
Materials, Apparatus for drying or cooling. O. S. and R. T. Anderson. 2,043,143; June 2.
Materials, Coloration of. H. Platt. 2,042,802; June 2.
Materials, Production or treatment of artificial. H. Dreyfus. 2,042,702; June 2.
Matrix scorcher. H. A. W. Wood. 2,042,918; June 2.
Maximum demand meter. F. G. Holtz. 2,042,601; June 2.
Mechanism testing device. A. L. Bennett. 2,042,761; June 2.
Metal body and making it, Porous. E. L. Schellens. 2,042,635; June 2.
Metal compounds of disazo-dyestuffs, Complex. F. Straub and H. Mayer. 2,042,810; June 2.
Metal structure. A. Nechin. 2,042,797; June 2.
Meter: *See*—
Gas meter. Maximum demand meter.
Leakage compensating me- Pump and venturi meter.
ter.
Mill: *See*—
Roughage mill.
Mineral aggregate for road-surfacing and other purposes, Preparing. E. F. Durfee. 2,043,037; June 2.
Mirror, Umbrella. J. M. Swasey. 2,043,019; June 2.
Mixer: *See*—
Oil mixer. Safety mixer.
Mixing apparatus for liquids. F. Maurer. 2,043,108; June 2.
Mixture of hard materials and matrix metals, Securing a homogeneous. E. Schjöth. 2,042,684; June 2.
Modulating means. G. L. Usselman. 2,042,748; June 2.
Mop. A. Granger. 2,042,892; June 2.
Mop construction. W. H. Pleiss. 2,042,803; June 2.
Motion, Device for transmitting. F. Zofzik. 2,042,695; June 2.
Motor: *See*—
Self-starting synchronous motor.
Motor and controller, Combined electric. F. J. Rathbun and R. J. Owen. 2,042,962; June 2.
Motor control system for coiling mechanisms. D. I. Bohn. 2,043,208; June 2.
Motor mount. B. D. Kunkle. 2,042,666; June 2.
Motor-pump assembly, Unitary. R. T. Smith and F. L. Tarleton. 2,043,215; June 2.
Motor vehicle appliance. W. Henry. 2,043,171; June 2.
Mount for cards, etc. L. A. Maclean. 2,042,672; June 2.
Mounting, Automobile spring. O. F. Lundellius and M. N. Lefler. 2,042,853; June 2.
Mower, Grass and weed. A. F. Macconochie. 2,042,854; June 2.

Multiplier, Dynamic. J. H. Hammond, Jr. 2,042,988; June 2.
Musical instrument. W. J. Quemore. 2,043,121; June 2.
Naught mechanism for use in ten key adding machines. H. Satukangas. 2,042,909; June 2.
Necktie, Adjustable. W. Mayer. 2,043,053; June 2.
Necktie holder. J. Mast. 2,042,903; June 2.
Needle bearing spring and mounting means. H. A. Taplin. 2,042,811; June 2.
Nitriding, Process for. D. A. Holt. 2,042,527; June 2.
Nitro-derivatives of 2-hydroxynaphthalene-1-sulphonic acid-3-carboxylic acid and preparing them. E. Hotz and W. Luce. 2,042,658; June 2.
Noxious organisms, Apparatus for neutralizing. W. Lechler. 2,043,002; June 2.
Oil, Apparatus for dewaxing. H. F. Fisher. 2,042,775–6; June 2.
Oil burner. L. W. Holmes. 2,042,785; June 2.
Oil gasification process. A. Johnson. 2,042,997–9; June 2.
Oil mixer, Road. G. Gardner. 2,042,837; June 2.
Oil package. R. John. 2,042,996; June 2.
Oils and fats, Apparatus for treating. W. Gensecke. 2,042,711; June 2.
Oils, Process and apparatus for dewaxing. B. G. Aldridge and B. Hopper. 2,042,758; June 2.
Oils, Process and apparatus for dewaxing. H. F. Fisher and B. G. Aldridge. 2,042,887; June 2.
Oils, Refining hydrocarbon. A. Lachman. 2,042,718; June 2.
Oils, Treating hydrocarbon. W. M. Stratford. 2,043,016; June 2.
Oils, Treatment of petroleum. E. B. Hjerpe and W. A. Gruse. 2,042,995; June 2.
Opener, Jar. A. Argauer. 2,043,144; June 2.
Ores, Apparatus for the amalgamation of. C. J. F. Philly, dit de Philly. 2,043,115; June 2.
Ores, Smelting sulphide. R. F. Bacon. 2,042,576; June 2.
Ornament, Christmas tree. W. A. McCluskey. 2,042,905; June 2.
Orthopedic instrument for the detection of foot disorders. C. Owens. 2,043,187; June 2.
Oscillation generator, Ultra short wave. D. Prinz and H. O. Roosenstein. 2,042,864; June 2.
Outlet. H. F. Richardson. 2,042,633; June 2.
Package for strand material. W. C. Protz. 2,043,118; June 2.
Packing: *See*—
Piston packing.
Pad: *See*—
Colostomy pad. Duplicating sales pad.
Pan for window and wall construction, Copper. J. Ludden. 2,043,049; June 2.
Panel construction, Metal. M. Loewy. 2,042,721; June 2.
Paperboard. F. L. Buchanan and R. Guyer. 2,042,501; June 2.
Paper, Indented shock absorbing cushioning or packing. J. E. Kieffer. 2,042,470; June 2.
Paper printed with oxidizable inks, Deinking. P. R. Hines. 2,042,465; June 2.
Parachute rip cord assembly. E. L. Hoffman. 2,042,466; June 2.
Paraformaldehyde, Preparation of soluble. W. S. Hinegardner. 2,042,657; June 2.
Pasteurizing and cooling. H. C. Stephens and S. B. Hoar. 2,042,685–6; June 2.
Pawl release. O. L. Berby. 2,042,762; June 2.
Pay indicator. A. F. Lairet. 2,043,047; June 2.
Phenols, Producing. E. B. Kester. 2,043,102; June 2.
Photocopy machine. W. P. Lloyd and M. H. Hill. 2,043,004; June 2.
Photography, Color. G. Heymer. 2,042,895; June 2.
Pilot burner apparatus. G. A. Tuck. 2,042,688; June 2.
Pinning machine. C. A. Flood. 2,042,888; June 2.
Pipe welding apparatus. E. Thiemer. 2,043,020; June 2.
Piston. A. L. Nelson. 2,043,112; June 2.
Piston. F. G. Shoemaker. 2,043,013; June 2.
Piston packing. J. F. Wallace. 2,042,569; June 2.
Piston ring. L. D. Bax. 2,042,820; June 2.
Pitch, Coking. D. T. Smith. 2,042,639; June 2.
Pitch, Device for spreading. M. Walton. 2,043,188; June 2.
Pitot-static tube. C. H. Colvin. 2,042,700; June 2.
Plain bearing. N. A. Palmgren. 2,043,213; June 2.
Planter, Potato. G. Höfler and W. Seikel. 2,042,896. June 2.
Plants, Prevention of bark diseases in. G. Bergstrom. 2,042,579; June 2.
Plastic composition and compounding the same. A. F. Rowe. 2,042,795; June 2.
Plastic compositions and articles made therefrom. A. E. Brooks. 2,042,923; June 2.
Plastic for laminated safety glass. J. D. Ryan and G. B. Watkins. 2,042,486; June 2.
Plug: *See*—
Beater roll and Jordan plug. Cord terminal plug. Locking attachment plug.
Power system for elevators and the like. B. Henricksen. 2,042,937; June 2.
Power transmission mechanism. C. E. Diebold. 2,042,514; June 2.
Power transmitting device. A. B. Wood and H. W. Barnett. 2,042,573; June 2.
Press: *See*—
Baling press.
Pressing vehicle wheel. M. Winkler. 2,042,754; June 2.
Pricking or aerating implement. W. Hargraves. 2,042,697; June 2.
Printing machine. E. L. Mueller. 2,043,056; June 2.
Printing on irregular surfaces. H. H. Meyer. 2,042,476; June 2.
Projector slide. E. S. King. 2,042,604; June 2.
Prony brake. N. S. Bestoso. 2,043,147; June 2.
Protective system for furnaces. L. Meharg, J. H. Kaylor, and D. I. Rodenbaugh. 2,042,475; June 2.
Protector: *See*—
Hat protector.
Pulp and liquid pump. F. F. Victoria. 2,042,641; June 2.
Pump: *See*—
Pulp and liquid pump. Rotary pump.
Pump. W. B. Harsel. 2,042,784; June 2.
Pump and venturi meter, Drilled-well. W. L. Forward. 2,042,933; June 2.
Pump blower, or compressor and the like, Rotary. W. Kieser. 2,042,533; June 2.
Pump unit, Motor. R. T. Cornelius and N. F. Cornelius, Jr. 2,042,510; June 2.
Pyrophoric igniter. F. C. Wise and W. Greenwood. 2,042,572; June 2.
Rack: *See*—
Garment holding rack.
Rack for confections. M. Brasfield. 2,043,032; June 2.
Radio tube base. W. Makenny. 2,042,950; June 2.
Radio tuning device. N. Nelson. 2,042,956; June 2.
Railroad crossing signal. F. H. Carroll. 2,042,879; June 2.
Railway track gauge. A. E. Mauzin. 2,042,614; June 2.
Rayon, Producing. E. Kline. 2,042,944; June 2.
Razor, Safety. T. L. Smith and N. Testi. 2,043,124; June 2.
Receiving system. M. G. Crosby. 2,042,831; June 2.
Receptacle: *See*—
Coin receptacle.
Record, Reinforced phonograph. H. Reffelt and C. Cagnon. 2,042,631; June 2.
Recording, Noiseless. T. H. Nakken. 2,042,619; June 2.
Reel: *See*—
Endless film reel. Fishing reel.
Reel. A. Foukal. 2,043,197; June 2.
Refrigerating apparatus. D. G. Ellis. 2,042,517; June 2.
Refrigerating apparatus. F. O. Graham. 2,042,523; June 2.
Refrigerating apparatus and method. W. E. Carpenter. 2,043,190; June 2.
Refrigerating method and apparatus. W. E. Carpenter. 2,043,191; June 2.
Refrigerating apparatus and method. J. C. Goosmann. 2,043,163; June 2.
Refrigerating apparatus, Water-vapor. G. H. Woodard and J. Kirgan. 2,042,920; June 2.
Refrigerating machine. H. H. Bixler. 2,042,497; June 2.
Refrigeration apparatus. R. H. Tull and B. J. Homkes. 2,042,812; June 2.
Refrigeration system. C. D. Tuska. 2,042,568; June 2.
Regulator: *See*—
Balanced pressure regulator.
Relay system. S. H. Kast. 2,042,901; June 2.
Resins and making same, Synthetic. T. Sutter. 2,042,741; June 2.
Resins with other material, Mixing. L. W. Murray and R. L. Seabury. 2,042,679; June 2.
Resistor unit, Variable. P. Kotowski. 2,042,606; June 2.
Retaining means for piston pin roller bearings. F. G. Shoemaker. 2,043,014; June 2.
Reversing mechanism for power engines. A. Renner. 2,042,551; June 2.
Riders, Making. D. Marinsky. 2,042,541; June 2.
Ring: *See*—
Piston ring.
Ring and traveler for spinning and twisting frames. R. Ragan. 2,042,628; June 2.
Rivet-backing machine. E. Halin. 2,042,936; June 2.
Roll chuck assembly for rolling mills of the backed-up working roll type. H. H. Talbot. 2,042,871; June 2.
Rollers, Making printing. S. F. Damm. 2,043,154; June 2.
Rope and the like. S. A. Brazier and C. Hampson. 2,042,824; June 2.
Rosin, Retarding the crystallization of. J. N. Borglin. 2,042,877; June 2.
Rotary pump. F. E. Brady. 2,042,499; June 2.
Roughage mill. Holland-Letz. 2,042,946; June 2.
Rubber and method and apparatus for producing the same, Strip. C. W. Leguillon. 2,042,536; June 2.
Rubber dust, Hard. F. N. Pickett. 2,042,960; June 2.
Rubber suspension system. E. O. Schjolin. 2,043,011; June 2.
Rug anchoring device. D. B. Wurzburg. 2,042,692; June 2.
Rug, Tufted. A. J. Carter. 2,042,503; June 2.
Safety burner. H. L. Hirschler. 2,042,942; June 2.
Safety chain. H. D. Seebeck. 2,042,808; June 2.
Safety coil box. V. A. La Fave. 2,043,180; June 2.
Safety mixer. F. L. Craddock. 2,042,511; June 2.
Safety valve, Full area. A. K. Sorensen. 2,043,203; June 2.

Saturator for absorbent articles. S. P. Miller. 2,042,677; June 2.
Sausage casing. C. T. Walter. 2,042,644; June 2.
Sausage making process. C. H. Vogt. 2,043,132; June 2.
Saw tooth, Abrasive. R. N. S. Merritt. 2,043,184; June 2.
Scaffold for structural workers. C. D. Sutton. 2,043,128; June 2.
Scale, Automatic weighing. F. J. Quinn. 2,042,627; June 2.
Scarf holder. H. D. Seebeck. 2,042,807; June 2.
Scouring device. E. S. Bradford, Jr. 2,043,031; June 2.
Screen: *See*—
Window screen.
Sealing means for containers. J. M. Hothersall. 2,042,467; June 2.
Seepproof bag. C. W. Fry and H. L. Ruff. 2,042,594; June 2.
Self-starting synchronous motor. C. Finch. 2,043,160; June 2.
Semirigid unit and making the same, Preformed. H. H. Rinehart. 2,042,964; June 2.
Sewing accessory. E. G. Lewis. 2,042,947; June 2.
Sewing head. F. N. Ross and H. L. Johnson. 2,043,063; June 2.
Sewing looper mechanism. F. N. Ross and H. L. Johnson 2,043,064; June 2.
Sewing machine. H. F. Briggs. 2,043,149; June 2.
Sewing machine. R. N. and L. A. Cundall. 2,043,094; June 2.
Sewing machines, Differential feeding mechanism for. A. B. Clayton. 2,042,651; June 2.
Shear mechanism and method of causing sliding contact of the blades thereof. W. T. Honiss. 2,042,994; June 2.
Shingle, Metal roofing. J. and H. Fulenwider. 2,042,890; June 2.
Shock absorber, Hydraulic. T. A. and R. T. Killman. 2,042,664; June 2.
Shock absorption, Antishimmy and road. L. W. Shutts. 2,043,015; June 2.
Shower, Compartment. H. A. Mullett. 2,042,547; June 2.
Shutter control for a cooling system. L. G. Hartdorn. 2,042,842; June 2.
Shutter for accordions. S. Rabuazzo. 2,043,060; June 2.
Sign and operating it, Animated. G. B. Linderman, Jr. 2,043,200; June 2.
Signal: *See*—
Railroad crossing signal.
Signal control apparatus. M. F. Ketay. 2,043,000; June 2.
Signal translating and modulating system. H. A. Wheeler. 2,042,571; June 2.
Signaling device. P. Hermanspann. 2,042,939; June 2.
Signaling system for railroads. E. B. Kempster, Jr. 2,042,663; June 2.
Signaling system, Remote. A. J. Johnston. 2,042,532; June 2.
Silk, Manufacture of artificial. E. Hubert and A. Matthes. 2,042,787; June 2.
6-bromo-2,4-dinitraniline, Manufacture of. G. Reddelien and H. Ohlendorf. 2,042,630; June 2.
Ski tie. J. Maus. 2,042,543; June 2.
Slicing device. M. Johnson. 2,043,175; June 2.
Sludge digestion tank. M. Priess. 2,043,119; June 2.
Sodium carbonate salts, Making. H. Frasch. 2,042,709; June 2.
Sole plates for sadirons, Making. M. W. McArdle and J. W. Lynch. 2,042,953; June 2.
Soles to shoes, Attachment of. J. H. Richardson. 2,042,483; June 2.
Solution loss from liquid systems, Prevention. H. L. Cox. 2,042,830; June 2.
Sound, Apparatus for reproduction of. J. M. Hatfield. 2,043,167; June 2.
Sound attenuating device. R. B. Bourne. 2,043,030; June 2.
Sound system. J. H. Hammond, Jr. 2,042,990; June 2.
Spark adjuster, Automatic. H. J. De N. McCollum. 2,042,616; June 2.
Spectroscopic analysis and apparatus therefor, Quantitative. E. J. Martin. 2,043,053; June 2.
Speed gearing, Variable. E. G. Baer and A. B. Fisher. 2,042,577; June 2
Spider for lawn mower cutting reels. T. B. Funk. 2,043,098; June 2.
Spoon, Measuring. O. V. Lemay. 2,042,945; June 2.
Spout for bag filling. M. A. Nicolas. 2,042,858; June 2.
Spray head. R. W. Tracy. 2,042,746; June 2.
Spring. R. W. Cook. 2,043,152; June 2.
Spring device. W. E. Wine. 2,042,647; June 2.
Spring support for upholstered furniture, Sagless. S. S. Bernstein. 2,042,763; June 2.
Sput and attaching the same to sheet metal containers, Metal. A. E. Jesser. 2,043,101; June 2.
Stand and amplifier, Combined microphone. G. Sharpnack. 2,042,738; June 2.
Stapling machine. W. G. Pankonin. 2,042,958; June 2.
Starter for outboard motors, Self-. L. J. Harmon. 2,042,841; June 2.
Static eliminator. H. J. McCoy. 2,042,792; June 2.
Steam trap. W. K. Simpson. 2,043,074; June 2.
Steel member, Structural. A. Henderson. 2,042,463; June 2.
Steering mechanism for four-wheeled vehicles. R. B. Ransom. 2,042,482; June 2.
Stenciling machines and the like, Preselecting device for sheet-feeding mechanisms of. A. A. Roy. 2,042,734; June 2.
Stop for bag closing machines, Safety. H. F. Briggs. 2,042,827; June 2.
Storage battery. C. J. Dunzweiler and A. C. Zachlin. 2,042,515; June 2.
Storage battery. H. E. Haring. 2,042,840; June 2.
Stretch and compression testing device. W. T. Conn. 2,042,457; June 2.
Stretcher, Curtain. F. E. Acker. 2,042,874; June 2.
Stuff treatment machine and junk remover. C. P. Tolman and J. T. Coghill. 2,042,566; June 2.
Stuffing box. W. W. Williams. 2,042,691; June 2.
Substances such as phenolic materials, Apparatus for extracting. E. B. Kester. 2,043,103; June 2.
Sugar, Method and apparatus for recovering. S. C. Meredith, P. W. Alston, E. T. Winslow, and C. White. 2,042,724; June 2.
Sult, Bathing. P. Cunningham. 2,042,924; June 2.
Sulphonated products and producing them. E. A. Mauersberger. 2,042,952; June 2.
Sulphur dioxide, Reducing. H. F. Merriam. 2,043,202; June 2.
Sulphur from hydrogen sulphide and sulphur dioxide, Production of elemental. A. L. Ward, C. W. Jordan, and C. G. Milbourne. 2,043,084; June 2.
Supercharger for internal combustion engines. S. R. Puffer. 2,042,550; June 2.
Suspension, Pneumatic. R. Gouirand. 2,042,596; June 2.
Switch: *See*—
Electrical switch.
Switches, Operating mechanism for. H. J. L. Frank, J. A. Messing, and W. A. Harper. 2,042,777; June 2.
Switchgear, Metal enclosed. R. Paxton, G. M. Reed, and C. H. Hill. 2,043,113; June 2.
Tablet compressing machine. C. J. Westin and A. Donaghy, Sr. 2,043,086; June 2.
Tablet machine. C. J. Westin and C. J. Beck. 2,043,085; June 2.
Tail board for vehicles. B. M. Stannard. 2,042,911; June 2.
Talking device. E. Schwartz. 2,042,736; June 2.
Tank: *See*—
Sludge digestion tank.
Tank and operating the same, Glass. W. G. Koupal. 2,042,852; June 2.
Tank for liquid storage, Safety pressure. W. A. Sandberg. 2,043,071; June 2.
Tank vapor electric device, Metal. O. Krines. 2,042,535; June 2.
Tape perforator. H. L. Krum. 2,042,788; June 2.
Taping and folding machine. J. E. McIntire. 2,042,545; June 2.
Taping mechanism. L. R. MacLeod. 2,043,051; June 2.
Tappet. R. R. Facchini. 2,042,884; June 2.
Telephone accessory. A. M. Peters. 2,042,548; June 2.
Telephone system. R. B. Buchanan and L. A. Kille. 2,042,828; June 2.
Telephone system. R. L. Stokely. 2,042,561–2; June 2.
Telephone toll apparatus. G. A. Long. 2,043,201; June 2.
Telephone transmitter. A. F. Bennett. 2,042,821; June 2.
Telephone transmitter. A. F. Bennett and W. L. Tuffnell. 2,042,822; June 2.
Television system, Elastic wave. A. McL. Nicolson. 2,042,859; June 2.
Telltale device for games of skill. H. G. Breitenstein. 2,042,878; June 2.
Temperature of a catalytic reaction, Affecting a constant. B. M. Reynolds. 2,042,632; June 2.
Tension take-up device for knitting machines. W. D. Eaches. 2,042,834; June 2.
Testing apparatus. W. S. Magill. 2,042,538; June 2.
Testing device for liquids. E. S. Stephens. 2,043,127; June 2.
Therapeutic preparation. L. E. Harris. 2,043,211; June 2.
Thermal insulating structure. W. L. Stafford. 2,042,870; June 2.
Thermal insulator. J. Campbell and R. G. Quinn. 2,042,586; June 2.
Thermionic tube. H. J. Round. 2,042,554; June 2.
Thermometer. L. F. Chaney. 2,042,982; June 2.
Thermometer. H. R. Whittier. 2,043,087; June 2.
Thread, Compound elastic. L. Silverman. 2,042,910; June 2.
Thread, Spinning rayon. C. A. Huttinger. 2,042,529; June 2.
Ticket holder, Card or price. E. J. Baas. 2,042,760; June 2.
Tie plate, Railway. R. Hill. 2,042,464; June 2.
Tie retainer. L. E. Picolet. 2,042,961; June 2.
Time period annunciator. T. V. Anderson. 2,042,875; June 2.
Timer, Machine event. H. C. Foster. 2,043,162; June 2.
Tire cover construction. G. A. Lyon. 2,042,949; June 2.
Tire, Pneumatic. D. Freeman. 2,042,522; June 2.
Tire spreader and rim remover. P. E. Hawkinson. 2,043,169; June 2.
Tone control system for electrical sound reproduction. D. E. Foster. 2,043,161; June 2.

Tool: *See*—
Upper roughing tool.
Tool retainer. J. C. Curtis. 2,042,926; June 2.
Torpedo, Variable speed. J. H. Hammond, Jr. 2,042,987; June 2.
Toy airplane. J. L. Hunt. 2,042,715; June 2.
Tracing device. J. L. Anderson. 2,042,492; June 2.
Traffic control system, Centralized. R. C. Leake. 2,042,670; June 2.
Traffic controlling apparatus, Railway. R. A. McCann. 2,042,904; June 2.
Traffic controlling apparatus, Railway. P. F. Willard. 2,042,873; June 2.
Traffic controlling system for railroads, Centralized. E. O. Blodgett. 2,042,450; June 2.
Traffic controlling system for railroads, Centralized. T. J. Judge. 2,042,662; June 2.
Trailer for highway and railway travel. W. Dalton. 2,043,034; June 2.
Train dispatching system for railroads. R. C. Leake and R. M. Phinney. 2,042,668–9; June 2.
Transmission system. H. Cohn. 2,042,652; June 2.
Trap: *See*—
Animal trap. Steam trap.
Boiler return trap.
Tray and tray holder, Stencil. H. P. Elliott. 2,042,516; June 2.
Tube: *See*—
Collapsible tube. Thermionic tube.
Electron discharge tube. Velnous drain tube.
Pitot-static tube.
Tube connecting device. F. E. Key. 2,042,603; June 2.
Tubes made of paper or like material, Process and machine for the manufacture of. R. Jarrier. 2,042,531; June 2.
Tubes, Method and apparatus for cross-rolling. S. E. Diescher. 2,042,832; June 2.
Tubes, Producing seamless. M. Roeckner and J. Severin. 2,042,552; June 2.
Tubing head. W. N. Thompson. 2,042,745; June 2.
Tuyère for stokers. W. F. Rieger. 2,042,732; June 2.
Tweezers. A. B. Gardella. 2,042,985; June 2.
Typographical slug casting machine. C. A. Albrecht. 2,042,978; June 2.
Ultra violet lamp. H. C. Rentschler and J. W. Marden. 2,042,963; June 2.
Unloader, Magnetic. C. E. Ploeger. 2,043,058–9; June 2.
Upper roughing tool. J. F. Smith. 2,042,868; June 2.
Utensil, Cooking. E. J. Krinard. 2,043,045; June 2.
Utensil, Culinary. C. W. Hopes. 2,042,993; June 2.
Valve: *See*—
Flow regulating valve. Safety valve.
Valve. H. G. Beede. 2,043,027; June 2.
Valve. L. W. Eggleston. 2,043,194; June 2.
Valve. G. J. Henry. 2,042,845; June 2.
Valve mechanism of internal combustion engines. C. B. Redrup. 2,042,730; June 2.
Valve operating apparatus. A. B. Wood and H. W. Barnett. 2,042,574; June 2.
Valve seat grinding machine. F. O. Albertson. 2,042,759; June 2.
Vapor saturation, Method of and apparatus for producing. J. C. Harris, Jr. 2,042,991; June 2.
Variable condenser. M. Osnos. 2,042,957; June 2.
Vegetable material, Refining. W. Hentrich and F. H. von und zu Guttenberg. 2,042,938; June 2.
Vehicle. E. R. Greer. 2,042,780; June 2.
Vehicle identifying means, Motor. E. B. Wallace. 2,042,689; June 2.
Vehicle, Motor. E. B. Nevin. 2,043,057; June 2.
Vehicle, Rail-highway. E. Wanamaker. 2,043,134; June 2.
Vehicle wheel. J. H. Hunt. 2,042,714; June 2.
Velnous drain tube. F. M. James. 2,042,900; June 2.
Vending machine. B. W. Fry. 2,042,710; June 2.
Ventilator construction. A. P. Ball. 2,043,089; June 2.
Vessel, Double-walled. K. W. Mauser. 2,043,183; June 2.
Vibration dampener. E. E. Wemp. 2,042,570; June 2.
Volume control, Automatic. K. C. Black. 2,043,092; June 2.
Wall cooling. C. S. Hulton. 2,042,660; June 2.
Washer: *See*—
Lining washer.
Water block or dam forming device. R. H. Smith. 2,043,075; June 2.
Water from cyanid, Removing. E. J. Pranke. 2,042,549; June 2.
Water softener. G. W. Van Eweyk. 2,042,749; June 2.
Wear resistant qualities of a body, Improving the. J. A. Zublin. 2,043,142; June 2.
Weather strip. J. W. Ewing. 2,042,707; June 2.
Web roll controlling device. H. A. W. Wood. 2,042,919; June 2.
Welding. A. Krauss. 2,043,212; June 2.
Welding rod or wire. O. L. Howland. 2,042,899; June 2.
Well point. W. W. Lee. 2,042,790; June 2.
Wheel: *See*—
Buffing wheel. Pressing vehicle wheel.
Demountable wheel. Vehicle wheel.
Wheel for vehicles, Guide. L.-E.-W. Montrose-Oster. 2,042,622; June 2.
Wheel for vehicles, Pivoted. L.-E.-W. Montrose-Oster. 2,042,623; June 2.
Winch. C. C. Martin. 2,042,674; June 2.
Windmill, Variable pitch. E. J. Weible. 2,043,136; June 2.
Window. W. E. Dennis. 2,042,771; June 2.
Window, Detention. W. D. Bayley. 2,042,876; June 2.
Window, Detention. W. D. and E. D. Bayley. 2,043,207; June 2.
Window screen. J. A. Mueller. 2,042,726; June 2.
Windshield cleaner. E. C. Horton. 2,042,898; June 2.
Windshield cleaner. E. C. Horton and H. Hueber. 2,042,897; June 2.
Wing display device, Multiple. E. C. Hake. 2,042,656; June 2.
Wiper, Motor driven window. J. W. Cain. 2,042,456; June 2.
Wire tying machine. H. Harvey. 2,042,843; June 2.
Wires for electric lamps and similar devices, Apparatus for feeding. J. Flaws, Jr. and A. W. Seitz. 2,042,520; June 2.
Wood, Bending. A. Aalto. 2,042,976; June 2.
Wood, Treating. F. G. Bright. 2,042,826; June 2.
Wood veneers and the like, Coloring. F. G. Bright. 2,042,825; June 2.
Yarn carrier control mechanism for straight knitting machines. P. Schmidt. 2,043,214; June 2.
Yarns and fabrics and making same, Textile. W. Whitehead. 2,042,752; June 2.
Yarns and fabrics, Making colored textile. W. Whitehead. 2,042,751; June 2.

CLASSIFICATION OF PATENTS

ISSUED JUNE 2, 1936

NOTE.—First number—class, second number—subclass, third number—patent number

1— 3: 2,042,958
2— 60: 2,042,567
67: 2,042,924
115: 2,042,629
155: 2,042,903
2,043,055
278: 2,042,503
4— 146: 2,042,547
199: 2,043,088
5— 99: 2,043,072
8— 5: 2,042,751
2,042,752
2,042,802
6: 2,042,473
2,042,696
2,043,178
2,043,179
9— 22: 2,042,753
10— 12: 2,043,093
12— 1: 2,042,559
7: 2,042,518
55: 2,042,545
80: 2,042,479
141: 2,042,512
142: 2,042,483
14— 13: 2,042,973
15— 111: 2,042,706
120: 2,042,892
153: 2,042,803
209: 2,043,031
220: 2,042,546
253: 2,042,456
255: 2,042,897
16— 44: 2,042,525
80: 2,042,954
18— 2: 2,042,948
8: 2,042,529
2,042,743
15: 2,042,536
26: 2,042,975
47: 2,042,917
53: 2,042,960
54: 2,042,702
2,042,787
2,042,944
2,043,069
57: 2,043,172
60: 2,042,964
20— 1.11: 2,042,605
26: 2,042,731
49: 2,042,771
69: 2,042,707
21— 12: 2,042,825
2,042,826
22— 65: 2,042,800
81: 2,043,048
101: 2,042,907
23— 5: 2,042,665
63: 2,042,709
79: 2,042,549
119: 2,043,066
2,043,067
2,043,068
130: 2,042,478
132: 2,042,477
145: 2,042,814
150: 2,043,109
151: 2,042,451
175: 2,042,675
225: 2,043,064
226: 2,042,576
2,043,202
255: 2,042,646
267: 2,043,103
272.1: 2,042,818
273: 2,042,661
288: 2,042,468
2,042,469
2,042,632
2,042,922
24— 3: 2,042,808
49: 2,042,807
56: 2,042,961
136: 2,042,955
208: 2,042,866
215: 2,043,007
24— 255: 2,043,022
27— 2: 2,042,849
24: 2,042,900
29— 38: 2,042,502
2,042,555
51: 2,042,687
84: 2,042,835
148: 2,042,541
148.2: 2,043,101
152.2: 2,042,701
159.01: 2,042,754
163.5: 2,042,537
30— 11: 2,042,902
61: 2,043,124
32— 11: 2,043,028
33— 25: 2,042,492
32: 2,042,553
93: 2,042,885
144: 2,042,614
174: 2,042,538
181: 2,043,162
204: 2,043,168
34— 16: 2,042,918
18: 2,042,792
26: 2,042,592
35— 25: 2,042,697
36— 42: 2,043,177
37— 116: 2,042,460
40— 11: 2,042,813
70: 2,042,615
102: 2,042,656
125: 2,042,768
126: 2,043,209
130: 2,043,200
140: 2,042,508
41— 10: 2,042,905
42: 2,043,025
42— 2: 2,042,934
69: 2,042,613
43— 42: 2,043,001
90: 2,042,728
44— 17: 2,042,894
45— 24: 2,042,874
46— 76: 2,042,715
47— 1: 2,042,974
10: 2,043,173
58: 2,042,579
61: Pl.Pt.178
49— 214: 2,042,997
2,042,998
2,042,999
49— 14: 2,042,994
45: 2,042,610
48: 2,042,819
55: 2,042,521
56: 2,042,852
79: 2,043,029
80: 2,043,065
81: 2,042,485
2,042,486
50— 12: 2,042,781
51— 34: 2,043,017
193: 2,043,189
205: 2,042,916
241: 2,042,759
2,042,782
53— 1: 2,043,045
5: 2,042,773
6: 2,042,993
7: 2,042,655
20: 2,042,686
55— 103: 2,042,789
56— 249: 2,043,148
294: 2,042,854
2,043,098
60— 52: R. 19,992
2,042,727
97: 2,042,898
106: 2,042,838
62— 4: 2,042,568
2,042,812
2,043,058
2,043,059
91.5: 2,043,163
2,043,190
95: 2,043,191
62— 115: 2,042,497
119: 2,042,694
126: 2,042,493
2,042,507
2,042,558
141: 2,043,176
152: 2,042,920
64— 19: 2,042,608
21: 2,042,513
65— 15: 2,042,801
66— 130: 2,043,214
134: R. 19,995
147: 2,042,582
149: 2,042,834
67— 7.1: 2,042,572
68— 9: 2,042,640
69— 1: 2,042,868
70— 46: 2,042,867
47: 2,043,205
90: R. 19,993
71— 6: 2,043,009
72— 17: 2,042,487
35: 2,042,870
41: 2,042,992
61: 2,042,779
73— 1: 2,042,766
30: 2,042,767
52: 2,042,982
54: 2,042,471
62: 2,042,945
118: 2,043,087
167: 2,042,725
2,042,933
212: 2,042,700
74— 9: 2,042,514
14: 2,042,573
230.17: 2,043,008
311: 2,043,006
363: 2,042,577
367: 2,043,077
75— 93: 2,042,735
135: 2,042,635
137: 2,042,684
166: 2,042,625
76— 101: 2,042,953
108: 2,043,142
77— 4: 2,042,720
63: 2,043,125
78— 49: 2,042,716
53.5: 2,042,936
80— 55: 2,042,871
2,042,872
62: 2,042,552
2,042,832
81— 3.1: 2,043,144
53: 2,042,574
84— 294: 2,043,121
376: 2,043,060
87— 2: 2,042,877
88— 14: 2,042,526
2,043,053
16.2: 2,043,155
18.7: 2,042,599
24: 2,042,895
27: 2,042,815
56: 2,042,565
92: 2,043,019
89— 10: 2,043,117
14: 2,042,449
90— 4: 2,043,012
56: 2,042,847
91— 16: 2,042,671
25: 2,043,188
39: 2,043,145
46: 2,042,676
2,042,677
2,042,678
68: 2,042,588
2,042,638
2,042,857
2,043,110
2,043,137
70: 2,042,589
92— 9: 2,042,705
20: 2,042,465
92— 20: 2,042,566
22: 2,042,893
36: 2,043,181
38: R. 19,997
40: 2,042,501
93— 1: 2,042,851
6: 2,043,135
36: 2,043,104
49: 2,042,472
2,043,018
81: 2,042,531
88: 2,042,816
2,042,888
94— 18: 2,042,524
44: 2,042,837
95— 18: 2,042,983
97— 52: 2,042,597
2,042,981
55: 2,043,075
2,043,076
98— 2: 2,043,089
121: 2,042,617
99— 90: 2,043,139
103: 2,042,938
109: 2,043,132
129: 2,042,581
176: 2,042,644
100— 25: 2,042,612
101— 35: 2,042,476
47: 2,042,516
93: 2,042,959
269: 2,043,056
359: 2,042,769
365: 2,042,943
401.1: 2,043,154
102— 29.4: 2,042,461
103— 89: 2,042,641
95: 2,042,784
96: 2,042,499
234: 2,042,583
105— 8: 2,042,765
18: 2,042,914
75: 2,042,519
169: 2,042,622
2,042,623
215: 2,043,034
2,043,134
255: 2,042,528
106— 22: 2,042,679
2,042,923
25: 2,042,833
31: 2,043,037
37: 2,042,795
107— 1: 2,042,940
17: 2,043,085
2,043,086
108— 17: 2,042,890
110— 45: 2,042,732
112— 2: 2,043,063
98: 2,042,590
197: 2,043,064
200: 2,043,149
209: 2,042,651
215: 2,043,094
113— 59: 2,043,020
112: 2,043,212
114— 21: 2,042,987
72: 2,042,932
115— 1: 2,042,598
116— 32: 2,042,689
70: 2,043,126
117— 2: 2,042,824
20: 2,043,130
41: 2,043,051
57: 2,042,910
118— 59: 2,042,628
120— 33: R. 19,994
121— 32: 2,042,926
122— 235: 2,042,618
237: 2,042,643
371: 2,042,642
389: 2,043,150
123— 33: 2,043,146
41: 2,042,551
48: 2,042,969
52: 2,043,079
123— 71: 2,042,722
75: 2,042,967
76: 2,043,080
90: 2,042,730
2,042,884
119: 2,043,171
171: 2,043,170
174: 2,042,842
125— 22: 2,043,184
126— 272: 2,042,685
127— 14: 2,042,724
128— 2: 2,043,187
56: 2,043,114
100: 2,042,598
133: 2,043,153
203: 2,042,474
224: 2,043,005
283: 2,043,097
303.11: 2,043,083
354: 2,042,985
131— 51: 2,042,891
132— 49: 2,042,908
79: 2,042,584
136— 65: 2,042,840
81: 2,042,515
108: 2,042,806
137— 21: 2,043,071
53: 2,043,203
78: 2,042,860
103: 2,043,073
2,043,074
111: 2,043,108
139: 2,043,194
153: 2,042,523
156: 2,042,906
138— 43: 2,042,462
74: 2,042,883
79: 2,043,100
139— 34: 2,043,082
47: 2,043,165
224: 2,042,703
2,042,704
289: 2,042,708
337: 2,043,116
140— 93: 2,042,843
132: 2,042,520
144— 309: 2,042,839
2,042,976
2,043,026
146— 67: 2,043,216
79: 2,042,946
150: 2,043,175
148— 15: 2,042,527
149— 16: 2,042,495
150— 29: 2,042,682
2,042,793
2,042,941
49: 2,042,977
152— 13: 2,042,522
153— 1: 2,042,912
32: 2,042,856
154— 9: 2,042,498
45: 2,042,586
49: 2,042,692
55: 2,042,470
155— 7: 2,042,886
179: 2,042,763
198: 2,042,587
156— 14: 2,042,726
37: 2,043,043
157— 6: 2,043,199
158— 92: 2,042,735
96: 2,042,690
116: 2,042,798
117.1: 2,042,688
2,042,942
120: 2,043,106
159— 47: 2,042,488
164— 48: 2,042,829
49: 2,043,004
60: 2,042,509
83: 2,043,133
84: 2,042,965
166— 5: 2,042,790
14: 2,042,745
20: 2,042,817
167— 24: 2,042,712
56: 2,043,204
68: 2,043,211
88: 2,042,698
170— 68: 2,043,136
171— 34: 2,042,601
95: 2,043,107
252: 2,043,010
2,043,042
2,043,052
2,043,150
172— 36: 2,042,962
275: 2,043,160
173— 266: 2,043,044
268: 2,043,033
328: 2,042,491
330: 2,042,633
361: 2,042,580
175— 41.5: 2,042,556
2,042,957
183: R. 19,991
294: 2,042,901
2,042,925
2,043,069
298: 2,043,113
315: 2,043,038
366: 2,042,542
176— 1: 2,042,963
9: 2,043,023
26: 2,042,540
177— 7: 2,042,881
311: 2,042,667
2,043,000
2,043,054
346: 2,042,505
355: 2,043,210
380: 2,042,869
178— 6: 2,042,602
2,042,859
42: 2,042,788
45: 2,042,530
179— 1: 2,042,989
2,042,990
2,043,161
2: 2,042,532
2,042,652
6.3: 2,043,201
7.1: 2,042,561
43: 2,042,828
90: 2,042,562
100.1: 2,042,988
100.3: 2,042,619
115.5: 2,042,966
122: 2,042,821
2,042,822
147: 2,042,738
171: 2,042,748
180— 54: 2,043,057
75: 2,043,185
77: 2,042,616
181— 0.5: 2,042,761
2,043,030
184— 6: 2,042,681
185— 37: 2,043,122
40: 2,043,096
41: 2,042,841
188— 71: 2,042,624
2,042,850
72: 2,042,809
88: 2,042,664
90: 2,042,563
2,043,039
92: 2,042,539
195: 2,042,649
2,043,040
210: 2,042,740
218: 2,042,654
264: 2,042,750
189— 34: 2,042,721
2,042,797
37: 2,042,463
46: 2,043,174
49: 2,043,196
64: 2,042,876
2,043,207

189— 75: 2,043,049
191— 55: 2,042,553
192— .01: 2,042,717
2: 2,042,762
2,042,937
68: 2,042,570
105: 2,042,454
127: 2,042,827
193— 8: 2,042,500
196— 9: 2,042,452
13: 2,042,995
23: 2,042,557
42: 2,042,718
96: 2,042,448
2,043,016
116: 2,043,095
198— 127: 2,042,794
199— 61: 2,042,978
200— 37: 2,042,875
51: 2,042,680
52: 2,042,915
59: 2,042,863
2,043,158
81: 2,042,695
113: 2,042,756
2,042,865
114: 2,042,777
117: 2,043,024
201— 50: 2,042,606
63: 2,043,195
67: 2,043,196
76: 2,042,971
2,042,972
202— 6: 2,042,639
61: 2,042,713
205: 2,042,711
204— 1: 2,042,611
4: 2,042,501
24: 2,042,758
2,042,775
2,042,776
2,042,887
25: 2,042,534
32: 2,043,217

206— 8: 2,042,889
16: 2,042,693
2,043,046
31: 2,042,799
37: 2,042,699
44: 2,042,980
51: 2,043,118
56: 2,042,996
79: 2,042,672
2,043,070
208— 154: 2,042,861
184: 2,042,543
209— 166: 2,043,192
205: 2,043,115
210— 2: 2,043,119
24: 2,042,749
120: 2,042,564
170: 2,042,921
211— 77: 2,042,637
93: 2,042,517
181: 2,043,032
182: 2,043,036
213— 60: 2,043,090
215— 11: 2,043,186
29: 2,043,138
219— 8: 2,042,504
2,042,899
19: 2,042,595
2,042,742
34: 2,042,855
39: 2,043,002
220— 9: 2,043,183
39: 2,042,467
221— 12: 2,042,772
23: 2,042,459
47.3: 2,042,744
2,042,970
60: 2,042,836
95: 2,043,035
98: 2,042,455
120: 2,042,739
129: 2,042,896
223— 92: 2,042,846
224— 29: 2,042,949

225— 26: 2,042,928
226— 11: 2,043,156
2,043,157
88: 2,042,733
94: 2,042,453
229— 23: 2,042,796
51: 2,043,129
55: 2,042,594
230— 18: 2,042,510
58: 2,043,215
95: 2,043,027
116: 2,042,533
127: 2,042,550
130: 2,042,495
208: 2,042,991
211: 2,042,673
232— 44: 2,042,844
233— 23: 2,043,131
235— 26: 2,043,021
60: 2,042,909
81: 2,042,986
236— 69: 2,042,609
238— 8: 2,042,805
353: 2,042,464
240— 100: 2,043,193
102: 2,042,634
241— 8: 2,043,061
242— 46.3: 2,042,968
58: R. 19,996
2,042,919
75: 2,043,208
77: 2,043,197
84.4: 2,042,737
137: 2,042,947
244— 21: 2,042,466
246— 3: 2,042,450
2,042,650
2,042,662
2,042,663
2,042,668
2,042,669
2,042,670
41: 2,042,904
114: 2,042,873

246— 136: 2,042,659
295: 2,042,879
247— 1: 2,043,180
3: 2,042,778
15: 2,042,620
248— 26: 2,042,666
33: 2,042,760
69: 2,042,804
101: 2,042,858
226: 2,043,041
350: 2,042,548
249— 2: 2,042,627
250— 1: 2,042,490
11: 2,042,939
20: 2,042,571
2,042,636
2,042,831
2,042,956
2,043,062
2,043,092
27.5: 2,042,506
2,042,535
2,042,554
2,042,607
2,042,929
2,042,935
2,042,950
2,042,951
33: 2,042,931
36: 2,042,864
251— 50: 2,042,845
252— 2: 2,042,657
5: 2,042,830
254— 100: 2,043,140
108: 2,043,141
172: 2,042,480
2,042,481
186: 2,042,674
255— 45: 2,042,927
257— 79: 2,043,143
92: 2,042,979
259— 96: 2,042,880
101: 2,042,578
102: 2,042,791

259— 103: 2,042,511
260— 3: 2,042,741
2,043,159
12: 2,042,810
37: 2,043,078
44: 2,043,164
60: 2,042,683
2,042,757
64.5: 2,043,199
99.10: 2,042,600
99.12: 2,042,747
99.30: 2,043,081
99.40: 2,042,585
100: 2,042,484
106: 2,042,458
110: 2,042,658
122: 2,042,729
127: 2,042,621
130.5: 2,042,630
151: 2,042,862
154: 2,043,102
159: 2,042,952
261— 50: 2,042,913
75: 2,042,770
263— 15: 2,042,475
22: 2,042,494
44: 2,042,560
2,042,660
265— 11: 2,043,127
17: 2,042,457
24: 2,043,147
266— 38: 2,042,626
267— 1: 2,043,152
9: 2,042,647
21: 2,043,011
38: 2,042,853
54: 2,042,811
2,043,015
271— 21: 2,042,734
44: 2,042,719
272— 69: 2,042,764
273— 96: 2,042,544
2,042,984
106: 2,043,105

273— 119: 2,042,723
121: 2,042,786
2,042,878
134: 2,042,645
138: 2,043,166
141: 2,042,604
142: 2,043,047
152: 2,042,930
274— 1: 2,042,736
5: 2,043,167
44: 2,042,631
275— 5: 2,043,151
279— 16: 2,042,648
280— 44: 2,042,489
80: 2,042,780
91: 2,042,482
124: 2,042,596
282— 22: 2,042,823
26: 2,043,182
285— 145: 2,042,603
286— 11: 2,042,691
287— 87: 2,043,111
290— 38: 2,042,755
296— 28: 2,043,050
57: 2,042,911
299—140.1: 2,042,746
301— 9: 2,042,774
2,043,123
62: 2,042,714
304— 13: 2,043,128
306— 41: 2,043,003
308— 47: 2,043,091
65: 2,042,783
122: 2,043,213
186: 2,043,014
187: 2,042,575
189: 2,042,882
309— 13: 2,043,112
19: 2,043,013
31: 2,042,569
2,042,820
312— 1: 2,042,848
35: 2,042,710

U. S. GOVERNMENT PRINTING OFFICE: 1939

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A. P. W. Paper Company, Inc., Albany, N. Y. Paper towels. Serial No. 376,183; June 9. Class 37.

Abrams & Linden, Inc., New York, N. Y. Ladies' fur coats. Serial No. 376,882; June 9. Class 39.

Alanson Hats, Inc., New York, N. Y. Hats. Serial No. 376,789; June 9. Class 39.

Alba Pharmaceutical Company, Inc., New York, N. Y. Cholagogue, biliary antiseptic, and anti-spasmodic. Serial No. 376,366; June 9. Class 6.

Alba Pharmaceutical Company, Inc., New York, N. Y. Preparation for use in the treatment of obesity. Serial No. 376,367; June 9. Class 6.

Alba Pharmaceutical Company, Inc., New York, N. Y. Preparation for use in the treatment of cardial and vascular disturbances. Serial No. 376,368; June 9. Class 6.

Alba Pharmaceutical Company, Inc., New York, N. Y. Analgesic. Serial No. 376,369; June 9. Class 6.

Alliance Silk Co., New York, N. Y. Silk, linen, rayon, and foulard fabrics in the piece. Serial No. 377,530; June 9. Class 42.

American Medicinal Spirits Corporation, The, Louisville, Ky. Whiskey. Serial No. 377,566; June 9. Class 49.

American Patents Corporation, Washington, D. C. Periodical. Serial No. 377,077; June 9. Class 38.

American Steel Package Company, The, Defiance, Ohio. Variable condensers. Serial No. 377,297; June 9. Class 21.

Anker Kraft Company. (See Pazane, Thomas.)

Ansbacher-Hagerstown Chemical Corporation, Hagerstown, Md. Oils for use as agricultural insecticidal sprays. Serial Nos. 376,321–3; June 9. Class 6.

Apola Extract & Syrup Corporation, New York, N. Y. Beverages and extracts and syrups used in making the same. Serial No. 375,003; June 9. Class 45.

Appleton Coated Paper Co., The, Appleton, Wis. Shelf and lining paper. Serial No. 376,114; June 9. Class 37.

Auburn Foundry, Inc., Auburn, Ind. Stokers. Serial No. 375,834; June 9. Class 34.

Ault & Wiborg Corporation, Cincinnati, Ohio. Liquid having solvent and stabilizing properties. Serial No. 376,030; June 9. Class 16.

Aviation Club of the City of New York, Inc., doing business as The Contact Publishing Company, New York, N. Y. Biweekly publication. Serial No. 373,159; June 9. Class 38.

Axton Fisher Tobacco Co., The, Louisville, Ky. Cigarettes. Serial No. 376,566; June 9. Class 17.

Bartmann & Bixer, Inc., New York, N. Y. Curtains. Serial No. 377,450; June 9. Class 42.

Beckman-Dawson Roofing Company, New York, N. Y. Composition roofing and siding in the form of shingles, shingle strips, etc. Serial No. 373,945; June 9. Class 12.

Bianchini Ferier, Inc., New York, N. Y. Silk piece goods. Serial No. 377,569; June 9. Class 42.

Bin-Dicator Company, The. (See Schemm, Henry R.)

Boutillier, Delaurière & Co., Cognac, France. Cognac. Serial No. 377,453; June 9. Class 49.

Bradley Company, Milton, Springfield, Mass. Game apparatus. Serial No. 377,494; June 9. Class 22.

Bresduck, Inc., New York, N. Y. Razors, shears, knives of base metal, etc. Serial No. 367,490; June 9. Class 23.

British Motors, Ltd., doing business as S. S. Cars, Ltd., New York, N. Y. Automobiles and structural parts thereof. Serial No. 373,946; June 9. Class 19.

Brown, Dana W., doing business as The Lincoln Coffee Company, Detroit, Mich. Tea. Serial No. 374,147; June 9. Class 46.

Burndy Engineering Company, Inc., New York, N. Y. Bimetallic sheet metal. Serial No. 376,933; June 9. Class 14.

Burns, Judson C., Inc., Philadelphia, Pa. Electrically driven oil burners, oil furnaces. Serial No. 374,578; June 9. Class 34.

Burroughs Wellcome & Co. (U. S. A.) Inc., New York, N. Y. Periodical publication. Serial No. 376,458; June 9. Class 38.

Byron Jackson Co., Huntington Park, Calif. Oil-well tools. Serial No. 377,347; June 9. Class 23.

Cabassa, Luis G., Santurce, San Juan, P. R. General tonic. Serial No. 376,333; June 9. Class 6.

Camlin Corset Co., Inc., New York, N. Y. Corsets. Serial No. 376,713; June 9. Class 39.

Campbell Co., Inc., New York, N. Y. Piece goods. Serial No. 377,211; June 9. Class 42.

Cannizzaro Wine Co., Inc., New York, N. Y. Wines. Serial No. 366,686; June 9. Class 47.

Cannon Shoe Company, Baltimore, Md. Shoes. Serial No. 377,333; June 9. Class 39.

Carson Pirie Scott and Company, Chicago, Ill. Carpets, rugs, bed-spreads, etc. Serial No. 377,349; June 9. Class 42.

Carter & Churchill Company, Lebanon, N. H. Coats, mackinaws, shirts, etc. Serial Nos. 376,263–4; June 9. Class 39.

Champion Fibre Company, The, Canton, N. C. Tanning extracts. Serial No. 376,426; June 9. Class 6.

Chandlee Corp., Baltimore, Md. Cooling and dispensing apparatus for carbonated beverages. Serial No. 376,335; June 9. Class 31.

Chartered Institute of American Inventors, Washington, D. C. Periodical. Serial No. 376,943; June 9. Class 38.

Chase Bag Company, New York, N. Y. Bags. Serial No. 375,971; June 9. Class 2.

Chase, Cedric G., Photographic Laboratories, Inc., Waltham, Mass. Photographic prints. Serial No. 377,040; June 9. Class 38.

Clavieres, Maurice, doing business as Les Successeurs de F. Cazanove, Bordeaux, France. Cordials and liqueurs. Serial No. 376,716; June 9. Class 49.

Clawson, Ada F., Los Angeles, Calif. Dresses, vests, panties, etc. Serial No. 372,203; June 9. Class 39.

Compania Ron Bacardi, S. A., Santiago, Cuba. Rum. Serial No. 369,602; June 9. Class 49.

Constable, Arnold, & Co., Inc., New York, N. Y. Dresses, suits, coats, etc. Serial No. 375,744; June 9. Class 39.

Contact Publishing Company, The. (See Aviation Club of the City of New York.)

Curtiss Candy Company, The, Chicago, Ill. Candy. Serial No. 374,077; June 9. Class 46.

Curvon Corporation, The, New York, N. Y. Wool fringed steamer rugs, driving rugs, and pram rugs. Serial Nos. 376,194–5; June 9. Class 42.

De Kalb Agricultural Association, De Kalb, Ill. Seed corn. Serial No. 375,043; June 9. Class 1.

Deshell Laboratories, Inc., Chicago, Ill. Vegetable laxative. Serial No. 376,382; June 9. Class 6.

Dodge Textile Company, Inc., Providence, R. I. Aprons. Serial No. 377,182; June 9. Class 39.

Donnelly Garment Company, Kansas City, Mo. Dresses and frocks, aprons and smocks. Serial No. 376,267; June 9. Class 39.

Duprint Corporation, New York, N. Y. Photocopy apparatus and the like, including parts of said apparatus. Serial No. 373,954; June 9. Class 26.

Eagle-Picher Lead Company, The, Cincinnati, Ohio. Roof flanges. Serial No. 376,898; June 9. Class 12.

Eastyarn, Inc., Brooklyn, N. Y. Yarns. Serial No. 377,388; June 9. Class 43.

Eaton Paper Corporation, Pittsfield, Mass. Papeteries. Serial No. 376,899; June 9. Class 37.

Empire Paint Company. (See Glidden Company, The.)

Essley Shirt Company Inc., New York, N. Y. Shirts. Serial No. 377,044; June 9. Class 39.

Etablissements G. Grey. (See Grey, G.)

Everhot Products Co. (See Friedman, Isidore C.)

Exchange Orange Products Company, The, Ontario, Calif. Concentrated citrus juices, canned citrus juices, citrus juice syrups, etc. Serial No. 373,822; June 9. Class 46.

F. C. Oil Company m. b. H., Hamburg, Germany. Lubricating oils and greases. Serial No. 376,468; June 9. Class 15.

Feinberg, Michael, doing business as Feinberg Kosher Sausage Company, Minneapolis, Minn. Sausage. Serial No. 373,337; June 9. Class 46.

First Textile Corporation, The, New York, N. Y. Piece goods. Serial Nos. 375,702–3; June 9. Class 42.

5¢ Cup Inc. of New Jersey, The, Edgewater, N. J. Preserved food products. Serial No. 368,523; June 9. Class 46.

Fleming Manufacturing Company, Inc., Worcester, Mass. Oil filters and parts. Serial No. 373,168; June 9. Class 23.

Flex-Arch Shoes, Inc., New York, N. Y. Shoes. Serial No. 375,502; June 9. Class 39.

Floray Products, Inc., Cincinnati, Ohio. Candy for decorating cakes, desserts, salads, etc. Serial No. 370,657; June 9. Class 46.

Ford Hopkins Co., Chicago, Ill. Razor blades. Serial No. 376,723; June 9. Class 23.

Fox, Joseph H., Long Island City, N. Y. Mirrors. Serial No. 376,755; June 9. Class 32.

Fram Oil Filter Company, Providence, R. I. Oil filters for automotive engines. Serial No. 374,582; June 9. Class 23.

Friedman, Isidore C., doing business as Everhot Products Co., Chicago, Ill. Vehicle hot water heater repair parts. Serial No. 370,251; June 9. Class 19.

Friedman, J., Co. Inc., New York, N. Y. Men's overcoats and topcoats. Serial No. 377,351; June 9. Class 39.

Fyfe, R. H., & Co., Detroit, Mich. Boots, shoes, and slippers. Serial Nos. 375,432–3; June 9. Class 39.

Gates Rubber Company, The, Denver, Colo. Rubber hose, tire repair patches, brake linings, etc. Serial No. 375,881; June 9. Class 35.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

General Desserts Corporation, New York, N. Y. Coffee concentrate. Serial No. 376,430; June 9. Class 46.
General Electric Company, Schenectady, N. Y. Electric lamps. Serial No. 376,470; June 9. Class 21.
General Electric Company Limited, The, London, England. Refrigerators, ice cream freezing machines, ice cream freezers, etc. Serial No. 374,291; June 9. Class 31.

Gid Laboratories, Chicago, Ill. Gastric intestinal demulcent. Serial No. 375,243; June 9. Class 6.
Glaser Bros., San Francisco, Calif. Rum, whiskey, gin, etc. Serial No. 377,503; June 9. Class 49.
Glidden Company, The, doing business as Empire Paint Company, Cleveland, Ohio. Paints, paint enamels, varnishes, etc. Serial No. 376,181; June 9. Class 16.
Glorious Sportswear Corp., New York, N. Y. Dresses. Serial No. 376,045; June 9. Class 39.
Green Mountain Dairy Products, Inc., Burlington, Vt. Butter. Serial No. 367,716; June 9. Class 46.
Grey, G., doing business as Etablissements G. Grey, Antwerp, Belgium. Anchor bolts, bolt anchors, and expansion wall plugs. Serial No. 374,410; June 9. Class 13.

Haucke, Oswin, Brooklyn, N. Y. Indicating devices. Serial No. 376,205; June 9. Class 26.
Hayes, Orrin B., Inc., Kalamazoo, Mich. Automobiles and trucks and structural parts thereof. Serial No. 361,206; June 9. Class 19.
Hedaya Importing Co., New York, N. Y. Handkerchiefs and table linens. Serial No. 376,724; June 9. Class 42.

Hixon, Samuel S., Washington, D. C. Electrical sound detector and amplifier for assemblage uses. Serial No. 376,722; June 9. Class 21.
Holsum Bakery, The. (See Long, W. E., Co., The.)
Huebscher, John J., Minneapolis, Minn. Devices for use in speed control systems. Serial No. 373,789; June 9. Class 23.
Hydro-Air Corporation, New York, N. Y. Air conditioning units and systems. Serial No. 376,124; June 9. Class 34.

Insulite Company, The, Minneapolis, Minn. Fiber composition board and sheathing. Serial No. 377,354; June 9. Class 12.
Jolly Kids Garment Mfg. Co., Belding, Mich. Infants' and children's play suits, pajamas, coats, etc. Serial No. 377,309; June 9. Class 39.
Josselson Bros., Inc., Ashland, Ky. Whiskey, gin, rum, etc. Serial No. 378,046; June 9. Class 49.
Justin, H. J., & Sons, Incorporated, Fort Worth, Tex. Leather boots. Serial No. 376,350; June 9. Class 39.
Kaufmann, Cecil D., Washington, D. C. Finger rings. Serial No. 377,225; June 9. Class 28.
Kenilworth Mfg. Co., Inc., New York, N. Y. Women's suits, shorts, slacks, etc. Serial No. 376,594; June 9. Class 39.

Kensett, Thomas, & Company. (See Roberts, Roy E.)
Kentucky Horseman Publishing Company, Inc., The, Lexington, Ky. Monthly magazine. Serial No. 375,889; June 9. Class 38.
King Features Syndicate, Inc., New York, N. Y. Cartoons. Serial No. 377,004; June 9. Class 38.
Lancaster Cigars Inc., Red Lion, Pa. Cigars, cigarillos, stogies, etc. Serial No. 376,477; June 9. Class 17.
Lancaster Inc., Los Angeles, Calif. Vitamin D concentrate to be added to foods. Serial No. 370,108; June 9. Class 46.
Lang, Gerhard, Brewery, Buffalo, N. Y. Beer. Serial No. 376,757; June 9. Class 48.
Laucks, I. F., Inc., Seattle, Wash. Glue. Serial No. 377,637; June 9. Class 5.
Lee, Alfred A., Dayton, Ohio. Bung plugs for kegs. Serial No. 376,681; June 9. Class 50.
Les Successeurs de F. Cazanove. (See Clavieres, Maurice.)
Leterstone Sales Company, Chicago, Ill. Spark indicators for automobiles. Serial No. 376,764; June 9. Class 21.
Levin, William, doing business as William Levin Knitting Mills, New York, N. Y. Jerseys, sweat shirts, basketball shirts, etc. Serial No. 367,359; June 9. Class 39.
Lincoln Coffee Company, The. (See Brown, Dana W.)
Livoti, Charles, doing business as Chas. Livoti Co., Roseville, Calif. Wine. Serial No. 375,153; June 9. Class 47.

Long, W. E., Co., The, doing business as The Holsum Bakery, Chicago, Ill. Bread. Serial Nos. 376,808–11; June 9. Class 46.
Lord-Mott Company. (See Roberts, Roy E.)
Los Angeles Knitting Mills, Ltd., Hollydale, and Los Angeles, Calif. Knitted suits, dresses, and sweaters. Serial No. 376,636; June 9. Class 39.
Magazine Publishers, Inc., New York, N. Y. Magazine. Serial No. 375,395; June 9. Class 38.
Magic Screen Inc., New York, N. Y. Articles for viewing pictures. Serial No. 377,402; June 9. Class 26.
Maison, Blanche Company, New Orleans, La. Men's linen suits. Serial No. 377,088; June 9. Class 39.
Mandee Fabrics, Inc., New York, N. Y. Textile fabrics. Serial No. 376,638; June 9. Class 42.

Medusa Portland Cement Company, Cleveland, Ohio. Masonry cement. Serial No. 375,021; June 9. Class 12.
Mennen Company, The, Newark, N. J. Talcum powder. Serial No. 376,095; June 9. Class 6.
Middleby, Joseph, Jr., Inc., Boston, Mass. Baking powder. Serial No. 377,553; June 9. Class 46.
Miller-Bryant-Pierce Company, The, Aurora, Ill. Carbon paper and typewriter ribbons. Serial No. 377,697; June 9. Class 11.
Miller, John H., doing business as Miller Bros., Baltimore, Md. Whiskey, gin, rum, etc. Serial No. 377,930; June 9. Class 49.
Minkow, Robert, Machine Company, New York, N. Y. Paper box making machinery and paper box printing machinery and parts therefor. Serial No. 362,521; June 9. Class 23.
Modern Equipment Corporation, Defiance, Ohio. Garage and service station equipment. Serial No. 375,594; June 9. Class 23.
Moore, Walton N., Dry Goods Company, Inc., San Francisco, Calif. Skirts, slacks, sweaters, etc. Serial No. 376,296; June 9. Class 39.
Mugge, E., Company, Incorporated, Tampa, Fla. Whiskey, gin, rum, etc. Serial No. 377,932; June 9. Class 49.

Murchert-Reeves & Company, Trenton, N. J. Canned vegetables and mayonnaise. Serial No. 363,563; June 9. Class 46.
National Coast Products Corporation, Swedesboro, N. J. Canned dog and cat food. Serial Nos. 377,316–17; June 9. Class 46.
National Trav-O-Tel System, Tulsa, Okla. Electrical road signs. Serial No. 361,687; June 9. Class 21.
Neff, Joseph J., Rock Island, Ill. Men's suits, topcoats, and overcoats. Serial No. 377,410; June 9. Class 39.
Northern Paper Mills, Green Bay, Wis. Toilet tissue paper. Serial No. 376,744; June 9. Class 37.
Novitiate of Los Gatos, Los Gatos, Calif. Wines. Serial No. 370,624; June 9. Class 47.
Old South Brewing Company, Inc., Statesville, N. C. Beer and ale. Serial No. 376,359; June 9. Class 48.
Oneida Ltd., Sherrill and Oneida, N. Y., and Northampton, Mass. Silver plated tableware and cutlery. Serial No. 377,519; June 9. Class 28.
Onzounoff, Paul, New York, N. Y. Textile fabrics. Serial No. 377,126; June 9. Class 42.
Owens-Illinois Glass Company, Toledo, Ohio. Glass building blocks. Serial No. 370,626; June 9. Class 12.
Pacific Packing Co., Oakdale, Calif. Canned spinach. Serial No. 376,003; June 9. Class 46.
Parker Hosiery Mill & Dye Works, Inc., Portsmouth, Va. Hosiery. Serial No. 376,062; June 9. Class 39.
Pazane, Thomas, doing business as Anker Kraft Company, Brooklyn, N. Y. Paper bags. Serial Nos. 377,936–7; June 9. Class 2.
Pearl, Jacob E., doing business as Pearl Yarn Company, New York, N. Y. Yarns of cotton, wool, worsted, etc. Serial No. 376,180; June 9. Class 43.
Periodical House, Inc., New York, N. Y. Magazine. Serial No. 375,397; June 9. Class 38.
Personna Blade Co. Inc., New York, N. Y. Razor blades. Serial No. 376,300; June 9. Class 23.
Peter Manufacturing Corporation, Pittsburgh, Pa. Fertilizer. Serial No. 375,661; June 9. Class 10.
Pierce & Hebner, Incorporated, Baltimore, Md. Whiskey, gin, brandy, etc. Serial No. 377,938; June 9. Class 49.
Powers Mercantile Company, Minneapolis, Minn. Turpentine. Serial No. 377,886; June 9. Class 16.
Preferred Electric & Wire Corp., Brooklyn, N. Y. Ignition devices for automobiles. Serial No. 375,897; June 9. Class 21.
Pro-Phy-Lac-Tic Brush Company, Northampton, Mass. Tooth brushes. Serial Nos. 376,912–13; June 9. Class 29.

Pro-Phy-Lac-Tic Brush Company, Northampton, Mass. Tooth brushes. Serial No. 376,915; June 9. Class 29.
Public Ledger, Inc., Philadelphia, Pa. Newspaper column. Serial Nos. 376,775–6; June 9. Class 38.
Quigley Company, Inc., New York, N. Y. Refractory protective coating. Serial No. 375,664; June 9. Class 12.
Quigley Company, Inc., New York, N. Y. Refractory mortar. Serial No. 375,666; June 9. Class 12.
Riverside Underwear Co., New York, N. Y. Boy's shirts and blouses. Serial No. 377,234; June 9. Class 39.
Roberts, Lewis, Newark, N. J. Printing inks. Serial No. 377,714; June 9. Class 11.
Roberts, Roy E., doing business as Thomas Kensett & Company and Lord-Mott Company, Baltimore, Md. Canned dog food. Serial No. 374,341; June 9. Class 46.
Robinson Manufacturing Company, Everett, Wash. Lumber, flooring, siding, etc. Serial No. 364,073; June 9. Class 12.
Rondeau, H. O., Shoe Co., Inc., Farmington, N. H. Ladies' and misses' shoes. Serial No. 375,060; June 9. Class 39.
Rosner, Irving, New York, N. Y. Brassières, corsets, girdles, etc. Serial No. 377,082; June 9. Class 39.
S. S. Cars, Ltd. (See British Motors, Ltd.)

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Saks & Company, New York, N. Y. Corsets. Serial No. 377,235; June 9. Class 39.
Sanford Manufacturing Co., Chicago, Ill. Writing inks. Serial No. 376,864; June 9. Class 11.
Sapolin Co. Inc., New York, N. Y. Enamel paints. Serial No. 377,942; June 9. Class 16.
Scharff, Joseph H., Nutley, N. J. Temperature controlled electrically actuated automatic fire detecting and fire alarm apparatus. Serial No. 376,960; June 9. Class 21.
Schemm, Henry R., doing business as The Bin-Dicator Company, Detroit, Mich. Bin or tank level indicators. Serial No. 377,422; June 9. Class 26.
Schleicher, Francis G., doing business as F. Grant Schleicher, Long Island City, N. Y. Printer's ink. Serial No. 377,647; June 9. Class 11.
Sears, Roebuck and Co., Chicago, Ill. Bloomers, panties, vests, etc. Serial No. 376,303; June 9. Class 39.
Servall Druggists Alliance, Columbus, Ohio. Medicinal and toilet preparations. Serial No. 375,272; June 9. Class 6.
Shillman, A. & H., Company, Inc., Baltimore, Md. Yarns and threads for needle work. Serial No. 377,172; June 9. Class 43.
Siegel Bros. Kiki Maid Koats Inc., New York, N. Y. Girls', juniors', misses', etc., suits and coats. Serial No. 376,612; June 9. Class 39.
Sisselman Bros., Inc., New York, N. Y. Ladies' and misses' coats and suits. Serial No. 376,697; June 9. Class 39.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricating oils. Serial No. 377,067; June 9. Class 15.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Lubricating oil. Serial No. 377,284; June 9. Class 15.
Southwest Grease & Oil Company, Wichita, Kans. Lubricating oils and greases. Serial No. 374,389; June 9. Class 15.
Staley, A. E., Manufacturing Company, Decatur, Ill. Calender starch. Serial No. 376,454; June 9. Class 6.
Star Watch Case Co., Ludington, Mich. Watch cases. Serial No. 376,306; June 9. Class 27.
Steinberg Brothers, New York, N. Y. Ladies' gloves. Serial No. 364,611; June 9. Class 39.
Stephens, W. E., Manufacturing Company, Inc., Nashville, Watertown, and Pulaski, Tenn. Work shirts. Serial No. 368,867; June 9. Class 39.
Stewart-Warner Corporation, Chicago, Ill. Oil cups. Serial No. 376,230; June 9. Class 23.
Taylor Instrument Companies, Rochester, N. Y. Thermometers. Serial No. 376,650; June 9. Class 26.
Texas Company, The, New York, N. Y. Lubricating oils. Serial No. 377,069; June 9. Class 15.
Union Waste Company, Inc., Philadelphia, Pa. Wiping cloths, wiping towels, and wiping waste. Serial No. 375,865; June 9. Class 29.

Vadsco Sales Corporation, Long Island City, N. Y. Astringents, astringent cerates, beauty creams, etc. Serial Nos. 376,504–6; June 9. Class 6.
Vadsco Sales Corporation, Long Island City, N. Y. Astringents, astringent cerates, beauty creams, etc. Serial Nos. 376,508–12; June 9. Class 6.
Van Molon, Inc., Philadelphia, Pa. Tablets used in relieving sour stomach, heartburn, and indigestion. Serial No. 375,525; June 9. Class 6.
Venard, Harold J., Chicago, Ill. Perfumes. Serial No. 375,737; June 9. Class 6.
Vickers, Incorporated, Detroit, Mich. Pumps, hydraulic presses, machine tools, etc. Serial No. 352,805; June 9. Class 23.
Victor Adding Machine Company, Chicago, Ill. Accounting machines. Serial No. 375,831; June 9. Class 26.
Virginia Groves, Inc., Riverside, Calif. Fresh citrus fruit. Serial No. 376,311; June 9. Class 46.
Walker, Hiram, & Sons Inc., Peoria, Ill. Whiskey. Serial Nos. 378,013–15; June 9. Class 49.
Walker, Hiram, & Sons, Inc., Peoria, Ill. Whiskey. Serial Nos. 378,020–1; June 9. Class 49.
Welbel Chemical Company, Borger, Tex. Chemical oil. Serial No. 376,556; June 9. Class 6.
Wenzel, Mack, doing business as Wenzel Company, Chicago, Ill. Motion picture equipment. Serial No. 374,870; June 9. Class 26.
Werts Novelty Co., Inc., Muncie, Ind. Game of chance. Serial No. 350,166; June 9. Class 22.
Western Electric Company, Incorporated, New York, N. Y. Acoustic apparatus. Serial No. 375,186; June 9. Class 21.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Vapor electric devices or arc discharge tubes. Serial No. 374,573; June 9. Class 21.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Coils for electrical apparatus. Serial No. 376,557; June 9. Class 21.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Luminaires. Serial No. 377,290; June 9. Class 21.
Wilbur-Ellis Company, San Francisco, Calif. Fertilizer. Serial No. 377,613; June 9. Class 10.
Wilson-Jones Company, Chicago, Ill. Punching machines. Serial No. 376,877; June 9. Class 37.
Wise Shoe Company, Inc., New York, N. Y. Ladies' shoes. Serial No. 361,917; June 9. Class 39.
Wonder Clothes, Inc., Baltimore, Md. Suits and overcoats. Serial No. 376,927; June 9. Class 39.
Young, Richard R., New Rochelle, N. Y. Card games. Serial No. 375,968; June 9. Class 22.
Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Alloyed metal. Serial No. 367,381; June 9. Class 14.

LIST OF REGISTRANTS OF TRADE-MARKS

A. P. W. Paper Company, Inc. (See Albany Perforated Wrapping Paper Company.)
Agoos Leather Companies, Inc., Boston, Mass. Leather. 335,718; June 9. Class 1.
Albany Perforated Wrapping Paper Company, by change of name to A. P. W. Paper Company, Inc., Albany, N. Y. Toilet-paper and paper towels. 112,745; renewed Sept. 26, 1936.
Albany Perforated Wrapping Paper Company, by change of name to A. P. W. Paper Company, Inc., Albany, N. Y. Toilet-paper. 112,751; renewed Sept. 26, 1936.
Algeria Chemical Company. (See Smith, M. J.)
Amalgamated Meat Cutters and Butcher Workmen of North America, Syracuse, N. Y., to Amalgamated Meat Cutters and Butcher Workmen of North America, Chicago, Ill. Printed books, pamphlets, and circulars. 113,473; renewed Oct. 17, 1936.
Amalgamated Paint Company, Jersey City, N. J., and New York, N. Y., to Amalgamated Paint Company, New York, N. Y. Anticorrosive and antifouling paints. 112,979; renewed Oct. 10, 1936.
American Aniline Products, Inc., New York, N. Y. Dyestuffs. 335,539; June 9; Serial No. 372,812; published Mar. 17, 1936. Class 6.
American Calendar Company, Inc., Greeneville, Tenn. Poster calendars. 335,664; June 9; Serial No. 361,666; published Mar. 24, 1936. Class 38.
American Farm Bureau Federation, Chicago, Ill. Periodical. 335,549; June 9; Serial No. 373,859; published Mar. 24, 1936. Class 38.
American Maple Products Corporation, St. Albans, Vt. Maple syrup. 335,700; June 9; Serial No. 373,195; published Mar. 31, 1936. Class 46.
American Woolen Company, New York, N. Y. Piece goods. 335,673; June 9; Serial No. 373,292; published Mar. 3, 1936. Class 42.

Ammenheuser, Carl, Los Angeles, Calif. Foot powder. 335,575; June 9; Serial No. 374,649; published Mar. 31, 1936. Class 6.
Amsterdamsche Likeurstokerij "'T Lootsje" der Erven Lucas Bols, to Naamlooze Vennootschap Amsterdamsche Likeurstokerij "'t Lootsje" der Erven Lucas Bols, Amsterdam, Netherlands, successor. Gins and liqueurs. 106,727; renewed Oct. 26, 1935.
Antaciron Inc., Wellesville, N. Y. Silicon iron castings. 335,669; June 9; Serial No. 373,988; published Mar. 31, 1936. Class 14.
Arlington Chemical Co., The, assignor to The Arlington Chemical Company, Yonkers, N. Y. Nutrient compound. 111,394; renewed July 11, 1936.
Arst, Morris, assignor, by mesne assignments, to Hidden Hood Garment Mfg. Co., Cicero, Ill. Coats. 335,707; June 9. Class 39.
Atlas Powder Company, Wilmington, Del. Dynamite. 110,160; renewed May 9, 1936.
Axton-Fisher Co., The, Louisville, Ky. Cigarettes. 335,681; June 9. Class 17.
Balata, Victor, & Textile Belting Company, Brooklyn, N. Y., and Easton, Pa., to Victor Balata & Textile Belting Company, Easton, Pa., and New York, N. Y. Lugstraps and balata valves. 113,338; renewed Oct. 17, 1936.
Baltimore Dairy Company, The. (See Powell, Milton W.)
Banchefsky, Beckie, doing business as Zubodent Laboratories, New York, N. Y. Gum astringent and mouth wash. 335,653; June 9; Serial No. 348,906; published May 8, 1934. Class 6.
Banner Brands Company, Inc., Brooklyn, N. Y. Stabilizer for high ratio cake batter. 335,655; June 9; Serial No. 367,556; published Mar. 31, 1936. Class 46.

Bare, D. M., Paper Company, The, Roaring Spring, Pa. Printing papers. 335,604; June 9; Serial No. 370,538; published Mar. 10, 1936. Class 37.

Bartmann & Bixer, Inc., New York, N. Y. Curtains of cotton or artificial silk. 335,521–3; June 9; Serial Nos. 371,718–20; published Mar. 24, 1936. Class 42.

Bartmann & Bixer, Inc., New York, N. Y. Curtains. 335,561; June 9; Serial No. 373,663; published Mar. 31, 1936. Class 42.

Bartmann & Bixer, Inc., New York, N. Y. Curtains. 335,660; June 9; Serial No. 373,662; published Mar. 31, 1936. Class 42.

Bear Lithia Springs Company, assignor to Great Bear Spring Company, New York, N. Y. Natural mineral water. 112,627; renewed Sept. 19, 1936.

Bear Lithia Springs Co., assignor to Great Bear Spring Company, New York, N. Y. Bottled mineral water and soft drinks. 112,841; renewed Oct. 3, 1936.

Becker, Abraham S., Baltimore, Md., to Abraham S. Becker, Los Angeles, Calif. Corsets. 113,222; renewed Oct. 10, 1936.

Beir, Arthur, & Co., Inc., New York, N. Y. Rayon piece goods. 335,595; June 9; Serial No. 372,503; published Mar. 3, 1936. Class 42.

Beir, Arthur, & Co., Inc., New York, N. Y. Piece goods. 335,596; June 9; Serial No. 372,502; published Feb. 25, 1936. Class 42.

Beir, Arthur, & Co. Inc., New York, N. Y. Rayon piece goods. 335,632; June 9; Serial No. 373,554; published Mar. 31, 1936. Class 42.

Beir, Arthur, & Co., Inc., New York, N. Y. Rayon piece goods. 335,699; June 9; Serial No. 373,196; published Feb. 25, 1936. Class 42.

Berdan Bread Company, Bay City, Mich. Bread, rolls, cake, etc. 335,693; June 9; Serial No. 358,546; published Mar. 31, 1936. Class 46.

Berridge, Frank E. (See Varney, William A., assignor.)

Billboard Publishing Company, The, doing business as Direct Buying Publishing Company, Cincinnati, Ohio. Periodical. 335,550; June 9; Serial No. 372,456; published Mar. 24, 1936. Class 38.

Blodgett & Orswell Co., Pawtucket, R. I., assignor to W. Warren Thread Works, Westfield, Mass. Spool-cotton or sewing-thread darning-cotton, etc. 112,845; renewed Oct. 3, 1936.

Bloomingdale Bros., Inc., New York, N. Y. Coats, suits, dresses, and combinations thereof. 335,720; June 9. Class 39.

Blue Bird, Inc. Perfumers. (See Dackermann, Willie, assignor.)

Blue List Publishing Company, Inc., The, New York, N. Y. Publication devoted to offerings of municipal bonds. 335,573; June 9; Serial No. 372,346; published Mar. 24, 1936. Class 38.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 335,517; June 9; Serial No. 372,080; published Mar. 3, 1936. Class 42.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 335,560; June 9; Serial No. 372,081; published Mar. 3, 1936. Class 42.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics. 335,670; June 9; Serial No. 373,993; published Mar. 24, 1936. Class 42.

Boehringer, C. H., Sohn Aktiengesellschaft, Nieder-Ingelheim, Germany. Narcotic morphine derivative. 335,638; June 9; Serial No. 373,440; published Mar. 24, 1936. Class 6.

Boston Putty Works Inc., doing business as Hub Paint Company and Hub Paint Co., Boston and Roxbury, Boston, Mass. Wall texture sometimes known as texture paint. 335,656; June 9; Serial No. 363,621; published Mar. 31, 1936. Class 16.

Bradford Dyeing Association (U. S. A.), Bradford, R. I. Rayon piece goods, acetate, cotton, etc. 335,620–1; June 9; Serial Nos. 373,907–8; published Mar. 31, 1936. Class 42.

Brick Stain Company, Salt Lake City, Utah. Stain and paint for bricks. 335,709; June 9. Class 16.

Briggs Manufacturing Company, Detroit, Mich. Paints and lacquers. 335,719; June 9. Class 16.

Bristol-Myers Company. (See Medirub Company, The, assignor.)

British Aeroplane Varnish Co., Limited, The, Newcastle-upon-Tyne, assignor to Titanine-Emaillite, Limited, Colindale, London, N. W., England. Preparation in the nature of varnish. 110,370; renewed May 16, 1936.

British Aeroplane Varnish Co., Limited, The, Newcastle-upon-Tyne, assignor to Titanine-Emaillite, Limited, Colindale, London, N. W., England. Filling and waterproofing material. 110,371; renewed May 16, 1936.

Brunswick-Balke-Collender Company, The, Chicago, Ill. Billiard tables and cushions, billiard-cue tips, billiard-chalk, etc. 113,350; renewed Oct. 17, 1936.

Burroughs Adding Machine Company, Detroit, Mich. Inking ribbons. 335,607; June 9; Serial No. 370,409; published Mar. 31, 1936. Class 11.

Cabana, Martin J., Inc., Buffalo, N. Y. Automobile, furniture, and woodwork polish and cleaner. 335,583; June 9; Serial No. 374,550; published Mar. 31, 1936. Class 16.

California Growers Wineries Inc., Fresno, Calif. Wine. 335,567; June 9; Serial No. 372,959; published Mar. 31, 1936. Class 47.

California Rice Sales Company. (See Rice Growers Association of California.)

Campus Toothpowder Company, The, doing business as The Campus Co. Inc., Dodge City, Kans. Toothpowder. 335,606; June 9; Serial No. 370,446; published Mar. 31, 1936. Class 6.

Canning, Franklin V., New York, N. Y. Chewing-gum. 110,414; renewed May 23, 1936.

Carr, William C., Corporation, The, Buffalo, N. Y. Air conditioning units. 335,703; June 9; Serial No. 373,111; published Mar. 24, 1936. Class 34.

Cavendish Trading Corporation, New York, N. Y. Sheets and pillowcases. 335,641; June 9; Serial No. 373,591; published Mar. 10, 1936. Class 42.

Celite Corporation. (See Kieselguhr Company of America, assignor.)

Chalmers Publishing Company, New York, N. Y. Periodical. 110,340; renewed May 16, 1936.

Chelsea Sales Corporation, New York, N. Y. Handkerchiefs. 335,594; June 9; Serial No. 372,585; published Mar. 3, 1936. Class 42.

Chemical Paper Manufacturing Company, Holyoke, Mass. Cover-paper. 113,228; renewed Oct. 10, 1936.

Chilean Nitrate Sales Corporation, New York, N. Y. Nitrate of soda. 335,543; June 9; Serial No. 372,586; published Mar. 17, 1936. Class 6.

Chipman Knitting Mills, Spring Grove, Pa. Hosiery. 335,708; June 9. Class 39.

Class, John F., Inc., Dayton, Ohio. Apparatus for generating and applying mineral fumes in a cabinet or other special appliance for medicinal purposes. 335,626; June 9; Serial No. 372,164; published Mar. 31, 1936. Class 44.

Clear-Again, Inc., Chicago, Ill. Tablet for the relief of head colds. 335,556; June 9; Serial No. 373,723; published Mar. 24, 1936. Class 6.

Clifto Drug Company. (See Wilson, Minerva.)

Clifton Manufacturing Company, Waco, Tex. Fabrics treated with a waterproof, mildewproof, fire-resisting, etc. composition. 335,617; June 9; Serial No. 374,708; published Mar. 31, 1936. Class 50.

Cohn-Hall-Marx Co., New York, N. Y. Cotton and/or silk piece goods. 335,631; June 9; Serial No. 373,561; published Mar. 17, 1936. Class 42.

Colonial Sales Corporation, New York, N. Y. Architectural mouldings for decorative purposes. 335,525; June 9; Serial No. 371,623; published Mar. 24, 1936. Class 12.

Con-Ferro Paint and Varnish Company, The, St. Louis, Mo. Enamels. 335,578; June 9; Serial No. 374,615; published Mar. 31, 1936. Class 16.

Con-Ferro Paint and Varnish Company, The, St. Louis, Mo. Varnish stains, paint enamels, spar varnish, etc. 335,579; June 9; Serial No. 374,614; published Mar. 31, 1936. Class 16.

Con-Ferro Paint and Varnish Company, The, St. Louis, Mo. Paints, enamels, shellac, etc. 335,600; June 9; Serial No. 374,656; published Mar. 31, 1936. Class 16.

Con-Ferro Paint and Varnish Company, The, St. Louis, Mo. Varnish stain. 335,601; June 9; Serial No. 374,655; published Mar. 31, 1936. Class 16.

Con-Ferro Paint and Varnish Company, The, St. Louis, Mo. Paint enamels and floor and porch paint enamels. 335,615; June 9; Serial No. 374,744; published Mar. 31, 1936. Class 16.

Cornell-Dubilier Corporation, New York, N. Y. Electrical condensers. 335,657; June 9; Serial No. 364,207; published Mar. 31, 1936. Class 21.

Crane Packing Company, Chicago, Ill. Plastic or molded metallic machinery packing. 335,628; June 9; Serial No. 373,597; published Mar. 31, 1936. Class 35.

Cravator Co., The, New York, N. Y. Tie racks. 335,571; June 9; Serial No. 372,396; published Mar. 31, 1936. Class 32.

Crescent Chemical Corporation, Philadelphia, Pa. Compound to be added to starch used in laundries. 335,542; June 9; Serial No. 372,657; published Mar. 17, 1936. Class 6.

Crum, Doctor and Mrs., Indianapolis, Ind. Etheric vibrators. 335,545; June 9; Serial No. 373,777; published Mar. 31, 1936. Class 44.

Curtiss Aerocar Company, Inc., Coral Gables, Fla. Trailers. 335,654; June 9; Serial No. 344,525; published Jan. 16, 1934. Class 19.

Dackermann, Willie, assignor, by mesne assignments, to Blue Bird, Inc. Perfumers, New York, N. Y. Toilet preparations. 113,495; renewed Oct. 17, 1936.

Dairymen's League Co-operative Association, Inc., Utica and New York, N. Y. Milk, ice cream, and cheese. 335,552; June 9; Serial No. 374,551; published Mar. 31, 1936. Class 46.

"Dated" Egg Corporation, New York, N. Y. Eggs. 335,640; June 9; Serial No. 373,368; published Mar. 31, 1936. Class 46.

Davenport, L. Roy, doing business as Embalming Research Institute, Chicago, Ill. Embalming preparation. 335,536; June 9; Serial No. 370,698; published Mar. 17, 1936. Class 6.

Davis Leather Company Limited, Newmarket, Ontario, Canada. Leather. 335,696; June 9; Serial No. 369,763; published Mar. 31, 1936. Class 1.

De Beer, J., & Son, Albany, N. Y. Play ground balls and soft balls. 335,713; June 9. Class 22.

Defender Photo Supply Company, Inc., Rochester, N. Y. Photographic print packages. 335,520; June 9; Serial No. 371,809; published Mar. 17, 1936. Class 6.

De Hoyos y Vinent, José M., Jerez de la Frontera, Spain. Wine. 335,661; June 9; Serial No. 368,977; published Mar. 31, 1936. Class 47.

Dennis, Martin, Company, Newark, N. J. Chromic acid, sodium dichromate, chrome tannages, etc. 335,605; June 9; Serial No. 370,497; published Mar. 31, 1936. Class 6.

Den-Way Laboratories, Newark, N. J. Skin cream. 335,563; June 9; Serial No. 372,870; published Mar. 17, 1936. Class 6.

Destileria Serralles, Inc., Ponce, P. R. Denatured alcohol. 335,564; June 9; Serial No. 372,871; published Mar. 17, 1936. Class 6.

Difco Laboratories Incorporated. (See Digestive Ferments Co.)

Digestive Ferments Co., by change of name to Difco Laboratories Incorporated, Detroit, Mich. Bacteriological products. 113,031; renewed Oct. 10, 1936.

Direct Buying Publishing Company. (See Billboard Publishing Company, The.)

Duffy, H. Bryan, doing business as F. S. Duffy Medicine Company, New Bern, N. C. Liquid preparation for treatment of colds or bronchial irritations. 335,639; June 9; Serial No. 373,370; published Mar. 24, 1936. Class 6.

Dunham, James H., & Co., New York, N. Y. Textile fabrics. 335,686; June 9; Serial No. 373,026; published Mar. 31, 1936. Class 42.

Dyer, Glen E., doing business as Twin Products Co., Los Angeles, Calif. Soaps, shaving cream and containers. 335,572; June 9; Serial No. 372,353; published Mar. 31, 1936. Class 4.

Eagle-Picher Lead Company, The, Cincinnati, Ohio. Refractory bricks and cement, insulating blocks, etc. 335,554–5; June 9; Serial Nos. 373,709–10; published Mar. 24, 1936. Class 12.

Eagle-Picher Lead Company, The, Cincinnati, Ohio. Dry white lead, white lead in oil, dry red lead, etc. 335,582; June 9; Serial No. 374,554; published Mar. 31, 1936. Class 16.

Eaton, Crane & Pike Company, assignor, by mesne assignments, to Eaton Paper Corporation, Pittsfield, Mass. Writing and printing paper, envelopes, tablets, etc. 113,236; renewed Oct. 10, 1936.

Eddystone Manufacturing Company, The, Eddystone and Philadelphia, to The Eddystone Manufacturing Company, Eddystone, Pa. Cotton fabrics. 113,237; renewed Oct. 10, 1936.

Elmquist, Francis, doing business as House of Twigs, Kansas City, Mo. Astringents, creams and deodorant. 335,534–5; June 9; Serial Nos. 371,142–3; published Mar. 17, 1936. Class 6.

Embalming Research Institute. (See Davenport, L. Roy.)

Ex-cel-cis Beauty Products Company, Salt Lake City, Utah. Cleansing cream, tissue cream, face powder, etc. 335,529; June 9; Serial No. 371,424; published Mar. 24, 1936. Class 6.

Fabrique Lyonnaise de Soies a Bluter, Paniasieres, France. Bolting cloth and stencil cloth. 335,643; June 9; Serial No. 367,438; published Mar. 17, 1936. Class 42.

Fairfax Tobacco Co. (See Falk, Arthur.)

Falk, Arthur, doing business as Fairfax Tobacco Co., New York, N. Y. Cigarettes. 335,584; June 9; Serial No. 374,515; published Mar. 31, 1936. Class 17.

Faultless Rubber Company, The, Ashland, Ohio. Bottles, hot-water. 113,046; renewed Oct. 10, 1936.

Fiction Parade, Inc., New York, N. Y. Periodical. 335,688; June 9; Serial No. 373,252; published Mar. 24, 1936. Class 38.

Fralick, S. R., & Company, assignor to Kwikon Company, Chicago, Ill. Hardware. 110,041; renewed May 2, 1936.

Frankel, Benjamin, New York, N. Y. Hair tonics, hair creams, brilliantine, etc. 335,683; June 9; Serial No. 373,101; published Mar. 24, 1936. Class 6.

Garnier, Gisèle, née d'Assailly, Paris, France. Books. 335,527; June 9; Serial No. 371,492; published Mar. 24, 1936. Class 38.

Glelow, J. J., & Sons, Inc., doing business as M. & R. Trading Company, Detroit, Mich. Pickles, salad dressing, vinegar, etc. 335,538; June 9; Serial No. 372,829; published Mar. 31, 1936. Class 46.

Gillem, Marie, New York, N. Y. Face and hand lotion. 335,540; June 9; Serial No. 372,711; published Mar. 17, 1936. Class 6.

Gillette-Vibber Company, The, New London, Conn. Pipe-caps, universals, ground-clamps, etc. 109,727; renewed Apr. 18, 1936.

Glascock Bros. Mfg. Co., Muncie, Ind. Sheet metal bending machines, power operated sheet metal shears, and sheet metal working tools. 335,531; June 9; Serial No. 371,344; published Mar. 31, 1936. Class 23.

Glendale Fabrics, Inc., New York, N. Y. Textile fabrics. 335,694; June 9; Serial No. 373,102; published Feb. 25, 1936. Class 42.

Glenn, Jerry H., Little Rock, Ark. Breath purifier. 335,666; June 9; Serial No. 374,137; published Mar. 24, 1936. Class 6.

Godley, George H., Cincinnati, Ohio. Gutter, gutter angle, gutter end stop, etc. 335,680; June 9; Serial No. 357,211; published Mar. 24, 1936. Class 12.

Goodrich, B. F., Company, The, New York, N. Y. Raincoats and rubber boots and shoes. 110,021; renewed May 2, 1936.

Gould, Wallace I., Canaan, N. H. Newspaper editorial column. 335,570; June 9; Serial No. 373,687; published Mar. 24, 1936. Class 38.

Grapefruit Distributors, Inc., Davenport, Fla. Canned citrus fruits. 335,608; June 9; Serial No. 374,661; published Mar. 31, 1936. Class 46.

Great Bear Spring Company. (See Bear Lithia Springs Company, assignor.)

Helin, Victor, Chateauroux (Indre), France. Pharmaceutical product. 335,537; June 9; Serial No. 372,833; published Mar. 31, 1936. Class 6.

Hershey Creamery Company, Harrisburg, Pa. Ice cream, evaporated milk, and butter. 335,650; June 9. Class 46.

Hewitt, C. B., & Brothers, assignor to C. B. Hewitt & Bros. Inc., New York, N. Y. Paper-board for making travelers' trunks and friction-pulleys therefor. 113,251; renewed Oct. 10, 1936.

Hidden Hood Garment Mfg. Co. (See Arst, Morris, assignor.)

Hirsch, Maurice, Houston, Tex. Rings, bracelets, brooches, etc. 335,662; June 9; Serial No. 368,935; published Mar. 24, 1936. Class 28.

Hockmeyer Bros., Inc., New York, N. Y. Cotton piece goods. 335,589; June 9; Serial No. 374,368; published Mar. 17, 1936. Class 42.

Home Products Inc., Rahway, N. J. Preparation comprising a phosphoric-acid salt of calcium. 335,625; June 9, 1936; Serial No. 372,247; published Mar. 24, 1936. Class 6.

House, Chas. W., & Son, Unionville, Conn. Woolen piece goods. 335,646; June 9; Serial No. 366,476; published Mar. 31, 1936. Class 42.

House of Twigs. (See Elmquist, Francis.)

Hub Paint Company. (See Boston Putty Works Inc.)

Hunt, Rodney, Machine Company, Orange, Mass. Machinery and parts thereof. 112,442; renewed Sept. 5, 1936.

Huyck, F. C., & Sons, Rensselaer and Albany, N. Y. Paper-making felts. 335,576; June 9; Serial No. 374,646; published Mar. 31, 1936. Class 50.

Imperial Brass Manufacturing Company, The, Chicago, Ill. Vehicle tank filler caps, windshield fittings, gasoline tank flanges, etc. 335,684; June 9; Serial No. 373,041; published Mar. 31, 1936. Class 19.

Imperial Brass Manufacturing Company, The, Chicago, Ill. Vehicle tank filler caps, windshield fittings, gasoline tank flanges, etc. 335,685; June 9; Serial No. 373,034; published Mar. 31, 1936. Class 19.

Industrial Chemical Sales Co., Inc., New York, N. Y. Industrial alcohol. 335,691; June 9; Serial No. 359,648; published Mar. 17, 1936. Class 6.

International Cellucotton Products Company, Chicago, Ill. Toilet paper. 335,574; June 9; Serial No. 372,280; published Mar. 31, 1936. Class 37.

International Milling Company, Minneapolis, Minn. Wheat flour. 335,622–3; June 9; Serial Nos. 373,922–3; published Mar. 31, 1936. Class 46.

International Nickel Company, Inc., The, New York, N. Y. Wire cloth and sinks. 335,689; June 9; Serial No. 361,093; published Mar. 24, 1936. Class 13.

International Takamine Ferment Company, New York, N. Y. Preparation for use in correcting conditions associated with excessive gastric acidity. 335,697; June 9; Serial No. 369,612; published Mar. 17, 1936. Class 6.

Irion, Hermann, doing business under the pen name Homer Whiting, New York, N. Y. Articles on musical subjects in newspapers. 335,633; June 9; Serial No. 373,531; published Mar. 24, 1936. Class 38.

Jack Rabbit Company, Spartanburg, S. C. Photographic cameras. 335,663; June 9; Serial No. 368,298; published Mar. 31, 1936. Class 26.

Jockey Razor Blade Co. Inc., New York, N. Y. Shaving creams. 335,577; June 9; Serial No. 374,621; published Mar. 31, 1936. Class 4.

Keith Paper Company, Turners Falls, Mass. Ledger paper 335,614; June 9; Serial No. 374,754; published Mar. 31, 1936. Class 37.

Kensington Hats, Inc., Philadelphia, Pa. Hats and caps. 335,598; June 9; Serial No. 372,477; published Feb. 18, 1936. Class 39.

Kieselguhr Company of America, Los Angeles, Calif., assignor, by mesne assignments, to Celite Corporation, New York, N. Y. Absorbent materials. 109,746; renewed Apr. 18, 1936.

Kieselguhr Company of America, Los Angeles, Calif., assignor, by mesne assignments, to Celite Corporation, New York, N. Y. Plaster and cement. 111,949; renewed Aug. 15, 1936.

Klingensmith, Thomas, doing business as Tot-Em Trailer Company, Birmingham, Mich. Automotive trailers. 335,648; June 9; Serial No. 365,037; published Mar. 31, 1936. Class 19.

Kraft-Phenix Cheese Corporation. (See Phenix Cheese Co., assignor.)

Kranich & Bach, New York, N. Y. Piano plates. 335,659; June 9; Serial No. 373,641; published Mar. 31, 1936. Class 36.

Kresge, S. S., Company, Detroit, Mich. Mouth harmonicas. 335,580; June 9; Serial No. 374,595; published Mar. 31, 1936. Class 36.

Kroger Grocery & Baking Company, The, Cincinnati, Ohio. Walnuts in shells. 335,624; June 9; Serial No. 373,689; published Mar. 31, 1936. Class 46.

Kuehn, Otto L., Co., Milwaukee, Wis. Canned fish. 335,603; June 9; Serial No. 370,560; published Mar. 31, 1936. Class 46.

Kwikon Company. (See Fralick, S. R., & Company, assignor.)

Lambert Pharmacal Company, St. Louis, Mo., assignor to Lambert Pharmacal Company, Wilmington, Del. Chemical or medical preparation. 111,893; renewed Aug. 8, 1936.

Lampl, Walter, New York, N. Y. Compacts and cigarette cases. 335,533; June 9; Serial No. 371,218; published Mar. 24, 1936. Class 28.

Larrowe Buckwheat Flour Corporation, Cohocton, N. Y. Pancake flour. 335,647; June 9; Serial No. 366,325; published Mar. 31, 1936. Class 46.

Lewy Chemical Co., The, New York, N. Y. Solid annular ring product of vaporizable moth killing substance. 335,675–6; June 9; Serial Nos. 372,976–7; published Mar. 31, 1936. Class 6.

Life Savers, Inc. (See Mint Products Company, Incorporated, assignor.)

Lilly, Eli, and Company, The, by change of name, to Eli Lilly and Company, Indianapolis, Ind. Chemicals, medicines, and pharmaceutical preparations. 113,361; renewed Oct. 17, 1936.

Lisner, D., & Co., New York, N. Y. Necklaces, bar-pins, clips, etc. 335,702; June 9; Serial No. 373,139; published Mar. 24, 1936. Class 28.

Loft, Incorporated, as assignee of George W. Loft, New York, assignor, by mesne assignments, to Loft, Inc., Long Island City, N. Y. Candy. 113,399; renewed Oct. 17, 1936.

Loscalzo, Dominick, doing business as Mutual Publishers Syndicate, New York, N. Y. Cartoons. 335,637; June 9; Serial No. 373,453; published Mar. 24, 1936. Class 38.

M. & R. Trading Company. (See Glelow, J. J., & Sons, Inc.)

Marcus Brothers, New York, N. Y. Sheets and pillow cases. 335,568; June 9; Serial No. 374,006; published Mar. 24, 1926. Class 42.

Marlowe Products, Inc., New Rochelle, N. Y. Exercising machines. 335,569; June 9; Serial No. 374,009; published Mar. 31, 1936. Class 22.

Mayflower Mills, Fort Wayne, Ind. Wheat-flour. 113,276; renewed Oct. 10, 1936.

McCreary, John T., Chicago, Ill. Douche powder and vaginal suppositories. 335,701; June 9; Serial No. 373,140; published Mar. 17, 1936. Class 6.

Medirub Company, The, Baltimore, Md., assignor to Bristol-Myers Company, New York, N. Y. Medicated preparation for the treatment of colds, nasal congestion due to colds, sunburn, etc. 335,658; June 9; 1936; Serial No. 364,550; published Aug. 6, 1935. Class 6.

Meyer, Clifford L., Pittsburgh, Pa. Garters, armbands, and trouser-belts. 113,279; renewed Oct. 10, 1936.

Meyers-Seeman Co. Inc., Buffalo, N. Y. Men's coats, suits, and overcoats. 335,716–17; June 9. Class 39.

Milhening, J., Inc., Chicago, Ill. Jewel cases. 335,599; June 9; Serial No. 370,352; published Mar. 31, 1936. Class 2.

Miller, Frank D., Denver, Colo. Newspaper cartoons. 335,597; June 9; Serial No. 372,480; published Mar. 24, 1936. Class 38.

Miller, Theodore L., New Orleans, La. Face-cream. 113,515; renewed Oct. 17, 1936.

Mims, Evelyn H., Fort Worth, Tex. Perfumes. 335,524; June 9; Serial No. 371,646; published Mar. 17, 1936. Class 6.

Mint Products Company, Incorporated, New York, assignor to Life Savers, Inc., Port Chester, N. Y. Cough-drops and tablets for indigestion, headache, etc. 113,415; renewed Oct. 17, 1936.

Moore Fabric Company, Pawtucket, R. I. Supporting belts for men. 335,677; June 9; Serial No. 374,015; published Mar. 31, 1936. Class 44.

Mt. Vernon Watch Co. Inc., New York, N. Y. Watches and parts thereof, watch cases, etc. 335,711-12; June 9. Class 27.

Mutual Publishers Syndicate. (See Loscalzo, Dominick.)

Naamlooze Vennootschap Amsterdamsche Likeurstokerij "'t Lootsje" der Erven Lucas Bols. (See Amsterdamsche Likeurstokerij "'T Lootsje" der Erven Lucas Bols.)

National Boiler Improvement Co., Washington, D. C. Plastic gasket and pipe thread compounds. 335,541; June 9; Serial No. 372,681; published Mar. 24, 1936. Class 12.

National Retailer-Owned Grocers, Inc., Chicago, Ill. Publication. 335,557; June 9; Serial No. 373,742; published Mar. 24, 1936. Class 38.

Nea Service, Inc., Cleveland, Ohio. Comic drawings published in a series. 335,619; June 9; Serial No. 373,888; published Mar. 24, 1936. Class 38.

Neo-Aire, Incorporated, New York, N. Y. Air treating fluid. 335,692; June 9; Serial No. 359,364; published Mar. 31, 1936. Class 6.

Nester, I. H., doing business as I. H. Nester & Co., Philadelphia, Pa. Molasses for poultry feeding. 335,682; June 9; Serial No. 357,383; published Jan. 1, 1935. Class 46.

Neva-Clog Products, Inc., Bridgeport, Conn. Stapling machines, and staples used therein, and parts and attachments therefor. 335,704–5; June 9. Class 37.

Norton Company, Worcester, Mass. Oilstones, hones, whetstones, etc. 335,593; June 9; Serial No. 374,204; published Mar. 24, 1936. Class 4.

Nu-Whip Corp., New York, N. Y. Gases in cartridge containers. 335,695; June 9; Serial No. 378,107; published Mar. 17, 1936. Class 6.

Onondaga Silk Company, Inc., New York, N. Y. Silk piece goods. 335,668; June 9; Serial No. 373,987; published Mar. 17, 1936. Class 42.

Oxweld Acetylene Company, Chicago, Ill., to Oxweld Acetylene Company, New York, N. Y. Hand-trucks. 112,549; renewed Sept. 12, 1936.

Oxweld Acetylene Company, Chicago, Ill., to Oxweld Acetylene Company, New York, N. Y. Rubber and fabric hose. 112,550; renewed Sept. 12, 1936.

Oxweld Acetylene Company, Chicago, Ill., to Oxweld Acetylene Company, New York, N. Y. Welding-flux. 112,697; renewed Sept. 19, 1936.

Petri Cigar Co., doing business as Petri Wine Company, San Francisco, Calif. Wines. 335,562; June 9; Serial No. 372,854; published Mar. 31, 1936. Class 47.

Pharmax Corporation, Pittsburgh, Pa. Preparation for the treatment of intestinal disturbances. 335,636; June 9; Serial No. 373,464; published Mar. 17, 1936. Class 6.

Phenix Cheese Co., assignor, by mesne assignments, to Kraft-Phenix Cheese Corporation, Chicago, Ill. Cheese. 110,295; renewed May 16, 1936.

Place, Crayton N., Belpre, Ohio. Liniment for human use. 335,565; June 9; Serial No. 372,891; published Mar. 24, 1936. Class 6.

Polyshine, Inc., Rochester, N. Y. Liquid and paste polish for shoes. 335,612; June 9; Serial No. 374,848; published Mar. 31, 1936. Class 4.

Pond's Extract Company, New York, N. Y. Face powder. 335,546; June 9; Serial No. 373,800; published Mar. 31, 1936. Class 6.

Porter, Cabell B., doing business as Porter Products Co., Buffalo, N. Y. Fruit syrups and juices for making soft drinks, and as mixers. 335,715; June 9. Class 45.

Postex Laboratories, Inc. (See Soffel, Quintin I., assignor.)

Powell, Milton W., doing business as The Baltimore Dairy Company, Baltimore, Md. Sweet milk. 335,587; June 9; Serial No. 374,478; published Mar. 31, 1936. Class 46.

Rear, James S., Vancouver, British Columbia, Canada. Abrasive disc and other mechanism used in a garment renewing process. 335,710; June 9. Class 23.

Reliance Manufacturing Company, assignor to Reliance Manufacturing Company, Chicago, Ill. Work-shirts. 110,683; renewed June 6, 1936.

Renner, George J., Brewing Company, The, Akron, Ohio. Ale. 335,618; June 9; Serial No. 374,685; published Mar. 31, 1936. Class 48.

Reyburn Manufacturing Company, The, Philadelphia, Pa. Corrugated paper display material. 335,698; June 9; Serial No. 369,205; published Mar. 31, 1936. Class 37.

Rice Growers Association of California, doing business as California Rice Sales Company, Sacramento, Calif. Rice. 335,672; June 9; Serial No. 373,325; published Mar. 31, 1936. Class 46.

Richter, F. Ad., & Co. Inc., Brooklyn, N. Y. Hemorrhoidal suppositories and ointment. 335,616; June 9; Serial No. 374,730; published Mar. 31, 1936. Class 6.

Rock Hill Woolens Inc., New York, N. Y. Woolen piece goods. 335,566; June 9; Serial No. 372,895; published Mar. 3, 1936. Class 42.

Rockwell Manufacturing Company, Camden, Ark. Screen-doors. 113,430; renewed Oct. 17, 1936.

Ronk, Samuel O., doing business as Waval Permanent Wave Supply Co., Los Angeles, Calif. Bottled permanent wave solution, hair oils, and shampoo. 335,687; June 9; Serial No. 373,267; published Mar. 31, 1936. Class 6.

Rosenau Brothers, assignor to Rosenau Bros. Inc., Philadelphia, Pa. Children's dresses. 113,431; renewed Oct. 17, 1936.

Russell, W. A., & Co., New York, N. Y. Valves used in steam heating and radiating systems. 335,644; June 9; Serial No. 367,139; published Mar. 31, 1936. Class 13.

Sand, J., & Sons, assignor to Sands' Level and Tool Company, Detroit, Mich. Plumb rules and levels. 110,434; renewed May 23, 1936.

Saxton Woolen Corp., The, Norwichtown, Conn. Billiard cloth, broadcloth, automobile and carriage cloth, etc. 335,586; June 9; Serial No. 374,483; published Mar. 31, 1936. Class 42.

Schering & Glatz, assignor to Schering & Glatz, Inc., New York, N. Y. External iodin preparation. 112,934; renewed Oct. 3, 1936.

Schlitz, Jos., Brewing Company, Milwaukee, Wis. Beer. 335,652; June 9; Serial No. 375,062; published Mar. 31, 1936. Class 48.

Sereaton Glove Corporation, New York, N. Y. Knitted fabric. 335,558; June 9; Serial No. 373,755; published Mar. 31, 1936. Class 42.

Sears, Roebuck and Co. (See United Battery Corporation, assignor.)

Sears, Roebuck and Co., Chicago, Ill. Alarm-clocks. 110,868; renewed June 13, 1936.

Sears, Roebuck and Co., Chicago, Ill. Dresses and coats. 335,714; June 9. Class 39.

Sedlmayr, Gabriel U. Jos., Seaten-Franziskaner-Leistbräu A.-G. Munchen, Munich, Germany. Beer. 335,590; June 9; Serial No. 374,289; published Mar. 31, 1936. Class 48.

Seydel Chemical Company, Jersey City, N. J. Medicinal product. 335,611; June 9; Serial No. 374,858; published Mar. 31, 1936. Class 6.

Shaffer, John W., & Co., Minneapolis, Minn. Road or lane marker. 335,613; June 9; Serial No. 374,764; published Mar. 31, 1936. Class 50.

Siegel, Rohama, New York, N. Y. Feature page or column in a magazine. 335,602; June 9; Serial No. 374,166; published Mar. 24, 1936. Class 38.

Simon, Michael P., Cloverdale, Pa. Hair tonic. 335,547; June 9; Serial No. 373,842; published Mar. 24, 1936. Class 6.

Simplex Valve & Meter Company, Philadelphia, Pa. Meters and gauges and totalizers therefor, and controlling devices. 335,671; June 9; Serial No. 361,372; published Mar. 31, 1936. Class 26.

Smith, Landon P., Inc., Irvington, N. J. Glazier points. 335,645; June 9; Serial No. 366,693; published Sept. 10, 1935. Class 13.

Smith, Landon P., Inc., Irvington, N. J. Abrasive materials in sheet form. 335,649; June 9; Serial No. 366,305; published Aug. 13, 1935. Class 4.

Smith, M. J., doing business as Algeria Chemical Company, McAllen, Tex. Medicine. 335,551; June 9; Serial No. 372,437; published Mar. 17, 1936. Class 6.

Soffel, Quintin I., assignor to Postex Laboratories, Inc., Oak Park, Ill. Surgical socket dressing. 335,528; June 9; Serial No. 370,678; published Mar. 17, 1936.

Solomon, Samuel, New York, N. Y. Brief cases. 335,630; June 9; Serial No. 373,576; published Mar. 31, 1936. Class 3.

Standard Oil Company of New Jersey, Wilmington, Del. Hydrocarbon gases. 335,679; June 9; Serial No. 374,097; published Mar. 24, 1936. Class 6.

Star Porcelain Company, The, Trenton, N. J. Electrical insulators. 335,559; June 9; Serial No. 373,756; published Mar. 31, 1936. Class 21.

Strawbridge & Clothier, Philadelphia, Pa. Textile rugs. 335,553; June 9; Serial No. 373,705; published Mar. 17, 1936. Class 42.

Stroock, S., & Co. Inc., New York, N. Y. Woven cloth. 335,627; June 9; Serial No. 373,004; published Mar. 17, 1936. Class 42

Stunzi Sons Silk Co. Inc., New York, N. Y. Combination silk and acetate fabric. 335,518; June 9; Serial No. 371,947; published Mar. 24, 1936. Class 42.

Superba Towel Co., Fall River, Mass. Towels. 335,592; June 9; Serial No. 374,217; published Mar. 31, 1936. Class 42.

Surface Combustion Corporation, Toledo, Ohio. Absorbent liquids for conditioning air or other gases. 335,530; June 9; Serial No. 371,401; published Mar. 17, 1936. Class 6.

Taeschner, E., Chemisch-pharmazeutische Fabrik, Potsdam, Germany. Medicines and pharmaceutical preparations. 335,544; June 9; Serial No. 372,153; published Mar. 17, 1936. Class 6.

Taylor, H. P., Jr., Inc., Richmond, Va. Canned vegetables. 335,581; June 9; Serial No. 374,493; published Mar. 31, 1936. Class 46.

Taylor Provision Company, The, Trenton, N. J. Pork roll. 113,172; renewed Oct. 10, 1936.

Taylor & Sledd, Inc., Richmond, Va. Canned vegetables. 335,585; June 9; Serial No. 374,496; published Mar. 31, 1936. Class 46.

Thoms, Charles D., & Co., Inc., New York, N. Y. Piece goods. 335,706; June 9. Class 42.

Titanine-Emaillite, Limited. (See British Aeroplane Varnish Co., Limited, The, assignor.)

Tomasello, Samuel J., (Dorchester) Boston, Mass. Bituminous asphalt paving material. 335,526; June 9; Serial No. 371,562; published Mar. 24, 1936. Class 12.

Tot-Em Trailer Company. (See Klingensmith, Thomas.)

Tower Hosiery Mills, Inc., Burlington, N. C. Hosiery. 335,532; June 9; Serial No. 371,277; published Mar. 24, 1936. Class 39.

Tuttle Chemical Corporation, New York, N. Y. Chemical preparation used in electro plating. 335,678; June 9; Serial No. 374,027; published Mar. 24, 1936. Class 6.

Twin Products Co. (See Dyer, Glen E.)

Twitchell-Champlin Company, The, Portland, Maine, and Boston, Mass. Foods. 111,391; renewed July 11, 1936.

Ullmann, Bernhard, Co. Inc., New York, N. Y. Yarn and thread. 112,991; renewed Oct. 10, 1936.

Underwood Elliott Fisher Company, New York, N. Y. Adding and calculating machines and parts thereof. 335,635; June 9; Serial No. 373,468; published Mar. 31, 1936. Class 26.

United Battery Corporation, Brooklyn, N. Y., assignor, by mesne assignments, to Sears, Roebuck and Co., Chicago, Ill. Batteries, flash-lights, coils, etc. 110,972; renewed June 20, 1936.

United States Gypsum Company, Chicago, Ill. Plastic wall covering. 335,609–10; June 9; Serial Nos. 374,989–90; published Mar. 31, 1936. Class 16.

United States Gypsum Company, Chicago, Ill. Asphalt shingles. 335,665; June 9; Serial No. 374,103; published Mar. 24, 1936. Class 12.

United Textile Workers of America, New York, N. Y. Prints and publications. 113,459; renewed Oct. 17, 1936.

Upjohn Company, The, Kalamazoo, Mich. Medicinal preparation for the treatment of anemia. 335,690; June 9; Serial No. 360,151; published Mar. 24, 1936. Class 6.

Utica and Mohawk Cotton Mills, Inc., Utica, N. Y. Cotton sheets, sheetings, pillow cases, etc. 335,674; June 9; Serial No. 373,273; published Mar. 24, 1936. Class 42.

Vadsco Sales Corporation, Long Island City, N. Y. Laxative preparations. 335,591; June 9; Serial No. 374,260; published Mar. 31, 1936. Class 6.

Valco Laboratories. (See Valvoline Oil Company.)

Valvoline Oil Company, doing business as Valco Laboratories, Cincinnati, Ohio, and New York, N. Y. Brushless shaving cream. 335,634; June 9; Serial No. 373,471; published Mar. 24, 1936. Class 4.

Vandam, Albert H., Co., Inc., New York, N. Y. Piece goods. 335,519; June 9; Serial No. 371,944; published Mar. 10, 1936. Class 42.

Varney, William A., assignor to Frank E. Berridge, Lynn, Mass. Stomach and rheumatic remedy. 110,940; renewed June 20, 1936.

Warren, W., Thread Works. (See Blodgett & Orswell Co., assignor.)

Watson-Standard Co., The, Pittsburgh, Pa. Varnish. 335,651; June 9; Serial No. 375,183; published Mar. 31, 1936. Class 16.

Waval Permanent Wave Supply Co. (See Ronk, Samuel O.)

Webb, Jervis B., Company, Detroit, Mich. Conveyors for use in industrial and manufacturing plants. 335,548; June 9; Serial No. 373,850; published Mar. 31, 1936. Class 23.

Wegener's Inc., Detroit, Mich. Beverages and sirups and extracts for making the same. 335,642; June 9; Serial No. 375,033; published Mar. 31, 1936. Class 45.

Werk, M., Company, The, St. Bernard, Ohio. Soap. 335,667; June 9; Serial No. 373,983; published Mar. 24, 1936. Class 4.

Wernet Dental Mfg. Company, Brooklyn, N. Y. Preparation for cleaning, washing, and polishing natural and artificial denture. 335,588; June 9; Serial No. 374,449; published Mar. 24, 1936. Class 4.

Whiting, Homer. (See Irion, Hermann.)

Wilson, Minerva, doing business as Clifto Drug Company, Baltimore, Md. Medicinal preparation. 335,629; June 9; Serial No. 373,582; published Mar. 24, 1936. Class 6.

Zubodent Laboratories. (See Banchefsky, Beckie.)

LIST OF REGISTRANTS OF LABELS

Blumenkranz, Daniel, Brooklyn, N. Y. Qua-Soda Russian Style. For a Food Beverage. 47,523; June 9.

Centlivre Brewing Corporation, Fort Wayne, Ind. Centlivre Nickel Plate. For Beer. 47,524; June 9.

Chieftain Manufacturing Company, The, doing business as Finders Manufacturing Company, Baltimore, Md. Dawn. For a Cream for Polishing Brown Shoes. 47,525; June 9.

Chieftain Manufacturing Company, The, doing business as Finders Manufacturing Company, Baltimore, Md. Karol. For Dressing for Brown Suede Shoes. 47,526; June 9.

Continental Distilling Corporation, Philadelphia, Pa. Keystone State. For Straight Rye Whiskey. 47,527; June 9.

Crawford, William H., St. Paul, Minn. 'N R G' Brand. New Powdered Yeast. For Powdered Yeast. 47,528; June 9.

Finders Manufacturing Company. (See Chieftain Manufacturing Company, The.)

Morse, L. R., Chicago, Ill. The Barrington Deluxe Shirt. For Shirts. 47,529; June 9.

Morse, L. R., Chicago, Ill. A Hand Finished Shirt. For Shirts. 47,530; June 9.

Morse, L. R., Chicago, Ill. Thebest Shirt. For Shirts. 47,531; June 9.

Petersen, P. F., Baking Co., Omaha, Nebr. Peter Pan Welcome Loaf. For Bread. 47,532; June 9.

Peterson, Anton, Chicago, Ill. All Purpose Patty Mold. For a Device for Molding Foods. 47,533; June 9.

LIST OF REGISTRANTS OF PRINTS

Process Corporation, The, Chicago, Ill. Bromo Lifter. For Bromo Headache Granules. 15,715; June 9.
Process Corporation, The, Chicago, Ill. Alkaline Tablets. For Alkaline Effervescent Tablets. 15,716; June 9.
Reynolds Corporation, New York, N. Y. Reynolds Specification Houses. For Building Materials. 15,717; June 9.
Sure Laboratories, Chicago, Ill. Sure. For a Liquid Preparation for Purifying the Breath. 15,718; June 9.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Absorbent materials. Kieselguhr Company of America. 109,746; renewed Apr. 18, 1936.
Leather. Agoos Leather Companies. 335,718; June 9.
Leather. Davis Leather Company Limited. 335,696; June 9; Serial No. 369,763; published Mar. 31, 1936.

CLASS 2

Cases, Jewel. J. Milhening, Inc. 335,599; June 9; Serial No. 370,352; published Mar. 31, 1936.

CLASS 3

Cases, Brief. S. Solomon. 335,630; June 9; Serial No. 373,576; published Mar. 31, 1936.

CLASS 4

Abrasive materials in sheet form. Landon P. Smith, Inc. 335,649; June 9; Serial No. 366,305; published Aug. 13, 1935.
Cream, Brushless shaving. Valvoline Oil Company. 335,634; June 9; Serial No. 373,471; published Mar. 24, 1936.
Creams, Shaving. Jockey Razor Blade Co. Inc. 335,577; June 9; Serial No. 374,621; published Mar. 31, 1936.
Oilstones, hones, whet stones, etc. Norton Company. 335,593; June 9; Serial No. 344,204; published Mar. 24, 1936.
Polish for shoes, Liquid and paste. Polyshine, Inc. 335,612; June 9; Serial No. 374,848; published Mar. 31, 1936.
Preparation for cleaning, washing and polishing denture. Wernet Dental Mfg. Company. 335,588; June 9; Serial No. 374,449; published Mar. 24, 1936.
Soap. M. Werk Company. 335,667; June 9; Serial No. 373,983; published Mar. 24, 1936.
Soaps, shaving cream and containers. G. E. Dyer. 335,572; June 9; Serial No. 372,353; published Mar. 31, 1936.

CLASS 6

Absorbent liquids for conditioning air or other gases. Surface Combustion Corporation. 335,530; June 9; Serial No. 371,401; published Mar. 17, 1936.
Air treating fluid. Neo-Aire, Incorporated. 335,692; June 9; Serial No. 359,364; published Mar. 31, 1936.
Alcohol, Denatured. Destileria Serralles, Inc. 335,564; June 9; Serial No. 372,871; published Mar. 17, 1936.
Alcohol, Industrial. Industrial Chemical Sales Co. 335,691; June 9; Serial No. 359,648; published Mar. 17, 1936.
Astringent and mouth wash, Gum. B. Banchefsky. 335,653; June 9; Serial No. 348,906; published May 8, 1934.
Astringents, creams, and deodorant. F. Elmquist. 335,534–5; June 9; Serial Nos. 371,142–3; published Mar. 17, 1936.
Bacteriological products, Digestive Ferments Co. 113,031; renewed Oct. 10, 1936.
Breath purifier. J. H. Glenn. 335,666; June 9; Serial No. 374,137; published Mar. 24, 1936.
Chemical or medical preparation. Lambert Pharmacal Company. 111,893; renewed Aug. 8, 1936.
Chemical preparation used in electro plating. Tuttle Chemical Corporation. 335,678; June 9; Serial No. 374,027; published Mar. 24, 1936.
Chemicals, medicines, and pharmaceutical preparations. Eli Lilly and Company. 113,361; renewed Oct. 17, 1936.
Chromic acid, sodium dichromate, chrome tannages, etc. Martin Dennis Company. 335,605; June 9; Serial No. 370,497; published Mar. 31, 1936.
Compound to be added to starch used in laundries. Crescent Chemical Corporation. 335,542; June 9; Serial No. 372,657; published Mar. 17, 1936.
Cough-drops and tablets for indigestion, headache, etc. Mint Products Company. 113,415; renewed Oct. 17, 1936.
Cream, Face. T. L. Miller. 113,515; Renewed Oct. 17, 1936.
Cream, Skin. Den-Way Laboratories. 335,563; June 9. Serial No. 372,870; published Mar. 17, 1936.
Cream, tissue cream, face powder, etc., Cleansing. Excel-cis Beauty Products Company. 335,529; June 9; Serial No. 371,424; published Mar. 24, 1936.
Dressing, Surgical socket. Q. I. Soffel. 335,528; June 9; Serial No. 370,678; published Mar. 17, 1936.
Dyestuffs. American Aniline Products, Inc. 335,539; June 9; Serial No. 372,812; published Mar. 17, 1936.
Embalming preparation. L. R. Davenport. 335,536; June 9; Serial No. 370,698; published Mar. 17, 1936.
Filling and waterproofing material. British Aeroplane Varnish Co. 110,371; renewed May 16, 1936.
Gases in cartridge containers. Nu-Whip Corp. 335,695; June 9; Serial No. 373,107; published Mar. 17, 1936.
Hair tonic. M. P. Simon. 335,547; June 9; Serial No. 373,842; published Mar. 24, 1936.
Hair tonics, hair creams, brilliantine, etc. B. Frankel. 335,683; June 9; Serial No. 373,101; published Mar. 24, 1936.
Hydrocarbon gases. Standard Oil Company of New Jersey. 335,679; June 9; Serial No. 374,097; published Mar. 24, 1936.
Iodin preparation, External. Schering & Glatz. 112,934; renewed Oct. 3, 1936.
Laxative preparations. Vadsco Sales Corporation. 335,591; June 9; Serial No. 374,260; published Mar. 31, 1936.
Liniment for human use. C. N. Place. 335,565; June 9; Serial No. 372,891; published Mar. 24, 1936.
Lotion, Face and hand. M. Gillem. 335,540; June 9; Serial No. 372,711; published Mar. 17, 1936.
Medicinal preparation. M. Wilson. 335,629; June 9; Serial No. 373,582; published Mar. 24.
Medicinal preparation for the treatment of anemia. Upjohn Company. 335,690; June 9; Serial No. 360,151; published Mar. 24, 1936.
Medicinal product. Seydel Chemical Company. 335,611; June 9; Serial No. 374,858; published Mar. 31, 1936.
Medicine. M. J. Smith. 335,551; June 9; Serial No. 372,437; published Mar. 17, 1936.
Medicines and pharmaceutical preparations. E. Taeschner Chemisch-pharmazeutische Fabrik. 335,544; June 9; Serial No. 372,153; published Mar. 17, 1936.
Moth killing substance. Solid annular ring product of vaporizable. Lewy Chemical Co. 335,675–6; June 9; Serial No. 372,976–7; published Mar. 31, 1936.
Narcotic morphine derivative. C. H. Boehringer Sohn Aktiengesellschaft. 335,638; June 9; Serial No. 373,440; published Mar. 24, 1936.
Nitrate of soda. Chilean Nitrate Sales Corporation. 335,543; June 9; Serial No. 372,586; published Mar. 17, 1936.
Nutrient compound. Arlington Chemical Co. 111,394; renewed July 11, 1936.
Perfumes. E. H. Mims. 335,524; June 9; Serial No. 371,646; published Mar. 17, 1936.
Permanent wave solution, hair oils, and shampoo, Bottled. S. O. Ronk. 335,687; June 9; Serial No. 373,267; published Mar. 31, 1936.
Pharmaceutical product. V. Helin. 335,537; June 9; Serial No. 372,833; published Mar. 31, 1936.
Photographic print packages. Defender Photo Supply Company. 335,520; June 9; Serial No. 371,809; published Mar. 17, 1936.
Powder and vaginal suppositories, Douche. J. T. McCreary. 335,701; June 9; Serial No. 373,140; published Mar. 17, 1936.
Powder, Face. Pond's Extract Company. 335,546; June 9; Serial No. 373,800; published Mar. 31, 1936.
Powder, Foot. C. Ammenheuser. 335,575; June 9; Serial No. 374,649; published Mar. 31, 1936.
Preparation comprising a phosphoric-acid salt of calcium. Home Products Inc. 335,625; June 9; Serial No. 372,247; published Mar. 24, 1936.
Preparation for the treatment of colds, nasal congestion due to colds, sunburn, etc., Medicated. Mellrub Company. 335,658; June 9; Serial No. 364,550; published Aug. 6, 1935.
Preparation for the treatment of intestinal disturbance. Pharmax Corporation. 335,636; June 9; Serial No. 373,464; published Mar. 17, 1936.
Preparation for treatment of colds or bronchial irritations, Liquid. H. B. Duffy. 335,639; June 9; Serial No. 373,370; published Mar. 24, 1936.
Preparation for use in correcting conditions associated with excessive gastric acidity. International Takamine Ferment Company. 335,697; June 9; Serial No. 369,612; published Mar. 17, 1936.

Preparation in the nature of varnish. British Aeroplane Varnish Co. 110,370; renewed May 16, 1936.
Remedy, Stomach and rheumatic. W. A. Varney. 110,940; renewed June 20, 1936.
Suppositories and ointment, Hemorrhoidal. F. Ad. Richter & Co. Inc. 335,616; June 9; Serial No. 374,730; published Mar. 31, 1936.
Tablet for the relief of head colds. Clear-Again, Inc. 335,556; June 9; Serial No. 373,723; published Mar. 24, 1936.
Toilet preparations. W. Dackermann. 113,495; renewed Oct. 17, 1936.
Toothpowder. Campus Toothpowder Company. 335,606; June 9; Serial No. 370,446; published Mar. 31, 1936.
Welding-flux. Oxweld Acetylene Company. 112,697; renewed Sept. 19, 1936.

CLASS 9

Dynamite. Atlas Powder Company. 110,160; renewed May 9, 1936.

CLASS 11

Inking ribbons. Burroughs Adding Machine Company. 335,607; June 9; Serial No. 370,409; published Mar. 31, 1936.

CLASS 12

Asphalt paving material, Vituminous. S. J. Tomasello. 335,526; June 9; Serial No. 371,562; published Mar. 24, 1936.
Bricks, Cement refractory, insulating blocks, etc. Eagle-Picher Lead Company. 335,554–5; June 9; Serial No. 373,709–10; published Mar. 24, 1936.
Doors, Screen. Rockwell Manufacturing Company. 113,430; renewed Oct. 17, 1936.
Gutter, gutter angle, gutter and stop, etc. G. H. Godley. 335,680; June 9; Serial No. 357,211; published Mar. 24, 1936.
Moldings for decorative purposes, Architectural. Colonial Sales Corporation. 335,525; June 9; Serial No. 371,623; published Mar. 24, 1936.
Plaster and cement. Kieselguhr Company of America. 111,949; renewed Aug. 15, 1936.
Plastic gasket and pie thread compounds. National Boiler Improvement Co. 335,541; June 9; Serial No. 372,681; published Mar. 24, 1936.
Shingles, Asphalt. United States Gypsum Company. 335,665; June 9; Serial No. 374,103; published Mar. 24, 1936.

CLASS 13

Glazier points. Landon P. Smith, Inc. 335,645; June 9; Serial No. 366,693; published Sept. 10, 1935.
Valves used in steam heating and radiating systems. W. A. Russell & Co. 335,644; June 9; Serial No. 367,139; published Mar. 31, 1936.
Wire cloth and sinks. International Nickel Company. 335,689; June 9; Serial No. 361,093; published Mar. 24, 1936.

CLASS 14

Castings, Silicon iron. Antacioron Inc. 335,669; June 9; Serial No. 373,988; published Mar. 31, 1936.

CLASS 16

Enamels. Con-Ferro Paint and Varnish Company. 335,578; June 9; Serial No. 374,615; published Mar. 31, 1936.
Enamels and floor and porch paint enamels, Quick dry paint. Con-Ferro Paint and Varnish Company. 335,615; June 9; Serial No. 374,744; published Mar. 31, 1936.
Lead, white lead in oil, dry red lead, etc., Dry white. Eagle-Picher Lead Company. 335,582; June 9; Serial No. 374,554; published Mar. 31, 1936.
Paints and lacquers. Briggs Manufacturing Company. 335,719; June 9.
Paints, Anticorrosive and antifouling. Amalgamated Paint Company. 112,979; renewed Oct. 10, 1936.
Paints, enamels, shellac, etc. Con-Ferro Paint and Varnish Company. 335,600; June 9; Serial No. 374,656; published Mar. 31, 1936.
Polish and cleaner, Automobile, furniture, and woodwork. Martin J. Cabana, Inc. 335,583; June 9; Serial No. 374,550; published Mar. 31, 1936.
Stain and paint for bricks. Brick Stain Company. 335,709; June 9.
Varnish. Watson-Standard Co. 335,651; June 9; Serial No. 375,183; published Mar. 31, 1936.
Varnish stain. Con-Ferro Paint and Varnish Company. 335,601; June 9; Serial No. 374,655; published Mar. 31, 1936.
Varnish stains, paint enamels, spar varnish, etc. Con-Ferro Paint and Varnish Company. 335,579; June 9; Serial No. 374,614; published Mar. 31, 1936.
Wall covering, Plastic. United States Gypsum Company. 335,609–10; June 9; Serial Nos. 374,989–90; published Mar. 31, 1936.
Wall texture sometimes known as texture paint. Boston Putty Works Inc. 335,656; June 9; Serial No. 363,621; published Mar. 31, 1936.

CLASS 17

Cigarettes. Axton-Fisher Tobacco Co. 335,681; June 9.
Cigarettes. A. Falk. 335,584; June 9; Serial No. 374,515; published Mar. 31, 1936.

CLASS 19

Trailers. Curtiss Aerocar Company. 335,654; June 9; Serial No. 344,525; published Jan. 16, 1934.
Trailers, Automotive. T. Klingensmith. 335,648; June 9; Serial No. 365,037; published Mar. 31, 1936.
Trucks, Hand. Oxweld Acetylene Company. 112,549; renewed Sept. 12, 1936.
Vehicle tank filler caps, windshield fittings, gasoline tank flanges, etc. Imperial Brass Manufacturing Company. 335,684; June 9; Serial No. 373,041; published Mar. 31, 1936.
Vehicle tank filler caps, windshield fittings, gasoline tank flanges, etc. Imperial Brass Manufacturing Company. 335,685; June 9; Serial No. 373,034; published Mar. 31, 1936.

CLASS 21

Batteries, Flash-lights, coils, etc. United Battery Corporation. 110,972; renewed June 20, 1936.
Electrical condensers. Cornell-Dubilier Corporation. 335,657; June 9; Serial No. 364,207; published Mar. 31, 1936.
Electrical insulators. Star Porcelain Company. 335,559; June 9; Serial No. 373,756; published Mar. 31, 1936.
Hardware. S. R. Fralick & Company. 110,041; renewed May 2, 1936.
Pipe-caps, universals, ground-clamps, etc. Gillette-Vibber Company. 109,727; renewed Apr. 18, 1936.

CLASS 22

Balls, Playground and soft. J. de Beer & Son. 335,713; June 9.
Billiard tables and cushions, billiard-cue tips, billiard-chalk, etc. Brunswick-Balke-Collender Company. 113,350; renewed Oct. 17, 1936.
Exercising machines. Marlowe Products, Inc. 335,569; June 9; Serial No. 374,009; published Mar. 31, 1936.

CLASS 23

Abrasive disc and other mechanism used in a garment renewing process. J. S. Rear. 335,710; June 9.
Conveyors for use in industrial and manufacturing plants. Jervis B. Webb Company. 335,548; June 9; Serial No. 373,850; published Mar. 31, 1936.
Machinery and parts thereof. Rodney Hunt Machine Company. 112,442; renewed Sept. 5, 1936.
Sheet metal bending machines, power operated sheet metal shears, and sheet metal working tools. Glascock Bros. Mfg. Co. 335,531; June 9; Serial No. 371,344; published Mar. 31, 1936.

CLASS 26

Adding and calculating machines and parts thereof. Underwood Elliott Fisher Company. 335,635; June 9; Serial No. 373,468; published Mar. 31, 1936.
Cameras, Photographic. Jack Rabbit Company. 335,663; June 9; Serial No. 368,298; published Mar. 31, 1936.
Meters and gauges and totalizers therefor, and controlling devices. Simplex Valve & Meter Company. 335,671; June 9; Serial No. 361,372; published Mar. 31, 1936.
Plumb rules and levels. J. Sand & Sons. 110,434; renewed May 23, 1936.

CLASS 27

Clocks, Alarm. Sears, Roebuck and Co. 110,868; renewed June 13, 1936.
Watches and parts thereof, watch cases, etc. Mt. Vernon Watch Co. 335,711–12; June 9.

CLASS 28

Compacts and cigarette cases. W. Lampl. 335,533; June 9; Serial No. 371,218; published Mar. 24, 1936.
Necklaces, bar-pins, clips, etc. D. Lisner & Co. 335,702; June 9; Serial No. 373,139; published Mar. 24, 1936.
Rings, bracelets, brooches, etc. M. Hirsch. 335,662; June 9; Serial No. 368,935; published Mar. 24, 1936.

CLASS 32

Racks, Tie. Cravator Co. 335,571; June 9; Serial No. 372,396; published Mar. 31, 1936.

CLASS 34

Air conditioning units. William C. Carr Corporation. 335,703; June 9; Serial No. 373,111; published Mar. 24, 1936.

CLASS 35

Hose, Combined rubber and fabric. Oxweld Acetylene Company. 112,550; renewed Sept. 12, 1936.
Lug-straps and balata valves. Victor Balata & Textile Belting Company. 113,338; renewed Oct. 17, 1936.
Packing, Plastic or molded metallic mechinery. Crane Packing Company. 335,628; June 9; Serial No. 373,597; published Mar. 31, 1936.

CLASS 36

Harmonicas, Mouth. S. S. Kresge Company. 335,580; June 9; Serial No. 374,595; published Mar. 31, 1936.
Piano plates. Kranich & Bach. 335,659; June 9; Serial No. 373,641; published Mar. 31, 1936.

CLASS 37

Paper and paper towels, Toilet. Albany Perforated Wrapping Paper Company. 112,745; renewed Sept. 26, 1936.
Paper-board for making travelers' trunks and friction-pulleys therefor. C. B. Hewitt & Brothers. 113,251; renewed Oct. 10, 1936.
Paper, Cover. Chemical Paper Manufacturing Company. 113,228; renewed Oct. 10, 1936.
Paper display material, Corrugated. Reyburn Manufacturing Company. 335,698; June 9; Serial No. 369,205; published Mar. 31, 1936.
Paper, envelops, tablets, etc., Writing and printing. Eaton, Crane & Pike Company. 113,236; renewed Oct. 10, 1936.
Paper, Ledger. Keith Paper Company. 335,614; June 9; Serial No. 374,754; published Mar. 31, 1936.
Paper, Toilet. Albany Perforated Wrapping Paper Company. 112,751; renewed Sept. 26, 1936.
Paper, Toilet. International Cellucotton Products Company. 335,574; June 9; Serial No. 372,280; published Mar. 31, 1936.
Papers, Printing. D. M. Bare Paper Company. 335,604; June 9; Serial No. 370,538; published Mar. 10, 1936.
Stapling machines and staples for use therein, and parts and attachments thereof. Neva-Clog Products, Inc. 335,704–5; June 9.

CLASS 38

Articles on musical subjects in newspapers. H. Irion. 335,633; June 9; Serial No. 373,531; published Mar. 24, 1936.
Books. G. Garnier née d'Assailly. 335,527; June 9; Serial No. 371,492; published Mar. 24, 1936.
Books, pamphlets, and circulars, Printed. Amalgamated Meat Cutters and Butcher Workmen of North America. 113,473; renewed Oct. 17, 1936.
Calendars, Poster. American Calendar Company. 335,664; June 9; Serial No. 361,666; published Mar. 24, 1936.
Cartoons. D. Loscalzo. 335,637; June 9; Serial No. 373,453; published Mar. 24, 1936.
Cartoons, Newspaper. F. D. Miller. 335,597; June 9; Serial No. 372,480; published Mar. 24, 1936.
Drawings published in a series, Comic. NEA Service, Inc. 335,619; June 9; Serial No. 373,888; published Mar. 24, 1936.
Feature page in a magazine. R. Siegel. 335,602; June 9; Serial No. 374,166; published Mar. 24, 1936.
Newspaper editorial column. W. I. Gould. 335,570; June 9; Serial No. 373,687; published Mar. 24, 1936.
Periodical. American Farm Bureau Federation. 335,549; June 9; Serial No. 373,859; published Mar. 24, 1936.
Periodical. Billboard Publishing Company. 335,550; June 9; Serial No. 372,456; published Mar. 24, 1936.
Periodical. Chalmers Publishing Company. 110,340; renewed May 16, 1936.
Periodical. Fiction Parade, Inc. 335,688; June 9; Serial No. 373,252; published Mar. 24, 1936.
Prints and publications. United Textile Workers of America. 113,459; renewed Oct. 17, 1936.
Publication. National Retailer-Owned Grocers, Inc. 335,557; June 9; Serial No. 373,742; published Mar. 24, 1936.
Publication devoted to offerings of municipal bonds. Blue List Publishing Company. 335,573; June 9; Serial No. 372,346; published Mar. 24, 1936.

CLASS 39

Coats. M. Arst. 335,707; June 9.
Coats and rubber boots and shoes, Rain. B. F. Goodrich Company. 110,021; renewed May 2, 1936.
Coats, suits and overcoats, Men's. Meyers-Seeman Co. Inc. 335,716–17; June 9.
Coats, suits, dresses, and combinations thereof. Bloomingdale Bros., Inc. 335,720; June 9.
Corsets. A. S. Becker. 113,222; renewed Oct. 10, 1936.
Dresses and coats. Sears, Roebuck and Co. 335,714; June 9.
Dresses, Children's. Rosenau Brothers. 113,431; renewed Oct. 17, 1936.
Garters, armbands, and trouser-belts. C. L. Meyer. 113,279; renewed Oct. 10, 1936.
Hats and caps. Kensington Hats, Inc. 335,598; June 9; Serial No. 372,477; published Feb. 18, 1936.
Hosiery. Chipman Knitting Mills. 335,708; June 9.
Hosiery. Tower Hosiery Mills, Inc. 335,532; June 9; Serial No. 371,277; published Mar. 24, 1936.
Shirts, Work. Reliance Manufacturing Company. 110,683; renewed June 6, 1936.

CLASS 42

Cloth and stencil cloth, Bolting. Fabrique Lyonnaise de Soies a Bluter. 335,643; June 9; Serial No. 367,438; published Mar. 17, 1936.
Cloth, broadcloth, automobile cloth, etc.,, etc., Billiard. Saxton Woolen Corp. 335,586; June 9; Serial No. 374,483; published Mar. 31, 1936.
Cloth, Woven. S. Stroock & Co. Inc. 335,627; June 9; Serial No. 373,004; published Mar. 17, 1936.
Cotton and/or silk piece goods. Cohn-Hall-Marx Co. 335,671; June 9; Serial No. 373,561; published Mar. 17, 1936.
Cotton fabrics. Eddystone Manufacturing Company. 113,237; renewed Oct. 10, 1936.
Cotton piece goods. Hockmeyer Bros., Inc. 335,589; June 9; Serial No. 374,368; published Mar. 17, 1936.
Curtains. Bartmann & Bixer, Inc. 335,561; June 9; Serial No. 373,663; published Mar. 31, 1936.
Curtains. Bartmann & Bixer, Inc. 335,660; June 9; Serial No. 373,662; published Mar. 31, 1936.
Curtains of cotton or artificial silk. Bartmann & Bixer, Inc. 335,521–3; June 9; Serial No. 371,718–20; published Mar. 24, 1936.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. Inc. 335,517; June 9; Serial No. 372,080; published Mar. 3, 1936.
Fabric, Knitted. Screaton Glove Corporation. 335,558; June 9; Serial No. 373,755; published Mar. 31, 1936.
Handkerchiefs. Chelsea Sales Corporation. 335,594; June 9; Serial No. 372,585; published Mar. 3, 1936.
Piece goods. American Woolen Company. 335,673; June 9; Serial No. 373,292; published Mar. 3, 1936.
Piece goods. Arthur Beir & Co. 335,596; June 9; Serial No. 372,502; published Feb. 25, 1936.
Piece goods. Charles D. Thoms & Co. 335,706; June 9.
Piece goods. Albert H. Vandam Co. 335,519; June 9; Serial No. 371,944; published Mar. 10, 1936.
Piece goods, rayon, acetate, cotton, etc. Bradford Dyeing Association (U. S. A.) 335,620–1; June 9; Serial No. 373,907–8; published Mar. 31, 1936.
Pile fabrics. Sidney Blumenthal & Co. Inc. 335,670; June 9; Serial No. 373,993; published Mar. 24, 1936.
Pile fabrics in the piece. Sidney Blumenthal & Co. Inc. 335,560; June 9; Serial No. 372,081; published Mar. 3, 1936.
Rayon piece goods. Arthur Beir & Co. 335,595; June 9; Serial No. 372,503; published Mar. 3, 1936.
Rayon piece goods. Arthur Beir & Co. 335,632; June 9; Serial No. 373,554; published Mar. 31, 1936.
Rayon piece goods. Arthur Beir & Co. 335,699; June 9; Serial No. 373,196; published Feb. 25, 1936.
Rugs, Textile. Strawbridge & Clothier. 335,553; June 9; Serial No. 373,705; published Mar. 17, 1936.
Sheets and pillow cases. Marcus Brothers. 335,568; June 9; Serial No. 374,006; published Mar. 24, 1936.
Sheets and pillowcases. Cavendish Trading Corporation. 335,641; June 9; Serial No. 373,591; published Mar. 10, 1936.
Sheets, cotton, sheetings, pillow cases, etc. Utica and Mohawk Cotton Mills, Inc. 335,674; June 9; Serial No. 373,273; published Mar. 24, 1936.
Silk and acetate fabric, Combination. Stunzi Sons Silk Co. Inc. 335,518; June 9; Serial No. 371,947; published Mar. 24, 1936.
Silk piece goods. Onondaga Silk Company. 335,668; June 9; Serial No. 373,987; published Mar. 17, 1936.
Textile fabrics. James H. Dunham & Co. 335,686; June 9; Serial No. 373,026; published Mar. 31, 1936.
Textile fabrics. Glendale Fabrics, Inc. 335,694; June 9; Serial No. 373,102; published Feb. 25, 1936.
Towels. Superba Towel Co. 335,592; June 9; Serial No. 374,217; published Mar. 31, 1936.
Woolen piece goods. Chas. W. House & Sons. 335,646; June 9; Serial No. 366,476; published Mar. 31, 1936.
Woolen piece goods. Rock Hill Woolens Inc. 335,566; June 9; Serial No. 372,895; published Mar. 3, 1936.

CLASS 43

Cotton or sewing-thread, darning-cotton, etc., Spoon. Blodgett & Orswell Co. 112,845; renewed Oct. 3, 1936.
Yarn and thread. Bernhard Ulmann Co. Inc. 112,991; renewed Oct. 10, 1936.

CLASS 44

Apparatus for generating and applying mineral fumes in a cabinet or other appliance for medicinal purposes. John F. Class, Inc. 335,626; June 9; Serial No. 372,164; published Mar. 31, 1936.
Bottles, Hot-water. Faultless Rubber Company. 113,046; renewed Oct. 10, 1936.
Supporting belts for men. Moore Fabric Company. 335,677; June 9; Serial No. 374,015; published Mar. 31, 1936.
Vibrators, Etheric. Doctor and Mrs. Crum. 335,545; June 9; Serial No. 373,777; published Mar. 31, 1936.

CLASS 45

Beverages and sirups and extracts for making the same. Wegener's Inc. 335,642; June 9; Serial No. 375,033; published Mar. 31, 1936.
Syrups and juices for making soft drinks, and as mixers, Fruit. C. B. Porter. 335,715; June 9.
Water and soft drinks, Bottled mineral. Bear Lithia Springs Co. 112,841; renewed Oct. 3, 1936.
Water, Natural mineral. Bear Lithia Springs Company. 112,627; renewed Sept. 19, 1936.

CLASS 46

Bread, rolls, cake, etc. Berdan Bread Company. 335,693; June 9; Serial No. 358,546; published Mar. 31, 1936.
Candy. Loft, Incorporated. 113,399; renewed Oct. 17, 1936.
Canned citrus fruits. Grapefruit Distributors, Inc. 335,608; June 9; Serial No. 374,661; published Mar. 31, 1936.
Canned fish. Otto L. Kuehn Co. 335,603; June 9; Serial No. 370,560; published Mar. 31, 1936.
Canned vegetables. H. P. Taylor, Jr. Inc. 335,581; June 9; Serial No. 374,493; published Mar. 31, 1936.
Canned vegetables. Taylor & Sledd, Inc. 335,585; June 9; Serial No. 374,496; published Mar. 31, 1936.
Cheese. Phenix Cheese Co. 110,295; renewed May 16, 1936.
Eggs. "Dated" Egg Corporation. 335,640; June 9; Serial No. 373,368; published Mar. 31, 1936.
Flour, Pancake. Larrowe Buckwheat Flour Corporation. 335,647; June 9; Serial No. 366,325; published Mar. 31, 1936.
Flour, Wheat. International Milling Company. 335,622–3; June 9; Serial Nos. 373,922–3; published Mar. 31, 1936.
Flour, Wheat. Mayflower Mills. 113,276; renewed Oct. 10, 1936.
Foods. Twitchell-Champlin Company. 111,391; renewed July 11, 1936.
Gum, Chewing. F. V. Canning. 10,414; renewed May 23, 1936.
Ice cream, evaporated milk, and butter. Hershey Creamery Company. 335,650; June 9.
Milk, ice cream, and cheese. Dairymen's League Co-Operative Association, Inc. 335,552; June 9; Serial No. 374,551; published Mar. 31, 1936.
Milk, Sweet. M. W. Powell. 335,587; June 9; Serial No. 374,478; published Mar. 31, 1936.
Molasses for poultry feeding. I. H. Nester. 335,682; June 9; Serial No. 357,383; published Jan. 1, 1936.
Pickles, salad dressing, vinegar, etc. J. J. Gielow & Sons, Inc. 335,538; June 9; Serial No. 372,829; published Mar. 31, 1936.
Pork roll. Taylor Provision Company. 113,172; renewed Oct. 10, 1936.
Rice. Rice Growers Association of California. 335,672; June 9; Serial No. 373,325; published Mar. 31, 1936.
Stabilizer for high ratio cake batter. Banner Brands Company. 335,655; June 9; Serial No. 367,556; published Mar. 31, 1936.
Syrup, Maple. American Maple Products Corporation. 335,700; June 9; Serial No. 373,195; published Mar. 31, 1936.
Walnuts in shells. Kroger Grocery & Baking Company. 335,624; June 9; Serial No. 373,689; published Mar. 31, 1936.

CLASS 47

Wine. California Growers Wineries Inc. 335,567; June 9; Serial No. 372,959; published Mar. 31, 1936.
Wine. José Maria de Hoyos y Vinent. 335,661; June 9; Serial No. 368,977; published Mar. 31, 1936.
Wines. Petri Cigar Co. 335,562; June 9; Serial No. 372,854; published Mar. 31, 1936.

CLASS 48

Ale. G. R. Renner Brewing Company. 335,618; June 9; Serial No. 374,685; published Mar. 31, 1936.
Beer. Jos. Schlitz Brewing Company. 335,652; June 9; Serial No. 375,062; published Mar. 31, 1936.
Beer. G. U. Jos. Sedlmayr. Spaten-Franziskaner-Leistbräu A.-G. München. 335,590; June 9; Serial No. 374,289; published Mar. 31, 1936.

CLASS 49

Gins and liqueurs. Amsterdamsche Likeurstokerij "'T Lootsje" der Erven Lucas Bols. 106,727; renewed Oct. 26, 1935.

CLASS 50

Fabrics treated with a waterproof, mildewproof, fire resisting, etc., composition. Clifton Manufacturing Company. 335,617; June 9; Serial No. 374,708; published Mar. 31, 1936.
Paper-making felts. F. C. Huyck & Sons. 335,576; June 9; Serial No. 374,646; published Mar. 31, 1936.
Road or lane marker. J. W. Shaffer & Co. 335,613; June 9; Serial No. 374,764; published Mar. 31, 1936.

LIST OF LABELS

A Hand Finished Shirt. For Shirts. L. R. Morse. 47,530; June 9.
All Purpose Patty Mold. For a Device for Molding Foods. A. Peterson. 47,533; June 9.
Centilvre Nickel Plate. For Beer. Centilvre Brewing Corporation. 47,524; June 9.
Dawn. For a Cream for Polishing Brown Shoes. Chieftain Manufacturing Company. 47,525; June 9.
Karol. For Dressing for Brown Suede Shoes. Chieftain Manufacturing Company. 47,526; June 9.
Keystone State. For Straight Rye Whiskey. Continental Distilling Corporation. 47,527; June 9.
'N R G' Brand, New Powdered Yeast. For Powdered Yeast. W. H. Crawford. 47,528; June 9.
Peter Pan Welcome Loaf. For Bread. P. F. Petersen Baking Co. 47,532; June 9.
Qua-Soda Russian Style. For a Food Beverage. D. Blumenkranz. 47,523; June 9.
The Barrington Deluxe Shirt. For Shirts. L. R. Morse. 47,529; June 9.
Thebest Shirt. For Shirts. L. R. Morse. 47,531; June 9.

LIST OF PRINTS

Alkaline Tablets. For Alkaline Effervescent Tablets. Process Corporation. 15,716; June 9.
Bromo Lifter. For Bromo Headache Granules. Process Corporation. 15,715; June 9.
Reynolds Specification Houses. For Building Materials. Reynolds Corporation. 15,717; June 9.
Sure. For a Liquid Preparation for Purifying the Breath. Sure Laboratories. 15,718; June 9.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 9TH DAY OF JUNE, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

American Rolling Mill Company, The. (See Hofer, William H., assignor.)

Bendix Brake Company. (See McConkey, Montgomery W., assignor.)

Fletcher, Henry O., Manchester, N. H. Milling machine. 19,998; June 9.

Grob, Benjamin and T., West Allis, Wis. Filing machine. 19,999; June 9.

Grob, Theodore. (See Grob, Benjamin and T.)

Hofer, William H., assignor to The American Rolling Mill Company, Middletown, Ohio. Apparatus and process for uncoiling coiled sheet metal. 20,000; June 9.

McConkey, Montgomery W., Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind. Brake. 20,001; June 9.

Robbins, William H., Delray Beach, Fla., assignor to The Williams Company, London, Ohio. Polishing device. 20,002; June 9.

Williams Company, The. (See Robbins, William H., assignor.)

LIST OF PLANT PATENTEES

Armacost & Royston, Inc. (See Armacost, Walter L., assignor.)

Armcost, Walter L., Los Angeles, assignor to Armacost & Royston, Inc., Los Angeles, Calif. Rose. 180; June 9.

Asmus, Edward R., Sr., Closter, N. J. Rose. 179; June 9.

Jackson and Perkins Company. (See Poulsen, Svend, assignor.)

Murray, William B., Atco, N. J. Hybrid tea rose. 181; June 9.

Poulsen, Svend, Copenhagen, Denmark, assignor to Jackson and Perkins Company, Newark, N. Y. Rose. 182; June 9.

LIST OF DESIGN PATENTEES

Abelson & Braun. (See Braun, Julius, assignor.)

Abramson, Abraham, New York, N. Y. Decorative electric light bulb or similar article. 99,919; June 9.

Abramson, Abraham, New York, N. Y. Decorative electric light bulb or similar article. 99,920; June 9.

Adams, Albert E., Scranton, Iowa. Ashtray. 99,921; June 9.

Annick, Michael, assignor to Wesel Manufacturing Company, Scranton, Pa. Vacuum printing frame. 99,922; June 9.

Arcelon, John, Mount Vernon, N. Y. Signal lamp. 99,923; June 9.

Auburn Automobile Company. (See Buehrig, Gordon M., assignor.)

Baylis, Robert N., Caldwell, N. J., assignor to Smokador Manufacturing Co., Inc., Bloomfield, N. J. Ash stand. 99,924; June 9.

Biddle, Stephen N. M., New York, N. Y. Lace. 99,972; June 9.

Braun, Julius, Union, N. J., assignor to Abelson & Braun, Newark, N. J. Finger ring. 99,925; June 9.

Brown, Harry A., Brooklyn, N. Y. Textile fabric or similar article. 99,926; June 9.

Buehrig, Gordon M., assignor to Auburn Automobile Company, Auburn, Ind. Automobile hood structure. 99,973; June 9.

Cahn, Oscar J., New York, N. Y. Textile fabric. 99,927; June 9.

Central Metallic Casket Co. (See Larson, Raymond, assignor.)

Chernow, Michael, Brooklyn, N. Y., assignor to Service Patents Corporation. Monogram frame. 99,928; June 9.

Clar, George, and Otto Neisser, Jr., Los Angeles, Calif. Safety ash receptacle. 99,929; June 9.

Cleverly, William, West New York, N. J. Textile fabric or similar article. 99,930; June 9.

Emmey, Charles, New York, N. Y. Applique emblem for articles of apparel. 99,931; June 9.

Fisher, Fred H., assignor to Syracuse Ornamental Company, Syracuse, N. Y. Combination desk unit. 99,932; June 9.

Fisher, Fred H., assignor to Syracuse Ornamental Company, Syracuse, N. Y. Combination desk unit. 99,933; June 9.

Flato, Paul E., Inc. (See Hammond, Natalie H., assignor.)

Fowler, Fred D., Newton, Mass., assignor to Hood Rubber Company, Inc., Watertown, Mass. Shoe sole. 99,934; June 9.

Friedman, Emery E., Chicago, Ill. Playing card. 99,935; June 9.

Fuller, Paul M., Chicago, Ill., assignor to The Rudolph Wurlitzer Manufacturing Company, Buffalo, N. Y. Phonograph cabinet. 99,936; June 9.

Gaul, John F., Jr., Clifton, N. J., assignor, by mesne assignments, to Reconstruction Finance Corporation. Textile fabric or similar article of manufacture. 99,937; June 9.

General Bindery Company. (See Hougland, Frederic A., assignor.)

Hafner, August, Flushing, N. Y. Textile fabric. 99,938; June 9.

Hafner, August, Flushing, N. Y. Textile fabric. 99,939; June 9.

Hallak, Tofick, Kansas City, Mo. Cone cake baker. 99,940; June 9.

Hammond, Natalie H., Gloucester, Mass., assignor to Paul E. Flato, Inc., New York, N. Y. Watch. 99,941; June 9.

Harris, Norman, Auburn, Maine. Shoe. 99,942; June 9.

Hawley, Jesse B. (See Sloan, Edward C., assignor.)

Helt, Philip, New York, N. Y. Dress. 99,974; June 9.

Heller, Robert, New York, N. Y., assignor to The Westfield Manufacturing Company, Westfield, Mass. Instrument housing. 99,975; June 9.

Hess, Clarence R. T., Prairie View, Ill., assignor to L. J. Mueller Furnace Company, Milwaukee, Wis. Central house heating apparatus casing. 99,943; June 9.

Hickok Manufacturing Company. (See Manning, Daniel T., assignor.)

Hood Rubber Company. (See Fowler, Fred D., assignor.)

Hougland, Frederic A., assignor to General Bindery Company, Chicago, Ill. Waste basket. 99,944; June 9.

Hougland, Frederic A., assignor to General Bindery Company, Chicago, Ill. Box. 99,945; June 9.

Humphrey, Horace G., assignor to The Texas Novelty Company, Beaumont, Tex. Cabinet for phonographs or the like. 99,946; June 9.

Larson, Raymond, assignor to Central Metallic Casket Co., Chicago, Ill. Handle for a casket or analogous article. 99,947; June 9.

Lesti, Geno, and F. Wahl, Cleveland, Ohio. Can key. 99,976; June 9.

Levi, Howard J., New York, N. Y. Vestee. 99,948; June 9.

Lincoln, Edward K., Fairfield, Conn. Pocket lighter. 99,949; June 9.

Lincoln, Edward K., Fairfield, Conn. Combined lighter, cigarette receptacle, and ashtray. 99,950; June 9.

Lincoln, Edward K., Fairfield, Conn. Combined lighter, cigarette receptacle, and ashtray. 99,951; June 9.

Lincoln, Edward K., Fairfield, Conn. Combined cigarette lighter and ash tray. 99,952; June 9.

Losee, Joseph S., Hebron, Ill. Automobile heater. 99,953; June 9.

Manning, Daniel T., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Belt for personal wear. 99,954; June 9.

McDonald, Duncan, Birmingham, Ala. Roller skate. 99,955; June 9.

Morgan, John R., Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill. Outdoor rocker. 99,956; June 9.
Morgan, John R., Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill. Outdoor chair. 99,957; June 9.
Morgan, John R., Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill. Cabinet. 99,958; June 9.
Mueller, L. J., Furnace Company. (See Hess, Clarence R. T., assignor.)
Nathan, Joseph B., New York, N. Y. Combined love-seat and chair or similar article. 99,959; June 9.
Neisser, Otto, Jr. (See Clar, G., and Neisser.)
Olsen, Ingrid, Bellwood, Ill. Child's bib. 99,960; June 9.
Payne, Walter B., Rochester, N. Y. Cigarette container or similar article. 99,961; June 9.
Perrin, Camille V., New York, N. Y. Glove. 99,962; June 9.
Radio Corporation of America. (See Smith, Rogers M., assignor.)
Reconstruction Finance Corporation. (See Gaul, John F., Jr., assignor.)
Rice, Irving W., & Co. (See Rice, Irving W., assignor.)
Rice, Irving W., assignor to Irving W. Rice & Co., New York, N. Y. Perfume burner lamp. 99,963; June 9.
Roemer, Frank T. J., Fort Wayne, Ind. Infant's play pad. 99,964; June 9.
Sadinoff, Max, New York, N. Y. Window drape or similar article. 99,965; June 9.
Sahyun, Melville, Detroit, Mich. Closure for collapsible tubes or the like. 99,966; June 9.
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Service Patents Corporation. (See Chernow, Michael, assignor.)
Sloan, Edward C., assignor to J. B. Hawley, Geneva, Ill. Hat. 99,967; June 9.
Smith, Rogers M., Merchantville, N. J., assignor by mesne assignments, to Radio Corporation of America, New York, N. Y. Automobile radio antenna. 99,977; June 9.
Smokador Manufacturing Co. (See Baylis, Robert N., assignor.)
Spitalny, Fred, Elizabeth, N. J. Vanity case or similar article. 99,978; June 9.
Syracuse Ornamental Company. (See Fisher, Fred H., assignor.)
Texas Novelty Company, The. (See Humphrey, Horace G., assignor.)
Tyrrell, Norval, New York, N. Y. Sofa or similar article. 99,968; June 9.
Wahl, Florence. (See Lesti, G., and Wahl.)
Wesel Manufacturing Company. (See Annick, Michael, assignor.)
Westfield Manufacturing Company, The. (See Heller, Robert, assignor.)
Whitestone, Louis J., New York, N. Y. Match book. 99,969; June 9.
Winch, Mae, San Francisco, Calif. Detachable bathtub seat. 99,970; June 9.
Wolffs, Sigmund L., Chicago, Ill. Statuette or similar article. 99,979; June 9.
Wurlitzer, Rudolph, Manufacturing Company, The. (See Fuller, Paul M., assignor.)
Yantis, Roy, Overland Park, Mission Township, Kans. Hedge trimmer. 99,971; June 9.
Ziem, Roy H., Los Angeles, Calif. Chair. 99,980; June 9.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 9TH DAY OF JUNE, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Ableson, Harold H. (See Dalziel, G. A., and Ableson.)
Abraham, Leonard G. (See Wright, S. B., and Abraham.)
Ackerman, Frank, University City, assignor to Curtis Manufacturing Company, St. Louis, Mo. Cleaning telephone switchboards. 2,043,278; June 9.
Ackerman, James E., Devon, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Binding attachment for sewing machines. 2,043,943; June 9.
Adair, Clark W., Chicago, Ill. Rotary steam friction motor. 2,043,788; June 9.
Adams, Guy S. (See Blank, J. E., and Adams.)
Adams, J. D., Manufacturing Company. (See Notvest, Robert, assignor.)
Adell, John A., Orange, Mass. Yarn measuring device. 2,043,569; June 9.
Agfa Ansco Corporation. (See Frost, P., and Beckenbauer, assignors.)
Air Reduction Company, Inc. (See Rooke, R. M., and Saacke, assignors.)
Akron Brass Manufacturing Company, The. (See Schellin, John C., assignor.)
Aktiebolaget Nomy. (See Wallgren, August G. F., assignor.)
Alexander, Peter P., Marblehead, Mass., assignor to Ventures Limited. Reduction of ores by metallic calcium. 2,043,863; June 9.
Allard, Peter L., Hovland, Minn. Saw set. 2,043,876; June 9.
Allen, Henry A., trustee, et al. (See Pratt, Harry P., assignor.)
Alliance Machine Company, The. (See Poto, William L., assignor.)
Allward, George A., Hagerstown, Md. Band saw and the like. 2,043,603; June 9.
Allyne, Edmund E., assignor to Allyne Laboratories, Inc., Cleveland, Ohio. Circulatory loop. 2,043,723; June 9.
Allyne Laboratories, Inc. (See Allyne, Edmund E., assignor.)
Alma, Carl E., and M. Alma, deceased, by L. Alma, administratrix, Vienna, Austria. Continuous draft gear. 2,043,344; June 9.
Alma, Lydia, administratrix. (See Alma, Carl E. and M.)
Alox Corporation. (See Burwell, Arthur W., assignor.)
Alox Corporation. (See Burwell, A. W., and Kempe, assignors.)
Alma, Maximilian. (See Alma, Carl L. and M.)
Altman, Fred E., assignor to Eastman Kodak Company, Rochester, N. Y. Optical system. 2,043,916; June 9.
Aluminum Company of America. (See Frary, Francis C., assignor.)
Aluminum Company of America. (See Keller, Fred, assignor.)
Aluminum Company of America. (See Stickley, George W., assignor.)
American Can Company. (See Lord, William R., assignor.)
American Laundry Machinery Company, The. (See Couch, Forrest J., assignor.)
American Laundry Machinery Company, The. (See Dewey, James M., assignor.)
American Laundry Machinery Company, The. (See Johnson, George W., assignor.)
American Laundry Machinery Company, The. (See Singiser, John P., assignor.)
American Laundry Machinery Company, The. (See Patterson, John S., assignor.)
American Lurgi Corporation. (See Krissiep, R., and Linicus, assignors.)
American Optical Company. (See Styll, H. H., and Gagnon, assignors.)
American Smelting and Refining Company. (See Betterton, J. O., and Phillips, assignors.)
American Smelting and Refining Company. (See Betterton J. O., and Waterman, assignors.)
American Smelting and Refining Company. (See Jones, T. D., and Reinhardt, assignors.)
American Steel Foundries. (See Bachman, Fred E., assignor.)
American Steel Foundries. (See Baselt, Walter H., assignor.)
American Tap Bush Company. (See Rice, Frank E., assignor.)
American Telephone and Telegraph Company. (See Mitchell, Doren, assignor.)
American Telephone and Telegraph Company. (See Swart, Leland K., assignor.)
American Telephone and Telegraph Company. (See Wright, S. B., and Abraham, assignors.)
Amick, Marion G., Boothwyn, J. C. Lawrence, Moylan, Pa., and J. L. Stecher, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of alkylated lead. 2,043,224; June 9.
Amity Leather Products Co. (See Welch, Herman B., assignor.)
Anderson, Frederick H. (See Sabbah, C. A., and Anderson.)
Anderson, Homer G., Waltham, assignor to Raytheon Production Corporation, Newton, Mass. Vacuum tube. 2,043,724; June 9.
Anderson, John W., Gary, Ind. Windshield wiper. 2,043,218; June 9.
Anderson Manufacturing Company. (See Ferguson, Warren T., assignor.)
Anderson, Philip C., Rapid City, S. Dak. Earth scraper. 2,043,220; June 9.
Anderson, Samuel M., Sharon, assignor to B. F. Sturtevant Company, Inc., Boston, Mass. Bearing mounting. 2,043,725; June 9.
Anglin, David Z., Mount Carmel, Pa. Switch brace and rerailer. 2,043,645; June 9.
Ansley, Arthur C., New York, N. Y. Multiple record phonograph. 2,043,789; June 9.
Arbuckle, Samuel F., and G. H. Coulter, Highland Park, Mich., assignors to S. F. Arbuckle Corporation. Sign reflecting in predetermined direction. 2,043,690; June 9.
Arbuckle, S. F., Corporation. (See Arbuckle, S. F., and Coulter, assignors.)
Armentrout, Arthur L., Bakersfield, and E. B. Hall, Los Angeles, Calif. Method and apparatus for testing the productivity of the formation in wells. 2,043,225; June 9.
Arntzen, Ole B., assignor to Gray-Arntzen Co., Seattle, Wash. Tank gauge float. 2,043,364; June 9.
Arynski, Leonard W., et al. (See McCarty, Madison P., assignor.)
Aschenborn, Helmut, Coblenz-on-the-Rhine, Germany. Device for producing plastic reproductions of corporeal forms. 2,043,503; June 9.
Ashworth, Fred, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe sewing machine. 2,043,219; June 9.
Ashworth, John, Albany, N. Y. Oil level indicator. 2,043,877; June 9.
Associated Electric Laboratories, Inc. (See Crocker, Thomas F., assignor.)
Associated Electric Laboratories, Inc. (See Homer, William J., assignor.)
Associated Electric Laboratories, Inc. (See Nelson, Martin L., assignor.)
Associated Electric Laboratories, Inc. (See Obergfell, Herbert F., assignor.)
Associated Electric Laboratories, Inc. (See Obergfell, H. F., and Peterson, assignors.)
Atchison, Leonard W., Schenectady, N. Y., assignor to General Electric Company. Evaporator for refrigerating machines. 2,043,917; June 9.
Atlantic Refining Company, The. (See Mallsoff, William M., assignor.)
Atmospheric Nitrogen Corporation. (See Porter, Frank, assignor.)
Atmospheric Nitrogen Corporation. (See Rowland, Walter, assignor.)
Auto Research Corporation. (See Bijur, Joseph, assignor.)
Babb, James M. (See Rice, H. D., Jr., and Babb.)
Babbs, Alfred J., Longsight, Manchester, England. Floor cleaning appliance. 2,043,878; June 9.
Bachman, Fred E., assignor to American Steel Foundries, Chicago, Ill. Wheel and axle assembly. 2,043,421; June 9.
Bacon, Morrison C., Garretsville, Ohio. Tread stock for inner tubes. 2,043,315; June 9.
Bacon, Willard M., Jr., Tampa, Fla., assignor to J. H. Ellis, Hillsborough County, and E. J. O'Hare, Dade County, Fla. Starting box for racing animals. 2,043,918; June 9.
Baender, Frederick G., Corvallis, Oreg. Reclaiming used lubricating oil. 2,043,691; June 9.
Bahlke, William H., Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Conversion of acid sludge into sulphur dioxide, hydrocarbons, and coke. 2,043,646; June 9.
Baird, William F., Lexington, Mass. Controlling low temperature refrigerants. 2,043,570; June 9.
Bakelite Building Products Co. Inc. (See Harshberger, Norman P., assignor.)

Baker, Harry J., and C. Ness, Indianapolis, Ind., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Inlet nipple trap. 2,043,944; June 9.

Baker Ice Machine Co. Inc. (See Schneider, Albert E., assignor.)

Baker, Paul W., assignor to Wagner Electric Corporation, St. Louis, Mo. Thrust washer assembly. 2,043,790; June 9.

Ball, Donald A. (See Quick, C. G., Ball, and Whitehead.)

Ball, William, Wallington, assignor to British Adding and Calculating Machines Limited, London, England. Calculating machine. 2,043,221; June 9.

Ballard, Howard T., trustee et al. (See Pratt, Harry P., assignor.)

Bangs, Ralph C., Providence, R. I., assignor to Juliette G. Wolff, New York, N. Y. Vanity case. 2,043,726; June 9.

Bargreen, Charles C., Streator, Ill. Expansion joint. 2,043,571; June 9.

Barker, Jesse W., Geneva, N. Y. Safety device. 2,043,365; June 9.

Barron, Abraham, Bronx, N. Y. Knock-down floor stand or similar article. 2,043,791; June 9.

Barron-Gray Packing Company. (See Erickson, A. M., and Gray, assignors.)

Barthel, Otto F. (See Curcuru, Liborio L., assignor.)

Barton, Clarence H., Indianapolis, Ind., assignor, by mesne assignments, to W. C. Starkey, R. S. Pruitt, and W. H. Beal, trustees. Synchronizing mechanism. 2,043,692; June 9.

Bartsch, Otto, assignor to the firm Jenaer Glaswerk Schott & Gen., Jena, Germany. Making ceramic objects. 2,043,222; June 9.

Baselt, Walter H., assignor to American Steel Foundries, Chicago, Ill. Clasp brake. 2,043,693; June 9.

Bass, Harry W. et al. (See McCarty, Madison P., assignor.)

Bassani, Laurent. (See Valentin, A., and Bassani.)

Battery Patents Corporation. (See Lewis, George S., assignor.)

Battles, Stewart S., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Laminated metal barrel. 2,043,694; June 9.

Baumes, Floyd T., Denver, Colo. Siphonproof gasoline tank. 2,043,223; June 9.

Bayer, Otto. (See Münz, F., and Bayer.)

Beal, Walter H.; trustee et al. (See Barton, Clarence H., assignor.)

Beal, Walter H., trustee et al. (See Brownlee, Dalmar T. assignor.)

Beaune, Serge, assignor to Société des Procédés Serge Beaune, Creteil, France. Preparing wiping rollers for printing. 2,043,604; June 9.

Bech, Joseph, assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill. Bacon press. 2,043,366; June 9.

Beckenbauer, Ludwig. (See Frost, P., and Beckenbauer.)

Becker, Fred P., assignor to Monroe Auto Equipment Company, Monroe, Mich. Valve for shock absorbers. 2,043,572; June 9.

Beech-Nut Packing Company. (See Grant, D. R., and Hambrecht, assignors.)

Belder, Warren H., Passaic, and T. M. Cunningham, Upper Saddle River, N. J. Sealing device for bottles. 2,043,226; June 9.

Beimann, Wilhelm, Bochum, Germany. Underfired coke ovens. 2,043,945; June 9.

Bell & Howell Company, The. (See Howell, Albert S., assignor.)

Bell, Joseph, Cincinnati, Ohio. Direction indicating device. 2,043,727; June 9.

Bell Telephone Laboratories, Incorporated. (See Bobis, Stephen, assignor.)

Bell Telephone Laboratories, Incorporated. (See Buckley, Oliver E., assignor.)

Bell Telephone Laboratories, Incorporated. (See Curl, Herbert C., assignor.)

Bell Telephone Laboratories, Incorporated. (See Mallina, Rudolph F., assignor.)

Bell Telephone Laboratories, Incorporated. (See Melhuish, Lawrence E., assignor.)

Bellingham Iron Works, Inc. (See Reid, Thomas W., assignor.)

Bendix Westinghouse Automotive Air Brake Company. (See Eaton, Wilfred A., assignor.)

Benedict, Edward L., Oakmont, assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Highway guard. 2,043,525; June 9.

Bengtson, Eskil, Crystal Lake, assignor, by mesne assignments, to Cinch Manufacturing Corporation, Chicago, Ill. Cable marker strip and making the same. 2,043,919; June 9.

Bennett, Charles E., Hawthorne, assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J. Leak indicating apparatus for oil filled electric power cables. 2,043,227; June 9.

Bennett, Wilbur, Gouldsboro, assignor to The Early Foundry Company, Dickson City, Pa. Combined range. 2,043,316; June 9.

Bent, Franklin A., and W. Engs, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Dehydrating cellulose derivatives and products therefrom. 2,043,946; June 9.

Bentley, Llewellyn W., Riverside, Calif. Electric cooking range. 2,043,879; June 9.

Berger, Henry G., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Manufacture of synthetic resins. 2,043,824; June 9.

Berger, Henry G., Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Manufacture of synthetic resins. 2,043,825; June 9.

Bergk, Kurt, Berlin-Tempelhof, and J. Hofmann, Berlin-Reinickendorf-Ost, assignors to Elektricitätsgesellschaft "Sanitas" m. b. H., Berlin, Germany. Diathermic apparatus for generating short or ultra-short waves. 2,043,422; June 9.

Bernard, David G., assignor to Donald M. Carter, Chicago, Ill. Apparatus for delivering paper from rolls. 2,043,423; June 9.

Berven, Sigurd O., Brooklyn, N. Y. Humidifier. 2,043,647; June 9.

Besst, Stacey, Jr., Canton, Ohio. Multiple locker. 2,043,728; June 9.

Best, Frank C., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,043,228; June 9.

Betterton, Jesse O., Metuchen, N. J., and C. N. Waterman, Monterrey, Mexico, assignors to American Smelting and Refining Company, New York, N. Y. Recovering tin. 2,043,573; June 9.

Betterton, Jesse O., and A. J. Phillips, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y. Treating metals. 2,043,574; June 9.

Bezosky, John, Binghamton, N. Y. Engine piston. 2,043,920; June 9.

Bijur, George, executor. (See Bijur, Joseph.)

Bijur, Joseph, deceased, by G. Bijur, New York, N. Y., executor, assignor to Auto Research Corporation. Central lubrication. 2,043,229; June 9.

Bijur, Joseph, New York, N. Y., assignor to Auto Research Corporation. Automatic lubricator. 2,043,826; June 9.

Bilder, James K., Dayton, Ohio. Drafting instrument. 2,043,729; June 9.

Binder, Herman A., San Francisco, Calif. Savings device. 2,043,848; June 9.

Bio Reduction Corporation of New York. (See Roeder, George H., assignor.)

Bishop, Roy. (See Sloan, James J., assignor.)

Bissell, Carl H., and R. H. Olley, assignors to Crouse-Hinds Company, Syracuse, N. Y. Junction box. 2,043,648; June 9.

Bitney, Dewey H., assignor to Union Steel Products Company, Albion, Mich. Reenforce bar support. 2,043,367; June 9.

Bixler, Harley H., Schenectady, N. Y., assignor to General Electric Company. Valve assembly. 2,043,849; June 9.

Blanchard, Frederick C., Brookline, assignor to Rivett Lathe and Grinders, Inc., Brighton, Boston, Mass. Lathe. 2,043,947; June 9.

Blanchard, Frederick C., Dorchester, Boston, assignor to Rivett Lathe & Grinder Corporation, Boston, Mass. Lathe. 2,043,967; June 9.

Blank, John E., and G. S. Adams, Jackson, Mich., assignors to Ryerson & Haynes Inc. Method and apparatus for rolling back bands for tire covers. 2,043,792; June 9.

Blase, Harry H., Wilkes-Barre, Pa. Spectacles. 2,043,730; June 9.

Bliss, Elmer J., Boston, assignor to Regal Shoe Company, Whitman, Mass. Shoe measuring device. 2,043,649; June 9

Blosser, Herman G. (See Nicholson, F. H., and Blosser.)

Blow, George, New York, N. Y. Drilling wells. 2,043,504; June 9.

Bobis, Stephen, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission network. 2,043,345; June 9.

Bochmann, Otto, Remscheid-Lennep, Germany, assignor to North American Rayon Corporation. Device for spinning and further treatment of artificial silk. 2,043,921; June 9.

Bockmühl, Max and L. Stein, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y. Aqueous solutions of addition compounds of alkylacridinium salts with heavy metal salts and a process of preparing them. 2,043,650; June 9.

Boden, George, assignor to Scovill Manufacturing Company, Waterbury, Conn. Dispensing device. 2,043,651; June 9.

Bohme, H. Th., Aktiengesellschaft. (See Prückner, Hermann, assignor.)

Bohn Aluminum & Brass Corporation. (See McCullough, William E., assignor.)

Boldt, Werner F., St. Louis, Mo., assignor to The White Motor Company, Cleveland, Ohio. Radiator. 2,043,368; June 9.

Boll, Stephen H., and J. E. Lewis, Chicago, Ill. Facial measuring apparatus. 2,043,230; June 9.

Borg-Warner Corporation. (See Battles, Stewart S., assignor.)

Borg-Warner Corporation. (See Leonard, Stephen, assignor.)

Borg-Warner Corporation. (See Murray, Howard J., assignor.)

Bourne, Roland B., assignor to The Maxim Silencer Company, Hartford, Conn. Sound attenuating device. 2,043,731; June 9.

Boyé, Alfred, Paris, France. Automatic telephone apparatus. 2,043,526; June 9.

Bracken, Stanley, La Grange, and M. T. Goetz, assignors to Teletype Corporation, Chicago, Ill. Keyboard perforator and counter. 2,043,231; June 9.

Bragg, Caleb S., Palm Beach, and V. W. Kliesrath, South Bend, Ind., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y. Brake mechanism for automotive vehicles. 2,043,732; June 9.

Bragg-Kliesrath Corporation. (See Bragg, C. S., and Kliesrath, assignors.)

Brasch, Arno, and F. Lange, Berlin, Germany. High-voltage vacuum discharge tube. 2,043,733; June 9.

Brennan, Daniel A., Chicago, Ill. Fastener. 2,043,462; June 9.

Breuer, J. Edward, Inc. (See Breuer, John E., assignor.)

Breuer, John E., Great Neck, assignor to J. Edward Breuer, Inc., Nassau County, N. Y. Decoy. 2,043,827; June 9.

Bridgeport Coach Lace Company Incorporated, The. (See Hamm, James I., assignor.)

Briggs, Orville B., and A. L. Lamb, assignors to Safety Belt-Lacer Company, Toledo, Ohio. Machine for applying belt fasteners. 2,043,576; June 9.

British Adding and Calculating Machines Limited. (See Ball, William, assignor.)

Broberg, Georg K. J., Rasunda, S. W. Wallin, Kallstugan, Taby, and G. A. Wessen, Stockholm, Sweden. Camp bedstead. 2,043,854; June 9.

Brostrom, Charles G., Peabody, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe roughing machine. 2,043,369; June 9.

Browder, Lewis M., East Columbus, Ohio. Battery cut out and safety lock. 2,043,880; June 9.

Brown and Sharpe Manufacturing Company. (See Rich, Charles A., assignor.)

Brown, James H., New York, N. Y. Necktie. 2,043,527; June 9.

Brown, Lee R., Whippany, assignor to Monroe Calculating Machine Company, Orange, N. J. Calculating machine. 2,043,279; June 9.

Brownlee, Dalmar T., Indianapolis, Ind., assignor, by mesne assignments, to W. C. Starkey, R. S. Pruitt and W. H. Beal, trustees. Overrunning clutch. 2,043,695; June 9.

Brupbacher, Otto, Lucerne, Switzerland. Roof for motor cars and other vehicles. 2,043,577; June 9.

Bryan, Harold W. (See Nicholson, F. H., and Bryan.)

Bryce, James W., Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Card verifier. 2,043,280; June 9.

Buchanan, Michael K., and A. G. Horton, Norfolk, Va. Ice cube pan. 2,043,881; June 9.

Buchsbaum, Chester W., assignor to S. Buchsbaum & Co., Chicago, Ill. Belt buckle. 2,043,696; June 9.

Buchsbaum, S., & Co. (See Buchsbaum, Chester W., assignor.)

Buckeye Portable Tool Company, The. (See Wuebben, Bernard H., assignor.)

Buckley, Oliver E., Maplewood, N. J., assignor to Tell Telephone Laboratories, Incorporated, New York, N. Y. Submarine cable loading coil. 2,043,346; June 9.

Budd Wheel Company. (See Eksergian, Carolus L., assignor.)

Bulldog Electric Products Company. (See Frank, Harrison J. L., assignor.)

Bullum, Incorporated, et al. (See Bullum, Stephen, assignor.)

Bullum, Stephen, Overton, assignor of three-fourths to A. D. Gaston, Austin, and one-fourth to Bullum, Incorporated, Austin, Tex. Cable or wire line clamp. 2,043,463; June 9.

Bunting Brass and Bronze Company, The. (See Yager, G. F., and Heath, assignors.)

Burnley, Robert C., Louisville, Ky. Tray rack. 2,043,605; June 9.

Burroughs Adding Machine Company. (See Dahl, Conrad C., assignor.)

Burroughs Adding Machine Company. (See Pasinski, Walter J., assignor.)

Burroughs, Samuel G., Pittsburgh, Pa., assignor to Pennsylvania Coal Products Company. Conducting alkali fusions. 2,043,232; June 9.

Burton, Frank F., Mount Carmel, assignor to Winchester Repeating Arms Company, New Haven, Conn. Safety-device for bolt-action firearms. 2,043,281; June 9.

Burwell, Arthur W., Niagara Falls, assignor to Alox Corporation, New York, N. Y. Lubricant composition. 2,043,923; June 9.

Burwell, Arthur W., Niagara Falls, and A. Kempe, Hackensack, N. J., assignors to Alox Corporation, New York, N. Y. Emulsion oil composition. 2,043,922; June 9.

Cadieux, Joseph O., assignor to Connecticut Telephone & Electric Corporation, Meriden, Conn. Electric lighting apparatus. 2,043,793; June 9.

Camerota, Louis A., Burlington, assignor to Florence Pipe Foundry & Machine Company, Florence, N. J. Centrifugal casting machine. 2,043,956; June 9.

Camp, Thomas R., Newton, assignor to Norton Company, Worcester, Mass. Water filtration apparatus. 2,043,734; June 9.

Campbell, Donald J., Spring Lake Township, Ottowa County, assignor to Campbell, Wyant and Cannon Foundry Company, Norton Township, Mich. Piston. 2,043,424; June 9.

Campbell, Wyant and Cannon Foundry Company. (See Campbell, Donald J., assignor.)

Carborundum Company, The. (See Nelson, Charles S., assignor.)

Carr, Raymond L., Boston, Mass. Vehicle body. 2,043,652; June 9.

Carroll, Thomas E., and F. J. Meyers, New York, N. Y. Tuck-making device. 2,043,735; June 9.

Carter, Donald M. (See Bernard, David G., assignor.)

Casablancas, Fernando, Sabadell, Spain. High draft mechanism with endless belts. 2,043,565; June 9.

Century Machine Company, The. (See Wright, F. H., and Lewis, assignors.)

Charavay, Frederick, assignor of one-half to Hartzell Industries Inc., Piqua, Ohio. Ventilating fan. 2,043,736; June 9.

Chase Companies, The. (See Malvey, Edward J., assignor.)

Cheek, Charles W., East Chattanooga, Tenn. Douche. 2,043,882; June 9.

Chicago Telephone Supply Company. (See Schellenger, Newton C., assignor.)

Christensen, Norman V., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,043,737; June 9.

Christenson, Gust J., assignor to Locomotive Firebox Company, Chicago, Ill. Thermic siphon. 2,043,425; June 9.

Christenson, Gust J., assignor to Locomotive Firebox Company, Chicago, Ill. Thermic siphon. 2,043,426; June 9.

Christenson, Gust J., assignor to Locomotive Firebox Company, Chicago, Ill. Thermic siphon. 2,043,427; June 9.

Christiansen, Walter G., Glen Ridge, N. J., and S. E. Harris, Lynbrook, assignors to E. R. Squibb & Son, Brooklyn, N. Y. Hydroxy-diphenyl-isatin condensation derivatives. 2,043,282; June 9.

Christman, John M., assignor to Packard Motor Car Company, Detroit, Mich. Shock absorber. 2,043,317; June 9.

Cinch Manufacturing Corporation. (See Bengtson, Eskil, assignor.)

Cincinnati Grinders Incorporated. (See Haas, Eugene F., assignor.)

Cincinnati Milling Machine Company, The. (See Ernst, H., and Goodrich, assignors.)

Cincinnati Milling Machine Co., The. (See Rochm, Erwin G., assignor.)

City Auto Stamping Company. (See Peterson, Peter, assignor.)

Clardon Corporation. (See Piel, Edwin A., assignor.)

Clark, Warner, et al. (See McCarty, Madison P., assignor.)

Clavier, André G., and R. H. Darbord, Paris, France, assignors to Western Electric Company, Incorporated, New York, N. Y. Directional radio transmission system. 2,043,347; June 9.

Claxon, John S., Muncie, Ind. Cleaning implement. 2,043,464; June 9.

Cleveland Heater Company, The. (See Marvin, John T., assignor.)

Clifford, Albert M., Stow, assignor to Wingfoot Corporation, Akron, Ohio. Making halogen-substituted thiazoles. 2,043,948; June 9.

Clifford, Walter B., Boston, Mass., assignor, by mesne assignments, to Houde Engineering Corporation, Buffalo, N. Y. Fluid type shock absorber. 2,043,465; June 9.

Colby, Joseph M., U. S. Army, Watertown, Mass. Track for the wheels of vehicles. 2,043,233; June 9.

Colby, Joseph M., U. S. Army, Watertown, Mass. Track for the wheels of vehicles. 2,043,234; June 9.

Colby, Joseph M., U. S. Army, Watertown, Mass. Track for the wheels of vehicles. 2,043,235; June 9.

Colourgravure Limited. (See Hillman, Albert G., assignor.)

Colt's Patent Fire Arms Manufacturing Co. (See Moore, Frederick T., assignor.)

Colt's Patent Fire Arms Manufacturing Co. (See Schmalz, William F., assignor.)

Communication Patents Inc. (See Macapline, William W., assignor.)

Compania Fundadora Fotoliptofono S. A. (See Crudo, Fernando, assignor.)

Comptoir des Textiles Artificiels. (See Vautier, L. P. G., and Fays, assignors.)

Conant, David J., Memphis, Tenn. Submergible motor. 2,043,236; June 9.

Conant, David J., Memphis, Tenn. Submergible motor. 2,043,283; June 9.

Conekin, Dawson, Philadelphia, Pa. Heating system. 2,043,883; June 9.

Conley, Kurt H., Bridgeport, Conn. Fertilizer depositing apparatus. 2,043,318; June 9.

Connecticut Telephone & Electric Corporation. (See Cadieux, Joseph O., assignor.)

Conrad, Johannes. (See Guenther, F., Conrad, and Saftien.)

Consolidated Car-Heating Company. (See Hyatt, Louis C., assignor.)

Construction Products Corporation. (See Witty, George, assignor.)

Cooper, Peter, Corporations. (See Hubbard, John R., assignor.)

Costigan, William M., Grand Falls, New Brunswick, Canada. Puzzle. 2,043,506; June 9.
Couch, Forrest J., Rochester, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Conditioning fabric articles. 2,043,466; June 9.
Coulter, Guy H. (See Arbuckle, S. F., and Coulter.)
Council, Henry M., Atlanta, Ga. Insect repeller. 2,043,404; June 9.
Coupland, Richard C., U. S. Army, Norfolk, Va. Coupling. 2,043,237; June 9.
Coupleux, Edouard E., Tourcoing, France. Electric organ. 2,043,828; June 9.
Coutts, Morton W., Otahuhu, and J. S. Gibbons, Onehunga, New Zealand. Bottle seal or cap. 2,043,819; June 9.
Cowley, William J. N., Mount Vernon, N. Y. Container for dry material. 2,043,924; June 9.
Cramer, Howard I., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Preparing organic disulphides. 2,043,949; June 9.
Crocker, Thomas F., assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Telephone system. 2,043,653; June 9.
Crouse-Hinds Company. (See Bissell, C. H., and Olley, assignors.)
Crudo, Fernando, Buenos Aires, Argentina, assignor to Compania Fundadora Fotoliptofono S. A. Photoelectric sound recording or reproducing apparatus. 2,043,884; June 9.
Crumrine, Chester W., assignor to Eastman Kodak Company, Rochester, N. Y. Camera construction. 2,043,968; June 9.
Culemeyer, Johann, Berlin-Charlottenburg, assignor to Gothaer Waggonfabrik, Aktiengesellschaft, Gotha, Germany. Transporting railway vehicles by road. 2,043,507; June 9.
Cullen, Roy G., Houston, Tex. Control device for wells. 2,043,428; June 9.
Cunningham, George L., and B. J. Losch, Niagara Falls, assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Production of chlorine dioxide. 2,043,284; June 9.
Cunningham, Thomas M. (See Beider, W. H., and Cunningham.)
Curcuru, Liborio L., Ferndale, assignor of one-third to O. F. Barthel, Detroit, Mich. Motor vehicle clutch. 2,043,794; June 9.
Curl, Herbert C., Bayside, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Communication system. 2,043,348; June 9.
Curtis, Harry A., Knoxville, Tenn., assignor to Tennessee Valley Authority, Wilson Dam, Ala. Manufacture of di-calcium phosphate. 2,043,238; June 9.
Curtis, Kenneth L., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y. Control system particularly for an indicia-bearing web. 2,043,239; June 9.
Curtis Manufacturing Company. (See Ackerman, Frank, assignor.)
Dahl, Conrad C., assignor to Burroughs Adding Machine Company, Detroit, Mich. Typewriter carriage. 2,043,370; June 9.
Dalziel, Gordon A., and H. H. Ableson, Winnipeg, Manitoba, Canada. Automobile door lock. 2,043,608; June 9.
Daniel, Ulysses S., Ballinger, Tex. Amusement device. 2,043,606; June 9.
Darbord, René H. (See Clavier, A. G., and Darbord.)
Darling, Frank L., Douglaston, N. Y., assignor to Glen-Dar Can Co. Receptacle, cover therefor, and means for releasing the covers from the receptacles. 2,043,738; June 9.
Davidson, Hobart O., Meadville, assignor to The Viscose Company, Marcus Hook, Pa. Bearing lubrication. 2,043,885; June 9.
Davies, F. A., et al. (See McCarty, Madison P., assignor.)
Davis, Elmer M., assignor to Industrial Patents Corporation, Chicago, Ill. Strainer. 2,043,371; June 9.
Davis, Ralph L., Wallingford, Conn. Wire insulation testing apparatus and method. 2,043,528; June 9.
Davis, Walter F., Farmingdale, assignor to Fairchild Aviation Corporation, New York, N. Y. Internal combustion engine. 2,043,529; June 9.
Davol Rubber Company. (See Raiche, Paul A., assignor.)
Dawes, Frank, Hipperholme, near Halifax, England. Apparatus for use in the drawing, spinning, and of twisting of yarns. 2,043,607; June 9.
DeBoer, Rudolph F., Grand Rapids, Mich. Sliding ash receiver. 2,043,886; June 9.
De Cary, August L., Detroit, Mich. Windshield operating mechanism. 2,043,349; June 9.
De Haven, Hugh, New Canaan, Conn., assignor to De Haven Razor Corporation. Razor blade sharpening device. 2,043,957; June 9.
De Haven Razor Corporation. (See De Haven, Hugh, assignor.)
Deichmann, Otto A., San Francisco, Calif. Building Structure. 2,043,697; June 9.
De Laval Separator Company, The. (See Forsberg, Erik A., assignor.)
Delfox, James G., Flushing, assignor to The Rail Joint Company, New York, N. Y. Tie plate and clip combination. 2,043,320; June 9.
De Markus, Louis, assignor to McKenna Brass & Manufacturing Company, Inc., Pittsburgh, Pa. Pump for filling machines. 2,043,578; June 9.
Dement, John L., San Antonio, Tex. Furniture truck. 2,043,887; June 9.
Denit, Leo A., Salem, Va. Combined cigarette case and lighter. 2,043,888; June 9.
Dennis, John R, Providence, R. I., assignor to International Braid Company. Braider carrier. 2,043,285; June 9.
Dennison Manufacturing Company. (See Flood, Carl A., assignor.)
Derry, Willis O., Sr., Ypsilanti, Mich. Artificial mouse bait. 2,043,609; June 9.
De Simó, Martin, and S. H. McAllister, Berkeley, assignors to Shell Development Company, San Francisco, Calif. Catalytic oxidation of ketols. 2,043,950; June 9.
Detroit, City of, Department of Street Railways. (See Kerwin, Philip A., assignor.)
Detroit Moulding Corporation. (See Shaw, Charles P., Assignor.)
Devine, William M. (See Simmons, Gordon H., assignor.)
Dewey, James M., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. 2,043,467; June 9.
Dewey, James M., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Control for pressing machines. 2,043,468; June 9.
Dewey, James M., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Control for pressing machines. 2,043,469; June 9.
Dezotell, Bernard W., West Roxbury, assignor to United Electric Controls Company, Boston, Mass. Water level controller. 2,043,530; June 9.
Dickhaut, Charles A., Highland Park, and C. C. Willis, Bound Brook, assignors to John Waldron Corporation, New Brunswick, N. J. Festoon drier. 2,043,795; June 9.
Dictaphone Corporation. (See Norton, Leland D., assignor.)
Die Casting Corporation of America. (See Newmark, Joseph, assignor.)
Diem, Hans, assignor to the firm Edouard Dubied & Cie. S. A., Neuchatel, Switzerland. Latch protecting means for the latch needles in flat pearl machines. 2,043,286; June 9.
Dobbins, Willie R., Bostonia, Calif. Fireplace heater attachment. 2,043,429; June 9.
Doe, Harry V., Salem, Oreg. Telescopic gunsight mounting. 2,043,430; June 9.
Doe, Paul H. (See Wahl, J. H., and Doe.)
Doherty Research Company. (See Miller, Benjamin, assignor.)
Doherty Research Company. (See Morgan, John D., assignor.)
Doman, Carl T., assignor to Doman & Marks, Syracuse, N. Y. Air cooled internal combustion engine. 2,043,531; June 9.
Doman & Marks. (See Doman, Carl T., assignor.)
Donat, Joseph L., Berwyn, Ill. Combined can opener and can perforator. 2,043,654; June 9.
Dorton, John M., Bonner Springs, Kans. Adjustable seat. 2,043,287; June 9.
Dragendorff, Otto. (See Elöd E., and Dragendorff.)
Drege, Orville E., assignor to Industrial Patents Corporation, Chicago, Ill. Treating eggs. 2,043,372; June 9.
Dubied, Edouard, & Cie. S. A. (See Diem, Hans, assignor.)
Dubilier Condenser Corporation. (See Dubilier, William, assignor.)
Dubilier, William, New Rochelle, assignor to Dubilier Condenser Corporation, New York, N. Y. Electrical condenser. 2,043,532; June 9.
Dugdale, Richard M., Dedham, assignor to Farrington Manufacturing Company, Boston, Mass. Eyeglass case. 2,043,431; June 9.
Duinker, Daniel M. (See Mulder, J. G. W., and Duinker.)
Duncan, Pat, Gladewater, Tex. Fuel oil burner. 2,043,471; June 9.
Du Pont, E. I., de Nemours & Company. (See Amick, M. G., Lawrence, and Stecher, assignors.)
Du Pont, E. I., de Nemours & Company. (See Loder, D. J., and Ries, assignors.)
Du Pont, E. I., de Nemours & Company. (See Woodhouse, John C., assignor.)
DuPont Rayon Company. (See Harrison, Paul E., assignor.)
Duvall, Stanley A., New York, N. Y., assignor to Laura V. Ruffin, Louisville, Ky. Electric iron stand. 2,043,508; June 9.
Dyer, John B., Pendleton, and W. C. Edwards, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich. Switch with Automatic release. 2,043,470; June 9.
Dyer, John P., El Paso, Tex., assignor to Nichols Copper Company, New York, N. Y. Method and apparatus for spacing electrodes. 2,043,698; June 9.
Eager, Wesley W., and C. A. Tierney, Los Angeles, Calif. Closure. 2,043,472; June 9.
Eager, Wesley W., Los Angeles, and C. A. Tierney, San Marino, Calif. Door mounting. 2,043,473; June 9.
Early Foundry Company, The. (See Bennett, Wilbur, assignor.)
Easters, Noble A., Brunswick, Ga. Metal and wood surfacing tool. 2,043,509; June 9.
Eastman Kodak Company. (See Altman, Fred E., assignor.)

Eastman Kodak Company. (See Crumrine, Chester W., assignor.)
Eastman Kodak Company. (See Fuerst, Carl C., assignor.)
Eastman Kodak Company. (See Malm, Carl J., assignor.)
Eastman Kodak Company. (See Mihalyi, Joseph, assignor.)
Eastman Kodak Company. (See Murray, Thomas F., Jr., assignor.)
Eastman Kodak Company. (See Nagel, August, assignor.)
Eastman Kodak Company. (See Seymour, Merrill W., assignor.)
Eastman Kodak Company. (See Sheppard, S. E., and Hudson, assignors.)
Eastman Kodak Company. (See Tuttle, Clifton M., assignor.)
Eastman Kodak Company. (See Underwood, E. E., and Wellman, assignors.)
Eastman Kodak Company. (See Von Bramer, H., and Ruggles, assignors.)
Eastman Kodak Company. (See Wengel, Raymond W., assignor.)
Eastman Kodak Company. (See Wittel, Otto, assignor.)
Eaton, Wilfred A., assignor to Bendix Westinghouse Automotive Air Brake Company, Pittsburgh, Pa. Brake mechanism. 2,043,610; June 9.
Eclipse Aviation Corporation. (See Havill, Clinton H., assignor.)
Eclipse Aviation Corporation. (See Lansing, R. P., and Nardone, assignors.)
Eclipse Aviation Corporation. (See Nordone, Romeo M., assignor.)
Eclipse Aviation Corporation. (See Stover, Frank B., assignor.)
Eclipse Counterbore Company. (See Subia, Anton, assignor.)
Economy Electric Ad Corporation. (See Vendope, Van L., assignor.)
Edelmann, E., & Co. (See Edelmann, Leo, assignor.)
Edelmann, Leo, assignor to E. Edelmann & Co., Chicago, Ill. Thermo-hydrometer. 2,043,405; June 9.
Edgewater Steel Company. (See Wikander, Oscar R., assignor.)
Edrington, Ralph R., and W. C. Watson, Louisville, Ky. Automatic pressure-control for electric pumps. 2,043,579; June 9.
Edwards, William C. (See Dyer, J. B., and Edwards.)
Ehrmann, Paul, Paris, France. Cooling of electric machines. 2,043,655; June 9.
Eitzen, August D., Rockville Centre, assignor to News Projection Corporation, New York, N. Y. Tape pulling device. 2,043,240; June 9.
Ekserdjian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Vehicle wheel. 2,043,951; June 9.
Electric Storage Battery Company, The. (See Kershaw, William E., assignor.)
Elektricitätsgesellschaft "Sanitas" m. b. H. (See Bergk, K., and Hofmann, assignors.)
Ellinwood, Albert G., Goldsboro, N. C. Paper weight. 2,043,611; June 9.
Ellis, J. Homer, et al. (See Bacon, Willard M., Jr., assignor.)
Elöd, Egon, Karlsruhe, and O. Dragendorff, Oestrich, assignors to firm Rudolph Koepp & Co., Chemische Fabrik A. G., Oestrich, Germany. Preparing potassium formate. 2,043,534; June 9.
Endres, Michael A., Cross Plains, Wis. Sharpening device. 2,043,656; June 9.
Engel, Eugene, assignor to Bernhard Ulmann Company, Inc., New York, N. Y. Knitting device. 2,043,958; June 9.
Engs, William. (See Bent, F. A., and Engs.)
Epstein, Bernard, et al. (See Epstein, Hirsch, assignor.)
Epstein, Hirsch, assignor of twenty-five per cent to M. L. Epstein and twenty-five per cent to B. Epstein, Chicago, Ill. Glow discharge tube. 2,043,925; June 9.
Epstein, Morris L., et al. (See Epstein, Hirsch, assignor.)
Erb, Stanley E., Birmingham, Ala. Spring assembly. 2,043,889; June 9.
Erickson, Arvid M., and H. E. Gray, assignors to Barron-Gray Packing Company, San Jose, Calif. Method and apparatus for proportioning and mixing fruit. 2,043,739; June 9.
Ernst, Hans, and C. W. Goodrich, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio. Hydraulic spindle stop. 2,043,406; June 9.
Eugene, Ltd. (See Suter, Marcel J., assignor.)
Eyer, Benjamin F., Kansas City, Mo. Apparatus for determining the moisture content of a material. 2,043,241; June 9.
Eynon, Howard B., assignor to Stackpole Carbon Company, St. Marys, Pa. Method and blank for making brushes. 2,043,474; June 9.
Failor, Charles W., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,043,740; June 9.
Fairchild Aviation Corporation. (See Davis, Walter F., assignor.)
Farrington Manufacturing Company. (See Dugdale, Richard M., assignor.)
Faultless Manufacturing Company, The. (See Hardie, Harry, assignor.)
Faultless Rubber Company, The. (See Miller, Thomas W., assignor.)
Fays, René. (See Vautier, L. P. G., and Fays.)
Fehn, Joseph, San Antonio, and B. Schmidt, Lagrange, Tex. Bath apparatus. 2,043,741; June 9.
Feiler, Edmond J., Madison, Wis. Grease gun attachment. 2,043,407; June 9.
Feldbush, Harry A., Short Hills, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Multistage compressor. 2,043,535; June 9.
Felde, Adolf Z. (See Mambrauer, W., and Felde.)
Ferguson, Warren T., Waban, assignor to Anderson Manufacturing Company, Cambridge, Mass. Spring-cover and its manufacture. 2,043,536; June 9.
Ffield, Paul D., assignor to Goodyear-Zeppelin Corporation, Akron, Ohio. Welding material. 2,043,952; June 9.
Field, Albert, Dayton, Ohio. Dental flask for vulcanizing teeth. 2,043,475; June 9.
Fine, Abraham, Pittsburgh, Pa. Liquid dispenser. 2,043,478; June 9.
Fitz Simons, Ogden, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Solvent fractionation of motor fuel stock. 2,043,288; June 9.
Fleischer Mills, Inc., Te. (See Fleischer, Nathan I., assignor.)
Fleischer, Nathan I., assignor to The Fleischer Mills, Inc., Cincinnati, Ohio. Snap tape. 2,043,321; June 9.
Fleischman, George W., Long Beach, Calif. Self retaining lower denture. 2,043,742; June 9.
Flexible Fastener Corporation. (See Gaines, Eugene F., assignor.)
Fligg, James A. (See Wilson, William T., assignor.)
Flood, Carl A., assignor to Dennison Manufacturing Company, Framingham, Mass. Printing and embossing. 2,043,432; June 9.
Flood City Brass & Electric Company. (See Replogle, Charles N., assignor.)
Florence Pipe Foundry & Machine Company. (See Camerota, Louis A., assignor.)
Florman, Irving, New York, N. Y. Electric water heater. 2,043,510; June 9.
Florman, Irving, New York, N. Y. Holder for lip sticks or the like. 2,043,890; June 9.
Folk, Joseph, assignor to U. S. Slicing Machine Company, La Porte, Ind. Meat slicer. 2,043,850; June 9.
Food Machinery Corporation. (See Thompson, Albert R., assignor.)
Foothorap, Harry A., Harrisburg, Pa., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y. Writing computing machine. 2,043,580; June 9.
Foothorap, Harry A., Harrisburg, Pa., assignor to Underwood Elliott Fisher Company, New York, N. Y. Collating means. 2,043,581; June 9.
Ford, Julius C., Memphis, Tenn. Automobile headlight. 2,043,289; June 9.
Forsberg, Erik A., Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Centrifugal machine. 2,043,350; June 9.
Fostoria Pressed Steel Corporation, The. (See Sorenson, N. A., and Walters, assignors.)
Fourness, Charles A., Appleton, and J. T. Whelan, Menasha, Wis., assignors to International Cellucotton Products Company, Chicago, Ill. Making a tissue paper product. 2,043,351; June 9.
Fowler, Lester T., Onklyn, N. J., assignor to Radio Corporation of America. Radio receivers. 2,043,582; June 9.
Frank, Harrison J. L., Highland Park, assignor to Bulldog Electric Products Company, Detroit, Mich. Bus duct. 2,043,796; June 9.
Frary, Francis C., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Alumina production. 2,043,743; June 9.
Frost, Paul, Munich-Neuharlaching, and L. Beckenbauer, Munich, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Roll film camera. 2,043,612; June 9.
Fuchs, Harry B., Brooklyn, N. Y. Electrical device. 2,043,744; June 9.
Fuerst, Carl C., assignor to Eastman Kodak Company, Rochester, N. Y. Leak light protection. 2,043,926; June 9.
Fuog, Harry L. (See McBride, Samuel R., assignor.)
G-M Laboratories, Inc. (See McMaster, Archie J., assignor.)
Gabb, Archibald H., Bristol, assignor to The Tan-Sad Chair Company (1931) Limited, Birmingham, England. Back rest or support for a chair, seat, or the like. 2,043,433; June 9.
Gagnier, George E. (See Place, Bion C., assignor.)
Gagnon, Louis L. (See Styll, H. H., and Gagnon.)
Gaines, Eugene F., Merion, assignor to Flexible Fastener Corporation, Philadelphia, Pa. Fastener. 2,043,745; June 9.
Gairoard, Camille L., West Orange, assignor to Kraeuter & Company, Inc., Newark, N. J. Pliers. 2,043,378; June 9.
Galante, Aldo, Genoa, Italy. Automatical gradual clutch. 2,043,322; June 9.
Garner, Ben, Sr. (See Knox, J. H., and Garner.)
Garstang, William W., Indianapolis, Ind. Vibrator. 2,043,290; June 9.

Garstang, William W., Indianapolis, Ind. Cartridge type vibrator. 2,043,746; June 9.

Gaston, A. D., et al. (See Bullum, Stephen, assignor.)

Gebhard, Louis A., Washington, D. C. High frequency oscillator. 2,043,242; June 9.

Geiger, Ernst, Irvington, N. J. Electrical control mechanism. 2,043,699; June 9.

Geibman, Louis, Yonkers, N. Y. Snow plane and scooter plane. 2,043,374; June 9.

General Aniline Works, Inc. (See Münz, F., and Bayer, assignors.)

General Electric Company. (See Atchison, Leonard W., assignor.)

General Electric Company. (See Bixler, Harley H., assignor.)

General Electric Company. (See Harrington, Richards H., assignor.)

General Electric Company. (See Sabbah, C. A., and Anderson, assignors.)

General Electric Company. (See Teare, Benjamin R., Jr., assignor.)

General Electric Company. (See Thearle, Ernest L., assignor.)

General Fireproofing Company, The. (See Gourley, G. T., and Malat, assignors.)

General Motors Corporation. (See Dyer, J. B., and Edwards, assignors.)

General Motors Corporation. (See McDorman, Paul, assignor.)

General Printing Ink Corporation. (See Koppe, Alexander T., assignor.)

Getty, Andrew J. G., and T. A. Luke, McComas, W. Va. Conveyer loader. 2,043,747; June 9.

Gibbons, John S. (See Coutts, M. W., and Gibbons.)

Gilby Wire Company. (See Marino, Anthony J., assignor.)

Gilkeson, Adlai H., et al. (See Oglesby, N. E., Kessler, and Gilkeson.)

Gillette Safety Razor Company. (See Muros, Joseph, assignor.)

Glen-Dar Can Co. (See Darling, Frank L., assignor.)

Goetz, Maurus. (See Bracken, S., and Goetz.)

Goncarova, Victoria, New York, N. Y. Cosmetic preparation. 2,043,657; June 9.

Goodrich, Charles W. (See Ernst, H., and Goodrich.)

Goodyear-Zeppelin Corporation. (See Ffield, Paul D., assignor.)

Gothaer Waggonfabrik, Aktiengesellschaft. (See Culemeyer, Johann, assignor.)

Gourley, Glenn T., and F. J. Malat, assignors to The General Fireproofing Company, Youngstown, Ohio. Follower for filing drawers. 2,043,323; June 9.

Graitcer, Tana, Philadelphia, Pa. Foot construction for dolls or the like. 2,043,658; June 9.

Grant, Albert E., New York, and S. W. Vanderbeek, Manhasset, N. Y. Socket plug. 2,043,851; June 9.

Grant, Donald R., Canajoharie, and E. J. Hambrecht, Palatine Bridge, assignors to Beech-Nut Packing Company, Canajoharie, N. Y. Package and producing the same. 2,043,829; June 9.

Grant, Donald R., Canajoharie, and E. J. Hambrecht, Palatine Bridge, assignors to Beech-Nut Packing Company, Canajoharie, N. Y. Machine for wrapping articles. 2,043,830; June 9.

Grauer, Solomon, Brooklyn, N. Y. Tamperproof closure seal. 2,043,243; June 9.

Grave, Otto, Peine Hannover, Germany. Piling. 2,043,891; June 9.

Gray-Arntzen Co. (See Arntzen, Ole B., assignor.)

Gray, Herbert E. (See Erickson, A. M., and Gray.)

Greenfield Tap Die Corporation. (See Koonz, E. R., and Koehler, assignors.)

Greiman, George H., Garner, Iowa. Lifting jack. 2,043,479; June 9.

Grower, William F., trustee, et al. (See Pratt, Harry P., assignor.)

Grunig, Bernhard C. (See Tratsch, W., and Grunig.)

Guenther, Fritz, J. Conrad, and K. Saftien, Ludwigshafen-on-the-Rhine, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Carboxylates of aliphatic alcohols with non-aromatic sulphonic carboxylic acids. 2,043,476; June 9.

Haas, Eugene F., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 2,043,408; June 9.

Hacklander, Hans, Tinley Park, assignor to Union Special Machine Company, Chicago, Ill. Cup feed machine. 2,043,748; June 9.

Hacklander, Hans, Tinley Park, assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing machines. 2,043,749; June 9.

Hagedorn, William F., St. Louis, Mo. Toilet flusher. 2,043,434; June 9.

Hall, C. M. Lamp Company. (See Worden, Norbert P., assignor.)

Hall, Elwin B. (See Armentrout, A. L., and Hall.)

Halter, Adolph A., Cleveland, Ohio. Valve for liquid fuel burners. 2,043,892; June 9.

Hambrecht, Edward J. (See Grant, D. R., and Hambrecht.)

Hamilton, Arthur T., assignor to F. S. Riley, Kansas City, Mo. Game device. 2,043,291; June 9.

Hamilton, Charles E., Sr., Hollywood, Calif., assignor to H. R. Hering, South Orange, N. J. Spring pad mounting for pressing machines. 2,043,537; June 9.

Hamm, James I., Fairfield, assignor to The Bridgeport Coach Lace Company Incorporated, Bridgeport, Conn. Door weather strip. 2,043,700; June 9.

Handley, John, C. and R. H. Suckling, London, England. Indicator. 2,043,511; June 9.

Hane, Carl O., assignor to Storm Manufacturing Co., Inc., Minneapolis, Minn. Caliper attachment for cutter heads and the like. 2,043,613; June 9.

Hane, Carl O., assignor to Storm Manufacturing Co., Inc., Minneapolis, Minn. Cutter head for boring machines. 2,043,614; June 9.

Hankins, Cyrus. (See Wine, W. E., and Hankins.)

Hankins, Cyrus, Washington, D. C. Railway car. 2,043,615; June 9.

Hankins, Cyrus, Washington, D. C. Railway car. 2,043,616; June 9.

Hanraban, Walter, St. Louis, Mo. Liquid depth gauge. 2,043,435; June 9.

Harbison, Clarence B., assignor to The Ohio Steel Foundry Company, Lima, Ohio. Return bend fitting. 2,043,436; June 9.

Hardie, Harry, assignor to The Faultless Manufacturing Company, Baltimore, Md. Band for garments. 2,043,538; June 9.

Harding, Robert, J., Elmsford, N. Y., assignor to National Television Corporation, Wilmington, Del. Television transmitting apparatus. 2,043,245; June 9.

Harrall, Edwin R., Englewood, and R. D. Parrott, West New York, N. J., assignors to The Western Union Telegraph Company, New York, N. Y. Deflection dynamometer. 2,043,953; June 9.

Harrington, Richards H., Schenectady, N. Y., assignor to General Electric Company. Hardening cobalt steel. 2,043,533; June 9.

Harris, Sidney E. (See Christiansen, W. G., and Harris.)

Harrison, Edward C. (See Harrison, William H., and E. C.)

Harrison, Paul E., Nashville, Tenn., assignor to Du Pont Rayon Company, New York, N. Y. Processing artificial thread. 2,043,750; June 9.

Harrison, William H., and E. C. Harrison, Los Angeles, Calif. Camera. 2,043,539; June 9.

Harshberger, Norman P., Scarsdale, assignor to Bakelite Building Products Co. Inc., New York, N. Y. Building element. 2,043,959; June 9.

Hart, George B., Brighton, N. Y. Sectional beauty vase. 2,043,375; June 9.

Hartman, Frank E., assignor of one-third to F. H. Montgomery and one-third to W. R. Montgomery, Chicago, Ill. Ozone machine. 2,043,701; June 9.

Hartzell Industries, Inc. (See Charavay, Frederick, assignor.)

Hatta, Toshiro. (See Igarashi, M., and Hatta.)

Hauffman, Axel W., and T. Zetterberg, Stockholm, Sweden. Fish lure. 2,043,244; June 9.

Hanghawout, Linton A., North Bend, Oreg. Carrying and display case. 2,043,617; June 9.

Havenner, Vernon. (See Phillips, M. C., and Havenner.)

Havill, Clinton H., South Orange, assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Balancing machine. 2,043,618; June 9.

Hawie Manufacturing Co., The. (See Hawie, Michael, assignor.)

Hawie, Michael, Greens Farms, assignor to The Hawie Manufacturing Co., Bridgeport, Conn. Garment supporter. 2,043,751; June 9.

Hawkes, Thomas B., Champlain, N. Y., assignor of one-half to The Sheridan Iron Works, and one-half to The T. W. & C. B. Sheridan Company. Power press. 2,043,246; June 9.

Hazeltine, Rachel C., San Jose, Calif. Bathroom fixture. 2,043,540; June 9.

Heath, Oliver J. (See Yaker, G. F., and Heath.)

Hedges, James A., Chicago, Ill. Filing cabinet. 2,043,893; June 9.

Heitmann, Heinrich, Magdeburg, assignor to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Apparatus for the continuance extraction of material. 2,043,409; June 9.

Henley, Tom A., Vilonia, Ark. Plow. 2,043,619; June 9.

Hercules Powder Company. (See Humphrey, Irvin W., assignor.)

Hering, Henry R. (See Hamilton, Charles E., Sr., assignor.)

Herriger, Felix, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Electron discharge device. 2,043,659; June 9.

Herrington, George S., trustee et al. (See Pratt, Harry P., assignor.)

Hettinger, Victor, Selestat, France. Device for recuperating heat in cooking foodstuffs or the like. 2,043,437; June 9.

Hillman, Albert G., assignor to Colourgravure Limited, London, England. Light dividing device. 2,043,292; June 9.

Hirsch, Lewis A., Jersey City, and M. Mittelhammer, North Bergen, N. J. Display frame. 2,043,752; June 9.

Hoe, R., & Co. (See Quick, C. G., Ball, and Whitehead, assignors.)

Hoerth, A. J., and Company. (See Hoerth, Albert J., assignor.)

Hoerth, Albert J., assignor to A. J. Hoerth and Company, Chicago, Ill. Clamp or hook for printing plates. 2,043,660; June 9.

Hoffman, Grover C., New York, N. Y. Garment holder. 2,043,620; June 9.

Hofmann, Josef. (See Bergk, K., and Hofmann.)

Holland Brass Works, Inc. (See Liska, William F., assignor.)

Holmes, Henry H., assignor to Wildt and Company, Limited, Leicester, England. Knitting machine. 2,043,852; June 9.

Homer, William J., Hinsdale, assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill. Insulated wire. 2,043,702; June 9.

Homicke, Peter A., et al. (See Montgomery, Floyd E., assignor.)

Hommel, O. Company, The. (See Rosenberg, Jacob E., assignor.)

Hoover, Charles E., Lancaster, Pa. Solderless battery cable grip. 2,043,512; June 9.

Hoppe, William, assignor to National Bread Wrapping Machine Co., Springfield, Mass. Paper feed for wrapping machines. 2,043,376; June 9.

Horn, Elizabeth M., Yeadon, Pa. Food cooking and service table. 2,043,797; June 9.

Horton, Albert G. (See Buchanan, M. K., and Horton.)

Houde Engineering Corporation. (See Clifford, Walter B., assignor.)

Houde Engineering Corporation. (See Peo, Ralph F., assignor.)

Houde Engineering Corporation. (See Whitted, John B., assignor.)

Howe, Andrew F., University City, Mo. Centrifugal driving mechanism. 2,043,661; June 9.

Howe, Andrew F., University City, Mo. Centrifugal driving mechanism. 2,043,662; June 9.

Howe, Andrew F., University City, Mo. Centrifugal driving mechanism. 2,043,663; June 9.

Howell, Albert S., assignor to The Bell & Howell Company, Chicago, Ill. Photographic printing machine. 2,043,853; June 9.

Hubbard, John R., assignor to Peter Cooper Corporations, Gowanda, N. Y. Waterproofing composition and process. 2,043,324; June 9.

Hubbard, Karl H., assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 2,043,583; June 9.

Hubbell, Harvey, Jr., Bridgeport, Conn. Gripping receptacle. 2,043,247; June 9.

Huber, Charles S., Davenport, Iowa. Trammel for animals. 2,043,410; June 9.

Hudson, James H. (See Sheppard, S. E., and Hudson.)

Hughes, Howard R., Oakland, Calif. Squeezer for collapsible tubes. 2,043,248; June 9.

Hughes, James W., Grosse Pointe, Mich. Cabinet. 2,043,664; June 9.

Hughes, W. J., & Sons Co. (See Robinson, James E., assignor.)

Hulse, Arthur F., assignor to Sharpe Manufacturing Company, Los Angeles, Calif. Striping machine. 2,043,377; June 9.

Hulshizer, George W., Stewartsville, assignor to Ingersoll-Rand Company, Jersey City, N. J. Rotation mechanism. 2,043,352; June 9.

Humphrey, Irvin W., Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del. Refining rosin. 2,043,513; June 9.

Husted, Harry A., Akron, assignor to J. W. Macklin, Cleveland, Ohio, trustee. Method and apparatus for thermoplastic molding. 2,043,584; June 9.

Husted, Harry F., Benton, assignor to T. A. Morie, Tomhichena, Pa. Portable seesaw. 2,043,894; June 9.

Hyatt, Louis C., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y. Valve for bus heaters. 2,043,798; June 9.

I. G. Farbenindustrie Aktiengesellschaft. (See Guenther, F., Conrad and Saftien, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Klein, R., Ulrich, and Koerding, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Smeykal, Karl, assignor.)

Ibañez Valenzuela, Julio A. M., Providencia, Santiago, Chile. Determining stresses on a loaded structure. 2,043,910; June 9.

Igarashi, Masaji, and T. Hatta, assignors to Kao Sekken Kabushiki Kaisha Nagase Shokai, Tokyo, Japan. Apparatus for manufacturing a fibrous soap. 2,043,878; June 9.

Illinois Clay Products Company et al. (See Jones, Otis L., assignor.)

Imschweiler, John, Inglewood, Calif. Automatic poultry fountain valve. 2,043,477; June 9.

Industrial Patents Corporation. (See Bech, Joseph, assignor.)

Industrial Patents Corporation. (See Davis, Elmer M., assignor.)

Industrial Patents Corporation. (See Droege Orville E., assignor.)

Industrial Patents Corporation. (See Paddock, L. S., and Rinehart, assignors.)

Industrial Patents Corporation. (See Walter, Charles T., assignor.)

Ingersoll-Rand Company. (See Hulshizer, George W., assignor.)

International Braid Company. (See Dennis, John R., assignor.)

International Business Machines Corporation. (See Bryce, James W., assignor.)

International Business Machines Corporation. (See Lake, Clair D., assignor.)

International Business Machines Corporation. (See Simpson, Albert H., assignor.)

International Cellucotton Products Company. (See Fourness, C. A., and Whelan, assignors.)

International Motor Company. (See Walker, John, assignor.)

Intertype Corporation. (See Turner, Ransom H., assignor.)

Iversen, Lorenz, Pittsburgh, and C. L. Raisig, Coraopolis, assignors to Mesta Machine Company, Homestead, Pa. Apparatus for forming tubes. 2,043,665; June 9.

Jackson, George H., Jr., Evanston, Ill. Sanitary pad. 2,043,325; June 9.

Jamieson, Hugh, Stamford, Conn. Finishing wood. 2,043,541; June 9.

Jenaer Glaswerk Schott & Gen. (See Bartsch, Otto, assignor.)

Jennings, Chester S., assignor to The Lamson Company, Syracuse, N. Y. Conveyer system. 2,043,293; June 9.

Jerguson, Philip A., West Medford, Mass. Water level gauge. 2,043,753; June 9.

Johnson, Corydon M., Freeport, N. Y. Running gear for vehicles. 2,043,542; June 9.

Johnson, Edgar F., Waseca, Minn. Transposition insulator. 2,043,754; June 9.

Johnson, George W., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Pressing machine for shirts and the like. 2,043,326; June 9.

Johnson, George W., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Ohio. Pressing machine and maintaining means. 2,043,480; June 9.

Johnson, Selvar G., Chicago, Ill. Stencilling device. 2,043,438; June 9.

Jokela, Lawrence, and V. J. Procita, Brooklyn, N. Y. Tie-holding attachment for shirts. 2,043,799; June 9.

Jones, Harry C., New York, N. Y. Offset proof press mechanism. 2,043,543; June 9.

Jones, Lloyd T., H. E. Kennedy, and M. A. Rotermund, Berkeley, Calif., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Electric welding. 2,043,960; June 9.

Jones, Otis L., assignor of one-half to Illinois Clay Products Company, and one-half to F. E. Schundler & Company, Inc., Joliet, Ill. Plastic refractory insulating material. 2,043,249; June 9.

Jones, Thomas D., Metuchen, N. J., and J. C. Reinhardt, Omaha, Nebr., assignors to American Smelting and Refining Company, New York, N. Y. Detinning lead alloys. 2,043,575; June 9.

Judd, Ernest S., Nashville, Tenn. Fluid mixer. 2,043,621; June 9.

Justus, James E., Butler, Mo. Filter. 2,043,379; June 9.

K-S Specialty Company. (See Klein, Henry.)

Kalvin, Louis, New York, N. Y. Dental impression supporting tray. 2,043,294; June 9.

Kalvin, Louis, New York, N. Y. Dental impression parting tool. 2,043,831; June 9.

Kao Sekken Kabushiki Kaisha Nagase Shokai. (See Igarashi, M., and Hatta, assignors.)

Karcher, John C., et al. (See McCarty, Madison P., assignor.)

Karolus, August, Leipzig, Germany, assignor to Radio Corporation of America. Television apparatus. 2,043,800; June 9.

Kasdan, Nathan, New York, and R. F. Landwehr, Laurelton, Long Island, assignors to Majestic Metal Specialties, Inc., New York, N. Y. Lip stick holder. 2,043,250; June 9.

Kathon Limited. (See Whiston, H. W., and McIvor and Thein, assignors.)

Kaufman, Gus, Beacon, assignor to The Texas Company, New York, N. Y. Lubricants. 2,043,961; June 9.

Kaufman, Gus, Beacon, assignor to The Texas Company, New York, N. Y. Lubricants. 2,043,962; June 9.

Keller, Fred, New Kensington, assignor to Aluminum Company of America, Pittsburgh, Pa. Aluminum welding rod. 2,043,855; June 9.

Kempe, Adolf. (See Burwell, A. W., and Kempe.)

Kempthorne, James L., Montclair, N. J. Rotary engine. 2,043,544; June 9.

Kennedy, Harry E. (See Jones, L. T., Kennedy and Rotermund.)

Kershaw, William E., Gwynedd Valley, assignor to The Electric Storage Battery Company, Philadelphia, Pa. Separative diaphragm for electrolytic cells and producing the same. 2,043,954; June 9.

Kerwin, Philip A., Detroit, Mich., assignor to City of Detroit, Department of Street Railways, Wayne County, Mich. Concrete tamping device. 2,043,585; June 9.

Kessler, Sebastian W., et al. (See Oglesby, N. E., Kessler, and Gilkeson.)

Kimball, Wallace D., Jackson Heights, assignor to Standard-Knapp Corporation, Long Island City, N. Y. Can packing machine. 2,043,411; June 9.

King, Daniel P., Goodwood, Australia. Carburetor. 2,043,801; June 9.

Kingsbury, Fred B., assignor to The Whitney Blake Company, Hamden, Conn. Electric connecter plug. 2,043,666; June 9.

Kingsbury, George P., Hollis, N. Y., assignor to Mergenthaler Linotype Company. Slug casting machine. 2,043,755; June 9.

Kirkpatrick, William J., and F. G. Whittington, Garden City, N. Y., assignors, by mesne assignments, to Scovill Manufacturing Company, Waterbury, Conn. Tire valve. 2,043,380; June 9.

Kirschbraun, Lester, Leonia, N. J., assignor to The Patent and Licensing Corporation, Boston, Mass. Making shingle strips. 2,043,545; June 9.

Klein, Henry, Philadelphia, assignor to Samuel Silver, Glenside, Pa., trading as K-S Specialty Company. Trap plug. 2,043,412; June 9.

Klein, Richard, H. Ulrich, and P. Koerding, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Soaking of hides. 2,043,667; June 9.

Kliesrath, Victor W. (See Bragg, C. S., and Kliesrath.)

Klotz, Abraham I., New York, N. Y. Protecting framing for brief cases. 2,043,833; June 9.

Klute, Samuel, assignor to The Malleable Steel Range Manufacturing Co., South Bend, Ind. Stove lid lifter. 2,043,439; June 9.

Knapp, Ray, Rochester, N. Y. Apparatus for dispensing beer. 2,043,856; June 9.

Knox, Harry A., Davenport, Iowa, and T. H. Nixon, Gettysburg, Pa. Transmission. 2,043,251; June 9.

Knox, Jean H., and B. Garner, Sr., Dallas, Tex. Form grading and subgrading machine. 2,043,413; June 9.

Kobe, Seiko-sho, Ltd. (See Odajima, Shuzo, assignor.)

Koehler, Oscar E. (See Koonz, E. R., and Koehler.)

Koenig, Fred, Tottenville, N. Y. Apparatus to facilitate insertion of armatures within casings. 2,043,546; June 9.

Koepp, Rudolph, & Co., Chemische Fabrik A. G. (See Elöd, E., and Dragendorff, assignors.)

Koerding, Paul. (See Klein, R., Ulrich, and Koerding.)

Kohler, Carl J., Kohler, Wis. Diverter valve. 2,043,668; June 9.

Koonz, Earl R., and O. E. Koehler, assignors to Greenfield Tap and Die Corporation, Greenfield, Mass. Tube threading device. 2,043,353; June 9.

Koppe, Alexander T., Passaic, N. J., assignor to General Printing Ink Corporation, New York, N. Y. Photo composing machine. 2,043,802; June 9.

Korff, Fred H., Bayside, N. Y. Marker for highways. 2,043,414; June 9.

Kraeuter & Company. (See Gairoard Camille L., assignor.)

Kraftile Co. (See Myers, Albert C., assignor.)

Krassny, Jacques, assignor to Osten Chemical Corporation, New York, N. Y. Diamino-pyridine o-hydroxy benzoic acid salts. 2,043,547; June 9.

Kratz, Michael W., Philadelphia, Pa. Hypodermic syringe. 2,043,832; June 9.

Krisslep, Reinhard, Frankfort-on-the-Main, and W. Lincus, Dusseldorf, Germany, assignors to American Lurgi Corporation, New York, N. Y. Method of and apparatus for securing propeller blades in the hub. 2,043,481; June 9.

Krofta, James, Ponoka, Alberta, Canada. Log peeling implement. 2,043,622; June 9.

Kronbach, Edwin W., Cleveland, Ohio, assignor, by mesne assignments, to Joe Lowe Corporation. Molding apparatus. 2,043,252; June 9.

Kronbach, Edwin W., Cleveland Heights, assignor to Una Welding, Inc., Cleveland, Ohio. Welding electrode. 2,043,927; June 9.

Kronheim, Jacob, Cleveland, Ohio. Machine for making stuffing for furniture. 2,043,586; June 9.

Krupp, Fried., Grusonwerk Aktiengesellschaft. (See Heitmann, Heinrich, assignor.)

Kutchera, Alfred J., Philadelphia, Pa. Processing apparatus. 2,043,969; June 9.

Laird, B. L., et al. (See McCarty, Madison P., assignor.)

Lake, Clair D., Binghamton, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Electric card counter. 2,043,295; June 9.

Lalancette, Joseph O., Springfield, Mass. Free vision windshield. 2,043,756; June 9.

Lamb, Albert L. (See Briggs, O. B., and Lamb.)

Lamson Company, The. (See Jennings, Chester S., assignor.)

Landis Machine Company. (See Newman, Samuel F., assignor.)

Landwehr, Richard F. (See Kasdan, N., and Landwehr.)

Lane, Edward K., Houston, Tex. Automatically orienting whipstock. 2,043,381; June 9.

Lange, Fritz. (See Brasch, A., and Lange.)

Lansing, Raymond P., Montclair, and R. M. Nardone, assignors, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Engine starting apparatus. 2,043,623; June 9.

Lapeyrouse, Lawrence L., Chickasaw, Ala. Felt cleaner for paper mills. 2,043,415; June 9.

Larrosa, Eladio A., Bilbao, Spain. Carburetor. 2,043,895; June 9.

Larsen, Adolph, and G. W. Williams, Sanish, N. Dak. Barrel jack. 2,043,896; June 9.

Lawrence, James C. (See Amick, M. G., Lawrence and Stecher.)

Lay, Harry J., Portland, Ind. Broom. 2,043,757; June 9.

Lay, Harry J., Portland, Ind. Street push broom. 2,043,758; June 9.

Leib, August, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Direction finding. 2,043,624; June 9.

Leitz, Ernst G. m. b. H. (See Lux, Christian, assignor.)

Lennox Furnace Company. (See Norris, John W., assignor.)

Leonard, Stephen, Detroit, Mich., assignor, by mesne assignments, to Borg-Warner Corporation. Burner tray. 2,043,382; June 9.

Leopold, Howard F. (See Renwick, Herbert P., assignor.)

Les Petits-Fils de Francois de Wendel & Cie. (See Weber, Guillaume, assignor.)

Levey, Harold A., New Orleans, La. Food protecting material. 2,043,897; June 9.

Lewis, Edmund W. (See Wright, F. H., and Lewis.)

Lewis, George S., Evanston, assignor to Battery Patents Corporation, Chicago, Ill. Bicycle frame. 2,043,759; June 9.

Lewis, Julian E. (See Boll, S. H., and Lewis.)

Liberty Share Corporation. (See Morgan, Porter S., assignor.)

Lindner, Herbert, Berlin, Germany. Adjustment of the carriage of machine tools. 2,043,625; June 9.

Linicus, Werner. (See Krisallep, R., and Linicus.)

Link, John H. (See Lounsbury, H. J., and Link.)

Link, John H., Merion, Pa., assignor to W. H. Miner, Inc., Chicago, Ill. Draft rigging. 2,043,383; June 9.

Liska, William F., assignor to Holland Brass Works, Inc., Chicago, Ill. Pris-dieu. 2,043,669; June 9.

Littlefield, Henry S., San Bernardino, Calif. Interlocking device. 2,043,440; June 9.

Locke Insulator Corporation. (See Van Atta, Cloyd B., assignor.)

Locomotive Firebox Company. (See Christenson, Gust J., assignor.)

Loder, Donald J., Wilmington, and E. D. Ries, Gordon Heights, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of monochloroisobutyric acid. 2,043,670; June 9.

Lord, Oswald B., New York, N. Y., assignor to Parker Brothers, Inc., Salem, Mass. Board game apparatus. 2,043,482; June 9.

Lord, William R., Matawan, N. J., assignor to American Can Company, New York, N. Y. Container pouring spout. 2,043,253; June 9.

Losch, Bernard J. (See Cunningham, G. L., and Losch.)

Lounsbury, Harvey J., Glen Ellyn, Ill., and J. H. Link, Merion, Pa., assignors to W. H. Miner, Inc., Chicago, Ill. Combined draft and buffing gear. 2,043,384; June 9.

Lowe, Joe, Corporation. (See Kronbach, Edwin W., assignor.)

Lubriplate Corporation. (See Watts, Robert L., assignor.)

Luchsinger, Emil, Steinegg, Wiesendangen, assignor to Sulzer Frères Société Anonyme, Winterthur, Switzerland. Internal combustion engine scavenging system. 2,043,296; June 9.

Ludwig, Anthony, Washington, D. C. Photographic printing machine or apparatus. 2,043,928; June 9.

Lueg, Paul, Kirchstrasse, Germany. Silencing sound oscillations. 2,043,416; June 9.

Luft, John H., Providence, R. I. Flower holder. 2,043,297; June 9.

Luke, Thomas A. (See Getty, A. J. G., and Luke.)

Luz, Christian, assignor to Ernst Leitz G. m. b. H., Wetzlar, Germany. Enlargement apparatus with automatic focusing device. 2,043,970; June 9.

Lynch, Harold E., assignor to The Ottawa River Paper Company, Toledo, Ohio. Display stand. 2,043,483; June 9.

Lyon, Bethuel B. V., Rosemont, Pa. Antiseptic container for tooth brushes. 2,043,629; June 9.

Lyon, Charles E. (See Windecker, C. N., and Lyon.)

Maatschappij van Berkel's Patent N. V. (See Windemuller, Jan H., assignor.)

Macalpine, William W., East Orange, N. J., assignor to Communication Patents Inc., New York, N. Y. Distortionless transmission system. 2,043,587; June 9.

MacGregor, Roderick M. (See Peter, L. H., and MacGregor.)

Macklin, Justin W., trustee. (See Husted, Harry A., assignor.)

Main, David W., Oklahoma City, Okla. Vehicle guide means. 2,043,703; June 9.

Maiuri, Guido, Aldwych, London, assignor to Maiuri Refrigeration Patents Limited, London, England. Absorption refrigerating machine. 2,043,548; June 9.

Maiuri Refrigeration Patents Limited. (See Maiuri, Guido, assignor.)

Majestic Company, The. (See Redrup, Will D., assignor.)

Majestic Metal Specialties, Inc. (See Kasdan, N., and Landwehr, assignors.)

Malat, Frank J. (See Gourley, G. T., and Malat.)

Malcolm, James A., Sheriden, Pa. Tooth brush. 2,043,898; June 9.

Malisoff, William M., assignor to The Atlantic Refining Company, Philadelphia, Pa. Treatment of hydrocarbon oil. 2,043,254; June 9.

Malleable Steel Range Manufacturing Co., The. (See Klute, Samuel, assignor.)

Mallina, Rudolph F., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Film feeding mechanism. 2,043,354; June 9.

Malm, Carl J., assignor to Eastman Kodak Company, Rochester, N. Y. Stabilizing of cellulose esters. 2,043,899; June 9.

Malvey, Edward J., assignor to The Chase Companies, Incorporated, Waterbury, Conn. Display card for safety pins and similar articles. 2,043,385; June 9.

Marbury, Ralph E., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Air conditioning apparatus. 2,043,834; June 9.

Marino, Anthony J., Union City, assignor to Gilby Wire Company, Newark, N. J. Coating ferrous strip material. 2,043,549; June 9.

Markels, Leonard, New York, N. Y. Apparatus for arresting sparks and purifying exhaust gases. 2,043,298; June 9.

Marks, William S., Jr., Fort Monmouth, N. J. System of screen grid modulation. 2,043,255; June 9.

Marsh, Harry E., Cleveland Heights, assignor to Marsh Wall Tile Company, Dover, Ohio. Price tag molding. 2,043,760; June 9.

Marsh Wall Tile Company. (See Marsh, Harry E., assignor.)

Marshall, Frank G., Fortuna, Mo. Chinch bug destroying machine. 2,043,761; June 9.

Martin, William J., Nutley, N. J. Linebolder. 2,043,299; June 9.

Marvin, John T., assignor to The Cleveland Heater Company, Cleveland, Ohio. Gas cock. 2,043,971; June 9.

Mathieson Alkali Works, Inc., The. (See Cunningham, G. L., and Losch, assignors.)

Maxim Silencer Company, The. (See Bourne, Roland B., assignor.)

McAllister, Summer H. (See de Simó, M., and McAllister.)

McBride, Samuel R., Long Beach, assignor to H. L. Fuogg, Los Angeles, Calif. Metals and forming same. 2,043,387; June 9.

McCabe, Ira E., Chicago, Ill. Double adjustment control. 2,043,441; June 9.

McCann, Michael, Ozone Park, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Button sewing machine. 2,043,929; June 9.

McCarty, Madison P., assignor of part interest to W. Clark, and B. L. Laird, San Francisco, G. B. Moody, Glendale, Calif., and E. R. Wall, Victoria, L. W. Orynski, R. H. Morrison, F. A. Davies, J. C. Karcher, and H. W. Bass, Dallas, Tex. Electromagnetic motor. 2,043,386; June 9.

McCoy, Charles W., Spokane, Wash. Liquid circulating system. 2,043,762; June 9.

McCullough, William E., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Cadmium-cobalt bearing alloy. 2,043,588; June 9.

McDorman, Paul, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Cleaning process. 2,043,300; June 9.

McGuinness, Bernard A., Belmont, Mass. Window grating. 2,043,835; June 9.

McIvor, George A. B. (See Whiston, H. W., McIvor, and Thein.)

McKenna Brass & Manufacturing Company. (See De Markus, Louis, assignor.)

McLeod, Robert D., Jr., U. S. Army, Aberdeen, Md. Cartridge for projectiles. 2,043,256; June 9.

McMaster, Archie J., assignor to G-M Laboratories, Inc., Chicago, Ill. Lighting system controlled by photoelectric cell. 2,043,671; June 9.

McNeil, James E., Memphis, Tenn. Tool holder. 2,043,442; June 9.

McPherren, Glen E., San Diego, Calif. Aircraft. 2,043,704; June 9.

Meinzer, Gotthold H., Glendale, Calif. Removing fluorine from potable waters. 2,043,705; June 9.

Mekelburg, Earl F., Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich. Pressure switch. 2,043,803; June 9.

Melhuish, Lawrence E., Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Carrier telegraph receiver. 2,043,355; June 9.

Mennesson, Marcel, assignor to "Societe Anonyme Solex", Neuilly-sur-Seine, France. Carburetor. 2,043,514; June 9.

Merco Nordstrom Valve Company. (See Nordstrom, Sven J., assignor.)

Mergenthaler Linotype Company. (See Kingsbury, George P., assignor.)

Merrill, David R., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Producing lubricating oil. 2,043,388; June 9.

Merrill, David R., Long Beach, assignor to Union Oil Company of California, Los Angeles, Calif. Solvent extraction of oil. 2,043,389; June 9.

Merryweather, George E., assignor to Motch & Merryweather Machinery Company, Cleveland, Ohio. Centerless grinding machinery. 2,043,972; June 9.

Mesta Machine Company. (See Iversen, L., and Raisig, assignors.)

Meyer, Geo. J., Manufacturing Company. (See Meyer, George J., and G. L. N., assignors.)

Meyer, George J., Milwaukee, Wis., and G. L. N. Meyer, Jackson Heights, N. Y., assignors to Geo. J. Meyer Manufacturing Company, Cudahy, Wis. Container handling machine. 2,043,763; June 9.

Meyer, George L. N. (See Meyer, George J., and G. L. N.)

Meyer, George L. N., Milwaukee, Wis. Treating and roasting coffee. 2,043,443; June 9.

Meyers, Frederick J. (See Carroll, T. E., and Meyers.)

Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Multiple image view finder. 2,043,900; June 9.

Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Photographic apparatus. 2,043,901; June 9.

Mihalyi, Joseph, assignor to Eastman Kodak Company, Rochester, N. Y. Automatic film window shutter. 2,043,902; June 9.

Millar, Russel W., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Manufacture of hydrocyanic acid. 2,043,930; June 9.

Miller, Benjamin, Richmond Hill, assignor to Doherty Research Company, New York, N. Y. Variable frequency stroboscope. 2,043,484; June 9.

Miller, Rudolph W., Winona, Minn. Lubricator. 2,043,764; June 9.

Miller, Thomas W., assignor to The Faultless Rubber Company, Ashland, Ohio. Heat exchanging container. 2,043,327; June 9.

Miner, W. H., Inc. (See Link, John H., assignor.)

Miner, W. H., Inc. (See Lounsbury, H. J., and J. H. Link, assignors.)

Missbach, Edmund C., Berkeley, Calif., assignor to Stauffer Chemical Company. Preservation of chlorinated hydrocarbons. 2,043,257; June 9.

Missbach, Edmund C., Oakland, Calif., assignor to Stauffer Chemical Company. Stabilized carbon tetrachloride. 2,043,258; June 9.

Missbach, Edmund C., Oakland, Calif., assignor to Stauffer Chemical Company. Stabilized carbon tetrachloride. 2,043,259; June 9.

Missbach, Edmund C., Oakland, Calif., assignor to Stauffer Chemical Company. Stabilized carbon tetrachloride. 2,043,260; June 9.

Mitchell, Doren, Bound Brook, N. J., assignor to American Telephone and Telegraph Company. Signaling system. 2,043,417; June 9.

Mittelhammer, Max. (See Hirsch, L. A., and Mittelhammer.)

Modisette, James O. (See Weller, Frank F., assignor.)

Monopower Corporation, The. (See Tyler, Tracy B., assignor.)

Monroe Auto Equipment Company. (See Becker, Fred P., assignor.)

Monroe Calculating Machine Company. (See Brown, Lee R., assignor.)

Montgomery, Floyd E., assignor of one-third to P. A. Homicke, and one-third to W. P. Soneson, Duluth, Minn. Vehicle body construction. 2,043,804; June 9.

Montgomery, Fred H., et al. (See Hartman, Frank E., assignor.)

Montgomery, Philip, West Hartford, Conn. Liquid leakage detector. 2,043,857; June 9.

Montgomery, W. Ray, et al. (See Hartman, Frank E., assignor.)

Moody, Graham B., et al. (See McCarty, Madison P., assignor.)

Moon, Carl, Detroit, Mich. Wringer release mechanism. 2,043,390; June 9.

Moon, Charles C., Derby, Kans. Gauge for grading machine blades. 2,043,391; June 9.

Moore, Frederick T., West Hartford, assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Ejector guide for automatic machine guns. 2,043,485; June 9.

Moore, Walter D., Chattanooga, Tenn. Protector cover for trucks. 2,043,858; June 9.

Moore, William E., Pittsburgh, and G. L. Simpson, Coraopolis Heights, assignors to Pittsburgh Research Corporation, Pittsburgh, Pa. Burning carbonates and apparatus therefor. 2,043,859; June 9.

Moran, James A. (See Ryan, V. H., and Moran.)

Moran, Robert C., Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Mineral oil composition. 2,043,836; June 9.

Morgan, John D., South Orange, N. J., assignor to Doherty Research Company, New York, N. Y. Motor timing method and apparatus. 2,043,931; June 9.

Morgan, Porter S., New York, assignor to Liberty Share Corporation, Buffalo, N. Y. Fluid meter. 2,043,963; June 9.

Morgan, Willard L., Nutley, N. J., assignor to Sylvania Industrial Corporation, Fredericksburg, Va. Preservation of substances. 2,043,860; June 9.

Morie, Titisanna A. (See Husted, Harry F., assignor.)

Morrison, R. H., et al. (See McCarty, Maddison P., assignor.)

Morrison, Willard L., Lake Forest, Ill. Arm rest. 2,043,626; June 9.

Morrison, Willard L., Lake Forest, Ill. Vehicle windshield. 2,043,672; June 9.

Morton, Charles, Pawtucket, R. I. Spinning frame. 2,043,765; June 9.
Mosshart, Donald J., Springfield, assignor to Westinghouse Electric Manufacturing Company, East Pittsburgh, Pa. Clinker grinder. 2,043,328; June 9.
Motch & Merryweather Machinery Company. (See Merryweather, George E., assignor.)
Mulder, Johannes G. W., and D. M. Duinker, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Rectifying circuit arrangement. 2,043,515; June 9.
Müller, Erich, Berlin-Spandau, Germany. Freewheel mechanism and back pedal brake. 2,043,486; June 9.
Müller, Ralph, Brooklyn, N. Y. Photoelectric colorimeter. 2,043,589; June 9.
Mumbrauer, William, and A. zum Felde, New York, N. Y. Door locking mechanism. 2,043,550; June 9.
Münz, Ferdinand, and O. Bayer, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Wetting agents for mercerizing solutions. 2,043,329; June 9.
Muros, Joseph, Belmont, assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor. 2,043,837; June 9.
Murray, Howard J., New York, N. Y., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill. Synchronizing device for automotive vehicles. 2,043,806; June 9.
Murray, Howard J., New York, N. Y., assignor, by mesne assignments to Borg-Warner Corporation, Chicago, Ill. Ball type cam synchronizer. 2,043,807; June 9.
Murray, Thomas F., Jr., assignor to Eastman Kodak Company, Rochester, N. Y. Light-filtering overcoating containing diphenylene oxide. 2,043,805; June 9.
Musham, Harry A., Chicago, Ill. Brake device. 2,043,444; June 9.
Myers, Albert C., assignor to Kraftile Co., Niles, Calif. Tiling. 2,043,706; June 9.
N. V. Philips' Gloeilampenfabrieken. (See Mulder, J. G. W., and Duinker, assignors.)
Naamloose Vennotschappij Industrielle Maatschappij Voorhein Noury and von der Lande. (See Van Thiel, Emile, assignor.)
Nagel, August, Stuttgart, Germany, assignor to Eastman Kodak Company, Rochester, N. Y. Camera latch. 2,043,903; June 9.
Nardone, Romeo M. (See Lansing, R. P., and Nardone.)
Nardone, Romeo M., assignor to Eclipse Aviation Corporation, East Orange, N. J. Starting mechanism. 2,043,627; June 9.
National Bread Wrapping Machine Co. (See Hoppe, William, assignor.)
National Broach & Machine Company. (See Rovick, John D., assignor.)
National Malleable and Steel Castings Company. (See Nekola, Harry O., assignor.)
National Radiator Corporation. (See Young, John L., assignor.)
National Superior Company, The. (See Young, Forrest J., assignor.)
National Television Corporation. (See Harding, Robert, Jr., assignor.)
Neal, Oliver L., Beaumont, Tex. Patch bolt. 2,043,861; June 9.
Nekola, Harry O., Cleveland Heights, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio. Manufacture of journal boxes. 2,043,551; June 9.
Nelkin, Frances, New York, N. Y. Hat. 2,043,330 June 9.
Nelson, Charles S., assignor to The Carborundum Company, Niagara Falls, N. Y. Manufacturing rubber bonded abrasive articles. 2,043,766; June 9.
Nelson, Martin L., Park Ridge, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Electric sign. 2,043,707; June 9.
Ness, Charles. (See Baker, H. J., and Ness.)
Neuland, Alfons H. Irvington, N. J. Gearing. 2,043,261; June 9.
Newman, Samuel F., assignor to Landis Machine Company, Waynesboro, Pa. Thrading device. 2,043,862; June 9.
Newmark, Joseph, New York, assignor to Die Casting Corporation of America, Elmhurst, N. Y. Valve stem handle. 2,043,418; June 9.
News Projection Corporation. (See Eitzen, August D., assignor.)
Nichols Copper Company. (See Dyer, John P., assignor.)
Nicholson, Frank H., Edgewood, and H. W. Bryan, Wilkinsburg, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,043,767; June 9.
Nicholson, Frank H., Edgewood, and H. G. Blosser, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,043,768; June 9.
Nilson, John L., Chicago, Ill. Wringer mop. 2,043,973; June 9.
Nilson, John L., Chicago, Ill. Wringer mop. 2,043,974; June 9.
Nilson, John L., Chicago, Ill. Combination wringing mechanism and swab holder lock for wringer mops. 2,043,975; June 9.
Nixon, Thomas H. (See Knox, H. A., and Nixon.)
Nolzen, Heinrich, Newark, N. J. Brush and utility paint box. 2,043,301; June 9.
Nordstrom, Sven J., Piedmont, assignor to Merco Nordstrom Valve Company, San Francisco, Calif. Plug valve. 2,043,863; June 9.
Norris, John W., assignor to Lennox Furnace Company, Marshalltown, Iowa. Ventilated furnace casing construction. 2,043,487; June 9.
North American Rayon Corporation. (See Bochmann, Otto, assignor.)
North, Zachariah H. (See Yenne, Allen W., assignor.)
Norton Company. (See Camp, Thomas R., assignor.)
Norton, Leland D., Bridgeport, Conn., assignor to Dictaphone Corporation ,New York, N. Y. Record tablet. 2,043,769; June 9.
Norton, William W., Berkeley, and M. Schwartz, San Francisco, Calif. Gas furnace. 2,043,808; June 9.
Norwood, Harry Y., Rush, assignor to Taylor Instrument Companies, Rochester, N. Y. Thermometer. 2,043,590; June 9.
Notvest, Robert, assignor to J. D. Adams Manufacturing Company, Indianapolis, Ind. Control for welding apparatus. 2,043,331; June 9.
Novak, Joseph F., Cicero, Ill. Window scaffold. 2,043,864; June 9.
Obergfell, Herbert F., River Forest, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Calling device. 2,043,674; June 9.
Obergfell, Herbert F., River Forest, and E. S. Peterson, Elmwood Park, assignors to Associated Electric Laboratoris, Inc., Chicago, Ill. Code call system. 2,043,673; June 9.
Odajima, Shuzo, Toba-Machi, Shima-Gun, assignor to Kobe Seiko-sho, Ltd., Kobe, Japan. Spinning centrifugal motor arrangement. 2,043,552; June 9.
Offer, Samuel, assignor to U. S. Duplicator Company, Chicago, Ill. Duplicating roll spindle. 2,043,302; June 9.
Ogiesby, Nicholas E., Troy, N. Y., S. W. Kessler, Perth Amboy, N. J., and A. H. Gilkeson, Montgomery, Ala. Apparatus for dispensing liquids from airplanes. 2,043,262; June 9.
O'Hare, E. J., et al. (See Bacon, Willard M., Jr., assignor.)
Ohio Steel Foundry Company, The. (See Harbison, Clarence B., assignor.)
Ohliger, Ernest J., Jr., Mount Vernon, N. Y. Brake operating mechanism. 2,043,516; June 9.
Okonite-Callender Cable Company, The. (See Bennett, Charles E., assignor.)
Olley, Raymond H. (See Bissell, C. H., and Olley.)
Oltmanns, Frederick W., Omaha, Nebr. Ornament. 2,043,770; June 9.
Optical Research Corporation. (See Singer, Nathaniel, assignor.)
Ostdiek, Clarence J., Minneapolis, Minn. Mop. 2,043,303; June 9.
Osten Chemical Corporation. (See Krasny, Jacques, assignor.)
Ottawa River Paper Company, The. (See Lynch, Harold E., assignor.)
Oxhandler, Leopold, Chicago, Ill. Construction material and structure made therefrom. 2,043,445; June 9.
Packard Motor Car Company. (See Best, Frank C., assignor.)
Packard Motor Car Company. (See Christman, John M., assignor.)
Paddock, Levi S., and C. A. Rinehart, Chicago, assignors to Industrial Patents Corporation, Chicago, Ill. Tendering meat. 2,043,392; June 9.
Pado, Michael, Donora, Pa. Clothespin. 2,043,553; June 9.
Papp, George, Astoria, assignor to Peters Bros. Rubber Company, Inc., Brooklyn, N. Y. Making cut-embossing stock sheets and article of manufacture. 2,043,809; June 9.
Parker Brothers, Inc. (See Lord, Oswald B., assignor.)
Parrott, Robert D. (See Harrall, E. R., and Parrott.)
Pasinski, Walter J., assignor to Burroughs Adding Machine Company, Detroit, Mich. Power operated typewriter. 2,043,393; June 9.
Patent and Licensing Corporation, The. (See Kirschbraun, Lester, assignor.)
Patterson, John S., Madeira, assignor to The American Laundry Machinery Company, Norwood, Ohio. Combination pressing machine and drying means. 2,043,332; June 9.
Pennsylvania Coal Products Company. (See Burroughs, Samuel G., assignor.)
Peo, Ralph F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Hydraulic shock absorber. 2,043,488; June 9.
Peo, Ralph F., assignor to Houde Engineering Corporation, Buffalo, N. Y. Hydraulic shock absorber. 2,043,489; June 9.
Peter, Leslie H., and R. M. MacGregor, King's Cross, London, England, assignors, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Electric relay. 2,043,771; June 9.
Peters Bros. Rubber Company. (See Papp, George, assignor.)
Peterson, Carl D., assignor to Spicer Manufacturing Corporation, Toledo, Ohio. Intermediate bearing for transmission gearing. 2,043,446; June 9.

Peterson, Edward S. (See Obergfell, H. F., and Peterson.)
Peterson, Peter, assignor to City Auto Stamping Company, Toledo, Ohio. Die. 2,043,591; June 9.
Pezzella, Rocco, Washington, D. C. Hair curling device. 2,043,592; June 9.
Pfister, Rudolf J., Oberlin, Ohio. Book rest. 2,043,304; June 9.
Phillips, Albert J. (See Betterton, J. O., and Phillips.)
Phillips, Milford C., North Hollywood, and V. Havenner, Bell, Calif. Circuit controlling system. 2,043,461; June 9.
Piel, Edwin A., assignor to Clardon Corporation, Buffalo, N. Y. Dirt indicator for lubricating oil. 2,043,964; June 9.
Pierce, Raymond T., Millburn, assignor to Weston Electrical Instrument Corporation, Newark, N. J. Electrical control board. 2,043,904; June 9.
Pierce, Silas W., Kenmore, assignor to Remington Rand Inc., Buffalo, N. Y. Record member for card index systems. 2,043,675; June 9.
Pittsburgh Research Corporation. (See Moore, W. E., and Simpson, assignors.)
Pittsburgh Steel Company. (See Benedict, Edward L., assignor.)
Pittsburgh Steel Company. (See Protin, Edward J., assignor.)
Place, Bion C., assignor of one-half to G. E. Gagnier, Detroit, Mich. Securing electrical cover or escutcheon plate. 2,043,865; June 9.
Porter, Frank, Syracuse, assignor to Atmospheric Nitrogen Corporation, New York, N. Y. Purifying gases. 2,043,263; June 9.
Potdevin, Adolph, Garden City, Long Island, assignor to Potdevin Machine Company, Brooklyn, N. Y. Cutting off mechanism for tube and bag making machinery. 2,043,554; June 9.
Potdevin Machine Company. (See Potdevin, Adolph, assignor.)
Poto, William L., assignor to The Alliance Machine Company, Alliance, Ohio. Ingot stripper. 2,043,593; June 9.
Pratt, Harry P., Chicago, Ill., assignor, by mesne assignments, to H. P. Pratt, W. F. Grower, H. A. Allen, H. T. Ballard, and G. S. Herrington, trustees acting as Pratt Radio Trust. Radio apparatus. 2,043,517; June 9.
Pratt Radio Trust. (See Pratt, Harry P., assignor.)
Preston, Amos J., Beverly, assignor to Yates Machine Company, Salem, Mass. Device for stretching rugs and the like. 2,043,555; June 9.
Prickett, Russell, Princeton, N. J. Metalworking machine. 2,043,810; June 9.
Procita, Vincent J. (See Jokela, L., and Procita.)
Protin, Edward J., Charleroi, assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Transfer apparatus. 2,043,556; June 9.
Prückner, Hermann, assignor to H. Th. Bohme Aktiengesellschaft, Chemnitz, Germany. Producing aliphatic carbonyl compounds and alcohols. 2,043,708; June 9.
Pruitt, Raymond S., trustee, et al. (See Barton, Clarence H., assignor.)
Pruitt, Raymond S., trusttee, et al. (See Brownlee, Dalmar T., assignor.)
Pulici, Joseph M., Hawley, Pa. Battery terminal connecter. 2,043,557; June 9.
Purdy, James H., Willow Grove, Pa. Inlaid yarn and making same. 2,043,333; June 9.
Pyrene-Minimax Corporation. (See Waldschmidt, Erich, assignor.)
Quick, Cecil G., D. A. Ball, and W. A. Whitehead, London, England, assignors, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y. Rotary stapling mechanism. 2,043,558; June 9.
Quist, Frank J., Holden, Mass. Razor blade knife. 2,043,594; June 9.
Rackleyeft, John W., Cleveland, Ohio. Cabinet or casing structure. 2,043,334; June 9.
Radio Corporation of America. (See Fowler, Lester T., assignor.)
Radio Corporation of America. (See Karolus, August, assignor.)
Radio Corporation of America. (See Roberts, Walter van B., assignor.)
Radio Corporation of America. (See Wagenhals, Edward R., assignor.)
Ragan, Alexander, Jr., Baltimore, Md. Internal combustion engine. 2,043,866; June 9.
Raiche, Paul A., North Providence, R. I., assignor to Davol Rubber Company. Construction of rubber articles. 2,043,630; June 9.
Rail Joint Company, The. (See Delfox, James G., assignor.)
Raisig, Charles L. (See Iversen, L., and Raisig.)
Raskhodoff, Nicholns, assignor to United American Bosch Corporation, Springfield, Mass. Protective dial light. 2,043,676; June 9.
Rava, Alexander, Chicago, Ill. High temperature torch. 2,043,867; June 9.
Raymond, Edward H., Reading, Mass. Apparatus for conveying feed in poultry houses. 2043,595; June 9.
Raytheon Production Corporation. (See Anderson, Homer G., assignor.)
Reconstruction Finance Corporation. (See Sims, James E., assignor.)
Redrup, Will D., assignor to The Majestic Company, Huntington, Ind. Overhead door construction. 2,043,490; June 9.
Reed, Charles H., administrator. (See Reed, James H.)
Reed, James H., decensed, Marblehead, Mass., by C. H. Reed, administrator. Apparatus for making shoes. 2,043,305; June 9.
Regal Shoe Company. (See Bliss, Elmer J., assignor.)
Reid, Thomas W., assignor to Bellingham Iron Works, Inc., South Bellingham, Wash. Door or closure fastener for retorts. 2,043,628; June 9.
Reinhardt, John C. (See Jones, T. D., and Reinhardt.)
Reith, Charles A., Pittsburgh, Pa. Apparatus for making artificial dentures. 2,043,394; June 9.
Remington Rand Inc. (See Pierce, Silas W., assignor.)
Renwick, Herbert P., assignor to Howard F. Leopold, Chicago, Ill. Fuse-making machine. 2,043,838; June 9.
Replogle, Charles N., assignor to Flood City Brass & Electric Company, Johnstown, Pa. Splicer. 2,043,709; June 9.
Reynhart, Arthur F. A., Velsen-Noord, Netherlands, assignor to Shell Development Company, San Francisco, Calif. Production of halogenated organic compounds. 2,043,932; June 9.
Reynolds, Joseph H., Cisco, Tex. Well packer. 2,043,492; June 9.
Rice, Frank E., assignor to American Tap Bush Company, Detroit, Mich. Tap for barrels. 2,043,491; June 9.
Rice, Hudson D., Jr., and J. M. Babb, Dallas, Tex. Engine or motor. 2,043,518; June 9.
Rich, Charles A., Providence, R. I., assignor to Brown and Sharpe Manufacturing Company. Machine for fashioning articles successively from bar stock. 2,043,772; June 9.
Rich, Chester A., and J. W. Richardson, assignors to The Rich Pump & Ladder Company, Cincinnati, Ohio. Collapsible ironing table. 2,043,335; June 9.
Rich, George R., Battle Creek, Mich. Composite metal valve fabricating apparatus. 2,043,773; June 9.
Rich Pump & Ladder Company, The. (See Rich, C. A., and Richardson, assignors.)
Richardson, Jesse W. (See Rich, C. A., and Richardson.)
Ries, Emil D. (See Loder, D. J., and Ries.)
Riley, Franklin S. (See Hamilton, Arthur T., assignor.)
Riley, George V., Washington, D. C. Automatic sanitary insert basin. 2,043,264; June 9.
Rinehart, Cleo A. (See Paddock, L. S., and Rinehart.)
Rivett Lathe & Grinder Corporation. (See Blanchard, Frederick C., assignor.)
Roberts, Walter van B., Princeton, N. J., assignor to Radio Corporation of America. Coupling arrangement for amplifiers and repeaters. 2,043,774; June 9.
Robinson, James E., assignor to W. J. Hughes & Sons Co., Louisville, Ky. Carton blank. 2,043,419; June 9.
Rockola, David C., Chicago, Ill. Game apparatus. 2,043,447; June 9.
Rock-Ola Manufacturing Corporation. (See Thiel, Erich, assignor.)
Roeder, George H., Brooklyn, N. Y., assignor to Bio Reduction Corporation of New York, Brooklyn, N. Y. Process and apparatus for treating decomposable organic matter. 2,043,265; June 9.
Roehm, Erwin G., Norwood, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Broaching machine. 2,043,420; June 9.
Rogers, Gilbert E., Rockaway, N. J. Fuse for projectiles. 2,043,266; June 9.
Rooke, Robert M., Jersey City, N. J., and F. C. Saacke, assignors to Air Reduction Company, Incorporated, New York, N. Y. Welding and fusing metal. 2,043,811; June 9.
Rosen, Jacob J., Brooklyn, N. Y. Window wiper. 2,043,775; June 9.
Rosenberg, Jacob E., Pittsburgh, Pa., assignor to The O. Hommel Company. Production of enamelware. 2,043,559; June 9.
Rosin, Isadore S. (See Tauf, Benjamin, assignor.)
Ross, Oscar A., New York, N. Y. Signaling system. 2,043,493; June 9.
Rotermund, Maynard A. (See Jones, L. T., Kennedy, and Rotermund.)
Rovick, John D., assignor to National Broach & Machine Company, Detroit, Mich. Broaching machine. 2,043,596; June 9.
Rowe, Thomas A., Le Roy, N. Y. Air and waterproof joint for silo staves and the like. 2,043,519; June 9.
Rowland, Walter, Prince George County, Va., assignor to Atmospheric Nitrogen Corporation, New York, N. Y. Process and apparatus for storage and recovery of soluble materials. 2,043,710; June 9.
Rubel, Charles F., and A. Wyleta, assignors to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,043,711; June 9.
Ruffin, Laura V. (See Duvall, Stanley A., assignor.)
Ruggles, Albert C. (See Von Bramer, H., and Ruggles.)
Russell, Robert C., Detroit, Mich. Clutch construction. 2,043,812; June 9.
Ruthruff, Robert F. (See Sullivan, F. W., Jr., and Ruthruff.)
Ryan, Vanston H., and J. A. Moran, Kansas City, Mo. Preparation of insecticides. 2,043,267; June 9.
Ryerson & Haynes Inc. (See Blank, J. E., and Adams, assignors.)
Saacke, Frederick C. (See Rooke, R. M., and Saacke.)

Sabbah, Camil A., and F. H. Anderson, Schenectady, N. Y., assignors to General Electric Company. Vapor electric device. 2,043,839; June 9.

Sachs, Joseph, West Hartford, Conn. Electrical circuit controlling appliance. 2,043,494; June 9.

Safety Belt-Lacer Company. (See Briggs, O. B., and Lamb, assignors.)

Saftlen, Carl. (See Guenther, F., Conrad, and Saftlen.)

Saladino, Joseph, Reading, Mass. Racket string tightening machine. 2,043,813; June 9.

Saladino, Joseph, Reading, Mass. Racket string tightening machine. 2,043,814; June 9.

Salomon, Sigmund, San Francisco, Calif. Game. 2,043,677; June 9.

Sampson, Edward J., Corpus Christi, Tex. Throttle control mechanism. 2,043,868; June 9.

Sandin, Jerome, Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,043,306; June 9.

Sandvikens Jerverks Aktiebolag. (See Troell, Sigvald, assignor.)

Sanger, Winston D., Minneapolis, Minn. Electrical measuring instrument. 2,043,495; June 9.

Sauer, George, Berwyn, assignor to Union Special Machine Company, Chicago, Ill. Sewing machine. 2,043,712; June 9.

Savage, Thomas W., Reading, Mass. Distributing carrier for mail and the like. 2,043,560; June 9.

Saywell, Lawrence G., Berkeley, Calif. Wine and vinegar clarification process. 2,043,713; June 9.

Schaller, Warren G., Pelham Manor, N. Y. Molding and electric outlet box. 2,043,776; June 9.

Scheil, Erich, Dortmund, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany. Chromium aluminium steel adapted to be used for articles exposed to high temperatures. 2,043,631; June 9.

Schellenger, Newton C., Elkhart, Ind., assignor to Chicago Telephone Supply Company. Rheostat. 2,043,777; June 9.

Schellin, John C., assignor to The Akron Brass Manufacturing Company, Wooster, Ohio. Duplex nozzle construction. 2,043,714; June 9.

Scherdel, Egid, New York, N. Y. Yarn tensioning and guiding device for weavers' shuttles. 2,043,395; June 9.

Schleifer, Carlo, assignor to Societa Anonima "Officina Meccanica St. Andrea-Novara," Novara, Italy. Automatic lubricating device for the ring and the traveler in ring spinning or doubling frames or the like. 2,043,520; June 9.

Schmalz, William F., Rockville, Conn., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn. Applicator. 2,043,678; June 9.

Schmid, Max, Rieben, near Basel, assignor to the firm Society of Chemical Industry in Basle, Basel, Switzerland. Monoazo dyestuffs. 2,043,869; June 9.

Schmidt, Bernhard. (See Fehn, J., and Schmidt.)

Schnecko, Otto. (See Voss, J., and Schnecko.)

Schneider, Albert E., Carter Lake, Iowa, assignor to Baker Ice Machine Co. Inc., Omaha, Nebr. Evaporator for refrigeration systems. 2,043,496; June 9.

Schneider, R. C. (See Stuck, Charles C., assignor.)

Schneilbacher, Jacob P., Peoria, Ill. Arch support. 2,043,396; June 9.

Schonitzer, Rudolph I., Cleveland, Ohio. Combined door-holding and door-checking device. 2,043,976; June 9.

Schuchter, Karl, Innsbruck, Austria. Modulating system. 2,043,448; June 9.

Schuessler, Carl F., Chicago, Ill. Knitted binder strip. 2,043,715; June 9.

Schundler, F. E., & Company, et al. (See Jones, Otis L., assignor.)

Schwartz, Max. (See Norton, W. W., and Schwartz.)

Scott, Howard, Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Metal glass seal. 2,043,307; June 9.

Scovill Manufacturing Company. (See Boden, George, assignor.)

Scovill Manufacturing Company. (See Kirkpatrick, W. J., and Whittington, assignors.)

Seasholtz, J. M., and Sons, Inc. (See Seasholtz, John M., assignor.)

Seasholtz, John M., assignor to J. M. Seasholtz and Sons, Inc., Reading, Pa. Crystalline decoration for porcelain and porcelain enameled articles. 2,043,449; June 9.

Segovia, Crispin B., New York, N. Y. Square auger. 2,043,778; June 9.

Seifert, Linda F., New York, N. Y. Refrigerator cabinet. 2,043,779; June 9.

Seymour, Merrill W., assignor to Eastman Kodak Company, Rochester, N. Y. Light-sensitive photographic element. 2,043,905; June 9.

Sharpe Manufacturing Company. (See Hulse, Arthur F., assignor.)

Shaw, Charles P., assignor to Detroit Moulding Corporation, Detroit, Mich. Ink thinner or vehicle. 2,043,397; June 9.

Shell Development Company. (See Bent, F. A., and Engs, assignors.)

Shell Development Company. (See de Simó, M., and McAllister, assignors.)

Shell Development Company. (See Millar, Russel W., assignor.)

Shell Development Company. (See Reynhart, Arthur F. A., assignor.)

Shell Development Company. (See Williams, Evan C., assignor.)

Sheppard, Samuel E., and J. H. Hudson, assignors to Eastman Kodak Company, Rochester, N. Y. Matte surface and producing the same. 2,043,906; June 9.

Sheridan Iron Works, The, et al. (See Hawkes, Thomas B., assignor.)

Sheridan, T. W. & C. B., Company, The, et al. (See Hawkes, Thomas B., assignor.)

Silver, Samuel. (See Klein, Henry, assignor.)

Simmons, Gordon H., Milwaukee, Wis., assignor to William M. Devine, Chicago, Ill. Air conditioning apparatus. 2,043,450; June 9.

Simpson, Albert H., Washington, D. C., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Perforated card verifying device. 2,043,308; June 9.

Simpson, Emory G. (See Van Voorhees, H. E., and Simpson.)

Simpson, George L. (See Moore, W. E., and Simpson.)

Simpson, George N., Chicago, Ill. Collapsible revolving door. 2,043,780; June 9.

Sims, James E., Bridgeport, Conn., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y. Apparatus for controlling and indicating air volume. 2,043,561; June 9.

Singer, Nathaniel, assignor to Optical Research Corporation, New York, N. Y. Ophthalmic lens. 2,043,840; June 9.

Singer Manufacturing Company, The. (See Ackerman, James E., assignor.)

Singer Manufacturing Company, The. (See McCann, Michael, assignor.)

Singiser, John P., Chicago, Ill., assignor to The American Laundry Machinery Company, Norwood, Ohio. Tandem control for presses. 2,043,497; June 9.

Sjöstrand, Hjalmar E., Ravala, Grangesberg, Sweden. Device for locating the position of a movable body. 2,043,336; June 9.

Skinner, Leslie A., U. S. Army, Aberdeen Proving Ground, Md. Rocket. 2,043,268; June 9.

Sloan, James J., Stow, assignor to R. Bishop, New Milford, Ohio. Clothesline retainer. 2,043,716; June 9.

Sloyan, Jerome J., Red Bank, N. J. Heat generator. 2,043,597; June 9.

Smeykal, Karl, Leuna, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Producing amines. 2,043,965; June 9.

Smith, Harry L., assignor to Smith System Heating Company, Minneapolis, Minn. Draft deflector. 2,043,815; June 9.

Smith System Heating Company. (See Smith, Harry L., assignor.)

Smith, Victor C., Norwalk, Conn. Combined closure filling valve, and nozzle for fuel tanks and other containers. 2,043,337; June 9.

Smitmans, John A., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Shear. 2,043,398; June 9.

Società Anonima "Officina Meccanica St. Andrea-Novara". (See Schleifer, Carlo, assignor.)

"Societe Anonyme Solex". (See Mennesson, Marcel, assignor.)

Société des Procédés Serge Beaune. (See Beaune, Serge, assignor.)

Society of Chemical Industry in Basle. (See Schmid, Max, assignor.)

Socony-Vacuum Oil Company, Inc. (See Berger, Henry G., assignor.)

Socony-Vacuum Oil Company. (See Moran, Robert C., assignor.)

Socony Vacuum Oil Company, Inc. (See Story, Bertrand W., assignor.)

Sohl, Ralph W., Akron, Ohio, assignor, by mesne assignments, to Wingfoot Corporation, Wilmington, Del. Brake. 2,043,938; June 9.

Sommerfeld, Oscar E., Oak Park, Ill. Dental plate cleaning brush. 2,043,338; June 9.

Soneson, Walter P., et al. (See Montgomery, Floyd E., assignor.)

Sorenson, Niels A., and R. A. Walters, assignors to The Fostoria Pressed Steel Corporation, Fostoria, Ohio. Removal of abrading and other particles from suspension. 2,043,781; June 9.

Story, Bertrand W., Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Colorimeter. 2,043,816; June 9.

Spear, Walter A., assignor to Victor Electric Products, Inc., Cincinnati, Ohio. Hot air apparatus. 2,043,934; June 9.

Sperry, Paul A., New Haven, Conn. Fabric. 2,043,451; June 9.

Spicer Manufacturing Corporation. (See Peterson, Carl D., assignor.)

Sprosty, Lawrence O., Lakewood, Ohio. Making double bags. 2,043,782; June 9.

Square D Company. (See Mekelburg, Earl F., assignor.)

Squibb, E. R., & Sons. (See Christansen, W. G., and Harris, assignors.)

Stackpole Carbon Company. (See Eynon, Howard B., assignor.)

Standard-Knapp Corporation. (See Kimball, Wallace D., assignor.)

Standard Oil Company. (See Bablke, William H., assignor.)

Standard Oil Company. (See Fitz Simons, Ogden, assignor.)

Standard Oil Company. (See Sullivan, F. W., Jr., and Ruthruff, assignors.)

Starkey, William C., Trustee et al. (See Barton, Clarence H., assignor.)

Starkey, William C., Trustee et al. (See Brownlee, Dalmar T., assignor.)

Stauffer Chemical Company. (See Missbach, Edmund C., assignor.)

Stebbins, Clyde E., Cuyahoga Falls, assignor to Wingfoot Corporation, Akron, Ohio. Curing connection. 2,043,935; June 9.

Stecher, Joseph L. (See Amick, M. G., Lawrence, and Stecher.)

Stein, Leonhard. (See Bockmühl, M., and Stein.)

Stevens, Ealy T., Nashville, Tenn. Rack. 2,043,841; June 9.

Stickley, George W., Massena, N. Y., assignor to Aluminum Company of America, Pittsburgh, Pa. Vibration damper. 2,043,717; June 9.

Stone, Melvin, New York, N. Y. Metallic printing process. 2,043,809; June 9.

Storm Manufacturing Co. (See Hane, Carl O., assignor.)

Story, LeRoy G., Beacon, assignor to The Texas Company, New York, N. Y. Refining hydrocarbon oils. 2,043,936; June 9.

Stover, Frank B., Detroit, Mich., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Remote control for high pressure tanks. 2,043,632; June 9.

Strauch, Clauss B., New York, N. Y. Composition and method for producing stabilized foam. 2,043,633; June 9.

Strauss, Joseph B., Chicago, Ill. Tramway station construction. 2,043,356; June 9.

Strauss, Joseph B., Chicago, Ill. Truck for air tramways. 2,043,357; June 9.

Strauss, Joseph B., San Francisco, Calif. Combined cofferdam and pier fender construction method. 2,043,452; June 9.

Strickler, Harrison K., Erie, Pa. Fluid container. 2,043,339; June 9.

Stuck, Charles C., assignor of one-half to R. C. Schneider, Beloit, Wis. Fishing bobber. 2,043,817; June 9.

Sturtevant, B. F., Company. (See Anderson, Samuel M., assignor.)

Styll, Harry H., and L. L. Gagnon, assignors to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,043,842; June 9.

Styll, Harry H., and L. L. Gagnon, assignors to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 2,043,843; June 9.

Subia, Anton, assignor to Eclipse Counterbore Company, Detroit, Mich. Adjustable tool holder. 2,043,598; June 9.

Suckling, Claude. (See Handley, J., Suckling, Claude, and R. H.)

Suckling, Robert H. (See Handley, J., Suckling, Claude, and R. H.)

Sullivan, Frederick W., Jr., and R. F. Ruthruff, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill. Treatment of hydrocarbon oil. 2,043,269; June 9.

Sulzer Frères Société Anonyme. (See Luchsinger, Emil, assignor.)

Suter, Marcel J., assignor to Eugene, Ltd., New York, N. Y. Hair curling and waving appliance. 2,043,634; June 9.

Swanson & Thompson. (See Thompson, Elmer B., assignor.)

Swanstrom, Carl, Duluth, Minn. Horseshoe. 2,043,358; June 9.

Swanstrom, Otto, Duluth, Minn. Horseshoe. 2,043,359; June 9.

Swart, Leland K., Mountain Lakes, N. J., assignor to American Telephone and Telegraph Company. Electrical protective system. 2,043,399; June 9.

Swift, George W., Jr., Inc. (See Swift, George W., Jr., assignor.)

Swift, George W., Jr., assignor to George W. Swift, Jr., Inc., Bordentown, N. J. Corrugating machine. 2,043,635; June 9.

Sykes, Wilfred, Chicago, Ill. Rolling ferrous sheet material. 2,043,521; June 9.

Sylvania Industrial Corporation. (See Morgan, Willard L., assignor.)

Tailleferre, Henri, Paris, France. Fluidtight coupling. 2,043,562; June 9.

Tan-Sad Chair Company (1931) Limited, The. (See Gabb, Archibald H., assignor.)

Tarasuk, Michael, Hamtramck, Mich. Universal cutting tool. 2,043,679; June 9.

Tauf, Benjamin, assignor to I. S. Rosin, Chicago, Ill. Nursing bottle. 2,043,718; June 9.

Taylor Instrument Companies. (See Hubbard, Karl H., assignor.)

Taylor Instrument Companies. (See Norwood, Harry Y., assignor.)

Teare, Benjamin R., Jr., Schenectady, N. Y., assignor to General Electric Company. Electric control circuits. 2,043,844; June 9.

Technicraft Engineering Corporation. (See Tilbury, L. C., and Turechek, assignors.)

Technicraft Engineering Corp. (See Turechek, George F., assignor.)

Technicraft Engineering Corporation, The. (See Wells, Walter T., assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie M. b. h. (See Herriger, Felix, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie M. b. h. of Berlin. (See Leib, August, assignor.)

Teletype Corporation. (See Bracken, S., and Goetz, assignors.)

Telgmann, Bernhard, Dortmund-Barop, Germany. Mechanically moved grate. 2,043,719; June 9.

Templeton, Edwin G., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Collapsible chuck. 2,043,937; June 9.

Tennessee Valley Authority. (See Curtis, Harry A., assignor.)

Tenny, Edward J., Paterson, N. J. Clutching device. 2,043,563; June 9.

Ternstedt Manufacturing Company. (See Van Voorhees, H. E., and Simpson, assignors.)

Texas Company, The. (See Kaufman, Gus, assignor.)

Texas Company, The. (See Story, LeRoy G., assignor.)

Thearle, Ernest L., Schenectady, N. Y., assignor to General Electric Company. Dynamic balancing machine. 2,043,845; June 9.

Thein, Friedrich W. N. (See Whiston, H. W., McIvor, and Thein.)

Thew Shovel Company. (See Wilson, Emery J., assignor.)

Thibedeau, Albert J., Ottawa, Ontario, Canada. Paper machine slitter knife. 2,043,818; June 9.

Thiel, Erich, assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill. Amusement apparatus. 2,043,454; June 9.

Thies, Herman R., assignor to Wingfoot Corporation, Akron, Ohio. Producing molded products. 2,043,938; June 9.

Thies, Herman R., Kent, assignor to Wingfoot Corporation, Akron, Ohio. Vulcanization of rubber. 2,043,939; June 9.

Thompson, Albert R., assignor to Food Machinery Corporation, San Jose, Calif. Method and apparatus for cooking and cooling canned goods. 2,043,310; June 9.

Thompson, Elmer B., assignor to Swanson & Thompson, Des Moines, Iowa. Fluid measuring device. 2,043,636; June 9.

Tierney, Columbus A. (See Eager, W. W., and Tierney.)

Tilbury, Lyle C., Houston, Tex., and G. F. Turechek, assignors to Technicraft Engineering Corporation, Los Angeles, Calif. Well cleaner. 2,043,340; June 9.

Tillotson, Carol. (See Zempel, Edward A., assignor.)

Toledo Scale Manufacturing Company. (See Weckerly, Mark A., assignor.)

Townsend, Robert E., Jr., Boston, Mass. Automatic electric signaling mechanism. 2,043,360; June 9.

Trans-Lux Daylight Picture Screen Corporation. (See Curtis, Kenneth L., assignor.)

Tratsch, Walter A., and B. C. Grunig, Chicago, Ill. Printing device. 2,043,680; June 9.

Troell, Sigvald, Solleftea, assignor to Sandviken Jernverks Aktiebolag, Sandviken, Sweden. Hatchet. 2,043,907; June 9.

Turechek, George F. (See Tilbury, L. C., and Turechek.)

Turechek, George F., assignor to The Technicraft Engineering Corp., Los Angeles, Calif. Cable head and construction. 2,043,341; June 9.

Turner, Ransom H., Little Neck, assignor to Intertype Corporation, Brooklyn, N. Y. Making matrices. 2,043,955; June 9.

Tuttle, Clifton M., assignor to Eastman Kodak Company, Rochester, N. Y. Method and apparatus for determining contrast. 2,043,908; June 9.

Tweedie, Charles. (See Tweedie, John, assignor.)

Tweedie, John, assignor of one-half to C. Tweedie, Jefferson City, Mo. Device for leveling shoe soles. 2,043,819; June 9.

Twiss, F. E., Co. (See Twiss, Frank E., assignor.)

Twiss, Frank E., Taunton, assignor to F. E. Twiss Co., Inc., Boston, Mass. 2,043,270; June 9.

Tyler, Tracy B., assignor to The Monopower Corporation, Detroit, Mich. Restraining transmission shifts. 2,043,783; June 9.

Tyler, Tracy B., assignor to The Monopower Corporation, Detroit, Mich. Clutch mechanism for transmissions. 2,043,784; June 9.

Tyler, Tracy B., assignor to The Monopower Corporation, Detroit, Mich. Clutch actuator. 2,043,785; June 9.

Tyler, Tracy B., assignor to The Monopower Corporation, Detroit, Mich. Accelerating clutch engagement. 2,043,786; June 9.

Uecker Equipment Company. (See Uecker, Reinhold A., assignor.)

Uecker, Reinhold A., assignor, by mesne assignments, to Uecker Equipment Company, Wauwatosa, Wis. Scaffold. 2,043,498; June 9.

Ulmann, Bernhard, Company. (See Engel, Eugene, assignor.)

Ulrich, Heinrich. (See Klein, R., Ulrich, and Koerding.)

Una Welding, Inc. (See Kronbach, Edwin W., assignor.)

Underwood Elliott Fisher Company. (See Foothorap, Harry A., assignor.)

Underwood, Ernest E., and H. C. Wellman, assignors to Eastman Kodak Company, Rochester, N. Y. Self threading motion picture apparatus. 2,043,909; June 9.
Union Carbide and Carbon Corporation. (See Baker, H. J., and Ness, assignors.)
Union Carbide and Carbon Corporation. (See Jones, L. T., Kennedy and Rotermund, assignors.)
Union Oil Company of California. (See Merrill, David R., assignor.)
Union Special Machine Company. (See Christensen, Norman V., assignor.)
Union Special Machine Company. (See Hacklander, Hans, assignor.)
Union Special Machine Company. (See Rubel, C. F., and Wyleta, assignors.)
Union Special Machine Company. (See Sauer, George, assignor.)
Union Steel Products Company. (See Bitney, Dewey H., assignor.)
Union Switch & Signal Company, The. (See Fallor, Charles W., assignor.)
Union Switch & Signal Company, The. (See Nicholson, F. H., and Blosser, assignors.)
Union Switch & Signal Company, The. (See Nicholson, F. H., and Bryan, assignors.)
Union Switch & Signal Company, The. (See Peter, L. H., and MacGregor, assignors.)
United American Bosch Corporation. (See Rankhodoff, Nicholas, assignor.)
United Electric Controls Company. (See Dezotell, Bernard W., assignor.)
United Engineering & Foundry Company. (See Smitmans, John A., assignor.)
United Shoe Machinery Corporation. (See Ashworth, Fred, assignor.)
United Shoe Machinery Corporation. (See Brostrom, Charles G., assignor.)
U. S. Duplicator Company. (See Offer, Samuel, assignor.)
U. S. Slicing Machine Company. (See Folk, Joseph, assignor.)
Valentin, Auguste and L. Bassani, Paris, France. Photographic apparatus for color cinematography. 2,043,522; June 9.
Van Atta, Cloyd B., assignor to Locke Insulator Corporation, Baltimore, Md. Insulator. 2,043,523; June 9.
Vanderbeek, Samuel W. (See Grant, A. E., and Vanderbeek.)
Van Thiel, Emile, Compiegne, France, assignor to Naamlooze Vennottschap Industriele Maatschappij Voorheen Noury and van der Laude, Deventer, Netherlands. Apparatus for the manufacture of yeast. 2,043,940; June 9.
Van Voorhees, H. E., Windsor, Ontario, Canada, and E. G. Simpson, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Ventilating window for automobiles. 2,043,311; June 9.
Vautier, Leon P. G., and René Fays, St.-Just-des-Marais, Oise, France, assignors to Comptoir des Textiles Artificiels. Preparing artificial sponges. 2,043,564; June 9.
Vendope, Van L., assignor to Economy Electric Ad Corporation, Fort Worth, Tex. Electric socket. 2,043,499; June 9.
Ventre, Emil K., Washington, D. C., assignor to Henry A. Wallace, as Secretary of Agriculture of the United States of America. Treating sugar juices. 2,043,911; June 9.
Ventures Limited. (See Alexander, Peter P., assignor.)
Vereinigte Stahlwerke Aktiengesellschaft. (See Scheil, Erich, assignor.)
Vickers, Harry F., Detroit, Mich. Liquid relief valve. 2,043,453; June 9.
Victor Electric Products, Inc. (See Spear, Walter A., assignor.)
Viscose Company, The. (See Davidson, Hobart O., assignor.)
Viscose Company, The. (See Webber, James A., assignor.)
Visking Corporation, The. (See Voss, J., and Schnecko, assignors.)
Voices, Incorporated. (See Wilhelm, John H., assignor.)
Von Bramer, Harold, and A. C. Ruggles, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y. Making quinone. 2,043,912; June 9.
Von Littrow, Hans, Chemnitz, and F. H. Zehl, Wiesbaden-Biebrich-on-the-Rhine, Germany. Power-driven window cleaner. 2,043,637; June 9.
Voss, Julius and O. Schnecke, Wiesbaden-Biebrich, Germany, assignors to The Visking Corporation. Extrusion apparatus. 2,043,455; June 9.
Waggenbach, Edward E., West Orange, N. J., assignor to Radio Corporation of America. Thermionic cathode heater and making it. 2,043,720; June 9.
Wagner Electric Corporation. (See Baker, Paul W., assignor.)
Wahl, John H., Sacramento and P. H. Doe, Oakland, Calif. Roof structure and material. 2,043,271; June 9.
Waldron, John, Corporation. (See Dickhaut, C. A., and Willis, assignors.)
Waldschmidt, Erich, Berlin-Charlottenburg, Germany, assignor, by mesne assignments, to Pyrene-Minimax Corporation. Device for producing foam. 2,043,599; June 9.
Walker, John, Westfield, N. J., assignor to International Motor Company, New York, N. Y. Fifth wheel safety device for semitrailers. 2,043,342; June 9.
Wall, Earl R., et al. (See McCarty, Madison P., assignor.)
Wallace, Henry A., Secretary of Agriculture, United States. (See Ventre, Emil K., assignor.)
Wallgren, August G. F., assignor to Aktiebolaget Nomy, Stockholm, Sweden. Bearing. 2,043,272; June 9.
Wallin, Sven W. (See Broberg, G. K. J., Wallin, and Wessén.)
Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Slicing machine. 2,043,361; June 9.
Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Drier conveyer. 2,043,681; June 9.
Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Extrusion device. 2,043,682; June 9.
Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Tube expansion extrusion die. 2,043,683; June 9.
Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Soap cutter. 2,043,684; June 9.
Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Making tube soap. 2,043,685; June 9.
Walter, Charles T., assignor to Industrial Patents Corporation, Chicago, Ill. Jacketed extrusion device. 2,043,686; June 9.
Walters, Rudolph A. (See Sorenson, N. A., and Walters.)
Ward, Edward J., Brooklyn, N. Y. Printing machine. 2,043,600; June 9.
Warner, Cornelius M., Everett, Mass. Guard rail holder. 2,043,312; June 9.
Warner, Stanley F., Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Card game apparatus. 1,043,343; June 9.
Warwick, Ruby M., San Francisco, Calif. Hair drying apparatus. 2,043,721; June 9.
Waterman, Charles N. (See Betterton, J. O., and Waterman.)
Watrous, George S., Jr., Derby, Conn. Combination pot and loading stand. 2,043,456; June 9.
Watson, Talmage E., Arcadia, La. Golf target. 2,043,273; Watson, Welton C. (See Edrington, R. R., and Watson.) June 9.
Watts, Robert L., Forest Hills, assignor to Lubriplate Corporation, New York, N. Y. Lubricant. 2,043,638; June 9.
Webber, James A., Chester, assignor to The Viscose Company, Marcus Hook, Pa. Random skein dyeing. 2,043,870; June 9.
Weber, Guillaume, Hayange, assignor to Les Petits-Fils de Francois de Wendel & Cie., Paris, France. Blasting cartridge. 2,043,565; June 9.
Weckerly, Mark A., assignor to Toledo Scale Manufacturing Company, Toledo, Ohio. Concrete aggregate testing device. 2,043,457; June 9.
Wegner, Fred C., U. S. Navy. Stud screw wrench. 2,043,274; June 9.
Weible, Eddie J., Hillsboro, N. Dak. Generator propeller. 2,043,402; June 9.
Weick, Fred E., Langley Field, Va. Split flap. 2,043,275; June 9.
Welch, Herman B., assignor to Amity Leather Products Co., West Bend, Wis. Concealed pocket. 2,043,639; June 9.
Weller, Frank F., assignor of fifty per cent to J. O. Modisette, Jennings, La. Automobile jack. 2,043,820; June 9.
Wellman, Howard C. (See Underwood, E. E., and Wellman.)
Wellons, Charles M., Bellevue, Pa. Steering device for boats. 2,043,276; June 9.
Wells, Walter T., assignor to The Technicraft Engineering Corporation, Los Angeles, Calif. Conductor cable. 2,043,400; June 9.
Wells, Walter T., Glendale, assignor to The Technicraft Engineering Corporation, Los Angeles, Calif. Supporting and conducting cable and constructing the same. 2,043,401; June 9.
Wells, William F., Cambridge, Mass. Centrifuging apparatus. 2,043,313; June 9.
Wemp, Ernest E., Detroit, Mich. Clutch control. 2,043,314; June 9.
Wengel, Raymond W., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic lamp. 2,043,913; June 9.
Wessén, Georg A. (See Broberg, G. K. J., Wallin, and Wessén.)
Western Electric Company. (See Clavier, A. G., and Darbord, assignors.)
Western Electric Company. (See Warner, Stanley F., assignor.)
Western Union Telegraph Company, The. (See Harrall, E. R., and Parrott, assignors.)
Westinghouse Electric & Manufacturing Company. (See Marbury, Ralph E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Mowbart, Donald J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sandin, Jerome, assignor.)
Westinghouse Electric & Manufacturing Company. (See Scott, Howard, assignor.)
Weston Electrical Instrument Corporation. (See Pierce, Raymond T., assignor.)

Whelan, James T. (See Fourness, C. A., and Whelan.)
Whiston, Harold W., Macclesfield, G. A. B. McIvor, and F. W. N. Thein, assignors to Kathon Limited, London, England. Apparatus for depositing metal by electrode dispersion. 2,043,966; June 9.
White Motor Company, The. (See Boldt, Werner F., assignor.)
Whitehead, William A. (See Quick, C. G., Ball, and Whitehead.)
Whitman Sound Systems, Ltd. (See Whitman, Stewart C., assignor.)
Whitman, Stewart C., New York, N. Y., assignor to Whitman Sound Systems, Ltd., Dover, Del. Reproducing system for sound on films. 2,043,871; June 9.
Whitney Blake Company, The. (See Kingsbury, Fred B., assignor.)
Whitted, John B., Chicago, Ill., assignor to Houde Engineering Corporation, Buffalo, N. Y. Hydraulic shock absorber. 2,043,500; June 9.
Whittington, Frederik G. (See Kirkpatrick, W. J., and Whittington.)
Wikander, Oscar R., Pittsburgh, assignor to Edgewater Steel Company, Oakmont, Pa. Multiple coil friction device. 2,043,566; June 9.
Wild, Gunther P., Philadelphia, Pa. Door fastener. 2,043,787; June 9.
Wildt and Company Limited. (See Holmes, Henry H., assignor.)
Wilhelm, Arthur M., Randolph, N. Y. Landing indicator for airports. 2,043,847; June 9.
Wilhelm, John H., Hamilton Beach, Long Island, N. Y., assignor, by mesne assignments, to Voices, Incorporated, Newark, N. J. Miniature phonograph. 2,043,687; June 9.
Williams, David S., Portland, Oreg. Water closet. 2,043,821; June 9.
Williams, Evan C., Berkeley, assignor to Shell Development Company, San Francisco, Calif. Repellent and/or fumigant. 2,043,941; June 9.
Williams, George K., Port Pirie, South Australia, Australia. Refining lead. 2,043,524; June 9.
Williams, George W. (See Larsen, A., and Williams.)
Willis, Charles C. (See Dickhaut, C. A., and Willis.)
Wilson, Emery J., Cleveland, assignor to Thew Shovel Company, Lorain, Ohio. Dragline fairlead assembly. 2,043,362; June 9.
Wilson, William T., assignor of one-half to J. A. Fligg, Philadelphia, Pa. Weaving loop pile fabrics. 2,043,942; June 9.
Winchester Repeating Arms Company. (See Burton, Frank F., assignor.)
Windecker, Clifton N., Painesville, Ohio. Sewage disposal apparatus. 2,043,459; June 9.
Windecker, Clifton N., and C. E. Lyon, Painesville, Ohio; said Lyon assignor to said Windecker. Treating sewage. 2,043,458; June 9.
Windemuller, Jan H., The Hague, assignor to Maatschappij van Berkel's Patent N. V., Rotterdam, Netherlands. Electric cooking oven. 2,043,601; June 9.
Wine, William E., Toledo, Ohio, and C. Hankins, Washington, D. C. Railway car. 2,043,602; June 9.
Wingfoot Corporation. (See Clifford, Albert M., assignor.)
Wingfoot Corporation. (See Cramer, Howard I., assignor.)
Wingfoot Corporation. (See Sohl, Ralph W., assignor.)
Wingfoot Corporation. (See Stebbins, Clyde E., assignor.)
Wingfoot Corporation. (See Tempelton, Edwin G., assignor.)
Wingfoot Corporation. (See Thies, Herman R., assignor.)
Wingfoot Corporation. (See Woodward, Alva W., assignor.)
Winthrop Chemical Company. (See Bockmühl, Max and Stein, assignors.)
Wise, Robert, Winthrop, Mass. Molding confection. 2,043,846; June 9.
Wise, Solomon, Cleveland, Ohio. Locking device. 2,043,782; June 9.
Wittel, Otto, assignor to Eastman Kodak Company, Rochester, N. Y. Indicating device for film magazines. 2,043,914; June 9.
Witty, George, Long Island City, N. Y., assignor to Construction Products Corporation, Wilmington, Del. Manufacture of refractory articles. 2,043,640; June 9.
Witty, George, Long Island City, N. Y. Cement composition. 2,043,641; June 9.
Witty, George, Long Island City, N. Y. Building brick. 2,043,642; June 9.
Wolff, Juliette G. (See Bangs, Ralph C., assignor.)
Wood, Andrew C., Chicago, Ill. Venetian blind. 2,043,501; June 9.
Woodberry, John H., U. S. Army, Fort Bliss, Tex. Pressure indicator. 2,043,277; June 9.
Woodhouse, John C., Cragmere, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogenation of oxygenated organic compounds. 2,043,688; June 9.
Woodward, Alva W., Kent, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Apparatus for working metal. 2,043,915; June 9.
Worden, Norbert P., assignor to C. M. Hall Lamp Company, Detroit, Mich. Head lamp. 2,043,567; June 9.
Worthington Pump and Machinery Corporation. (See Feldbush, Harry A., assignor.)
Wright, Frederick H., and R. W. Lewis, London, England, assignors to The Century Machinery Company, Cincinnati, Ohio. Machine for peeling or cleaning vegetable and the like. 2,043,873; June 9.
Wright, Sumner B., South Orange, and L. G. Abraham, Madison, N. J., assignors to American Telephone and Telegraph Company. Telephone transmission circuits. 2,043,403; June 9.
Wuebben, Bernard H., assignor to The Buckeye Portable Tool Company, Dayton, Ohio. Power operated portable tool. 2,043,502; June 9.
Wyleta, Anton. (See Rubel, C. F., and Wyleta.)
Yager, George F., and O. J. Heath, assignors to The Bunting Brass and Bronze Company, Toledo, Ohio. Clutch mechanism. 2,043,568; June 9.
Yates Machine Company. (See Preston, Amos J., assignor.)
Yenne, Allen W., assignor of one-half to Z. H. North, Wooster, Ohio. Paint brush keeper. 2,043,643; June 9.
Young, Cyril C., Topeka, Kans. Heat transfer apparatus. 2,043,644; June 9.
Young, Forrest J., Los Angeles, Calif., assignor, by mesne assignments, to The National Superior Company, Toledo, Ohio. Elevator yoke. 2,043,460; June 9.
Young, Hugh E., Chicago, Ill. Circuit breaker apparatus. 2,043,822; June 9.
Young, John L., Pittsburgh, Pa., assignor to National Radiator Corporation. Anode. 2,043,823; June 9.
Zehl, Franz H. (See von Littrow, Hans, and Zehl.)
Zempel, Edward A., assignor of one-half to Carol Tillotson, Milwaukee, Wis. Boring tool. 2,043,689; June 9.
Zerk Corporation. (See Zerk, Oscar U., assignor.)
Zerk, Oscar U., Cleveland, Ohio. Wheel cover and securing means therefor. 2,043,874; June 9.
Zerk, Oscar U., Cleveland, Ohio, assignor to Zerk Corporation. Vehicle wheel. 2,043,875; June 9.
Zetterberg, Thure. (See Hauffman, A. W., and Zetterberg.)
Ziegner, Heinrich, Hagen, Germany. Producing filaments from a raw material which has been solidified by the action of solid liquid, or gaseous media. 2,043,722; June 9.
Zum Felde, Adolf. (See Mambrauer, W., and zum Felde.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 9TH DAY OF JUNE, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Brake. M. W. McConkey. 20,001; June 9.
Filing machine. B. and T. Grob. 19,999; June 9.
Metal, Apparatus and process for uncoiling coiled sheet. W. H. Hofer. 20,000; June 9.
Milling machine. H. O. Fletcher. 19,998; June 9.
Polishing device. W. H. Robbins. 20,002; June 9.

LIST OF PLANT INVENTIONS

Rose. W. L. Armacost. 180; June 9.
Rose. E. R. Asmus, Sr. 179; June 9.
Rose. S. Poulsen. 182; June 9.
Rose, Hybrid tea. W. B. Murray. 181; June 9.

LIST OF DESIGN INVENTIONS

Ashtray. A. E. Adams. 99,921; June 9.
Automobile hood structure. G. M. Buehrig. 99,973; June 9.
Baker, Cone cake. T. Hallak. 99,940; June 9.
Basket, Waste. F. A. Hougland. 99,944; June 9.
Belt for personal wear. D. T. Manning. 99,954; June 9.
Bib, Child's. I. Olsen. 99,960; June 9.
Box. F. A. Hougland. 99,945; June 9.
Bulb or similar article, Decorative electric light. A. Abramson. 99,919–20; June 9.
Cabinet. J. R. Morgan. 99,958; June 9.
Cabinet for phonographs or the like. H. G. Humphrey. 99,946; June 9.
Cabinet, Phonograph. P. M. Fuller. 99,936; June 9.
Chair. R. H. Ziem. 99,980; June 9.
Chair, Outdoor. J. R. Morgan. 99,957; June 9.
Card, Playing. E. E. Friedman. 99,935; June 9.
Casing, Central house heating apparatus. C. R. T. Hess. 99,943; June 9.
Closure for collapsible tubes or the like. M. Sahyun. 99,966; June 9.
Container or similar article, Cigarette. W. B. Payne. 99,961; June 9.
Desk unit, Combination. F. H. Fisher. 99,932–3; June 9.
Drape or similar article, Window. M. Sadinoff. 99,965; June 9.
Dress. P. Heit. 99,974; June 9.
Emblem for articles of apparel, Applique. C. Emmey. 99,931; June 9.
Frame, Monogram. M. Chernow. 99,928; June 9.
Glove. C. V. Perrin. 99,962; June 9.
Handle for a casket or analogous article. R. Larson. 99,947; June 9.
Hat. E. C. Sloan. 99,967; June 9.
Heater, Automobile. J. S. Losee. 99,953; June 9.
Housing, Instrument. R. Heller. 99,975; June 9.
Key, Can. G. Lesti and F. Wahl. 99,976; June 9.
Lace. S. N. M. Biddle. 99,972; June 9.
Lamp, Perfume burner. I. W. Rice. 99,963; June 9.
Lamp, Signal. J. Arcelon. 99,923; June 9.
Lighter and ashtray, Combined cigarette. E. K. Lincoln. 99,952; June 9.
Lighter, cigarette receptacle, and ashtray, Combined. E. K. Lincoln. 99,950–1; June 9.
Lighter, Pocket. E. K. Lincoln. 99,949; June 9.
Love-seat and chair or similar article, Combined. J. B. Nathan. 99,959; June 9.
Match book. L. J. Whitestone. 99,969; June 9.
Pad, Infant's play. F. T. J. Roemer. 99,964; June 9.
Printing frame, Vacuum. M. Annick. 99,922; June 9.
Radio antenna, Automobile. R. M. Smith. 99,977; June 9.
Receptacle, Safety ash. G. Clar and O. Neisser, Jr. 99,929; June 9.
Ring, Finger. J. Braun. 99,925; June 9.
Rocker, Outdoor. J. R. Morgan. 99,956; June 9.
Seat, Detachable bathtub. M. Winch. 99,970; June 9.
Shoe. N. Harris. 99,942; June 9.
Shoe sole. F. D. Fowler. 99,934; June 9.
Skate, Roller. D. McDonald. 99,955; June 9.
Sofa or similar article. N. Tyrrell. 99,968; June 9.
Stand, Ash. R. N. Baylis. 99,924; June 9.
Statuette or similar article. S. L. Wolffe. 99,979; June 9.
Textile fabric. O. J. Cahn. 99,927; June 9.
Textile fabric. A. Hafner. 99,938–9; June 9.
Textile fabric or similar article. H. A. Brown. 99,926; June 9.
Textile fabric or similar article. W. Cleverly. 99,930; June 9.
Textile fabric or similar article of manufacture. J. F. Gaul, Jr. 99,937; June 9.
Trimmer, Hedge. R. Yantisk. 99,971; June 9.
Vanity case or similar article. F. Spitalny. 99,978; June 9.
Vestee. H. J. Levi. 99,948; June 9.
Watch. N. H. Hammond. 99,941; June 9.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 9TH DAY OF JUNE, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrading and other particles from suspension, Removal of. N. A. Sorenson and R. A. Walters. 2,043,781; June 9.
Abrasive articles, Manufacturing rubber bonded. C. S. Nelson. 2,043,766; June 9.
Acid, Manufacture of hydrocyanic. R. W. Millar. 2,043,930; June 9.
Acid, Production of monochlorisobutyric. D. J. Loder and E. D. Ries. 2,043,670; June 9.
Acid sludge into sulphur dioxide, hydrocarbons, and coke, Conversion of. W. H. Bahlke. 2,043,646; June 9.
Adjustable seat. J. M. Dorton. 2,043,287; June 9.
Adjustment control, Double. I. E. McCabe. 2,043,441; June 9.
Air conditioning apparatus. G. H. Simmons. 2,043,450; June 9.
Air conditioning apparatus. R. E. Marbury. 2,043,834; June 9.
Aircraft. G. E. McPherren. 2,043,704; June 9.
Air volume, Apparatus for controlling and indicating. J. E. Sime. 2,043,561; June 9.
Alkali fusions, Conducting. S. G. Burroughs. 2,043,232; June 9.
Alloy, Cadmium-cobalt bearing. W. E. McCullough. 2,043,588; June 9.
Alloys, Detinning lead. T. D. Jones and J. C. Reinhardt. 2,043,575; June 9.
Alumina production. F. C. Frary. 2,043,743; June 9.
Amines, Producing. K. Smeykal. 2,043,965; June 9.
Amusement apparatus. E. Thiel. 2,043,454; June 9.
Amusement device. U. S. Daniel. 2,043,606; June 9.
Anode. J. L. Young. 2,043,823; June 9.
Apparatus for forming tubes. L. Iversen and C. L. Raisig. 2,043,665; June 9.
Applicator. W. F. Schmalz. 2,043,678; June 9.
Arch support. J. P. Schnellbacher. 2,043,396; June 9.
Arm rest. W. L. Morrison. 2,043,626; June 9.
Armatures within casings, Apparatus to facilitate insertion of. F. Koenig. 2,043,546; June 9.
Ash receiver, Sliding. R. F. De Boer. 2,043,886; June 9.
Auger, Square. C. B. Segovia. 2,043,778; June 9.
Automatic lubricator. J. Bijur. 2,043,826; June 9.
Automatical gradual clutch. A. Galante. 2,043,322; June 9.
Automobile jack. F. F. Weller. 2,043,820; June 9.
Back rest or support for a chair, seat, or the like. A. H. Gabb. 2,043,433; June 9.
Bacon press. J. Bech. 2,043,366; June 9.
Bags, Making double. L. O. Sprosty. 2,043,782; June 9.
Bait, Artificial mouse. W. O. Derry, Sr. 2,043,609; June 9.
Balancing machine. C. H. Havill. 2,043,618; June 9.
Band for garments. H. Hardie. 2,043,538; June 9.
Bands for tire covers, Method and apparatus for rolling back. J. E. Blank and G. S. Adams. 2,043,792; June 9.
Barrel jack. A. Larsen and G. W. Williams. 2,043,896; June 9.
Barrel, Laminated metal. S. S. Battles. 2,043,694; June 9.
Basin, Automatic sanitary insert. G. V. Riley. 2,043,264; June 9.
Bath apparatus. J. Fehn and B. Schmidt. 2,043,741; June 9.
Battery cable grip, Solderless. C. E. Hoover. 2,043,512; June 9.
Battery cut out and safety lock. L. M. Browder. 2,043,880; June 9.
Battery terminal connecter. J. M. Pulici. 2,043,557; June 9.
Bearing: *See*—
Plain bearing.
Bearing. A. G. F. Wallgren. 2,043,272; June 9.
Bearing for transmission gearing, Intermediate. C. D. Peterson. 2,043,446; June 9.
Bearing lubrication. H. O. Davidson. 2,043,885; June 9.
Bedstead, Camp. G. K. J. Broberg, S. W. Wallin, and G. A. Wessén. 2,043,854; June 9.
Beer, Apparatus for dispensing. R. Knapp. 2,043,856; June 9.
Bicycle frame. G. S. Lewis. 2,043,759; June 9.
Binder strip, Knitted. C. F. Schuessler. 2,043,715; June 9.
Blind, Venetian. A. C. Wood. 2,043,591; June 9.
Board: *See*—
Electrical control board.
Board game apparatus. O. B. Lord. 2,043,482; June 9.
Bolt, Patch. O. L. Neal. 2,043,861; June 9.
Book rest. R. J. Pfister. 2,043,304; June 9.
Boring tool. E. A. Zempel. 2,043,689; June 9.
Bottle, Nursing. B. Tauf. 2,043,718; June 9.
Box: *See*—
Junction box.
Molding and electric outlet box.
Paint box.
Braider carrier. J. R. Dennis. 2,043,285; June 9.
Brake: *See*—
Clasp brake.
Brake. R. W. Sohl. 2,043,933; June 9.
Brake device. H. A. Musham. 2,043,444; June 9.
Brake mechanism. W. A. Eaton. 2,043,610; June 9.
Brake mechanism for automotive vehicles. C. S. Bragg and V. Kliesrath. 2,043,732; June 9.
Brake operating mechanism. E. J. Obliger. 2,043,516; June 9.
Brick, Building. G. Witty. 2,043,642; June 9.
Broaching machine. E. G. Roehm. 2,043,420; June 9.
Broaching machine. J. D. Rovick. 2,043,596; June 9.
Broom. H. J. Lay. 2,043,757; June 9.
Broom, Street push. H. J. Lay. 2,043,758; June 9.
Brush, Dental plate cleaning. O. E. Sommerfeld. 2,043,338; June 9.
Brush keeper, Paint. A. W. Yenne. 2,043,643; June 9.
Brushes, Method and blank for making. H. B. Eynon. 2,043,474; June 9.
Buckle, Belt. C. W. Buchsbaum. 2,043,696; June 9.
Building element. N. P. Harshberger. 2,043,959; June 9.
Building structure. O. A. Deichmann. 2,043,697; June 9.
Burner: *See*—
Fuel oil burner.
Bus duct. H. J. L. Frank. 2,043,796; June 9.
Cabinet. J. W. Hughes. 2,043,664; June 9.
Cabinet, Filing. J. A. Hedges. 2,043,893; June 9.
Cabinet or casing structure. J. W. Racklyeft. 2,043,334; June 9.
Cabinet, Refrigerator. L. F. Seifert. 2,043,779; June 9.
Cable, Conductor. W. T. Wells. 2,043,400; June 9.
Cable and constructing the same. Supporting and conducting. W. T. Wells. 2,043,401; June 9.
Cable head and method of construction. G. F. Turechek. 2,043,341; June 9.
Cable marker strip and making the same. E. Bengtson. 2,043,919; June 9.
Cable or wire line clamp. S. Bullum. 2,043,463; June 9.
Calculating machine. W. Ball. 2,043,221; June 9.
Calculating machine. L. R. Brown. 2,043,279; June 9.
Caliper attachment for cutter heads and the like. C. O. Hane. 2,043,613; June 9.
Calling device. H. F. Obergfell. 2,043,674; June 9.
Cam synchronizer, Ball type. H. J. Murray. 2,043,807; June 9.
Camera. W. H. and E. C. Harrison. 2,043,539; June 9.
Camera construction. C. W. Crumrine. 2,043,968; June 9.
Camera latch. A. Nagel. 2,043,903; June 9.
Camera, Roll film. P. Frost and L. Beckenbauer. 2,043,612; June 9.
Can packing machine. W. D. Kimball. 2,043,411; June 9.
Canned goods, Method and apparatus for cooking and cooling. A. R. Thompson. 2,043,310; June 9.
Car, Railway. C. Hankins. 2,043,615; June 9.
Car, Railway. C. Hankins. 2,043,616; June 9.
Car, Railway. W. E. Wine and C. Hankins. 2,043,602; June 9.
Carbon tetrachloride, Stabilized. E. C. Missbach. 2,043,258–60; June 9.
Carbonates and apparatus therefor, Burning. W. E. Moore and G. L. Simpson. 2,043,859; June 9.
Carbonyl compounds and alcohols, Producing aliphatic. H. Prückner. 2,043,708; June 9.
Carboxylates of aliphatic alcohols with non-aromatic sulphonic carboxylic acids. F. Guenther, J. Conrad, and K. Saftien. 2,043,476; June 9.
Carburetor. D. P. King. 2,043,801; June 9.
Carburetor. E. A. Larrosa. 2,043,895; June 9.
Carburetor. M. Mennesson. 2,043,514; June 9.
Card for safety pins and similar articles, Display. E. J. Malvey. 2,043,385; June 9.
Card game apparatus. S. F. Warner. 2,043,343; June 9.
Card verifier. J. W. Bryce. 2,043,280; June 9.
Card verifying device, Perforated. A. H. Simpson. 2,043,308; June 9.
Carrier: *See*—
Braider carrier.
Carrier for mail and the like, Distributing. T. W. Savage. 2,043,560; June 9.
Carrier telegraph receiver. L. E. Melhuish. 2,043,355; June 9.
Carrying and display case. L. A. Haughawout. 2,043,617; June 9.

Carton blank. J. E. Robinson. 2,043,419; June 9.
Cartridge, Blasting. G. Weber. 2,043,565; June 9.
Cartridge for projectiles. R. D. McLeod, Jr. 2,043,256; June 9.
Case: *See*—
Carrying and display case. Vanity case.
Eyeglass case.
Casting machine, Centrifugal. L. A. Camerota. 2,043,956; June 9.
Catalytic oxidation of ketols. M. de Simó and S. H. McAllister. 2,043,950; June 9.
Cathode heater and making it, Thermionic. E. R. Wagenhals. 2,043,720; June 9.
Cellulose derivatives and products therefrom, Dehydrating. F. A. Bent and W. Engs. 2,043,946; June 9.
Cellulose esters, Stabilizing of. C. J. Malm. 2,043,899; June 9.
Cement composition. G. Witty. 2,043,641; June 9.
Centrifugal driving mechanism. A. F. Howe. 2,043,661–3; June 9.
Centrifugal machine. E. A. Forsberg. 2,043,350; June 9.
Centrifuging apparatus. W. F. Wells. 2,043,313; June 9.
Ceramic objects, Making. O. Bartsch. 2,043,222; June 9.
Chinch bug destroying machine. F. G. Marshall. 2,043,761; June 9.
Chlorine dioxide, Production of. G. L. Cunningham and B. J. Losch. 2,043,284; June 9.
Chuck, Collapsible. E. G. Templeton. 2,043,937; June 9.
Cigarette case and lighter, Combined. L. A. Denit. 2,043,888; June 9.
Circuit arrangement, Rectifying. J. G. W. Mulder and D. M. Duinker. 2,043,515; June 9.
Circuit breaker apparatus. H. E. Young. 2,043,822; June 9.
Circuit controlling appliance, Electrical. J. Sachs. 2,043,494; June 9.
Circuit controlling system. M. C. Phillips and V. Havenner. 2,043,464; June 9.
Circuit interrupter. J. Sandin. 2,043,306; June 9.
Circuits, Electric control. B. R. Teare, Jr. 2,043,344; June 9.
Clamp: *See*—
Cable or wire line clamp.
Clamp or hook for printing plates. A. J. Hoerth. 2,043,660; June 9.
Clasp brake. W. H. Baselt. 2,043,693; June 9.
Cleaner: *See*—
Well cleaner. Window cleaner.
Cleaning implement. J. S. Claxon. 2,043,464; June 9.
Cleaning process. P. McDorman. 2,043,300; June 9.
Closure. W. W. Eager and C. A. Tierney. 2,043,472; June 9.
Clothesline retainer. J. J. Sloan. 2,043,716; June 9.
Clothespin. M. Pado. 2,043,553; June 9.
Clutch: *See*—
Automatical gradual clutch. Motor vehicle clutch.
Overrunning clutch.
Clutch actuator. T. B. Tyler. 2,043,785; June 9.
Clutch construction. R. C. Russell. 2,043,812; June 9.
Clutch control. E. E. Wemp. 2,043,314; June 9.
Clutch engagement, Accelerating. T. B. Tyler. 2,043,786; June 9.
Clutch mechanism. G. F. Yager and O. J. Heath. 2,043,568; June 9.
Clutch mechanism for transmissions. T. B. Tyler. 2,043,784; June 9.
Clutching device. E. J. Tenny. 2,043,563; June 9.
Cock, Gas. J. T. Marvin. 2,043,971; June 9.
Code call system. H. F. Obergfell and E. S. Peterson. 2,043,673; June 9.
Coffee, Treating and roasting. G. L. N. Meyer. 2,043,443; June 9.
Cofferdam and pier fender construction method, Combined. J. B. Strauss. 2,043,452; June 9.
Coil friction device, Multiple. O. R. Wikander. 2,043,566; June 9.
Coil, Submarine cable loading. O. E. Buckley. 2,043,346; June 9.
Collapsible ironing table. C. A. Rich and J. W. Richardson. 2,043,335; June 9.
Collating means. H. A. Foothorap. 2,043,581; June 9.
Colorimeter. B. W. Story. 2,043,816; June 9.
Colorimeter, Photoelectric. R. H. Müller. 2,043,589; June 9.
Communication system. H. C. Curl. 2,043,348; June 9.
Composition and method for producing stabilized foam. C. B. Strauch. 2,043,633; June 9.
Compressor, Multistage. H. A. Feldbush. 2,043,535; June 9.
Concrete aggregate testing device. M. A. Weckerly. 2,043,457; June 9.
Concrete tamping device. P. A. Kerwin. 2,043,585; June 9.
Condenser: *See*—
Electrical condenser.
Confection, Molding. R. Wise. 2,043,846; June 9.
Connection, Curing. C. E. Stebbins. 2,043,935; June 9.
Connecter: *See*—
Battery terminal connecter
Construction material and structure made therefrom. L. Oxhandler. 2,043,445; June 9.
Container: *See*—
Fluid container.
Heat exchanging container.
Container for dry material. W. J. N. Cowley. 2,043,924; June 9.
Container for toothbrushes, Antiseptic. B. B. V. Lyon. 2,043,629; June 9.
Container handling machine. G. J. Meyer and G. L. N. Meyer. 2,043,763; June 9.
Continuous draft gear. C. E. and M. Alma. 2,043,344; June 9.
Contrast, Method and apparatus for determining. C. M. Tuttle. 2,043,908; June 9.
Control device for wells. R. G. Cullen. 2,043,428; June 9.
Control for high pressure tanks, Remote. F. B. Stover. 2,043,632; June 9.
Control for presses, Tandem. J. P. Singiser. 2,043,497; June 9.
Control for pressing machines. J. M. Dewey. 2,043,467–9; June 9.
Control for welding apparatus. R. Notvest. 2,043,381; June 9.
Control system particularly for an indicia-bearing web. K. L. Curtis. 2,043,239; June 9.
Conveyer loader. A. J. G. Getty and T. A. Luke. 2,043,747; June 9.
Conveyor system. C. S. Jennings. 2,043,293; June 9.
Corrugating machine. G. W. Swift, Jr. 2,043,635; June 9.
Cosmetic preparation. V. Goncarova. 2,043,657; June 9.
Counter, Electric card. C. D. Lake. 2,043,295; June 9.
Coupling. R. C. Coupland. 2,043,237; June 9.
Coupling arrangement for amplifiers and repeaters. W. van B. Roberts. 2,043,774; June 9.
Cover and securing means therefor, Wheel. O. U. Zerk. 2,043,874; June 9.
Cover for trucks, Protector. W. D. Moore. 2,043,858; June 9.
Cover or escutcheon plate, Securing electrical. B. C. Place. 2,043,865; June 9.
Coupling: *See*—
Fluidtight coupling.
Crystalline decoration for porcelain and porcelain enameled articles. J. M. Seasholtz. 2,043,449; June 9.
Cup feed machine. H. Hacklander. 2,043,748; June 9.
Cutter: *See*—
Soap cutter.
Cutter head for boring machines. C. O. Hane. 2,043,614; June 9.
Cutting off mechanism for tube and bag making machinery. A. Potdevin. 2,043,554; June 9.
Damper, Vibration. G. W. Stickley. 2,043,717; June 9.
Decoy. J. E. Brener. 2,043,827; June 9.
Dental impression parting tool. L. Kalvin. 2,043,881; June 9.
Denture, Self-retaining lower. G. W. Fleischman. 2,043,742; June 9.
Dentures, Apparatus for making artificial. C. A. Reith. 2,043,394; June 9.
Detector: *See*—
Liquid leakage detector.
Device for locating the position of a movable body. H. E. Sjöstrand. 2,043,386; June 9.
Diathermic apparatus for generating short or ultra short waves. K. Bergk and J. Hofmann. 2,043,422; June 9.
Diaphragm for electrolytic cells and producing the same, Separative. W. E. Kershaw. 2,043,954; June 9.
Di-calcium phosphate, Manufacture of. H. A. Curtis. 2,043,238; June 9.
Die: *See*—
Tube expansion extrusion die.
Die. P. Peterson. 2,043,591; June 9.
Direction finding. A. Leib. 2,043,624; June 9.
Direction indicating device. J. Bell. 2,043,727; June 9.
Dirt indicator for lubricating oil. E. A. Piel. 2,043,964; June 9.
Dispenser: *See*—
Liquid dispenser.
Dispensing device. G. Boden. 2,043,651; June 9.
Display frame. L. A. Hirsch and M. Mittelhammer. 2,043,752; June 9.
Display stand. H. E. Lynch. 2,043,483; June 9.
Disulphides, Preparing organic. H. I. Cramer. 2,043,949; June 9.
Diverter valve. C. J. Kohler. 2,043,668; June 9.
Door, Collapsible revolving. G. N. Simpson. 2,043,780; June 9.
Door construction, Overhead. W. D. Redrup. 2,043,490; June 9.
Door fastener. G. P. Wild. 2,043,787; June 9.
Door-holding and door-checking device, Combined. R. I. Schonitzer. 2,043,976; June 9.
Door lock, Automobile. G. A. Dalziel and H. H. Ableson. 2,043,608; June 9.
Door locking mechanism. W. Mumbrauer and A. sum Felde. 2,043,550; June 9.
Douche. C. W. Cheek. 2,043,882; June 9.
Draft and buffing gear, Combined. H. J. Loundsbury and J. H. Link. 2,043,884; June 9.
Draft deflector. H. L. Smith. 2,043,815; June 9.

Draft mechanism for endless belts, High. F. Casablancas. 2,043,505; June 9.
Draft rigging. J. H. Link. 2,043,883; June 9.
Drafting instrument. J. K. Bilder. 2,043,729; June 9.
Drier: *See*—
Festoon drier.
Dragline fairlead assembly. E. J. Wilson. 2,043,382; June 9.
Drier conveyer. C. T. Walter. 2,043,681; June 9.
Dyestuffs, Monoazo. M. Schmid. 2,043,869; June 9.
Dynamic balancing machine. E. L. Thearle. 2,043,845; June 9.
Dynamometer, Deflection. E. R. Harrall and R. D. Parrott. 2,043,953; June 9.
Eggs, Treating. O. E. Droege. 2,043,372; June 9.
Ejector guide for automatic machine guns. F. T. Moore. 2,043,485; June 9.
Electric connecter plug. F. B. Kingsbury. 2,043,666; June 9.
Electric iron stand. S. A. Duvall. 2,043,508; June 9.
Electric machines, Cooling of. P. Ehrmann. 2,043,655; June 9.
Electric sign. M. L. Nelson. 2,043,707; June 9.
Electric water heater. I. Florman. 2,043,510; June 9.
Electrical condenser. W. Dubilier. 2,043,532; June 9.
Electrical control board. R. T. Pierce. 2,043,904; June 9.
Electrical control mechanism. E. Geiger. 2,043,699; June 9.
Electrical device. H. B. Fuchs. 2,043,744; June 9.
Electrical protective system. L. K. Swart. 2,043,399; June 9.
Electrode, Welding. E. W. Kronbach. 2,043,927; June 9.
Electrodes, Method and apparatus for spacing. J. P. Dyer. 2,043,698; June 9.
Electromagnetic motor. M. P. McCarty. 2,043,386; June 9.
Electron discharge device. F. Herriger. 2,043,659; June 9.
Elevator yoke. F. J. Young. 2,043,460; June 9.
Emulsion oil composition. A. W. Burwell and A. Kempe. 2,043,922; June 9.
Enamelware, Production of. J. E. Rosenberg. 2,043,559; June 9.
Engine: *See*—
Internal combustion engine. Rotary engine.
Engine or motor. H. D. Rice, Jr., and J. M. Babb. 2,043,518; June 9.
Engine scavenging system, Internal combustion. E. Luchsinger. 2,043,296; June 9.
Engine starting apparatus. R. P. Lansing and R. M. Nardone. 2,043,623; June 9.
Enlargement apparatus with automatic focusing device. C. Luz. 2,043,970; June 9.
Evaporator for refrigerating machines. L. W. Atchison. 2,043,917; June 9.
Evaporator for refrigeration systems. A. E. Schneider. 2,043,496; June 9.
Expansion joint. C. C. Bargreen. 2,043,571; June 9.
Extrusion apparatus. J. Voss and O. Schnecko. 2,043,455; June 9.
Extrusion device. C. T. Walter. 2,043,682; June 9.
Extrusion device, Jacketed. C. T. Walter. 2,043,686; June 9.
Eyeglass case. R. M. Dugdale. 2,043,431; June 9.
Fabric. P. A. Sperry. 2,043,451; June 9.
Fabric articles, Conditioning. F. J. Couch. 2,043,466; June 9.
Fabrics, Weaving loop pile. W. T. Wilson. 2,043,942; June 9.
Facial measuring apparatus. S. H. Boll and J. E. Lewis. 2,043,280; June 9.
Fan, Ventilating. F. Charavay. 2,043,786; June 9.
Fastener: *See*—
Door fastener.
Fastener. D. A. Brennan. 2,043,462; June 9.
Fastener. E. F. Gaines. 2,043,745; June 9.
Fastener for retorts, Door or closure. T. W. Reid. 2,043,628; June 9.
Feed in poultry houses, Apparatus for conveying. E. H. Raymond. 2,043,595; June 9.
Felt cleaner for paper mills. L. L. Lapeyrouse. 2,043,415; June 9.
Fertilizer depositing apparatus. K. H. Conley. 2,043,318; June 9.
Festoon, drier. C. A. Dickhaut and C. C. Willis. 2,043,795; June 9.
Filaments from a raw material which has been solidified by the action of solid, liquid, or gaseous media, Producing. H. Ziegner. 2,043,722; June 9.
Film feeding mechanism. R. F. Mallina. 2,043,354; June 9.
Film window shutter, Automatic. J. Mihalyi. 2,043,902; June 9.
Filter. J. E. Justus. 2,043,379; June 9.
Fireplace heater attachment. W. R. Dobbins. 2,043,429; June 9.
Fish lure. A. W. Hauffman and T. Zetterberg. 2,043,244; June 9.
Fishing bobber. C. C. Stuck. 2,043,817; June 9.
Fitting, Return bend. C. B. Harbison. 2,043,436; June 9.
Fixture, Bathroom. R. C. Hazeltine. 2,043,540; June 9.
Flap, Split. F. E. Weick. 2,043,275; June 9.
Flask for vulcanizing teeth, Dental. A. Field. 2,043,475; June 9.
Floor cleaning appliance. A. J. Babbs. 2,043,878; June 9.
Flower holder. J. H. Luft. 2,043,297; June 9.
Fluid container. H. K. Strickler. 2,043,339; June 9.
Fluid measuring device. E. B. Thompson. 2,043,636; June 9.
Fluid meter. P. S. Morgan. 2,043,963; June 9.
Fluid mixer. E. S. Judd. 2,043,621; June 9.
Fluidtight coupling. H. Tailleferre. 2,043,562; June 9.
Fluorine from potable waters, Removing. G. H. Meinzer. 2,043,705; June 9.
Foam, Device for producing. E. Waldschmidt. 2,043,599; June 9.
Follower for filing drawers. G. T. Gourley and F. J. Malat. 2,043,323; June 9.
Food cooking and service table. E. M. Horn. 2,043,797; June 9.
Food protecting material. H. A. Levey. 2,043,897; June 9.
Foot construction for dolls or the like. T. Graitcer. 2,043,658; June 9.
Form grading and subgrading machine. J. H. Knox and B. Garner. 2,043,413; June 9.
Frame: *See*—
Bicycle frame. Spinning frame.
Display frame.
Framing for brief cases, Protecting. A. I. Klotz. 2,043,833; June 9.
Freewheel mechanism and back pedal brake. E. Müller. 2,043,486; June 9.
Fruit, Method and apparatus for proportioning and mixing. A. M. Erickson and H. E. Gray. 2,043,739; June 9.
Fuel oil burner. P. Duncan. 2,043,471; June 9.
Furnace: *See*—
Gas furnace.
Furnace casing construction, Ventilated. J. W. Norris. 2,043,487; June 9.
Fuse for projectiles. G. E. Rogers. 2,043,266; June 9.
Fuse-making machine. H. P. Renwick. 2,043,888; June 9.
Game. S. Salomon. 2,043,677; June 9.
Game apparatus. D. C. Rockola. 2,043,447; June 9.
Game device. A. T. Hamilton. 2,043,291; June 9.
Garment holder. G. C. Hoffman. 2,043,620; June 9.
Gas furnace. W. W. Norton and M. Schwartz. 2,043,808; June 9.
Gases, Purifying. F. Porter. 2,043,263; June 9.
Gasoline tank, Siphonproof. F. T. Baumes. 2,043,223; June 9.
Gauge: *See*—
Liquid depth gauge. Water level gauge.
Gauge for grading machine blades. C. C. Moon. 2,043,891; June 9.
Gear: *See*—
Continuous draft gear. Draft and buffing gear.
Gear for vehicles, Running. C. M. Johnson. 2,043,542; June 9.
Gearing. A. H. Neuland. 2,043,261; June 9.
Generator: *See*—
Heat generator.
Glow discharge tube. H. Epstein. 2,043,925; June 9.
Grate, Mechanically moved. B. Telgmann. 2,043,719; June 9.
Grating, Window. B. A. McGuinness. 2,043,835; June 9.
Grinder, Clinker. D. J. Mosshart. 2,043,328; June 9.
Grinding machine. E. F. Haas. 2,043,408; June 9.
Grinding machinery, Centerless. G. E. Merryweather. 2,043,972; June 9.
Gripping receptacle. H. Hubbell, Jr. 2,043,247; June 9.
Guard, Highway. E. L. Benedict. 2,043,525; June 9.
Guard rail holder. C. M. Warner. 2,043,312; June 9.
Gun attachment, Grease. E. J. Feller. 2,043,407; June 9.
Hair curling and waving appliance. M. J. Suter. 2,043,634; June 9.
Hair curling device. R. Pezzella. 2,043,592; June 9.
Hair drying apparatus. R. M. Warwick. 2,043,721; June 9.
Handle: *See*—
Valve stem handle.
Hat. F. Nelkin. 2,043,330; June 9.
Hatchet. S. Troell. 2,043,907; June 9.
Head lamp. N. P. Worden. 2,043,567; June 9.
Headlight, Automobile. J. C. Ford. 2,043,289; June 9.
Heat exchanging container. T. W. Miller. 2,043,327; June 9.
Heat generator. J. J. Sloyan. 2,043,597; June 9.
Heat in cooking foodstuffs or the like, Device for recuperating. V. Hettinger. 2,043,437; June 9.
Heat transfer apparatus. C. C. Young. 2,043,644; June 9.
Heater: *See*—
Electric water heater.
Heating system. D. Conekin. 2,043,883; June 9.
Hides, Soaking of. R. Klein, H. Ulrich, and P. Koerding. 2,043,667; June 9.
Holder: *See*—
Flower holder. Line holder.
Garment holder. Lipstick holder.
Guard rail holder. Tool holder.
Holder for lip sticks or the like. I. Florman. 2,043,890; June 9.
Horseshoe. C. Swanstrom. 2,043,358–9; June 9.
Hot air apparatus. W. A. Spear. 2,043,934; June 9.
Humidifier. S. O. Berven. 2,043,647; June 9.
Hydrocarbons, Preservation of chlorinated. E. C. Missbach. 2,043,257; June 9.

Hydroxy-diphenyl-isatin condensation derivatives. W. G. Christiansen and S. E. Harris. 2,043,282; June 9.
Image view finder, Multiple. J. Mihalyi. 2,043,900; June 9.
Indicating device for film magazines. O. Wittel. 2,043,914; June 9.
Indicator: *See*—
Oil level indicator. Pressure indicator.
Indicator. J. Handley, C. Suckling, and R. H. Suckling. 2,043,511; June 9.
Ingot stripper. W. L. Poto. 2,043,593; June 9.
Ink thinner or vehicle. C. P. Shaw. 2,043,397; June 9.
Inlet nipple trap. H. J. Baker and C. Ness. 2,043,944; June 9.
Insect repeller. H. M. Council. 2,043,404; June 9.
Insecticides, Preparation of. V. H. Ryan and J. A. Moran. 2,043,267; June 9.
Insulating material, Plastic refractory. O. L. Jones. 2,043,249; June 9.
Insulator. C. B. Van Atta. 2,043,523; June 9.
Insulator, Transposition. E. F. Johnson. 2,043,754; June 9.
Interlocking device. H. S. Littlefield. 2,043,440; June 9.
Internal combustion engine. W. F. Davis. 2,043,529; June 9.
Internal combustion engine. A. Ragan, Jr. 2,043,866; June 9.
Internal combustion engine, Air cooled. C. T. Doman. 2,043,531; June 9.
Jack: *See*—
Automobile jack. Lifting jack.
Barrel jack.
Joint: *See*—
Expansion joint.
Joint for silo staves and the like, Air and waterproof. T. A. Rowe. 2,043,519; June 9.
Journal boxes, Manufacture of. H. O. Nekola. 2,043,551; June 9.
Junction box. C. H. Bissell and R. H. Olley. 2,043,648; June 9.
Keyboard perforator and counter. S. Bracken and M. T. Goetz. 2,043,231; June 9.
Knife, Paper machine slitter. A. J. Thibedeau. 2,043,818; June 9.
Knife, Razor blade. F. J. Quist. 2,043,594; June 9.
Knitting device. E. Engel. 2,043,958; June 9.
Knitting machine. H. H. Holmes. 2,043,852; June 9.
Lamp: *See*—
Head lamp. Photographic lamp.
Landing indicator for airports. A. M. Wilhelm. 2,043,847; June 9.
Latch protecting means for the latch needles in flat pearl machines. H. Diem. 2,043,286; June 9.
Lathe. F. C. Blanchard. 2,043,947; June 9.
Lathe. F. C. Blanchard. 2,043,967; June 9.
Lead, Production of alkylated. M. G. Amick, J. C. Lawrence, and J. L. Stecher. 2,043,224; June 9.
Lead, Refining. G. K. Williams. 2,043,524; June 9.
Leak indicating apparatus for oil filled electric power cables. C. E. Bennett. 2,043,227; June 9.
Lens, Ophthalmic. N. Singer. 2,043,840; June 9.
Lifter: *See*—
Stove lid lifter.
Lifting jack. G. H. Greiman. 2,043,479; June 9.
Light: *See*—
Protective dial light.
Light dividing device. A. G. Hillman. 2,043,292; June 9.
Light protection, Leak. C. C. Fuerst. 2,043,926; June 9.
Lighting apparatus, Electric. J. O. Cadieux. 2,043,793; June 9.
Lighting system controlled by photoelectric cell. A. J. McMaster. 2,043,671; June 9.
Line holder. W. J. Martin. 2,043,299; June 9.
Lip stick holder. N. Kasdan and R. F. Landwehr. 2,043,250; June 9.
Liquid circulating system. C. W. McCoy. 2,043,762; June 9.
Liquid depth gauge. W. Hanrahan. 2,043,435; June 9.
Liquid dispenser. A. Fine. 2,043,478; June 9.
Liquid leakage detector. P. Montgomery. 2,043,857; June 9.
Liquid relief valve. H. F. Vickers. 2,043,453; June 9.
Liquids from airplanes, Apparatus for dispensing. N. E. Oglesby, S. W. Kessler, and A. H. Gilkeson. 2,043,262; June 9.
Lock: *See*—
Door lock.
Locker, Multiple. S. Besst, Jr. 2,043,728; June 9.
Locking device. S. Wise. 2,043,872; June 9.
Log peeling implement. J. Krofta. 2,043,622; June 9.
Loop, Circulatory. E. E. Allyne. 2,043,723; June 9.
Lubricant. R. L. Watts. 2,043,638; June 9.
Lubricant composition. A. W. Burwell. 2,043,923; June 9.
Lubricants. G. Kaufman. 2,043,961–2; June 9.
Lubricating device for the ring and the traveler in ring spinning or doubling frames or the like. C. Schleifer. 2,043,520; June 9.
Lubrication, Central. J. Bijur. 2,043,229; June 9.
Lubricator: *See*—
Automatic lubricator.
Lubricator. R. W. Miller. 2,043,764; June 9.
Machine for applying belt fasteners. O. B. Briggs and A. L. Lamb. 2,043,576; June 9.
Machine for fashioning articles successively from bar stock. C. A. Rich. 2,043,772; June 9.
Machine for peeling or cleaning vegetables and the like. F. H. Wright and E. W. Lewis. 2,043,873; June 9.
Machine for wrapping articles. D. R. Grant and E. J. Hambrecht. 2,043,830; June 9.
Marker for highways. F. H. Korff. 2,043,414; June 9.
Material, Apparatus for the continuous extraction of. H. Heitmann. 2,043,409; June 9.
Material, Coating ferrous strip. A. J. Marino. 2,043,549; June 9.
Material, Process of welding. P. D. Ffield. 2,043,952; June 9.
Material, Rolling ferrous sheet. W. Sykes. 2,043,521; June 9.
Materials, Process and apparatus for storage and recovery of soluble. W. Rowland. 2,043,710; June 9.
Matrices, Making. R. H. Turner. 2,043,955; June 9.
Matte surface and producing the same. S. E. Sheppard and J. H. Hudson. 2,043,906; June 9.
Measuring instrument, Electrical. W. D. Sanger. 2,043,495; June 9.
Meat, Tendering. L. S. Paddock and C. A. Rinehart. 2,043,392; June 9.
Metal and wood surfacing tool. N. A. Eastern. 2,043,509; June 9.
Metal, Apparatus for working. A. W. Woodward. 2,043,915; June 9.
Metal by electrode dispersion, Apparatus for depositing. H. W. Whiston, G. A. B. McIvor, and F. W. N. Thein. 2,043,966; June 9.
Metal, Welding and fusing. R. M. Rooke and F. C. Saacke. 2,043,811; June 9.
Metalworking machine. R. Prickett. 2,043,810; June 9.
Metals and forming same. S. R. McBride. 2,043,887; June 9.
Metals, Treating. J. O. Betterton and A. J. Phillips. 2,043,574; June 9.
Meter: *See*—
Fluid meter.
Mixer: *See*—
Fluid mixer.
Modulating system. K. Schuchter. 2,043,448; June 9.
Moisture content of a material, Apparatus for determining the. B. F. Eyer. 2,043,241; June 9.
Molded products, Producing. H. R. Thies. 2,043,988; June 9.
Molding and electric outlet box. W. G. Schaller. 2,043,776; June 9.
Molding apparatus. E. W. Kronbach. 2,043,252; June 9.
Molding, Method and apparatus for thermoplastic. H. A. Husted. 2,043,584; June 9.
Molding, Price tag. H. E. Marsh. 2,043,760; June 9.
Mop. C. J. Ostdiek. 2,043,303; June 9.
Mop, Wringer. J. L. Nilson. 2,043,973–4; June 9.
Motor: *See*—
Electromagnetic motor. Submergible motor.
Steam friction motor.
Motor arrangement, Spinning centrifugal. S. Odajima. 2,043,552; June 9.
Motor timing method and apparatus. J. D. Morgan. 2,043,931; June 9.
Motor vehicle clutch. L. L. Curcuru. 2,043,794; June 9.
Mounting, Bearing. S. M. Anderson. 2,043,725; June 9.
Mounting, Door. W. W. Eager and C. A. Tierney. 2,043,473; June 9.
Mounting, Ophthalmic. H. H. Styll and L. L. Gagnon. 2,043,842–3; June 9.
Mounting, Telescopic gunsight. H. V. Doe. 2,043,430; June 9.
Necktie. J. H. Brown. 2,043,527; June 9.
Nozzle construction, Duplex. J. C. Schellin. 2,043,714; June 9.
Offset proof press mechanism. H. C. Jones. 2,043,543; June 9.
Oil composition, Mineral. R. C. Moran. 2,043,836; June 9.
Oil level indicator. J. Ashworth. 2,043,877; June 9.
Oil, Producing lubricating. D. R. Merrill. 2,043,388; June 9.
Oil, Reclaiming used lubricating. F. G. Baender. 2,043,691; June 9.
Oil, Treatment of hydrocarbon. W. M. Mallsoff. 2,043,254; June 9.
Oil, Treatment of hydrocarbon. F. W. Sullivan, Jr., and R. F. Ruthruff. 2,043,269; June 9.
Oils, Refining hydrocarbon. LeR. G. Story. 2,043,036; June 9.
Opener and can perforator, Combined can. J. L. Donat. 2,043,654; June 9.
Optical system. F. E. Altman. 2,043,916; June 9.
Ores by metallic calcium, Reduction of. P. P. Alexander. 2,043,363; June 9.
Organ, Electric. E. E. Coupleux. 2,043,828; June 9.
Organic compounds, Hydrogenation of oxygenated. J. C. Woodhouse. 2,043,688; June 9.
Organic compounds, Production of halogenated. A. F. A. Reynhart. 2,043,932; June 9.
Organic matter, Process and apparatus for treating decomposable. G. H. Roeder. 2,043,265; June 9.
Ornament. F. W. Oltmanns. 2,043,770; June 9.
Oscillator, High frequency. L. A. Gebhard. 2,043,242; June 9.
Oven, Electric cooking. J. H. Windemuller. 2,043,601; June 9.

Oven, Underfired coke. W. Beimann. 2,043,945; June 9.
Overcoating containing diphenylene oxide, Light-filtering. T. F. Murray, Jr. 2,043,805; June 9.
Overrunning clutch. D. T. Brownlee. 2,043,695; June 9.
Ozone machine. F. E. Hartman. 2,043,701; June 9.
Package and producing the same. D. R. Grant and E. J. Hambrecht. 2,043,829; June 9.
Packer, Well. J. H. Reynolds. 2,043,492; June 9.
Pad: *See*—
Sanitary pad.
Pad mounting for pressing, Spring. C. E. Hamilton, Sr. 2,043,537; June 9.
Paint box, Brush and utility. H. Nolzen. 2,043,301; June 9.
Pan, Ice cube. M. K. Buchanan and A. G. Horton. 2,043,881; June 9.
Paper feed for wrapping machines. W. Hoppe. 2,043,376; June 9.
Paper from rolls, Apparatus for delivering. D. G. Bernard. 2,043,423; June 9.
Paper product, Making a tissue. C. A. Fourness and J. T. Whelan. 2,043,351; June 9.
Phonograph, Miniature. J. H. Wilhelm. 2,043,687; June 9.
Phonograph, Multiple record. A. C. Ansley. 2,043,789; June 9.
Photo composing machine. A. T. Koppe. 2,043,802; June 9.
Photographic apparatus. J. Mihalyi. 2,043,901; June 9.
Photographic apparatus for color cinematography. A. Valentin and L. Bassani. 2,043,522; June 9.
Photographic element, Light-sensitive. M. W. Seymour. 2,043,905; June 9.
Photographic lamp. R. W. Wengel. 2,043,913; June 9.
Photographic printing machine. A. S. Howell. 2,043,853; June 9.
Photographic printing machine or apparatus. A. Ludwig. 2,043,928; June 9.
Picture apparatus, Self threading motion. E. E. Underwood and H. C. Wellman. 2,043,909; June 9.
Piling. O. Grave. 2,043,891; June 9.
Piston. D. J. Campbell. 2,043,424; June 9.
Piston, Engine. J. Bezosky. 2,043,620; June 9.
Plane and scooter plane, Snow. L. Gelbman. 2,043,374; June 9.
Plastic reproductions of corporeal forms, Device for producing. H. Aschenborn. 2,043,503; June 9.
Pliers. C. L. Gairoard. 2,043,373; June 9.
Plow. T. A. Henley. 2,043,619; June 9.
Plug: *See*—
Electric connecter plug. Trap plug.
Socket plug.
Plug valve. S. J. Nordstrom. 2,043,863; June 9.
Pocket, Concealed. H. B. Welch. 2,043,639; June 9.
Portable tool, Power operated. B. H. Wuebben. 2,043,502; June 9.
Pot and loading stand, Combination. G. S. Watrous, Jr. 2,043,456; June 9.
Potassium formate, Preparing. E. Elöd and O. Dragendorff. 2,043,534; June 9.
Poultry fountain valve, Automatic. J. Imschweiler. 2,043,477; June 9.
Power press. T. B. Hawkes. 2,043,246; June 9.
Press: *See*—
Bacon press. Power press.
Pressing machine and drying means, Combination. J. S. Patterson. 2,043,332; June 9.
Pressing machine and maintaining means. G. W. Johnson. 2,043,480; June 9.
Pressing machine for shirts and the like. G. W. Johnson. 2,043,326; June 9.
Pressure-control for electric pumps, Automatic. R. R. Edrington and W. C. Watson. 2,043,579; June 9.
Pressure indicator. J. H. Woodberry. 2,043,277; June 9.
Pressure switch. E. F. Mekelburg. 2,043,803; June 9.
Prie-dieu. W. F. Liska. 2,043,669; June 9.
Printing and embossing. C. A. Flood. 2,043,432; June 9.
Printing device. W. A. Tratsch and B. C. Grunig. 2,043,680; June 9.
Printing machine. E. J. Ward. 2,043,600; June 9.
Printing process, Metallic. M. Stone. 2,043,309; June 9.
Processing apparatus. A. J. Kutchera. 2,043,969; June 9.
Propeller blades in the hub, Method of and apparatus for securing. R. Krissiep and W. Linicus. 2,043,481; June 9.
Propeller, Generator. E. J. Weible. 2,043,402; June 9.
Protective dial light. N. Raskhodoff. 2,043,676; June 9.
Pump. F. E. Twiss. 2,043,270; June 9.
Pump for filling machines. L. De Markus. 2,043,578; June 9.
Puzzle. W. M. Costigan. 2,043,506; June 9.
Quinone, Making. H. von Bramer and A. C. Ruggles. 2,043,912; June 9.
Rack. E. T. Stevens. 2,043,841; June 9.
Rack: *See*—
Trayrack.
Racket string tightening machine. J. Saladino. 2,043,813–14; June 9.
Radiator. W. F. Boldt. 2,043,368; June 9.
Radio apparatus. H. P. Pratt. 2,043,517; June 9.
Radio receiver. L. T. Fowler. 2,043,582; June 9.
Radio transmission system, Directional. A. G. Clavier and R. H. Darbord. 2,043,347; June 9.
Range, Combined. W. Bennett. 2,043,816; June 9.
Range, Electric cooking. L. W. Bentley. 2,043,879; June 9.
Razor, Safety. J. Muros. 2,043,837; June 9.
Receptacle: *See*—
Gripping receptacle.
Receptacle, cover therefor, and means for releasing the covers from the receptacles. F. L. Darling. 2,043,788; June 9.
Record member for card index systems. S. W. Pierce. 2,043,675; June 9.
Reenforce bar support. D. H. Bitney. 2,043,867; June 9.
Refractory articles, Manufacture of. G. Witty. 2,043,640; June 9.
Refrigerants, Controlling low temperature. W. F. Baird. 2,043,570; June 9.
Refrigerating machine, Absorption. G. Maiuri. 2,043,548; June 9.
Relay, Electric. L. H. Peter and R. M. MacGregor. 2,043,771; June 9.
Repellent and/or fumigant. E. C. Williams. 2,043,941; June 9.
Reproducing system for sound on film. S. C. Whitman. 2,043,871; June 9.
Resins, Manufacture of synthetic. H. G. Berger. 2,043,824–5; June 9.
Rheostat. N. C. Schellenger. 2,043,777; June 9.
Rocket. L. A. Skinner. 2,043,268; June 9.
Rod: *See*—
Welding rod.
Rollers for printing, Preparing wiping. S. Beaune. 2,043,604; June 9.
Roof for motor cars and other vehicles. O. Brupbacher. 2,043,577; June 9.
Roof structure and material. J. H. Wahl and P. H. Doe. 2,043,271; June 9.
Rosin, Refining. I. W. Humphrey. 2,043,513; June 9.
Rotary engine. J. L. Kempthorne. 2,043,544; June 9.
Rotation mechanism. G. W. Hulshizer. 2,043,352; June 9.
Rubber articles, Construction of. P. A. Raiche. 2,043,630; June 9.
Rubber, Vulcanization of. H. R. Thies. 2,043,939; June 9.
Rugs and the like, Device for stretching. A. J. Preston. 2,043,555; June 9.
Safety device. J. W. Barker. 2,043,365; June 9.
Safety-device for bolt-action firearms. F. F. Burton. 2,043,281; June 9.
Safety device for semitrailers, Fifth wheel. I. Walker. 2,043,342; June 9.
Salts, Diamino-pyridine o-hydroxy benzoic acid. J. Krassny. 2,043,547; June 9.
Sanitary pad. G. H. Jackson, Jr. 2,043,325; June 9.
Saving device. H. A. Binder. 2,043,848; June 9.
Saw and the like, Band. G. A. Allward. 2,043,603; June 9.
Saw set. P. L. Allard. 2,043,876; June 9.
Scaffold. R. A. Uecker. 2,043,498; June 9.
Scaffold, Window. J. F. Novak. 2,043,864; June 9.
Scraper, Earth. P. C. Anderson. 2,043,220; June 9.
Screen grid modulation, System of. W. S. Marks, Jr. 2,043,255; June 9.
Seal, Metal glass. H. Scott. 2,043,307; June 9.
Seal or cap, Bottle. M. W. Coutts and J. S. Gibbons. 2,043,319; June 9.
Seal, Tamperproof closure. S. Grauer. 2,043,243; June 9.
Sealing device for bottles. W. H. Belder and T. M. Cunningham. 2,043,226; June 9.
Seat: *See*—
Adjustable seat.
Seesaw, Portable. H. F. Husted. 2,043,894; June 9.
Sewage disposal apparatus. C. N. Windecker. 2,043,459; June 9.
Sewage, Treating. C. N. Windecker and C. E. Lyon. 2,043,458; June 9.
Sewing machine. N. V. Christensen. 2,043,737; June 9.
Sewing machine. C. F. Rubel and A. Wyleta. 2,043,711; June 9.
Sewing machine. G. Sauer. 2,043,712; June 9.
Sewing machine, Button. M. McCann. 2,043,929; June 9.
Sewing machine, Shoe. F. Ashworth. 2,043,219; June 9.
Sewing machines, Binding attachment for. J. E. Ackerman. 2,043,943; June 9.
Sewing machines, Feeding mechanism for. H. Hacklander. 2,043,749; June 9.
Sharpening device. M. A. Endres. 2,043,656; June 9.
Sharpening device, Razor blade. H. De Haven. 2,043,957; June 9.
Shear. J. A. Smitmans. 2,043,398; June 9.
Shingle strips, Making. L. Kirschbraun. 2,043,545; June 9.
Shock absorber. J. M. Christman. 2,043,317; June 9.
Shock absorber, Fluid type. W. B. Clifford. 2,043,465; June 9.
Shock absorber, Hydraulic. R. F. Peo. 2,043,488–9; June 9.
Shock absorber, Hydraulic. J. B. Whitted. 2,043,500; June 9.
Shoe measuring device. E. J. Bliss. 2,043,649; June 9.
Shoe roughing machine. C. G. Brostrom. 2,043,369; June 9.

Shoe soles, Device for leveling. J. Tweedie. 2,043,819; June 9.
Shoes, Apparatus for making. J. H. Reed. 2,043,805; June 9.
Sign: *See*—
Electric sign.
Sign reflecting in predetermined direction. S. F. Arbuckle and G. H. Coulter. 2,043,690; June 9.
Signaling mechanism, Automatic electric. R. E. Townsend, Jr. 2,043,860; June 9.
Signaling system. D. Mitchell. 2,043,417; June 9.
Signaling system. O. A. Ross. 2,043,493; June 9.
Silk, Device for spinning and further treatment of artificial. O. Bochmann. 2,043,921; June 9.
Ribbon, Thermic. G. J. Christenson. 2,043,425–7; June 9.
Skein dyeing, Random. J. A. Webber. 2,043,870; June 9.
Slicer, Meat. J. Folk. 2,043,850; June 9.
Slicing machine. C. T. Walter. 2,043,361; June 9.
Slug casting machine. G. P. Kingsbury. 2,043,755; June 9.
Snap tape. N. I. Fleischer. 2,043,321; June 9.
Soap, Apparatus for manufacturing a fibrous. M. Igarashi and T. Hatta. 2,043,378; June 9.
Soap cutter. C. T. Walter. 2,043,684; June 9.
Soap, Making tube. C. T. Walter. 2,043,685; June 9.
Socket, Electric. V. L. Vendope. 2,043,499; June 9.
Socket plug. A. E. Grant and S. W. Vanderbeek. 2,043,851; June 9.
Solutions of addition compounds of alkylacridinium salts with heavy metal salts and preparing them, Aqueous. M. Böckmuhl and L. Stein. 2,043,650; June 9.
Solvent extraction of oil. D. R. Merrill. 2,043,389; June 9.
Solvent fractionation of motor fuel stock. O. Fitz Simons. 2,043,288; June 9.
Sound attenuating device. R. B. Bourne. 2,043,731; June 9.
Sound oscillations, Silencing. P. Lueg. 2,043,416; June 9.
Sound recording or reproducing apparatus, Photoelectric. F. Crudo. 2,043,884; June 9.
Sparks and purifying exhaust gases, Apparatus for arresting. L. Markels. 2,043,298; June 9.
Spectacles. H. H. Blase. 2,043,730; June 9.
Spindle, Duplicating roll. S. Offer. 2,043,302; June 9.
Spinning frame. C. Morton. 2,043,765; June 9.
Splicer. C. N. Replogle. 2,043,709; June 9.
Sponges, Preparing artificial. L. P. G. Vautier and R. Faya. 2,043,564; June 9.
Spout, Container pouring. W. B. Lord. 2,043,253; June 9.
Spring assembly. S. E. Erb. 2,043,889; June 9.
Spring-cover and its manufacture. W. T. Ferguson. 2,043,536; June 9.
Squeezer for collapsible tubes. H. R. Hughes. 2,043,248; June 9.
Stand: *See*—
Display stand.
Electric iron stand.
Stand or similar article, Knock-down floor. A. Barron. 2,043,791; June 9.
Stapling mechanism, Rotary. C. G. Quick, D. A. Ball, and W. A. Whitehead. 2,043,558; June 9.
Starting box for racing animals. W. M. Bacon, Jr. 2,043,918; June 9.
Starting mechanism. R. M. Nardone. 2,043,627; June 9.
Steam friction motor, Rotary. C. W. Adair. 2,043,788; June 9.
Steel adapted to be used for articles exposed to high temperatures, Chromium aluminium. E. Schell. 2,043,631; June 9.
Steel, Hardening cobalt. R. H. Harrington. 2,043,533; June 9.
Steering device for boats. C. M. Wellons. 2,043,276; June 9.
Stenciling device. S. G. Johnson. 2,043,438; June 9.
Stock sheets and article of manufacture, Making cut-embossing. G. Papp. 2,043,809; June 9.
Stop, Hydraulic spindle. H. Ernst and C. W. Goodrich. 2,043,406; June 9.
Stove lid lifter. S. Klute. 2,043,439; June 9.
Strainer. E. M. Davis. 2,043,371; June 9.
Stresses in a loaded structure, Determining. J. A. M. Ibañez Valenzuela. 2,043,910; June 9.
Striping machine. A. F. Hulse. 2,043,377; June 9.
Stroboscope, Variable frequency. B. Miller. 2,043,484; June 9.
Stud screw wrench. F. C. Wegner. 2,043,274; June 9.
Stuffing for furniture, Making. J. Kronheim. 2,043,586; June 9.
Submergible motor. D. J. Conant. 2,043,236; June 9.
Submergible motor. D. J. Conant. 2,043,283; June 9.
Substances, Preservation of. W. L. Morgan. 2,043,860; June 9.
Sugar juices, Treating. E. K. Ventre. 2,043,911; June 9.
Support: *See*—
Arch support.
Reenforce bar support.
Supporter, Garment. M. Hawie. 2,043,751; June 9.
Switch: *See*—
Pressure switch.
Switch brace and rerailer. D. Z. Anglin. 2,043,645; June 9.
Switch with automatic release. J. B. Dyer and W. C. Edwards. 2,043,470; June 9.
Switchboards, Cleaning telephone. F. Ackerman. 2,043,278; June 9.
Synchronising device for automotive vehicles. H. J. Murray. 2,043,806; June 9.
Synchronising mechanism. C. H. Barton. 2,043,692; June 9.
Syringe, Hypodermic. M. W. Kratz. 2,043,832; June 9.
Table: *See*—
Collapsible ironing table.
Food cooking and service table.
Tablet, Record. L. D. Norton. 2,043,760; June 9.
Tank: *See*—
Gasoline tank.
Tank gauge float. O. B. Arntsen. 2,043,364; June 9.
Tap for barrels. F. E. Rice. 2,043,491; June 9.
Tape pulling device. A. D. Eltsen. 2,043,240; June 9.
Target, Golf. T. Warson. 2,043,273; June 9.
Telephone apparatus, Automatic. A. Boyé. 2,043,526; June 9.
Telephone system. T. F. Crocker. 2,043,653; June 9.
Telephone transmission circuits. S. B. Wright and L. G. Abraham. 2,043,403; June 9.
Television apparatus. A. Karolus. 2,043,800; June 9.
Television transmitting apparatus. R. Harding, Jr. 2,043,245; June 9.
Thermo-hydrometer. L. Edelmann. 2,043,405; June 9.
Thermometer. K. H. Hubbard. 2,043,583; June 9.
Thermometer. H. Y. Norwood. 2,043,590; June 9.
Thiazoles, Making halogen-substituted. A. M. Clifford. 2,043,948; June 9.
Thread, Processing artificial. P. E. Harrison. 2,043,750; June 9.
Threading device. S. F. Newman. 2,043,862; June 9.
Throttle control mechanism. E. J. Sampson. 2,043,868; June 9.
Tie-holding attachment for shirts. L. Jokela annd V. J. Procita. 2,043,799; June 9.
Tie plate and clip combination. J. G. Delfox. 2,043,320; June 9.
Tiling. A. C. Myers. 2,043,706; June 9.
Tin, Recovering. J. O. Betterton and C. N. Waterman. 2,043,573; June 9.
Tire valve. W. J. Kirkpatrick and F. G. Whittington. 2,043,380; June 9.
Toilet flusher. W. F. Hagedorn. 2,043,434; June 9.
Tool: *See*—
Boring tool.
Dental impression parting tool.
Metal and wood surfacing tool.
Portable tool.
Universal cutting tool.
Tool holder. J. E. McNeil. 2,043,442; June 9.
Tool holder, Adjustable. A. Subia. 2,043,598; June 9.
Tools, Adjustment of the carriage of machine. H. Lindner. 2,043,625; June 9.
Toothbrush. J. A. Malcolm. 2,043,898; June 9.
Torch, High temperature. A. Rava. 2,043,867; June 9.
Track for the wheels of vehicles. J. M. Colby. 2,043,233–5; June 9.
Traffic controlling apparatus, Railway. C. W. Fallor. 2,043,740; June 9.
Traffic controlling apparatus, Railway. F. H. Nicholson and H. G. Blosser. 2,043,768; June 9.
Traffic controlling apparatus, Railway. F. H. Nicholson and H. W. Bryan. 2,043,767; June 9.
Trammel for animals. C. S. Huber. 2,043,410; June 9.
Tramway station construction. J. B. Strauss. 2,043,856; June 9.
Transfer apparatus. E. J. Protin. 2,043,556; June 9.
Transmission. H. A. Knox and T. Hay Nixon. 2,043,251; June 9.
Transmission shifts, Restraining. T. B. Tyler. 2,043,783; June 9.
Transmission system Distorsionless. W. W. Macalpine. 2,043,587; June 9.
Trap plug. H. Klein. 2,043,412; June 9.
Tray, Burner. S. Leonard. 2,043,332; June 9.
Tray, Dental impression supporting. L. Kalvin. 2,043,294; June 9.
Tray rack. R. C. Burnley. 2,043,605; June 9.
Tread stock for inner tubes. M. C. Bacon. 2,043,315; June 9.
Truck for air tramways. J. B. Strauss. 2,043,357; June 9.
Truck, Furniture. J. L. Dement. 2,043,887; June 9.
Tube: *See*—
Glow discharge tube.
Vacuum discharge tube.
Vacuum tube.
Tube expansion extrusion die. C. T. Walter. 2,043,683; June 9.
Tube threading device. E. R. Koons and O. E. Koehler. 2,043,353; June 9.
Tuck-making device. T. E. Carroll and F. J. Meyers. 2,043,735; June 9.
Typewriter carriage. C. C. Dahl. 2,043,870; June 9.
Typewriter, Power operated. W. J. Pasinski. 2,043,393; June 9.
Universal cutting tool. M. Tarasuk. 2,043,679; June 9.
Vacuum discharge tube, High voltage. A. Brasch and F. Lange. 2,043,733; June 9.
Vacuum tube. H. G. Anderson. 2,043,724; June 9.

Valve: *See*—
Diverter valve.
Liquid relief valve.
Plug valve.
Poultry fountain valve.
Tire valve.
Valve, and nozzle for fuel tanks and other containers, Combined closure filling. V. C. Smith. 2,043,337; June 9.
Valve assembly. H. H. Bixler. 2,043,849; June 9.
Valve fabricating apparatus, Composite metal. G. R. Rich. 2,043,773; June 9.
Valve for bus heaters. L. C. Hyatt. 2,043,798; June 9.
Valve for liquid fuel burners. A. A. Halter. 2,043,892; June 9.
Valve for shock absorbers. F. P. Becker. 2,043,572; June 9.
Valve stem handle. J. Newmark. 2,043,418; June 9.
Vanity case. R. C. Bangs. 2,043,726; June 9.
Vapor electric device. C. A. Sabbah and F. H. Anderson. 2,043,839; June 9.
Vase, Sectional beauty. G. B. Hart. 2,043,375; June 9.
Vehicle body. R. L. Carr. 2,043,652; June 9.
Vehicle body construction. F. E. Montgomery. 2,043,804; June 9.
Vehicle guide means. D. W. Main. 2,043,703; June 9.
Vehicle, Motor. F. C. Best. 2,043,228; June 9.
Vehicle wheel. C. L. Eksergian. 2,043,951; June 9.
Vehicle wheel. O. U. Zerk. 2,043,875; June 9.
Vehicles by road, Transporting railway. J. Culemeyer. 2,043,507; June 9.
Vibrator. W. W. Garstang. 2,043,290; June 9.
Vibrator, Cartridge type. W. W. Garstang. 2,043,746; June 9.
Washer assembly, Thrust. P. W. Baker. 2,043,790; June 9.
Water closet. D. S. Williams. 2,043,821; June 9.
Water filtration apparatus. T. R. Camp. 2,043,734; June 9.
Water level controller. B. W. Dezotell. 2,043,530; June 9.
Water level gauge. P. A. Jerguson. 2,043,753; June 9.
Waterproofing composition and process. J. R. Hubbard. 2,043,324; June 9.
Wave transmission network. S. Bobis. 2,043,345; June 9.
Weather strip, Door. J. I. Hamm. 2,043,700; June 9.
Weight, Paper. A. G. Eilinwood. 2,043,611; June 9.
Welding, Electric. L. T. Jones, H. E. Kennedy, and M. A. Rotermund. 2,043,960; June 9.
Welding rod, Aluminum. F. Keller. 2,043,855; June 9.
Well cleaner. L. C. Tilbury and G. F. Turechek. 2,043,340; June 9.
Wells, Drilling. G. Blow. 2,043,504; June 9.
Wells, Method and apparatus for testing the productivity of the formation in. A. L. Armentrout and E. B. Hall. 2,043,225; June 9.
Wetting agents for mercerizing solutions. F. Müns and O. Bayer. 2,043,329; June 9.
Wheel: *See*—
Vehicle wheel.
Wheel and axle assembly. F. E. Bachman. 2,043,421; June 9.
Whipstock, Automatically orienting. E. K. Lane. 2,043,381; June 9.
Window cleaner, Power driven. H. von Littrow and F. H. Zehl. 2,043,637; June 9.
Window for automobiles, Ventilating. H. E. Van Voorhees and E. G. Simpson. 2,043,311; June 9.
Windshield, Free vision. J. O. Lalancette. 2,043,756; June 9.
Windshield operating mechanism. A. L. De Cary. 2,043,349; June 9.
Windshield, Vehicle. W. L. Morrison. 2,043,672; June 9.
Wine and vinegar clarification process. L. G. Saywell. 2,043,713; June 9.
Wiper, Window. J. J. Rosen. 2,043,775; June 9.
Wiper, Windshield. J. W. Anderson. 2,043,218; June 9.
Wire, Insulated. W. J. Homer. 2,043,702; June 9.
Wire insulation testing apparatus and method. R. L. Davis. 2,043,528; June 9.
Wood, Process of finishing. H. Jamieson. 2,043,541; June 9.
Wrench: *See*—
Stud screw wrench.
Wringer release mechanism. C. Moon. 2,043,390; June 9.
Wringing mechanism and swab holder lock for wringer mops, Combination. J. L. Nilson. 2,043,975; June 9.
Writing computing machine. H. A. Foothorap. 2,043,580; June 9.
Yarn and making same, Inlaid. J. H. Purdy. 2,043,333; June 9.
Yarn measuring device. J. A. Adell. 2,043,569; June 9.
Yarn tensioning and guiding device for weavers' shuttles. E. Scherdel. 2,043,395; June 9.
Yarns, Apparatus for use in the drawing, spinning, and twisting of. F. Dawes. 2,043,607; June 9.
Yeast, Apparatus for the manufacture of. E. van Thiel. 2,043,940; June 9.

CLASSIFICATION OF PATENTS

ISSUED JUNE 9, 1936

NOTE.—First number—class, second number—subclass, third number—patent number

1— 7: 2,043,558
49.4: 2,043,576
2— 115: 2,043,799
180: 2,043,527
179: 2,043,330
243: 2,043,538
265: 2,043,321
4— 146: 2,043,540
161: 2,043,741
166: 2,043,264
249: 2,043,521
5— 114: 2,043,554
8— 19: 2,043,570
20: 2,043,329
10— 89: 2,043,862
123: 2,043,353
12— 12: 2,043,305
88: 2,043,819
15— 51: 2,043,878
120: 2,043,973
2,043,974
2,043,975
147: 2,043,303
150: 2,043,758
160: 2,043,338
167: 2,043,898
171: 2,043,757
220: R. 20,002
245: 2,043,775
256: 2,043,637
269: 2,043,278
16— 86: 2,043,976
18— 5: 2,043,503
8: 2,043,921
15: 2,043,455
30: 2,043,584
33: 2,043,475
48: 2,043,564
2,043,685
48.8: 2,043,938
53: 2,043,939
2,043,954
54: 2,043,722
2,043,750
58: 2,043,630
19— 66: 2,043,586
130: 2,043,765
131: 2,043,505
20— 1.4: 2,043,519
16: 2,043,472
2,043,473
18: 2,043,780
20: 2,043,490
69: 2,043,700
71: 2,043,835
22— 65: 2,043,956
95: 2,043,593
23— 2: 2,043,263
109: 2,043,238
142: 2,043,743
151: 2,043,930
152: 2,043,284
250: 2,043,257
2,043,258
2,043,259
2,043,260
268: 2,043,710
24— 8: 2,043,397
130: 2,043,716
182: 2,043,299
186: 2,043,463
139: 2,043,553
163: 2,043,462
183: 2,043,745
191: 2,043,696
245: 2,043,751
26— 8: 2,043,662
2,043,663
2,043,686
106: 2,043,684
186: 2,043,222
28— 1: 2,043,451
29— 33: 2,043,915
44: 2,043,772
76: R. 19,999
2,043,509
29— 90: 2,043,481
155.53: 2,043,474
166: 2,043,551
30— 9: 2,043,594
11: 2,043,907
61: 2,043,537
32— 3: 2,043,742
18: 2,043,294
32: 2,043,304
40: 2,043,531
33— 3: 2,043,549
30: 2,043,430
104: 2,043,729
132: 2,043,569
172: 2,043,914
174: 2,043,230
181: 2,043,625
185: 2,043,613
34— 12: 2,043,681
20: 2,043,795
26: 2,043,721
36— 71: 2,043,396
37— 108: 2,043,413
140: 2,043,220
143: 2,043,391
40— 10: 2,043,760
23: 2,043,919
52: 2,043,511
130: 2,043,690
156: 2,043,752
41— 13: 2,043,770
20: 2,043,309
42— 70: 2,043,281
43— 3: 2,043,527
46: 2,043,244
48: 2,043,609
49: 2,043,517
45— 2: 2,043,893
24: 2,043,555
90: 2,043,304
46— 151: 2,043,658
47— 41: 2,043,375
61: Pl.Pt.179
Pl.Pt.180
Pl.Pt.181
Pl.Pt.182
49— 31: 2,043,307
51— 48: 2,043,406
103: 2,043,972
158: 2,043,957
278: 2,043,766
61— 52: 2,043,452
61: 2,043,891
62— 91.5: 2,043,570
108.5: 2,043,881
118: 2,043,723
119: 2,043,548
126: 2,043,496
2,043,917
64— 25: 2,043,866
29: 2,043,502
66— 25: 2,043,852
63: 2,043,286
117: 2,043,958
172: 2,043,715
68— 9: 2,043,326
2,043,332
2,043,384
2,043,467
2,043,468
2,043,469
2,043,480
2,043,497
2,043,537
10: 2,043,335
11: 2,043,466
27: 2,043,506
69— 1: 2,043,369
70— 14: 2,043,606
29: 2,043,787
122: 2,043,572
71— 10: 2,043,265
72— 1: 2,043,697
16: 2,043,445
19: 2,043,440
20: 2,043,706
72— 122: 2,043,367
73— 51: 2,043,280
2,043,308
2,043,618
2,043,845
2,043,964
52: 2,043,563
2,043,590
54: 2,043,435
2,043,753
55: 2,043,847
82: 2,043,364
151: 2,043,910
202: 2,043,636
253: 2,043,963
74— 260: 2,043,322
305: 2,043,261
325: 2,043,783
343: 2,043,251
75— 17: 2,043,387
78: 2,043,524
2,043,574
2,043,575
84: 2,043,363
85: 2,043,573
124: 2,043,631
151: 2,043,588
76— 73: 2,043,876
77— 58: 2,043,614
2,043,689
80— 60: 2,043,521
81— 1: 2,043,442
3: 2,043,546
53: 2,043,274
82— 1: 2,043,679
2: 2,043,967
6: 2,043,947
83— 12: 2,043,328
84— 1: 2,043,828
85— 1: 2,043,861
87— 2: 2,043,513
6: 2,043,409
9: 2,043,638
2,043,836
2,043,922
2,043,923
2,043,961
2,043,962
88— 1: 2,043,292
1.5: 2,043,900
14: 2,043,589
2,043,816
2,043,908
16: 2,043,901
16.4: 2,043,522
17: 2,043,909
24: 2,043,654
2,043,916
2,043,928
2,043,970
48: 2,043,730
53: 2,043,842
2,043,843
54: 2,043,840
79: 2,043,414
89— 27: 2,043,287
33: 2,043,495
90— 13.4: 2,043,810
15.1: R. 19,998
21.5: 2,043,406
33: 2,043,420
2,043,896
91— 12.2: 2,043,867
2,043,966
62.6: 2,043,377
63: 2,043,643
67.8: 2,043,604
68: 2,043,324
2,043,545
2,043,805
69: 2,043,906
70: 2,043,541
2,043,897
72: 2,043,449
73: 2,043,559
92— 50: 2,043,416
93— 2: 2,043,376
2,043,829
2,043,830
33: 2,043,554
35: 2,043,782
94— 18: 2,043,571
95— 7: 2,043,905
31: 2,043,539
2,043,612
2,043,902
32: 2,043,926
44: 2,043,968
76: 2,043,802
98— 13: 2,043,285
97— 123: 2,043,619
221: 2,043,656
98— 39: 2,043,561
99: 2,043,815
101: 2,043,934
99— 48: 2,043,718
68: 2,043,443
100: 2,043,739
113: 2,043,372
159: 2,043,392
163: 2,043,860
100— 57: 2,043,366
101— 3: 2,043,246
66: 2,043,680
96: 2,043,600
125: 2,043,438
196: 2,043,432
269: 2,043,543
388: 2,043,660
102— 6: 2,043,565
12: 2,043,256
23: 2,043,268
39: 2,043,266
103— 53: 2,043,270
76: 2,043,762
142: 2,043,544
104— 12: 2,043,585
94: 2,043,356
2,043,357
264: 2,043,645
105— 215: 2,043,703
249: 2,043,602
282: 2,043,615
2,043,616
106— 9: 2,043,640
10: 2,043,249
24: 2,043,641
2,043,642
107— 8: 2,043,252
19: 2,043,846
108— 7: 2,043,959
18: 2,043,271
32: 2,043,390
110— 14: 2,043,459
33: 2,043,719
173: 2,043,808
112— 16: 2,043,711
2,043,737
2,043,748
18: 2,043,749
38: 2,043,219
48: 2,043,591
110: 2,043,929
137: 2,043,943
144: 2,043,735
266: 2,043,712
113— 1: 2,043,838
89: 2,043,773
112: 2,043,811
2,043,952
114— 162: 2,043,276
116— 84: 2,043,277
114: 2,043,447
118: 2,043,877
117— 27.5: 2,043,552
118— 54: 2,043,607
59.5: 2,043,520
69: 2,043,333
119— 15.5: 2,043,918
51: 2,043,595
107: 2,043,410
120— 82: 2,043,611
121— 7: 2,043,352
122— 68: 2,043,425
2,043,426
2,043,427
252: 2,043,983
123— 15: 2,043,518
65: 2,043,296
171: 2,043,531
179: 2,043,623
2,043,627
126— 36: 2,043,316
2,043,365
39: 2,043,382
110: 2,043,487
121: 2,043,429
211: 2,043,439
271.2: 2,043,761
272: 2,043,310
344: 2,043,437
127— 46: 2,043,911
128— 215: 2,043,832
241: 2,043,882
269: 2,043,678
284: 2,043,325
420: 2,043,422
129— 16.7: 2,043,675
30: 2,043,323
132— 33: 2,043,592
2,043,634
82: 2,043,726
134— 56: 2,043,397
137— 53: 2,043,453
77: 2,043,227
104: 2,043,892
139: 2,043,632
153: 2,043,798
138— 42: 2,043,644
139— 21: 2,043,942
213: 2,043,395
143— 133: 2,043,603
144— 208: 2,043,622
145— 122: 2,043,778
146— 49: 2,043,873
102: 2,043,850
111: 2,043,361
148— 8: 2,043,300
17: 2,043,549
21.5: 2,043,533
149— 2: 2,043,667
150— 1.6: 2,043,833
36: 2,043,630
52: 2,043,327
152— 12: 2,043,380
13: 2,043,316
153— 1: 2,043,536
3: 2,043,792
61: 2,043,665
154— 2: 2,043,809
9: 2,043,937
30: 2,043,535
33: 2,043,351
155— 82: 2,043,287
112: 2,043,626
157: 2,043,432
166: 2,043,669
156— 17: 2,043,501
158— 28: 2,043,997
78: 2,043,471
159— 4: 2,043,378
164— 47: 2,043,396
60: 2,043,518
112: 2,043,231
120: 2,043,554
166— 1: 2,043,225
10: 2,043,492
15: 2,043,428
20: 2,043,340
167— 22: 2,043,941
24: 2,043,267
58: 2,043,633
90: 2,043,657
168— 13: 2,043,358
2,043,359
170— 68: 2,043,402
159: 2,043,736
171— 95: 2,043,495
171— 252: 2,043,655
172— 36: 2,043,236
2,043,263
126: 2,043,386
229: 2,043,744
173— 28: 2,043,754
259: 2,043,557
264: 2,043,702
266: 2,043,400
2,043,401
269: 2,043,512
318: 2,043,523
320: 2,043,247
329: 2,043,499
353: 2,043,341
361: 2,043,666
2,043,851
175— 41: 2,043,532
183: 2,043,241
2,043,526
294: 2,043,822
298: 2,043,904
320: 2,043,771
363: 2,043,515
176— 14: 2,043,925
26: 2,043,913
124: 2,043,484
177— 311: 2,043,360
2,043,857
2,043,931
327: 2,043,727
329: 2,043,793
337: 2,043,493
349: 2,043,707
380: 2,043,673
178— 6: 2,043,245
44: 2,043,345
2,043,403
2,043,417
2,043,774
46: 2,043,346
66: 2,043,355
69.5: 2,043,800
179— 1: 2,043,416
2: 2,043,348
27: 2,043,653
78: 2,043,399
90: 2,043,526
2,043,674
100.3: 2,043,871
171: 2,043,255
2,043,448
2,043,587
180— 73: 2,043,542
181— 48: 2,043,731
182— 24: 2,043,412
183— 49: 2,043,298
76: 2,043,944
184— 6: 2,043,529
7: 2,043,229
2,043,326
16: 2,043,690
188— 18: 2,043,933
78: 2,043,444
79.5: R. 20,001
88: 2,043,300
89: 2,043,493
100: 2,043,455
2,043,499
140: 2,043,516
163: 2,043,732
230: 2,043,693
191— 44.1: 2,043,709
192— .01: 2,043,785
2,043,786
2,043,868
6: 2,043,486
33: 2,043,568
36: 2,043,794
2,043,812
41: 2,043,695
48: 2,043,784
53: 2,043,692
2,043,806
2,043,807
91: 2,043,314

195—	142:	2,043,940	208—	93:	2,043,759	229—	87:	2,043,419	260—	27.5:	2,043,724	261—	14:	2,043,647	285—	91:	2,043,562
196—	13:	2,043,388	210—	2:	2,043,458	230—	199:	2,043,535			2,043,733		41:	2,043,514		143:	2,043,407
		2,043,389		23:	2,043,705		231:	2,043,849			2,043,839			2,043,801		168:	2,043,935
	16:	2,043,691		48:	2,043,379		242:	2,043,404		36:	2,043,242			2,043,895	287—	53:	2,043,418
	32:	2,043,254		69:	2,043,661	232—	4:	2,043,848		41.5:	2,043,671		76:	2,043,599		58:	2,043,218
	37:	2,043,288			2,043,662	233—	1:	2,043,350	251—	22:	2,043,668	263—	47:	2,043,456		62:	2,043,598
	40:	2,043,936			2,043,663		12:	2,043,313		93:	2,043,863		53:	2,043,859	290—	35:	2,043,331
	49:	2,043,269		130:	2,043,734	235—	59:	2,043,580		134:	2,043,477	265—	1.6:	2,043,953	292—	75:	2,043,560
197—	17:	2,043,393		131:	2,043,781		92:	2,043,295		168:	2,043,971		44:	2,043,457		204:	2,043,903
	126:	2,043,581		198:	2,043,371		133:	2,043,221		46:	2,043,788		46:	2,043,495	294—	86:	2,043,460
	127:	2,043,370	211—	31:	2,043,620		138:	2,043,279	253—	80:	2,043,887	266—	34:	2,043,224	295—	36:	2,043,421
198—	20:	2,043,556		60:	2,043,841	236—	91:	2,043,834	254—	9:	2,043,373	267—	8:	2,043,317	296—	44:	2,043,311
	103:	2,043,969		135:	2,043,791	238—	267:	2,043,220		22:	2,043,820			2,043,572			2,043,652
	220:	2,043,747		174:	2,043,605		41.35:	2,043,289		88:	2,043,479		20:	2,043,889		66:	2,043,804
199—	56:	2,043,755	213—	8:	2,043,344	240—	41.5:	2,043,567		100:	2,043,362		61:	2,043,566		84:	2,043,349
	64:	2,043,955		9:	2,043,383	242—	72:	2,043,563	255—	1:	2,043,381	271—	2.3:	2,043,230			2,043,672
200—	44:	2,043,880			2,043,384		74:	2,043,302			2,043,504			2,043,354			2,043,766
	81:	2,043,447	215—	7:	2,043,226		75:	2,043,423	256—	13.1:	2,043,525			2,043,553		100:	2,043,858
	83:	2,043,579			2,043,243		78:	R. 20,000	257—	3:	2,043,469		2.4:	2,043,240		106:	2,043,577
	84:	2,043,520		11:	2,043,718	243—	16:	2,043,293		126:	2,043,268	272—	54:	2,043,804	299—	115:	2,043,714
	88:	2,043,306		46:	2,043,319	244—	1:	2,043,262	259—	54:	2,043,621	273—	35:	2,043,373	301—	9:	2,043,875
	90:	2,043,290	219—	8:	2,043,855		19:	2,043,704			2,043,763		73:	2,043,813		37:	2,043,874
		2,043,461			2,043,927		29:	2,043,275	260—	2:	2,043,524			2,043,814		64:	2,043,961
		2,043,746		10:	2,043,980	246—	34:	2,043,740			2,043,525		107:	2,043,606	304—	2:	2,043,498
	114:	2,043,494		19:	2,043,707			2,043,787		11:	2,043,650		129:	2,043,577		10:	2,043,312
	122:	2,043,470		20:	2,043,579			2,043,788		16:	1,043,949		132:	2,043,506		27:	2,043,864
	168:	2,043,803		35:	2,043,601	247—	8:	2,043,778		42:	2,043,547		135:	2,043,452	305—	16:	2,043,253
201—	55:	2,043,777		39:	2,043,510			2,043,796		44:	2,043,948		139:	2,043,201			2,043,254
202—	16:	2,043,646	220—	43:	2,043,736		15:	2,043,648		48:	2,043,282		141:	2,043,464			2,043,255
	141:	2,043,945		57:	2,043,626		23:	2,043,865		58:	2,043,912		151:	2,043,343	306—	19:	2,043,464
204—	4:	2,043,823		62:	2,043,694	248—	63:	2,043,717		86:	2,043,869	274—	5:	2,043,894	308—	22:	2,043,446
	5:	2,043,698		66:	2,043,339		122:	2,043,896		102:	2,043,899		10:	2,043,780		28:	2,043,725
	25:	2,043,701		86:	2,043,223		174:	2,043,483		103:	2,043,688		17:	2,043,687		71:	2,043,272
205—	6:	2,043,431	221—	11:	2,043,253	250—	11:	2,043,336		104:	2,043,479		44:	2,043,780		89:	2,043,794
		2,043,617		60:	2,043,248			2,043,347		113:	2,043,670	280—	8:	2,043,374		163:	2,043,780
	14.1:	2,043,201		98:	2,043,478			2,043,624		114:	2,043,534		33.1:	2,043,342		187:	2,043,885
		2,043,620		101:	2,043,434		26:	2,043,582		127:	2,043,965			2,043,610	309—	7:	2,043,980
	19.5:	2,043,886		119:	2,043,318		27:	2,043,676		124:	2,043,969		33.2:	2,043,507		30:	2,043,434
	41.4:	2,043,888	225—	1:	2,043,856			2,043,844		148:	2,043,946		94.2:	2,043,226	312—	62:	2,043,560
	58:	2,043,250	226—	15:	2,043,411		27.5:	2,043,517		154:	2,043,232	284—	18:	2,043,287		74:	2,043,661
		2,043,890		108:	2,043,578			2,043,659		158:	2,043,708	285—	29:	2,043,486		108:	2,043,728
	66:	2,043,385	229—	53:	2,043,924			2,043,720		166:	2,043,932		49:	2,043,491		112:	2,043,779

U. S. GOVERNMENT PRINTING OFFICE: 1936

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

A. & F. Products, New York, N. Y. Scissors sharpeners. Serial No. 374,809; June 16. Class 23.

Acme Chemical Company, Milwaukee, Wis. Soot destroyer and fuel saver. Serial No. 375,918; June 16. Class 6.

American Blower Corporation, Detroit, Mich. Refrigerating machinery or apparatus and water coolers. Serial No. 342,462; June 16. Class 31.

American Chemical Paint Company, Ambler, Pa. Chemical substances used in treating metals preparatory to painting. Serial No. 376,186; June 16. Class 6.

American Coil Spring Company, Muskegon, Mich. Springs for general use. Serial No. 365,110; June 16. Class 13.

American Houses, Inc., New York, N. Y. Heating and air conditioning systems. Serial No. 374,962; June 16. Class 34.

American Maize-Products Company, New York, N. Y. Corn starch for use as a food product. Serial No. 377,820; June 16. Class 46.

American Optical Company, Southbridge, Mass. Ophthalmic mountings and parts thereof. Serial No. 376,656; June 16. Class 26.

American Wringer Company, Inc., Woonsocket, R. I. Rubber surfaced squeeze rolls. Serial No. 373,479; June 16. Class 23.

Anderson Box Company, Indianapolis, Ind. Oil brooder stoves. Serial No. 371,843; June 16. Class 34.

Arden, Elizabeth, Laboratories. (See De Long Laboratories, Inc.)

Arrow Upholstery Co., Inc., New York, N. Y. Furniture and upholstery. Serial No. 361,299; June 16. Class 32.

Atlantic Research Associates, Inc., Boston, Mass. Mica pigments. Serial No. 370,932; June 16. Class 16.

Austenal Laboratories, Inc., New York, N. Y., and Chicago, Ill. Dentures. Serial No. 376,371; June 16. Class 44.

Autographic Register Company, Hoboken, N. J. Carbon paper. Serial No. 375,116; June 16. Class 11.

Bell, Emily W., San Marino, Calif. Sanitary toilet pan for pets. Serial No. 377,663; June 16. Class 2.

Benicia Fisheries, Inc., Benicia, Calif. Canned fish. Serial No. 370,935; June 16. Class 46.

Berkowitz Bros. Inc., Newark, N. J. Chocolates, chocolate covered nuts, chocolate covered fruits, etc., crushed fruit syrups, and concentrated syrups. Serial No. 376,742; June 16. Class 46.

Better Made Packing Company. (See Neiman, Jack.)

Bolta Rubber Comb Sales Corp., New York, N. Y. Combs. Serial No. 363,647; June 16. Class 40.

Borden Company, The, New York, N. Y. Cheese. Serial No. 374,703; June 16. Class 46.

Bradley, Jeanne, Incorporated, Cleveland, Ohio. Facial preparation. Serial No. 376,080; June 16. Class 6.

Bradstone Rubber Company, Woodbine, N. J. Rubber heels and rubber soles. Serial No. 377,345; June 16. Class 39.

Brazil Oiticica S. A., Rio de Janeiro, Brazil. Paint oil. Serial No. 367,283; June 16. Class 16.

Breeze Corporations, Inc., Newark, N. J. Conduits, tubing, and hose. Serial No. 376,793; June 16. Class 35.

Brill Brothers, Inc., New York, N. Y. Suits, overcoats, topcoats, etc. Serial No. 377,629; June 16. Class 39.

Brown-Forman Distillery Company, Louisville, Ky. Whiskey, gin, rum, etc. Serial No. 375,754; June 16. Class 49.

Brunk, John H., Los Angeles, Calif. Typewriters and check-writers. Serial No. 371,512; June 16. Class 23.

Byco Distributors, Inc., Phoenix, Ariz. Fresh vegetables and melons and citrus fruit. Serial Nos. 376,459–60; June 16. Class 46.

Caradine Hat Company, St. Louis, Mo. Hats. Serial No. 377,378; June 16. Class 39.

Carpathian Import Herbs Co., The. (See Szczepkowski, Miroslaw.)

Carson Pirie Scott & Company, Chicago, Ill. Infants' wear. Serial No. 371,141; June 16. Class 39.

Chemco Photoproducts Company, Glen Cove, Long Island, N. Y. Etching enamel for engravers' plates. Serial No. 377,774; June 16. Class 11.

Children's House, The. (See Wheeler, Ruth S.)

Clark-Bradley, Inc., Rochester, N. Y. Breakfast foods. Serial No. 377,179; June 16. Class 46.

Cleveland Gypsum Company, The, Cleveland, Ohio. Acoustical and sound absorbing plaster. Serial No. 377,455; June 16. Class 12.

Columbian Rope Company, Auburn, N. Y. Vegetable fiber twine. Serial Nos. 377,960–1; June 16. Class 7.

Columbian Rope Company, Auburn, N. Y. Vegetable fiber twine. Serial Nos. 377,963–6; June 16. Class 7.

Compania Argentina de Quebracho 'Marca Formosa' Sociedad Anonima, Buenos Aires, Argentina. Tanning extracts of vegetable origin. Serial No. 370,598; June 16. Class 6.

Conco Engineering Works, Mendota, Ill. Ice cream freezers. Serial No. 364,855; June 16. Class 31.

Continental Pure Products Co. (See Polefsky, Jacob S.)

Cox, Vera, Newark, N. J. Cleansing cream, vanishing cream, cleansing oil, etc. Serial No. 373,163; June 16. Class 6.

Crompton & Lee, Avon by the Sea, N. J. Potato chips. Serial No. 376,752; June 16. Class 46.

Crown Point Products, Inc., Asbury Park, N. J. Gasoline engine spark plugs. Serial No. 372,228; June 16. Class 21.

Cummins Distilleries Corporation, Louisville and Athertonville, Ky. Whiskies. Serial No. 378,300; June 16. Class 49.

Davis, Le Roy, doing business as C. W. Davis & Sons, Washington, D. C. Polish for beautifying and preserving furniture, etc. Serial No. 372,314; June 16. Class 16.

Decker, Alfred, & Cohn, Inc., Chicago, Ill. Men's overcoats. Serial No. 377,141; June 16. Class 39.

De Land, C. M., New York, N. Y. Woolen piece goods. Serial No. 375,323; June 16. Class 42.

De Long Laboratories, Inc., doing business as Elizabeth Arden Laboratories, and Screen and Stage Make-Up by Elizabeth Arden, Ltd., Hollywood, Calif. Foundation cream. Serial No. 376,654; June 16. Class 6.

Democracy Publishing Company, The, Kansas City, Mo. Monthly political magazine. Serial No. 376,381; June 16. Class 38.

Dickinson, J. M., Nashville, Tenn. Pickles, marmalades, fruit preserves, etc. Serial No. 362,353; June 16. Class 46.

Domestic Products Corporation, Belleville, N. J. Maraschino cherries, and candied or glace cherries and pineapples, in bottles and boxes. Serial No. 377,213; June 16. Class 46.

Drake, Doris, New York, N. Y. Shampoo powders, shampoo liquids, and lanoline compounds. Serial No. 376,530; June 16. Class 6.

Eastman Kodak Company, Rochester, N. Y. Artists' water colors. Serial No. 376,531; June 16. Class 16.

Eberhard, Geo. H., Company, The, San Francisco, Calif. Diesel oil burners. Serial No. 375,007; June 16. Class 34.

Ehlers, Albert, Inc., Brooklyn, N. Y. Tea and coffee. Serial No. 378,041; June 16. Class 46.

Electronic Laboratories, Inc., Indianapolis, Ind. Electric vibrators, converters, and vibrator power supply units. Serial No. 374,362; June 16. Class 21.

Elgin National Watch Company, Chicago and Elgin, Ill. Watches, watch movements, and watch cases. Serial No. 374,324; June 16. Class 27.

Elmquist, Francis, doing business as House of Twigs, Kansas City, Mo. Astringents, cleansing cream, all purpose creams, etc. Serial No. 375,636; June 16. Class 6.

Esslinger's, Inc., Philadelphia, Pa. Ale. Serial No. 377,915; June 16. Class 48.

Farmers' Cooperative Exchange, Raleigh, N. C. Field and garden seeds. Serial No. 374,459; June 16. Class 1.

Finch, Joseph S., and Company, New York, N. Y. Whiskey, brandy, gin, etc. Serial No. 377,678; June 16. Class 49.

Fischer, J. P., Inc., New York, N. Y. Electrical hair and scalp conditioners. Serial No. 375,986; June 16. Class 44.

Food Products Co. of America, Chicago, Ill. Baking chocolate and canned lima beans, pork and beans, mackerel, etc. Serial No. 376,385; June 16. Class 46.

Foote Bros. Gear and Machine Corporation, Chicago, Ill. Reduction gearing. Serial No. 376,842; June 16. Class 23.

Franklin Die Casting Co., Inc., Chicago, Ill. Statuettes, statues, wall plaques, etc., for home or garden decoration. Serial No. 371,916; June 16. Class 50.

Fruit Products Corporation, Belleville, N. J., and New York, N. Y. Maraschino cherries, and candied or glace cherries and pineapples in bottles and boxes. Serial No. 377,217; June 16. Class 46.

Gartenberg, H., & Co., Chicago, Ill. Tanners' egg yolk liquid. Serial No. 374,290; June 16. Class 1.

Glasscheib, Arnold, New York, N. Y. Wax and chalk crayons. Serial No. 370,922; June 16. Class 37.

Graves, Herbert E., Chicago, Ill. Cosmetic pomade for curling eye lashes. Serial No. 376,046; June 16. Class 6.

Hanna, Atto N., doing business as Parallex Binding Company, Newark, N. J. Blank books and pamphlets and binding materials therefor. Serial No. 376,204; June 16. Class 37.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Harlem-Adler & Co., Inc., New York, N. Y. Dress ornaments. Serial No. 376,388; June 16. Class 40.

Helms Bakeries, Los Angeles, Calif. Bread. Serial No. 372,670; June 16. Class 46.

Henry, Sidney, doing business as S. H. Hirsch, New York, N. Y. Hair nets of human hair, etc., water-wave nets and veils, etc. Serial No. 378,075; June 16. Class 42.

Hibbard, Spencer, Bartlett & Company, Chicago, Ill. Teakettles, coffee-boilers, coffee-pots, etc. Serial No. 374,750; June 16. Class 13.

Highland Exchange Association, Highland, Calif. Fresh citrus fruits. Serial No. 374,715; June 16. Class 46.

Hillside Packing Association, The, Lindsay, Calif. Fresh citrus fruit. Serial No. 375,438; June 16. Class 46.

Hirsch, S. H. (See Henry, Sidney.)

Hi-Speed Tire and Accessory Company, Toledo, Ohio. Radio receiving sets and parts thereof, electric bulbs, etc. Serial No. 376,721; June 16. Class 21.

Horn, A. C., Company, Long Island City, N. Y. Rubber compound. Serial No. 375,053; June 16. Class 12.

Horn, A. C., Company, Long Island City, N. Y. Caulking and glazing compound. Serial No. 375,054; June 16. Class 12.

House of Twigs. (See Elmquist, Francis.)

Huber, William E., doing business as Wonderene Company, Milwaukee, Wis. Liquid preparation for bleaching, cleaning, sterilizing, etc. Serial No. 376,533; June 16. Class 6.

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Polymerized vinyl compounds. Serial No. 376,125; June 16. Class 6.

Iodobor Co. (See Josephson, Emanuel M.)

Josephson, Emannel M., doing business as Iodobor Co., New York, N. Y. Iodine powder. Serial No. 373,511; June 16. Class 6.

Kalor Manufacturing Company, St. Louis, Mo. Pads containing chemical ingredients and used in permanent waving of the human hair. Serial No. 376,592; June 16. Class 44.

Kaneski, J. A. (See Kuznicki, Joseph A.)

Kangur, Lida, New York, N. Y. Hair and scalp preparation. Serial No. 371,642; June 16. Class 6.

Kay-Brunner Steel Products Inc., Alhambra, Calif. Machines for forming, grading, ripping, and otherwise working roads; hydraulic pumps; and hoists. Serial No. 377,741; June 16. Class 23.

Kayser, Julius, & Co., New York, N. Y. Fabric gloves. Serial No. 377,001; June 16. Class 39.

Kerr, Alex., Bro. & Co., Inc., Philadelphia, Pa. Salt. Serial No. 377,579; June 16. Class 46.

Kingsland, Daniel H., doing business as Kingsland Jewelry Manufacturing Company, New York, N. Y. Jewelry. Serial No. 374,958; June 16. Class 28.

Klee & Coleman, Indianapolis, Ind. Beverages, and syrups and extracts for making the same. Serial No. 377,688; June 16. Class 45.

Kobre & Harris, Baltimore, Md. Coats, pants, vests, etc. Serial No. 377,583; June 16. Class 39.

Kryston, Frank G., Brooklyn, N. Y. Prepared litmus paper. Serial No. 377,119; June 16. Class 6.

Kuznicki, Joseph A., doing business as J. A. Kaneski, Blandford, Mass. Fresh strawberries, blackberries, blueberries, apples, etc. Serial No. 369,161; June 16. Class 46.

Labrot & Graham Incorporated, Frankfort, Ky. Whiskey. Serial No. 378,365; June 16. Class 49.

Laucks, I. F., Inc., Seattle, Wash. Synthetic resins. Serial No. 376,051; June 16. Class 6.

Lebanon Knitting Mills, Inc., Lebanon, Pa. Knitted underwear, coats, hats, and caps, etc. Serial No. 377,515; June 16. Class 39.

Levey, Harry, New York, N. Y. Board game. Serial No. 376,478; June 16. Class 22.

Lilly of France Corset Company, Inc., New York, N. Y. Corsets. Serial No. 377,362; June 16. Class 39.

Lorczak, Stephen A., doing business as Wisla Remedy Company, Newark, N. J. Herb tea, and liniment for external use. Serial No. 371,563; June 16. Class 6.

Lucas, Joseph S., doing business as Medical Products Co., New Orleans, La. Preparation for use in head colds and irritations of the throat. Serial No. 376,683; June 16. Class 6.

Macy, R. H., & Co., Inc., New York, N. Y. Spats for women's wear. Serial No. 377,363; June 16. Class 39.

Maltovim Company, New York, N. Y. Powdered malted milk food preparation. Serial No. 377,188; June 16. Class 46.

Manhakian, Manuel, Boston, Mass. Boots, shoes, and slippers. Serial No. 376,855; June 16. Class 39.

Marrison & Catherall Ltd., Sheffield, England. Magnet steel. Serial No. 374,738; June 16. Class 14.

Marshall Canning Company. (See Western Grocer Company.)

McElroy, F. T., doing business as F. T. McElroy Company, Phoenix, Ariz. Fresh vegetables. Serial No. 376,480; June 16. Class 46.

Medical Products Co. (See Lucas, Joseph S.)

Medipac Products Limited, Ipswich, England. Medicated preparation for human use. Serial No. 375,712; June 16. Class 6.

Melchers', P., Distilleries, Schiedam, Netherlands. Gins. Serial No. 377,799; June 16. Class 49.

Meyer Brothers, Paterson, N. J. Infants', children's, and misses' shoes, boots, and slippers. Serial No. 375,218; June 16. Class 39.

Meyer, Charles, doing business as Sovereign Products Company, Chicago, Ill. Toilet preparations. Serial No. 376,597; June 16. Class 6.

Miller, William H., Washington, D. C. Composition flooring material. Serial No. 377,161; June 16. Class 12.

Naamlooze Vennootschap Ramie Union, Enschede, Netherlands. Record blanks. Serial No. 371,106; June 16. Class 36.

Nation Wide Papers, Inc., Chicago, Ill. Writing paper, printing paper, text paper, etc. Serial No. 375,595; June 16. Class 37.

National Scientific Publications, Inc. (See Runes, Dagobert D.)

Natural Slate Products Company, Palm Beach, Fla. Building blocks and tile. Serial No. 377,702; June 16. Class 12.

Neiman, Jack, doing business as Better Made Packing Company, Los Angeles, Calif. Canned vegetables. Serial No. 377,703; June 16. Class 46.

Northam Warren Corporation, New York, N. Y. Manicure sets. Serial No. 376,639; June 16. Class 44.

Novel Dress Manufacturing Company, Inc., New York, N. Y. Dresses, frocks, gowns, etc. Serial No. 376,689; June 16. Class 39.

Nugent, Wm. W., & Co., Inc., Chicago, Ill. Machinery oiling systems and oil filters therefor. Serial No. 370,165; June 16. Class 23.

Nu Lac Yeaston Company, The, Jefferson, Iowa. Medicated foods for cattle and poultry. Serial No. 377,089; June 16. Class 46.

Oil Well Supply Company, Dallas, Tex. Working barrels for deep well pumps. Serial No. 377,643; June 16. Class 23.

Owl Oil Supply Co. Inc., Union City, N. J. Petroleum products. Serial No. 376,488; June 16. Class 15.

Paper Novelty Manufacturing Company, New York, N. Y. Cellulose film strips for Christmas tree decoration. Serial No. 375,556; June 16. Class 50.

Paragon Oil Company, Inc., Brooklyn, N. Y. Lubricating oil. Serial No. 377,416; June 16. Class 15.

Parallex Binding Company. (See Hanna, Atto N.)

Park, Dr. G. W., Inc., Tyler, Tex. Laxative. Serial No. 374,631; June 16. Class 6.

Pelican Lake Oyster & Packing Co. Ltd., Houma, La. Canned and glass packed shrimp, canned oysters, and canned vegetables. Serial No. 376,731; June 16. Class 46.

Perrier, Jean Gabriel, Paris, France. Clothing. Serial No. 370,429; June 16. Class 39.

Pfeiffer, S., Manufacturing Company, St. Louis, Mo. Hair and scalp stimulator preparation, after shaving balm, and shampoo. Serial No. 377,417; June 16. Class 6.

Pharma-Clinical Laboratories. (See Weiner, Louis I.)

Photo Marketing Corporation, New York, N. Y. Cameras and parts thereof. Serial No. 376,063; June 16. Class 26.

Pied Piper Shoe Co., Wausau, Wis. Juvenile leather shoes. Serial No. 377,595; June 16. Class 39.

Pinkham Holdings Co., Los Angeles, Calif. Fresh grapes. Serial No. 376,640; June 16. Class 46.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Liquid and paste paints, paint primers, paint enamels, etc. Serial No. 372,485; June 16. Class 16.

Polefsky, Jacob S., doing business as Continental Pure Products Co., Jersey City, N. J. Whiskeys, brandies, gins, etc. Serial Nos. 378,228–31; June 16. Class 49.

Popper Morson Co. Inc., Jersey City, N. J. Whiskey and gin. Serial No. 378,415; June 16. Class 49.

Premier Bed & Spring Company, San Francisco, Calif. Bed springs, box springs, and inner spring mattresses. Serial No. 376,403; June 16. Class 32.

Premier Food Products Co., Chicago, Ill. Decorating jelly for cakes and pastry. Serial No. 373,428; June 16. Class 46.

Pringle, Howard A., doing business as Technequipment Company, Canton, Mass. Oxygen tents. Serial No. 376,733; June 16. Class 44.

Public Ledger, Inc., Philadelphia, Pa. Cartoon feature. Serial No. 376,224; June 16. Class 38.

Quigley Company, Inc., New York, N. Y. Refractory mortar. Serial No. 375,665; June 16. Class 12.

Rath Packing Company, The, Waterloo, Iowa. Canned ox tongue and beef stew. Serial No. 356,371; June 16. Class 46.

Real Silk Hosiery Mills, Inc., Indianapolis, Ind. Hosiery. Serial No. 374,059; June 16. Class 39.

Republication National Committee, Washington, D. C. Magazine. Serial No. 375,725; June 16. Class 38.

Retardol Laboratories. (See Wellington, G. J.)

Reynolds Corporation, New York, N. Y. Building paper, laminations of metallic foil and paper, a plaster ground or base, etc. Serial No. 376,922; June 16. Class 12.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Rhode, Chester, Limited, Manchester, England. Dresses, gowns, frocks, etc. Serial No. 374,284; June 16. Class 39.

Rice Growers Association of California, Sacramento, Calif. Rice. Serial No. 374,686; June 16. Class 46.

Rice-Stix Dry Goods Co., St. Louis, Mo. Men's and boys' hats and caps. Serial No. 376,494; June 16. Class 39.

Rittan Knitting Mills, Inc., Hoboken, N. J. Knit wear. Serial No. 373,229; June 16. Class 39.

Riverside Underwear Co., New York, N. Y. Shirts and blouses. Serial No. 377,233; June 16. Class 39.

Rockwell-Barnes Company, Chicago, Ill. Notebooks and blank books. Serial No. 364,197; June 16. Class 37.

Rogers Peet Company, New York, N. Y. Hats. Serial No. 377,604; June 16. Class 39.

Rosenthal, Ben A., doing business as Rosenthal Distributing Company, Homestead, Fla. Fresh vegetables such as tomatoes. Serial No. 376,923; June 16. Class 46.

Rothschild, David, Company, Columbus, Ga. Fabrics in the piece. Serial No. 377,421; June 16. Class 42.

Rothstein, Robt. J., doing business as Rothstein Dental Laboratories, Washington, D. C. Dental material. Serial No. 375,956; June 16. Class 44.

Rudo, B. H., & Bro., Baltimore, Md. Canned fruits, canned vegetables, cocoa, etc. Serial No. 370,228; June 16. Class 46.

Runes, Dagobert D., doing business as National Scientific Publications, Inc., New York, N. Y. Periodical. Serial No. 376,959; June 16. Class 38.

St. Croix Sugar Cane Industries Sales Corporation, Portland, Oreg., and Chicago, Ill. St. Croix rum. Serial No. 378,456; June 16. Class 49.

Saloomey, Thomas K., doing business as Tombilt Products Company, Bridgeport, Conn. Breakfast cereal. Serial No. 376,736; June 16. Class 46.

Screen and Stage Make-Up by Elizabeth Arden, Ltd. (See De Long Laboratories, Inc.)

See's Candy Shops, Incorporated, Los Angeles, Calif. Candy. Serial Nos. 373,805–6; June 16. Class 46.

Siegel Bros. Kiki Maid Coats Inc., New York, N. Y. Woolen piece goods. Serial No. 377,173; June 16. Class 42.

Silver-Pom Dress Corp., New York, N. Y. Silk and rayon goods. Serial No. 374,256; June 16. Class 42.

Sky Flyer Mfg. Co., Summit, N. J. Airplane kite. Serial No. 376,451; June 16. Class 22.

Smith, Landon P., Inc., Irvington, N. J. Resilient handabrading tools. Serial Nos. 375,905–10; June 16. Class 23.

Smith, Landon P., Inc., Irvington, N. J. Resilient handabrading tools. Serial No. 375,912; June 16. Class 23.

Social Justice Publishing Company, Royal Oak, Mich. Newspapers. Serial No. 377,606; June 16. Class 38.

Société Anonyme Rodier, Paris, France. Piece goods, tulles, nets, etc. Serial No. 378,059; June 16. Class 42.

Sovereign Products Company. (See Meyer, Charles.)

Standard Laboratories, Inc., Boston, Mass. Medicine. Serial No. 376,145; June 16. Class 6.

Stelwagon Manufacturing Company, Philadelphia, Pa. Building papers, roofing felts, asphalt shingles, etc. Serial No. 375,961; June 16. Class 12.

Stiles, Insley J., doing business as Stiles Style Shops, Inc., assignor to Stiles Style Shops, Incorporated, Denver, Colo. Women's suits, dresses, blouses, etc. Serial No. 370,907; June 16. Class 39.

Stim-U-Dents, Inc., Detroit, Mich. Tooth space cleansers and gum stimulators. Serial No. 366,381; June 16. Class 44.

Sullivan, P., Shoe Company, The, Cincinnati, Ohio. Shoes. Serial No. 375,108; June 16. Class 39.

Sunny Hills Ranch, Inc., doing business as Sunny Hills Citrus Assn., Fullerton, Calif. Fresh citrus fruit. Serial No. 376,308; June 16. Class 46.

Sunny Hills Ranch, Inc., doing business as Sunny Hills Citrus Assn., Fullerton, Calif. Fresh citrus fruit. Serial Nos. 377,753–4; June 16. Class 46.

Superior Type Company, The, Chicago, Ill. Marking device inks. Serial No. 377,864; June 16. Class 11.

Szczepkowski, Miroslaw, doing business as The Carpathian Import Herbs Co., Chicago, Ill. Medicine for colds, rheumatic, and muscular pains. Serial No. 374,253; June 16. Class 6.

Taywal Corporation, Chattanooga, Tenn. Flux for preparing metal for further finishes. Serial No. 373,844; June 16. Class 6.

Technequipment Company. (See Pringle, Howard A.)

Thompson-Hayward Chemical Company, Kansas City, Mo. Agricultural-horticultural spray. Serial No. 376,503; June 16. Class 6.

Tombilt Products Company. (See Saloomey, Thomas K.)

Tootal Broadhurst Lee Company Limited, Manchester, England. Piece goods. Serial No. 375,819; June 16. Class 42.

Tootal Broadhurst Lee Company Limited, Manchester, England. Artificial silk piece goods. Serial No. 376,782; June 16. Class 42.

Treat Orchard Co., Esom Hill, Ga. Fresh fruits and vegetables. Serial No. 368,275; June 16. Class 46.

Trimount Clothing Co. Inc., Boston, Mass. Men's and young men's overcoats, topcoats, suits, etc. Serial No. 377,084; June 16. Class 39.

Trimount Clothing Co. Inc., Boston, Mass. Men's and young men's overcoats, topcoats, suits, etc. Serial No. 377,087; June 16. Class 39.

Twentieth Century-Fox Film Corporation, Los Angeles, Calif. Motion picture camera carriages. Serial No. 374,695; June 16. Class 26.

U. S. Manufacturing Corporation, Decatur, Ill. Fly ribbons. Serial Nos. 375,030–1; June 16. Class 50.

United Metal Box Co., Inc., Brooklyn, N. Y. Venetian blinds, shoe shining cabinets, and framed mirrors. Serial No. 369,634; June 16. Class 32.

United States Rubber Products, Inc., New York, N. Y. Rubber bathing caps and bathing suits. Serial No. 366,446; June 16. Class 39.

United States Rubber Products, Inc., New York, N. Y. Golf balls. Serial No. 377,065; June 16. Class 22.

United States Shoe Corporation, The, Cincinnati, Ohio. Shoes. Serial No. 370,684; June 16. Class 39.

Universal Cooler Corporation, Detroit, Mich. Electrical refrigerators, and cooling units therefor. Serial No. 376,821; June 16. Class 31.

Vadsco Sales Corporation, Long Island City, N. Y. Astringents, astringent cerates, bleach creams, etc. Serial No. 373,580; June 16. Class 6.

Van Molen, Inc., Philadelphia, Pa. Tablets used in relieving sour stomach, heartburn, and indigestion. Serial No. 375,526; June 16. Class 6.

Varady, Armin, Incorporated, Chicago, Ill. Face powders, face creams, and face oils. Serial No. 374,696; June 16. Class 6.

Vereinigte Gummiwaren-Fabriken Wimpassing vormals Menier-J. N. Reithoffer, Vienna, Austria. Rubber combs. Serial No. 375,412; June 16. Class 40.

Waltsman & Son, Philadelphia, Pa. Suits, topcoats, overcoats. Serial No. 375,307; June 16. Class 39.

Wanamaker, John, New York, N. Y. Hosiery. Serial No. 377,612; June 16. Class 39.

Wanda Garment Company, Los Angeles, Calif. Lounging pajamas, sleeping pajamas, robes, etc. Serial No. 376,312; June 16. Class 39.

Washington Manufacturing Company, The, New York, N. Y. Men's and boys' coats, pants, outer coats, etc. Serial No. 375,568; June 16. Class 39.

Weiner, Louis I., doing business as Pharma-Clinical Laboratories, New York, N. Y. Medicinal preparation for relief of rose and hay fever. Serial No. 376,315; June 16. Class 6.

Wellington, G. J., doing business as Retardol Laboratories, Los Angeles, Calif. Medicinal and healing preparation. Serial No. 370,161; June 16. Class 6.

Western Grocer Company, doing business as Marshall Canning Company, Marshalltown, Iowa. Canned corn. Serial No. 377,331; June 16. Class 46.

Wheeler, Ruth S., doing business as The Children's House, Boston, Mass. Children's clothing. Serial No. 377,202; June 16. Class 39.

Wilbur-Ellis Company, San Francisco, Calif. Stock food. Serial No. 377,614; June 16. Class 46.

Wildroot Company, Inc., The, Buffalo, N. Y. Hair tonic, shampoo, hair dress, etc. Serial No. 376,972; June 16. Class 6.

Wilkins, John H., Company, Washington, D. C. Coffee and tea. Serial No. 367,980; June 16. Class 46.

Willhelm Lubrication Company, St. Paul, Minn. Canvas and rubber belts and belting and rubber tires. Serial No. 377,729; June 16. Class 35.

Willhelm Lubrication Company, St. Paul, Minn. Automobile and farm light plant batteries. Serial No. 377,730; June 16. Class 21.

Winkler, Kaspar, & Co., Zurich-Alstetten, Switzerland. Plastic materials. Serial No. 367,862; June 16. Class 12.

Wisla Remedy Company. (See Lorczak, Stephen A.)

Wonderene Company. (See Huber, William E.)

Youngs Rubber Corporation, Inc., New York, N. Y. Prophylactic rubber articles. Serial No. 377,251; June 16. Class 44.

LIST OF REGISTRANTS OF TRADE-MARKS

A C Spark Plug Company, Flint, Mich. Spark plugs and spark plug porcelains. 335,726–9; June 16; Serial Nos 374,996–9; published Apr. 7, 1936. Class 21.

Acme Health Laboratories, Inc., Battle Creek, Mich. Internal medicinal preparation. 335,850; June 16; Serial No. 374,224; published Mar. 31, 1936. Class 6.

Acton Company, The, Philadelphia, Pa. Emulsified cod liver oil for poultry and animal use. 335,759; June 16; Serial No. 375,070; published Apr. 7, 1936. Class 6.

Allied Battery Corporation, Dayton, Ohio. Storage batteries. 335,802; June 16; Serial No. 344,034; published Jan. 16, 1934. Class 21.

American Distilling Company, The, Pekin, Ill. Whiskey. 335,724; June 16; Serial No. 366,792; published Sept. 3, 1935. Class 49.

American Hard Rubber Company, Hempstead and New York, N. Y. Hard rubber combs. 335,849; June 16; Serial No. 374,225; published Mar. 31, 1936. Class 40.

American Oil Company, The, Baltimore, Md. Naphtha. 335,766; June 16; Serial No. 373,586; published Mar. 31, 1936. Class 15.

Angelo Brothers Limited, Calcutta, India. Shellacs and lacs. 335,891; June 16; Serial No. 368,733; published Apr. 7, 1936. Class 16.

Angelo Brothers Limited, Calcutta, India. Shellacs and lacs. 335,892; June 16; Serial No. 368,731; published Apr. 7, 1936. Class 16.

Anogen, Inc., New York, N. Y. Medicinal preparation. 335,769; June 16; Serial No. 373,551; published Apr. 7, 1936. Class 6.

Apex Color Works, Inc., New York, N. Y. Paints, paint enamels, colors in oils, etc. 335,943; June 16; Serial No. 374,450; published Apr. 7, 1936. Class 16.

Apple Growers Association. (See Hood River Growers' Union.)

Arden, Elizabeth, Inc., New York, N. Y. Lipsticks. 335,942; June 16; Serial No. 374,451; published Mar. 31, 1936. Class 6.

Arechabala, José, S. A., Cardenas, Cuba. Ethyl alcohol, rums, brandies, etc. 335,867; June 16; Serial No. 359,195; published Apr. 7, 1936. Class 49.

Arechabala, José, S. A., Cardenas, Cuba. Ethyl alcohol, rums, brandies, etc. 335,868; June 16; Serial No. 359,193; published Apr. 7, 1936. Class 49.

Arechabala, José, S. A., Cardenas, Cuba. Rums, brandies, and whiskies. 335,919; June 16; Serial No. 362,285; published Apr. 7, 1936. Class 49.

Art Frocks, Inc., New York, N. Y. Dresses, frocks, cloaks, etc. 335,784; June 16; Serial No. 374,546; published Apr. 7, 1936. Class 39.

Atkins & Durbrow, Inc., New York, N. Y. Peat moss. 335,763; June 16; Serial No. 373,632; published Mar. 17, 1936. Class 1.

Atlantic Refining Company, The, Philadelphia, Pa. Turpentine substitute. 111,873; renewed Aug. 8, 1936.

Atlantic Refining Company, The, Philadelphia, Pa. Rust-preventive, kerosene-oil, paraffine-wax, and candles. 111,874; renewed Aug. 8, 1936.

Atlantic Register Company, Waltham, Mass. Manifolding devices. 335,807–9; June 16; Serial Nos. 372,269–71; published Apr. 7, 1936. Class 37.

Ault & Wiborg Corporation, Cincinnati, Ohio. Lacquer emulsion. 335,836; June 16; Serial No. 375,314; published Apr. 7, 1936. Class 16.

Aunt Nell's Indian Medicine Co., Cincinnati, Ohio. Medicine for strengthening the blood and having incidental laxative properties. 335,814; June 16; Serial No. 371,196; published Apr. 7, 1936. Class 6.

Baylis, Walter S., Huntington Park, Calif. Activated earth. 335,768; June 16; Serial No. 373,552; published Apr. 7, 1936. Class 1.

Ben-Burk, Inc., Boston, Mass. Dry gin, sloe gin, orange gin, etc. 335,875; June 16; Serial No. 372,455; published Apr. 7, 1936. Class 49.

Berson, Joseph A., doing business as Springdale Distilling Company, Stamford, Conn. Whiskey. 335,782; June 16; Serial No. 374,510; published Apr. 7, 1936. Class 49.

Biddle Purchasing Co., New York, N. Y. Matches. 335,918; June 16; Serial No. 361,796; published Apr. 7, 1936. Class 9.

Bielsoff, D. J., Products Company, Chicago, Ill. Gin. 335,841; June 16; Serial No. 374,321; published Apr. 7, 1936. Class 49.

Blanchard Lumber Company, Boston, Mass. Lumber, shingles, laths, etc. 335,860; June 16; Serial No. 345,583; published Mar. 31, 1936. Class 12.

Blazon Coal Company, Blazon, Wyo., and Salt Lake City, Utah. Coal. 335,781; June 16; Serial No. 353,377; published Apr. 7, 1936. Class 1.

Blue Valley Creamery Company, Chicago, Ill. Cheese, buttermilk, eggs, etc. 335,870; June 16; Serial No. 372,761; published Apr. 7, 1936. Class 46.

Bockli, Edward, Boston, Mass. Combined glove and sleeve or arm cover or protector. 335,893; June 16; Serial No. 368,554; published Mar. 31, 1936. Class 39.

Böhme Fettchemie-Gesellschaft mit beschrankter Haftung, Chemnitz, Germany. Perfumes and cosmetics. 335,894; June 16; Serial No. 368,320; published Apr. 7, 1936. Class 6.

Bradner Smith & Company, Chicago, Ill. Coated and uncoated book papers. 335,924; June 16; Serial No. 364,754; published Apr. 7, 1936. Class 37.

Brandt Cashier Company, Chicago, Ill., assignor to Brandt Automatic Cashier Company, Watertown, Wis. Mechanical change-maker. 110,014; renewed May 2, 1936.

Brazy Liquor Co., Milwaukee, Wis. Whiskey. 335,917, June 16; Serial No. 372,347; published Apr. 7, 1936. Class 49.

Brigadell, James C., assignor to Camphorole Inc., Atlantic City, N. J. Ointment. 109,931; renewed Apr. 25, 1936.

Bucklen-Bear Laboratory, Elkhart, Ind. Gravity operated switches using mercury as a contactor. 335,831; June 16; Serial No. 373,197; published Apr. 7, 1936. Class 21.

Burnham & Morrill Company. (See Marsh, Geo. A., Company, assignor.)

Burnham & Morrill Company, Portland, Maine. Canned vegetables and baked beans. 335,819; June 16; Serial No. 373,407; published Apr. 7, 1936. Class 46.

Bush, W. J., & Co. Inc., New York, N. Y. Deodorizers and odorants for various rubber products. 335,866; June 16; Serial No. 359,536; published Apr. 7, 1936. Class 6.

Calcium Carbonate Company, Chicago, Ill. Poultry grit. 335,827; June 16; Serial No. 373,247; published Apr. 7, 1936. Class 1.

Calco Chemical Company, Inc., The, Bound Brook, N. J. Mechanical mixture of magnesium phenobarbital plus phenacetin. 335,843; June 16; Serial No. 374,283; published Mar. 31, 1936. Class 6.

Caldwell, William E., doing business as Caldwell Mobilhome, Hillsboro, Ohio. House trailer special constructed motor-powdered lead vehicles and similar powered conveyances. 335,774; June 16; Serial No. 373,485; published Apr. 7, 1936. Class 19.

Calef, Merlin T., assignor to Philadelphia Quartz Company, Philadelphia, Pa. Material used in building roads. 107,960; renewed Jan. 4, 1936.

California Wine Association, The, San Francisco, assignor to Fruit Industries, Ltd., Los Angeles, Calif. Wine. 108,980; renewed Mar. 14, 1936.

Campbell, Frances, doing business as Frances Campbell Mfg. Co., San Antonio, Tex. Malaria prescription. 335,930; June 16; Serial No. 374,399; published Apr. 7, 1936. Class 6.

Camphorole Inc. (See Brigadell, James C., assignor.)

Celanese Corporation of America, New York, N. Y. Piece goods of cellulose derivatives. 335,744–5; June 16; Serial Nos. 374,816–17; published Apr. 7, 1936. Class 42.

Central Laboratories, Inc., St. Petersburg, Fla. Preparation for the treatment of sunburn, insect bites, etc. 335,722; June 16; Serial No. 367,891; published Mar. 31, 1936. Class 6.

Chapman, A. D., and Company, New Orleans, La. Chemical preparation. 335,767; June 16; Serial No. 373,559; published Apr. 7, 1936. Class 6.

Charles of the Ritz, Inc., New York, N. Y. Skin cream. 335,904; June 16; Serial No. 373,996; published Apr. 7, 1936. Class 6.

Chelsea Products. (See Greene, James V.)

Claff, M. B., & Sons, Inc., Randolph, Mass. Cartons for shoes. 335,825; June 16; Serial No. 375,319; published Apr. 7, 1936. Class 2.

Clark-Smith Hdw. Co., assignor to Isaac Walker Hardware Company, Peoria, Ill. Cutlery and tools and parts thereof. 110,016; renewed May 2, 1936.

Clopay Corporation, Cincinnati, Ohio. Window shades. 335,952; June 16; Serial No. 374,403; published Apr. 7, 1936. Class 32.

Cohen, Benjamin, New York, N. Y. Nurses' and maids' uniforms, caps, capes, etc. 335,906; June 16; Serial No. 373,951; published Mar. 31, 1936. Class 39.

Cohen, Joseph S., & Sons Co. Inc., New York, N. Y. Frocks and dresses. 335,859; June 16; Serial No. 361,508; published Apr. 7, 1936. Class 39.

Cohen, Joseph S., & Sons Co. Inc., New York, N. Y. Frocks and dresses. 335,861; June 16; Serial No. 361,507; published Apr. 7, 1936. Class 39.

Cohorn, Estill, doing business as Cohorn's Salve Co., Fort Thomas, Ky. Salve. 335,864; June 16; Serial No. 360,215; published Apr. 7, 1936. Class 6.

Commonwealth Laboratories. (See Mead, Harry J.)

Con-Ferro Paint and Varnish Company, The, St. Louis, Mo. Paints and japan driers. 335,794; June 16; Serial No. 374,616; published Apr. 7, 1936. Class 16.

Container Service Company, Reading, Pa. Corrugated shipping containers. 335,834; June 16; Serial No. 375,322; published Apr. 7, 1936. Class 2.

Continental Gummi-Werke Aktiengeeellschaft, Hannover, Germany. Combs and hair ornaments. 335,824; June 16; Serial No. 373,363; published Mar. 31, 1936. Class 40.

Cooper, Wells & Company, St. Joseph, Mich. Hosiery. 335,941; June 16; Serial No. 374,456; published Mar. 31, 1936. Class 39.

Cortina, R. D., Co., Inc., New York, N. Y. Talking machines and phonographs. 111,119; renewed June 27, 1936.

Cortina, R. D., Co., Inc., New York, N. Y. Disk records for instruction in languages. 111,194; renewed July 4, 1936.

Crowell Publishing Company, The, New York, N. Y. Publication. 335,804; June 16; Serial No. 372,312; published Mar. 31, 1936. Class 38.

Crowell Publishing Company, The, New York, N. Y. Series of books. 335,960–1; June 16. Class 38.

Crown Barber Supply Co. (See Cuddy, Edward B.)

Cuddy, Edward B., doing business as Crown Barber Supply Co., New York, N. Y. Hair tonic. 335,805; June 16; Serial No. 372,301; published Apr. 7, 1936. Class 6.

Darling & Company, Chicago, Ill. Prepared stock and poultry foods. 113,025; renewed Oct. 10, 1936.

Davis & Geck, Inc., assignor to Davis & Geck, Inc., Brooklyn, N. Y. Surgical ligatures and sutures. 110,570; renewed May 30, 1936.

Deb-e Laboratories. (See Genua, Albert.)

De Pree Chemical Company, The, Holland, Mich., and Chicago, Ill., by change of name to The De Pree Company, Holland, Mich. Hot-water bottles, fountain-syringes, and combination-syringes. 110,455; renewed May 23, 1936.

Dietzgen, Eugene, Co., to Eugene Dietzgen Co., Chicago, Ill., successor. Profile-paper and cross-section paper. 108,992; renewed Mar. 14. 1936.

Drambuie Liqueur Company (1927) Limited, The, Edinburgh, Scotland. Scotch liqueur whisky. 335,823; June 16; Serial No. 373,369; published Apr. 7, 1936. Class 49.

Duratone, Inc., Cincinnati, Ohio. Starch softener or sizing. 335,972; June 16. Class 6.

Eager, William T., doing business as Eager Medicine Company, Lebanon, Ky. Vermifuge capsules. 335,962; June 16. Class 6.

Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens. (See Mülhens, Paul P.)

Edlich, Adolph A., doing business as The Edlich Laboratory, New York, N. Y. Rectal suppositories. 335,889; June 16; Serial No. 369,269; published Apr. 7, 1936. Class 6.

Eudowe, Harry M., doing business as Eudowe Laboratories, New Haven, Conn. Preparation for the treatment of hyperacidity, peptic ulcer, etc. 335,916; June 16; Serial No. 373,724; published Mar. 31, 1936. Class 6.

Excelsior Shoes Inc., Portsmouth, Ohio. Women's shoes. 335,883; June 16; Serial No. 369,694; published Mar. 31, 1936. Class 39.

Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Lead pencils. 335,733; June 16; Serial No. 374,965; published Apr. 7, 1936. Class 37.

Fashion Hosiery Mills, Inc., Boyertown, Pa. Hosiery 335,746; June 16; Serial No. 374,822; published Apr. 7, 1936. Class 39.

Fez America, Inc., New York, N. Y. Berets. 335,905; June 16; Serial No. 373,959; published Mar. 31, 1936. Class 39.

Findex Systems Incorporated. (See Robinson, Leo S., assignor.)

Finker, Irving, Inc., New York, N. Y. Ladies' coats and suits. 335,810; June 16; Serial No. 372,204; published Mar. 31, 1936. Class 39.

Flood, John W., doing business as J. W. Flood & Co., Louisville, Ky. Whiskey. 335,825; June 16; Serial No. 373,324; published Apr. 7, 1936. Class 49.

Food Products Co. of America, Chicago, Ill. Cocoa. 335,862; June 16; Serial No. 360,435; published Apr. 7, 1936. Class 46.

Frankenmuth Brewing Company, Frankenmuth, Mich. Malt beverages. 335,974; June 16. Class 48.

Freedom Oil Works Company, The, Freedom, Pa. Lubricating oils. 335,856; June 16; Serial No. 374,186; published Mar. 31, 1936. Class 15.

Fritz, Alexander R., Inc., Providence, R. I. Whiskey and gin. 335,765; June 16; Serial No. 373,605; published Apr. 7, 1936. Class 49.

Fruit Industries, Ltd. (See California Wine Association, The, assignor.)

Fuerstnow, H. F., doing business as Peerless Drug Co., Peerless, Mont. Medicinal preparation. 335,908; June 16; Serial No. 373,915; published Mar. 31, 1936. Class 6.

Fyr-Fyter Company, The. (See Iddings, Roscoe C., assignor.)

General Felt Products, Inc., New York and Brooklyn, N. Y. Waterproof and element proof textiles. 335,830; June 16; Serial No. 373,209; published Apr. 7, 1936. Class 50.

General Tire & Rubber Company, The, Akron, Ohio. Toy wagons. 335,921; June 16; Serial No. 362,416; published Apr. 7, 1936. Class 22.

Genua, Albert, doing business as Deb-e Laboratories, Waterbury, Conn. Nail polish and nail polish remover. 335,757; June 16; Serial No. 375,045; published Apr. 7, 1936. Class 6.

Gerotor May Company, Baltimore, Md. Fluid pumps and compressors. 335,976; June 16. Class 23.

Gibson & Lumgair, Ltd., Selkirk, Scotland. Woollen and worsted piece goods. 335,855; June 16; Serial No. 374,187; published Apr. 7, 1936. Class 42.

Glenmore Distilleries Company, Louisville and Owensboro, Ky. Whiskey. 335,882; June 16; Serial No. 369,696; published Dec. 10, 1935. Class 49.

Glitter Products, Inc., Detroit, Mich. Polishing material. 335,785; June 16; Serial No. 374,558; published Apr. 7, 1936. Class 16.

Globe Roofing Products Co. Inc., Chicago, Ill. Asphalt composition roofing and building papers. 335,789–90; June 16; Serial Nos. 374,584–5; published Mar. 31, 1936. Class 12.

Globe Tailoring Company, The, Cincinnati, Ohio. Overcoats, coats, pants, etc. 335,907; June 16; Serial No. 373,917; published Apr. 7, 1936. Class 39.

Gluck, Lew L., Inc., New York, N. Y. Dresses. 335,840; June 16; Serial No. 374,328; published Apr. 7, 1936. Class 39.

Gold Medal Haarlem Oil Corp., Brooklyn, N. Y. Medicinal preparation. 335,723; June 16; Serial No. 367,240; published Mar. 31, 1936. Class 6.

González, Justo, y Cia., S. A., Habana, Cuba. Rum. 335,874; June 16; Serial No. 372,475; published Apr. 7, 1936. Class 49.

Gooderham & Worts Limited, Detroit, Mich. Whiskey. 335,815; June 16; Serial No. 370,800; published Dec. 31, 1935. Class 49.

Greene, James V., doing business as Chelsea Products, New York, N. Y. Trays. 335,967; June 16. Class 2.

Gysi, Alfred, Zurich, Switzerland. Dental supplies. 335,829; June 16; Serial No. 373,215; published Apr. 7, 1936. Class 44.

Hahlo & Solomon Inc., New York, N. Y. Men's suits, overcoats, and topcoats, etc. 335,734; June 16; Serial No. 374,969; published Apr. 7, 1936. Class 39.

Hanes Hosiery Mills Company, Winston-Salem, N. C. Hosiery. 335,839; June 16; Serial No. 374,330; published Mar. 31, 1936. Class 39.

Hanes Hosiery Mills Company, Winston-Salem, N. C. Hosiery. 335,926; June 16; Serial No. 374,331; published Mar. 31, 1936. Class 39.

Hart, Schaffner & Marx, Chicago, Ill. Suits, coats, overcoats, etc. 335,820–2; June 16; Serial Nos. 373,377–9; published Mar. 31, 1936. Class 39.

Harvey, G. F., Company, The, Saratoga Springs, N. Y. Pharmaceutical preparation. 335,954; June 16. Class 6.

Hat Corporation of America, Norwalk, Conn. Hats for men. 335,791; June 16; Serial No. 374,591; published Mar. 31, 1936. Class 39.

Hat Corporation of America, Norwalk, Conn. Hats for men. 335,931; June 16; Serial No. 374,366; published Mar. 31, 1936. Class 39.

Hawkins, Luty, doing business as Hawkins Million Dollar Hen, Mount Vernon, Ill. Electrically heated brooders and parts thereof. 335,927; June 16; Serial No. 374,333; published Apr. 7, 1936. Class 50.

Hecker-H-O Company, Inc., Buffalo, N. Y. Cereal food products. 335,771; June 16; Serial No. 373,528; published Apr. 7, 1936. Class 46.

Heitkin Fur Co., Inc., New York, N. Y. Fur coats. 335,975; June 16. Class 39.

Hickok Manufacturing Company, Inc., Rochester, N. Y. Suspenders or braces. 335,838; June 16; Serial No. 373,415; published Mar. 31, 1936. Class 39.

Hoffman Dryer Co., Ltd., New York, N. Y. Electric hair drying apparatus, hoods, and parts therefor. 335,957; June 16. Class 44.

Hoffman, Elbert, Philadelphia, Pa. Pharmaceutical preparation. 335,837; June 16; Serial No. 373,416; published Apr. 7, 1936. Class 6.

Holloway, L. E., doing business as L. E. Holloway & Co., Leesburg, Fla. Fresh citrus fruits. 335,752; June 16; Serial No. 374,886; published Apr. 7, 1936. Class 46.

Hood River Apple Growers' Union, to Apple Growers Association, Hood River, Oreg., successor. Fresh apples. 90,992; renewed Apr. 8, 1933.

Houbigant, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 335,873; June 16; Serial No. 372,517; published Mar. 31, 1936. Class 6.

Howard, Nathaniel L., Chicago, Ill. Eggs, fresh vegetables, milk, etc. 335,878; June 16; Serial No. 369,987; published Apr. 7, 1936. Class 46.

Howard Radio Co., Chicago, Ill. Radio receiving sets. 335,955; June 16. Class 21.

Iddings, Roscoe C., assignor to The Fyr-Fyter Company, Dayton, Ohio. Fire-extinguishing apparatus. 111,826; renewed Aug. 8, 1936.

Industrial Research Laboratories, Ltd., San Francisco, Calif. Hard alloy metal. 335,877; June 16; Serial No. 368,258; published Nov. 19, 1935. Class 14.

International Lubricant Corporation, New Orleans and Southport, La. Greases. 335,770; June 16; Serial No. 373,529; published Mar. 24, 1936. Class 15.

International Printing Ink Corporation, The, New York, N. Y. Printing ink. 335,747; June 16; Serial No. 374,835; published Apr. 7, 1936. Class 11.

International Printing Ink Corporation, The, New York, N. Y. Printing inks. 335,826; June 16; Serial No. 373,303; published Apr. 7, 1936. Class 11.

Irvington Varnish & Insulator Company, Irvington, N. J. Moisture-proof interleaving fabric. 335,886; June 16; Serial No. 369,489; published Apr. 7, 1936. Class 50.

Jeffrey Manufacturing Company, The, Columbus, Ohio. Steel settling tanks, storage hoppers, and bins. 335,812; June 16; Serial No. 371,635; published Apr. 7, 1936. Class 2.

Johnston & Johnston, Inc., Pittsburgh, Pa. Photographs. 335,911; June 16; Serial No. 373,873; published Mar. 31, 1936. Class 38.

Jones, T. P., & Co., New York, N. Y. Coffee. 112,903; renewed Oct. 3, 1936.

Joseph & Feiss Company, The, Cleveland, Ohio. Coats, vests, overcoats, etc. 335,762; June 16; Serial No. 373,640; published Apr. 7, 1936. Class 39.

Josten Manufacturing Company, Owatonna, Minn. Finger rings and class pins. 335,912; June 16; Serial No. 373,830; published Mar. 31, 1936. Class 28.

K-G Welding and Cutting Company, Inc., New York, N. Y. Reducing valves for gases under pressure. 335,780; June 16; Serial No. 373,417; published Apr. 7, 1936. Class 15.

Kaiserslauterer Verbandstoff-Fabric Emil Bender G. m. b. H., Kaiserslautern, Germany. Surgical and orthopedic bandages. 335,966; June 16. Class 44.

Kaminetsky, Nathan, Passaic, N. J. Safety plaster and metal lath. 335,940; June 16; Serial No. 374,464; published Mar. 31, 1936. Class 12.

Kaminsky, I., & Sons, Inc., New York, N. Y. Coats and suits. 335,796; June 16; Serial No. 374,668; published Apr. 7, 1936. Class 39.

Kaylon, Inc., New York, N. Y. Ladies' pajamas. 335,848; June 16; Serial No. 374,242; published Apr. 7, 1936. Class 39.

Keen-Eye Company. (See Lund, Charles W.)

Kerner, Katie, to Shub Bros., Baltimore, Md., successor. Rye bread. 110,466; renewed May 23, 1936.

Keystone Adjustable Cap Corporation, Philadelphia, Pa. Caps. 335,869; June 16; Serial No. 372,974; published Mar. 31, 1936. Class 39.

King Features Syndicate, Inc. (See Newspaper Feature Service, Inc.)

Kirk, James S., & Co., Chicago, Ill., to The Procter & Gamble Company, Cincinnati, Ohio, successor. Laundry or family soap. 13,264; re-renewed May 4, 1936.

Kline Brothers Co., New York, N. Y. Suits, overcoats, topcoats, etc. 335,801; June 16; Serial No. 374,789; published Apr. 7, 1936. Class 39.

Koret, Inc., New York, N. Y. Ladies' purses, pocketbooks, and hand bags. 335,811; June 16; Serial No. 371,733; published Apr. 7, 1936. Class 3.

Kress, S. H., and Company, New York, N. Y. Files. 335,970; June 16. Class 23.

Lambertville Rubber Co., to Lambertville Rubber Company, Inc., Lambertville, N. J., successor. Rubber boots and shoes. 109,010; renewed Mar. 14, 1936.

Lander Co. Inc., The, doing business as Elizabeth Post, New York, N. Y. Lipsticks, rouge, hand lotions, etc. 335,953; June 16. Class 6.

Lavanshire Coat Co., Inc., New York, N. Y. Women's coats and suits. 335,900; June 16; Serial No. 374,069; published Mar. 31, 1936. Class 39.

Leeds, Herbert R., & Co. Inc., New York, N. Y. Woolen and mixtures of woolen piece goods. 335,797; June 16; Serial No. 374,672; published Apr. 7, 1936. Class 42.

Lentheric, Incorporated, New York, N. Y. Perfumes, eau de cologne, after-shave lotion, and talcum powder. 335,779; June 16; Serial No. 373,422; published Apr. 7, 1936. Class 6.

Lentheric, Incorporated, New York, N. Y. Perfumes. 335,895; June 16; Serial No. 368,260; published Apr. 7, 1936. Class 6.

Leocopoulos, George D., doing business as Royal Liniment Co., Chicopee Falls, Mass. Rubbing liniment or compound. 335,880; June 16; Serial No. 369,851; published Apr. 7, 1936. Class 6.

London House, Ltd., New York, N. Y. Soaps and cleansing preparations. 335,958; June 16. Class 4.

Ludford Fruit Products, Inc., Los Angeles, Calif. Maltless beverages. 335,753; June 16; Serial No. 374,889; published Apr. 7, 1936. Class 45.

Lund, Charles W., doing business as Keen-Eye Company, Willows, Calif. Medicinal preparation. 335,951; June 16; Serial No. 374,417; published Mar. 31, 1936. Class 6.

Lyon, A., Los Angeles, Calif. Whiskey. 335,950; June 16; Serial No. 374,418; published Apr. 7, 1936. Class 49.

Lyons, Henry L., Pompano, Fla. Fresh vegetables. 335,756; June 16; Serial No. 375,019; published Apr. 7, 1936. Class 46.

Lyons, Henry L., Pompano, Fla. Fresh vegetables. 335,939; June 16; Serial No. 374,468; published Apr. 7, 1936. Class 46.

Majestic Distilling Company, Inc., Baltimore, Md. Whiskey, gin, brandy, etc. 335,938; June 16; Serial No. 374,469; published Apr. 7, 1936. Class 49.

Manning, Bowman & Co. (See Vacuum Specialty Company, assignor.)

Marino, John B., New York, N. Y. Chemically impregnated polishing cloths. 335,964; June 16. Class 4.

Marsh, Geo. A., Company, assignor to Burnham & Morrill Company, Portland, Maine. Canned pork and beans. 335,787; June 16; Serial No. 374,575; published Apr. 7, 1936. Class 46.

McPhee, Angus B., doing business as Riggin Chemical Co., St. Louis, Mo. Automobile polish. 335,956; June 16. Class 16.

Mead, Harry J., doing business as Commonwealth Laboratories, Aurora, Ill. Preparations for the hair and scalp. 335,959; June 16. Class 6.

Mengel Company, The, Louisville, Ky. Wood veneer. 335,764; June 16; Serial No. 373,612; published Mar. 31, 1936. Class 12.

Midland Chemical Laboratories, Inc., Dubuque, Iowa. Germicide, disinfectant, antiseptic, etc. 335,947; June 16; Serial No. 374,427; published Mar. 31, 1936. Class 6.

Midland Chemical Laboratories, Inc., Dubuque, Iowa. Combined filler and surface finisher for gymnasium floors. 335,948; June 16; Serial No. 374,426; published Apr. 7, 1936. Class 16.

Midland Chemical Laboratories, Inc., Dubuque, Iowa. Food insecticide used in flour mills. 335,949; June 16; Serial No. 374,425; published Mar. 31, 1936. Class 6.

Milhening, J., Inc., Chicago, Ill. Jewelry. 113,280; renewed Oct. 10, 1936.

Milliman, Sidney I., New York, N. Y. Dress shaping boards. 335,897; June 16; Serial No. 374,151; published Apr. 7, 1936. Class 50.

Mission Laboratories. (See Sencerbox, Robert W.)

Morgan-Sabalol Products, Inc., New York, N. Y. Preparation for corn treatment, bunion lotion, hair wash, etc. 335,946; June 16; Serial No. 374,428; published Apr. 7, 1936. Class 6.

Mottsman, Harry, New York, N. Y. Whiskey. 335,732; June 16; Serial No. 374,977; published Apr. 7, 1936. Class 49.

Mülhens, Paul P., doing business as Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens, Cologne, Germany. Eau de cologne, lavender water, perfumes, etc. 335,777; June 16; Serial No. 373,459; published Apr. 7, 1936. Class 6.

Muscatine Metallic Vault Company, Muscatine, Iowa. Grave or burial vaults and caskets. 335,758; June 16; Serial No. 375,057; published Apr. 7, 1936. Class 2.

Myracol Chemical Company, West Haven, Conn. Medicinal preparation. 335,910; June 16; Serial No. 373,887; published Apr. 7, 1936. Class 6.

Neumode Hosiery Co., Kankakee and Chicago, Ill. Hosiery. 335,721; June 16; Serial No. 367,903; published Oct. 1, 1935. Class 39.

Newman, I., & Sons, Inc., New Haven, Conn., and New York, N. Y. Corsets. 335,783; June 16. Serial No. 374,529; published Mar. 31, 1936. Class 39.

Newspaper Feature Service, Inc., by merger to King Features Syndicate, Inc., New York, N. Y. Newspaper-section. 113,421; renewed Oct. 17, 1936.

Newton, Paul D., & Co. Inc., Newark, N. Y. Razor blades. 335,754; June 16; Serial No. 374,898; published Apr. 7, 1936. Class 23.

Old Collins Company, Inc., Distillers, New York, N. Y. Gin, whiskey, brandy, etc. 335,818; June 16; Serial No. 370,476; published Apr. 7, 1936. Class 49.

Oldetyme Distillers, Inc., New York, N. Y. Whiskey. 335,739; June 16; Serial No. 374,936; published Apr. 7, 1936. Class 49.

Oneida Ltd., Sherrill and Oneida, N. Y., and Northampton, Mass. Silver plated tableware and silver plated cutlery. 335,937; June 16; Serial No. 374,475; published Mar. 31, 1936. Class 28.

Osterweis, Lewis, & Sons, New Haven, Conn. Cigars. 335,748; June 16; Serial No. 374,845; published Apr. 7, 1936. Class 17.

Overton, Anthony, assignor to The Overton-Hygienic Mfg. Co., Chicago, Ill. Hair-tonics and pomades. 112,693; renewed Sept. 19, 1936.

Pacific Distillers, Inc., Los Angeles, Calif. Whiskey. 335,740; June 16; Serial No. 374,900; published Apr. 7, 1936. Class 49.

Pacific Distillers, Inc., Los Angeles, Calif. Grain alcohol. 335,755; June 16; Serial No. 374,899; published Apr. 7, 1936. Class 49.

Pacific Fruit & Produce Company, Seattle, Wash. Fruits and vegetables. 335,879; June 16; Serial No. 369,927; published Apr. 7, 1936. Class 46.

Palmer Company, The, St. Bernard, Ohio. Thermometers. 335,971; June 16. Class 26.

Paper Makers Chemical Corporation, Wilmington, Del. Chemical resistant paint. 335,760; June 16; Serial No. 375,267; published Apr. 7, 1936. Class 16.

Parfums Charbert, Inc., New York, N. Y. Perfumes, toilet waters, sachets, etc. 335,817; June 16; Serial No. 370,669; published Apr. 7, 1936. Class 6.

Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Board game. 335,833; June 16; Serial No. 375,461; published Apr. 7, 1936. Class 22.

Passaic Woolflex Manufacturing Company, Paterson, N. J. Riding breeches. 335,881; June 16; Serial No. 369,825; published Apr. 7, 1936. Class 39.

Peerless Drug Co. (See Fuerstnow, H. F.)

Pendergast, T. J., Wholesale Liquor Co., Kansas City, Mo. Whiskey, gin, rum, etc. 335,741; June 16; Serial No. 374,798; published Apr. 7, 1936. Class 49.

Pendergast, T. J., Wholesale Liquor Co., Kansas City, Mo. Whiskey, gin, rum, etc. 335,749; June 16; Serial No. 374,846; published Apr. 7, 1936. Class 49.

Pet Milk Company, St. Louis, Mo. Skim milk powder. 335,786; June 16; Serial No. 374,570; published Apr. 7, 1936. Class 46.

Pevehouse, Ralph O., Pomona, Calif. Brilliantine, hair oil, shaving lotion, etc. 335,813; June 16; Serial No. 371,405; published Apr. 7, 1936. Class 6.

Pevely Dairy Company, St. Louis, Mo. Evaporated milk. 335,750; June 16; Serial No. 374,847; published Apr. 7, 1936. Class 46.

Philadelphia Quartz Company. (See Calef, Merlin T., assignor.)

Pitman-Moore Company, Indianapolis, Ind. Therapeutic iodin compounds. 335,854; June 16; Serial No. 374,208; published Mar. 31, 1936. Class 6.

Plymouth Underwear Company, Boston, Mass. Pajamas, nightrobes, running pants, etc. 335,899; June 16; Serial No. 374,093; published Mar. 31, 1936. Class 39.

Pochapin, M. M., Inc., New York, N. Y. Toy musical instruments. 335,832; June 16; Serial No. 375,464; published Apr. 7, 1936. Class 22.

Popper-Morson Co. Inc., Jersey City, N. J. Cocktails. 335,887; June 16; Serial No. 369,417; published Oct. 29, 1935. Class 49.

Porter, H. K., Inc., Everett, Mass. Wood-cutting tool. 335,977; June 16. Class 23.

Post, Elizabeth. (See Lander Co. Inc., The.)

Previews Incorporated, New York, N. Y. Periodicals. 335,872; June 16; Serial No. 372,570; published Mar. 31, 1936. Class 38.

Priscilla Hosiery Mills, Inc., New York, N. Y. Hosiery. 335,742; June 16; Serial No. 374,800; published Apr. 7, 1936. Class 39.

Procter & Gamble & Company, The. (See Kirk, James S., & Co.)

Prytz, Sociedad Anonima, Alicante, Spain. Almonds. 335,803; June 16; Serial No. 372,335; published Apr. 7, 1936. Class 46.

Publicite Franco-Americaine, Paris, France. Preparation for the treatment of malnutrition, etc. 335,885; June 16; Serial No. 369,547; published Mar. 31, 1936. Class 6.

Putnam, Fred A., Boston, Mass., to Fred A. Putnam, Keene, N. H. Ink compounds. 113,138; renewed Oct. 10, 1936.

Quality Bakers of America Inc., New York, N. Y. Publication. 335,928; June 16; Serial No. 374,385; published Mar. 31, 1936. Class 38.

Radio-Song-O Co., Chicago, Ill. Table game. 335,743; June 16; Serial No. 374,801; published Apr. 7, 1936. Class 22.

Razalon Corporation, New York, N. Y. Medical preparation. 335,738; June 16; Serial No. 374,940; published Apr. 7, 1936. Class 6.

Records & Goldsborough, Incorporated, Baltimore, Md. Whiskey, gin, brandy, etc. 335,936; June 16; Serial No. 374,480; published Apr. 7, 1936. Class 49.

Reinfeld, Joseph H., Inc., Newark, N. J. Whiskey. 335,778; June 16; Serial No. 373,430; published Apr. 7, 1936. Class 49.

Retail Credit Company, Atlanta, Ga. Booklet. 335,896; June 16; Serial No. 344,946; published Mar. 31, 1936. Class 38.

Riggin Chemical Co. (See McPhee, Angus B.)

Robinson, James S., to Alice R. Robinson, doing business as James S. Robinson, Memphis, Tenn., successor. Prepared food for infants. 111,530; renewed July 25, 1936.

Robinson, Leo S., San Francisco, Calif., assignor to Findex Systems Incorporated, Milwaukee, Wis. Cabinet for business-records. 112,809; renewed Sept. 26, 1936.

Roullet & Co., Cognac, France. Cognac. 335,842; June 16; Serial No. 374,302; published Apr. 7, 1936. Class 49.

Royal Liniment Co. (See Leocopoulos, George D.)

Rubini Cigar Company, Inc., Chicago, Ill. Cigars. 335,902; June 16; Serial No. 374,061; published Apr. 7, 1936. Class 17.

Ruppert, Margaret, Philadelphia, Pa. Preparation for removing superfluous hair from the face and body. 110,106; renewed May 2, 1936.

Ryberg, Harry, Jr., San Francisco, Calif. Leather shoes. 335,725; June 16; Serial No. 366,299; published Mar. 31, 1936. Class 39.

Sächsisches Serumwerk, Aktiengesellschaft, Dresden, Germany. Preparation for the treatment of diseases or symptoms produced by removal or destruction of the gall bladder. 335,944; June 16; Serial No. 374,434; published Mar. 31, 1936. Class 6.

St. Louis Crystal Water & Soda Co., St. Louis, Mo. Whiskey. 335,871; June 16; Serial No. 372,689; published Apr. 7, 1936. Class 49.

Saks & Company, New York, N. Y. Ladies' handbags. 335,858; June 16; Serial No. 374,159; published Apr. 7, 1936. Class 3.

Schieffelin & Co., New York, N. Y. Whisky. 335,800; June 16; Serial No. 374,765; published Apr. 7, 1936. Class 49.

Scholl Mfg. Co., Inc., The, Chicago, Ill. Medicated corn, callous, and bunion pads. 335,973; June 16.

Schrank, M. C., Company, Bridgeton, N. J. Dresses, slips, petticoats, etc. 335,731; June 16; Serial No. 374,982; published Mar. 31, 1936. Class 39.

Schrank, M. C., Company, Bridgeton, N. J. Dresses and negligees. 335,945; June 16; Serial No. 374,436; published Apr. 7, 1936. Class 39.

Schuylkill Chemical Co., Philadelphia, Pa. Peroxide. 335,788; June 16; Serial No. 374,532; published Mar. 31, 1936. Class 6.

Schwabacher Bros. & Co., Inc., Seattle, Wash. Coffee. 110,149; renewed May 2, 1936.

Schwartz, Morris, Fur Corp., New York, N. Y. Fur skins and parts thereof. 335,792; June 16; Serial No. 374,598; published Apr. 7, 1936. Class 1.

Schwitzer-Cummins Company, Indianapolis, Ind. Air conditioning blower and filter unit. 335,914; June 16; Serial No. 373,803; published Apr. 7, 1936. Class 34.

Scripps Newspapers, Incorporated, The, Seattle, Wash. News dispatches. 335,978; June 16. Class 38.

Sears, Roebuck and Co., Chicago, Ill. Electric motors. 335,799; June 16; Serial No. 374,766; published Apr. 7, 1936. Class 21.

Segal Safety Razor Corporation, New York, N. Y. Razor blades. 335,730; June 16; Serial No. 374,984; published Apr. 7, 1936. Class 23.

Selby Shoe Co., The, Portsmouth, Ohio. Shoes. 335,929; June 16; Serial No. 374,588; published Mar. 31, 1936. Class 39.

Semler, R. B., Inc., New York, N. Y. Toilet preparations. 335,793; June 16; Serial No. 374,605; published Mar. 31, 1936. Class 6.

Sencerbox, Robert W., doing business as Mission Laboratories, Santa Barbara, Calif. Liquid preparation for application on the chest. 335,909; June 16; Serial No. 373,894; published Mar. 31, 1936. Class 6.

Sheldon, Albert J., doing business as Swagger Seat Company, Willsboro, N. Y. Combined walking sticks and seats. 335,888; June 16; Serial No. 369,377; published Mar. 17, 1936. Class 41.

Shenton, William A., doing business as W. A. Shenton & Co., Jersey City, N. J. Cold cream. 335,772; June 16; Serial No. 373,504; published Apr. 7, 1936. Class 6.

Shenton, William A., doing business as W. A. Shenton & Co., Jersey City, N. J. Dentifrice. 335,773; June 16; Serial No. 373,503; published Apr. 7, 1936. Class 6.

Shub Bros. (See Kerner, Katie.)

Société à Responsabilité Limitée Cointreau, Angers, France. Liqueurs. 335,806; June 16; Serial No. 372,289; published Apr. 7, 1936. Class 49.

Société à Responsabilité Limitée "Mainbocher", Paris, France. Clothes. 335,876; June 16; Serial No. 370,472; published Mar. 31, 1936. Class 39.

Soana Products, Inc., New York, N. Y. Permanent hair waving machines. 335,938; June 16. Class 44.

Southern Independent Oil and Refining Company, Inc., Evansville, Ind. Gasoline, lubricating oils, and greases. 335,890; June 16; Serial No. 369,110; published Mar. 31, 1936. Class 15.

Springdale Distilling Company. (See Berson, Joseph A.)

Stearns & Foster Co., The, Lockland, Cincinnati, Ohio. Mattresses and box springs. 335,969; June 16. Class 32.

Stein, A., & Company, Chicago, Ill. Garters. 110,517; renewed May 30, 1936.

Stein, A., & Company, Chicago, Ill. Garters. 111,531; renewed July 25, 1936.

Steinberger Bros. Glove Corporation, New York, N. Y. Gloves, mittens, shoes, etc. 335,935; June 16; Serial No. 374,490; published Mar. 31, 1936. Class 39.

Steinwender, Stoffregen & Company, Inc., New York, N. Y. Green coffee. 335,857; June 16; Serial No. 374,168; published Apr. 7, 1936. Class 46.

Stempel, Irving, and Co., Inc., New York, N. Y. Dresses. 335,737; June 16; Serial No. 374,947; published Apr. 7, 1936. Class 39.

Stone, Clair M., doing business as Stone & Stone, Montrose, Calif. Card game. 335,736; June 16; Serial No. 374,948; published Apr. 7, 1936. Class 22.

Supertex Mills, Philadelphia, Pa. Rayon bloomers and panties. 335,898; June 16; Serial No. 374,099; published Mar. 31, 1936. Class 39.

Sussman, Wormser & Co., San Francisco, Calif. Canned vegetables. 335,913; June 16; Serial No. 373,810; published Apr. 7, 1936. Class 46.

Swagger Seat Company. (See Sheldon, Albert J.)

Tall's Travel Shops, Inc., Seattle, Wash. Luggage and leather goods. 335,903; June 16; Serial No. 374,023; published Apr. 7, 1936. Class 3.

Taylor & Sledd, Inc., Richmond, Va. Canned fruits and vegetables. 335,798; June 16; Serial No. 374,736; published Apr. 7, 1936. Class 46.

Tayton Company, Kansas City, Mo. Cleansing creams. 335,795; June 16; Serial No. 374,636; published Apr. 7, 1936. Class 6.

Three Crowns Laboratory Fifth Avenue. (See Worthington, Lorraine K.)

Tide Water Oil Company, Bayonne, N. J., and New York, N. Y. Gasoline, oils, and greases. 335,847; June 16; Serial No. 374,263; published Mar. 24, 1936. Class 15.

Ti Hang Lung Company, San Francisco, Calif. Rice. 335,816; June 16; Serial No. 370,688; published Apr. 7, 1936. Class 46.

Tindell, Alfred S., New Brunswick, N. J. Oils used for lubricating purposes. 111,614; renewed July 25, 1936.

Titusville Iron Works Company, The, Titusville, Pa. Boilers for heating houses. 335,761; June 16; Serial No. 373,649; published Apr. 7, 1936. Class 34.

Transparent-Wrap Machine Corporation, New York, N. Y. Packaging machines. 335,751; June 16; Serial No. 374,865; published Apr. 7, 1936. Class 23.

Tuxite, Inc., New York, N. Y. Preparation in powdered form having silk preservative properties. 335,934; June 16; Serial No. 374,498; published Mar. 31, 1936. Class 6.

Ulmann, Bernhard, Co. Inc., New York, N. Y. Needlework package outfits. 335,922; June 16; Serial No. 362,933; published Mar. 31, 1936. Class 40.

Union Lithograph Co. Inc., The, Los Angeles, Calif. Safety paper, cards, tickets, etc. 335,920; June 16; Serial No. 362,389; published Apr. 7, 1936. Class 37.

Union Oil Company of California, Los Angeles, Calif. Oils. 335,828; June 16; Serial No. 373,241; published Mar. 24, 1936. Class 15.

U. S. Vitamin Corporation, Wilmington, Del. Preparations containing various vitamins and minerals. 335,776; June 16; Serial No. 373,466; published Apr. 7, 1936. Class 6.

United States Wire Mat Company, by change of name to United States Manufacturing Corporation, Decatur, Ill. Fly-killers or hand devices for killing flies and other insects. 113,458; renewed Oct. 17, 1936.

Utah Fuel Company, Castle Gate and Salt Lake City, to Utah Fuel Company, Salt Lake City, Utah. Coal. 110,705; renewed June 6, 1936.

Vacuum Specialty Company, assignor by mesne assignments, to Manning, Bowman & Co., Meriden, Conn. Vacuum vessels. 111,435; renewed July 11, 1936.

Vadsco Sales Corporation, Long Island City, N. Y. Laxatives. 335,852; June 16; Serial No. 374,220; published Apr. 7, 1936. Class 6.

Vadsco Sales Corporation, Long Island City, N. Y. Toothpaste, tooth powders, mouth washes, etc. 335,853; June 16; Serial No. 374,219; published Apr. 7, 1936. Class 6.

Van Cleef & Arpels, Paris, France. Jewelry and ornaments for personal wear. 335,923; June 16; Serial No. 363,837; published Mar. 31, 1936. Class 28.

Vineyardists, Inc., Penn Yan, N. Y. Wines. 335,963; June 16. Class 47.

Walker, Isaac, Hardware Company. (See Clark-Smith Hdw. Co., assignor.)

Walker Properties Association, assignor to Walker's Austex Chile Company, Austin, Tex. Canned chilli-con-carne. 113,318; renewed Oct. 10, 1936.

Walker Properties Association, assignor to Walker's Austex Chile Company, Austin, Tex. Foods. 113,319; renewed Oct. 10, 1936.

Wanamaker, John, Philadelphia, Philadelphia, Pa. Sport shirts. 335,932; June 16; Serial No. 374,347; published Mar. 31, 1936. Class 39.

Ware, Pratt Company, Worcester, Mass. Men's overcoats. 335,901; June 16; Serial No. 374,066; published Mar. 31, 1936. Class 39.

Wasco Flashing Co., Cambridge, Mass. Flashing structures. 335,851; June 16; Serial No. 374,223; published Mar. 31, 1936. Class 12.

Webb Belting Co., Kansas City, Mo. Leather belting. 335,979; June 16. Class 35.

Welco Laboratories, The, Coffeyville, Kans. Medicinal preparation. 335,846; June 16; Serial No. 374,264; published Apr. 7, 1936. Class 6.

West Leechburg Steel Company, West Leechburg, Pa. Galvanized steel strips, bars, and sheets. 335,863; June 16; Serial No. 360,301; published Apr. 7, 1936. Class 14.

Wickshire Brothers, Cortland, N. Y. Wire fabric. 335,915; June 16; Serial No. 373,760; published Apr. 7, 1936. Class 13.

Wigder, Bernard, doing business as The Wigder Manufacturing Co., Newark, N. J. Manicure implements. 335,965; June 16. Class 44.

Wilson, Silas J., Selma, N. C. Medical preparation for treating the stomach and bowels. 335,933; June 16; Serial No. 374,504; published Apr. 7, 1936. Class 6.

Winter, Ida B., doing business as The M. A. Winter Co., Washington, D. C. Laxative tablets. 335,844–5; June 16; Serial Nos. 374,265–6; published Apr. 7, 1936. Class 6.

Wolferman, Fred, Incorporated, Kansas City, Mo. Whiskey. 335,865; June 16; Serial No. 359,831; published Apr. 7, 1936. Class 49.

Worthington, Lorraine K., doing business as Three Crowns Laboratory Fifth Avenue, Waterloo, Iowa. Shampoo. 335,775; June 16; Serial No. 373,473; published Apr. 7, 1936. Class 6.

Yankee, Inc., Dublin, N. H. Periodical publication. 335,884; June 16; Serial No. 369,670; published Mar. 31, 1936. Class 38.

Young, Edward, & Co. Limited, London and Liverpool, England. Wines. 335,925; June 16; Serial No. 364,799; published Apr. 7, 1936. Class 47.

Zenith Radio Corporation, Chicago, Ill. Television receiving and amplifying apparatus and parts thereof. 335,735; June 16; Serial No. 374,953; published Apr. 7, 1936. Class 21.

LIST OF REGISTRANTS OF LABELS

Ballantine, P., & Sons, Newark, N. J. Ballantine's Bock Beer. For Bock Beer. 47,534–5; June 16.

Beech-Nut Packing Company, Canajoharie, N. Y. Beech-Nut Cheese Wafers. For Cheese Wafers. 47,536; June 16.

Bon-Ton Beverages, Incorporated, Chicago, Ill. Chesterfield. For Ginger Ale. 47,537; June 16.

Bridal Shop, The. (See Johnson, Gust G.)

Eagle Lake Fruit Growers Association, Eagle Lake, Fla. Cuckoo. For Fresh Citrus Fruits. 47,538; June 16.

Frank, Leland L., doing business as The Settlesit Company, Decatur, Ind. Settlesit Bag. For Preparation for Clarifying Black, Sooty Cistern Water. 47,539; June 16.

Grogan, John T., Beloit, Wis. Belle Vogue. For Shoes. 47,540; June 16.

Hicks, Nellie, Los Angeles, Calif. Cosmos hair remedy. For a Remedy for Baldness. 14,500; renewed Nov. 17, 1936.

Johnson, Gust G., doing business as The Bridal Shop, Youngstown, Ohio. Johnson Vanishing Creme. For Vanishing Cream. 47,541; June 16.

Kosciusko Creamery, Kosciusko, Miss. American Beauty Creamery. For Butter. 47,542; June 16.

Lewy Chemical Co., The, New York, N. Y. Moth Gas-Vaporizer. For Solid, Crystalline Product of Vaporized Material for Killing Motlis. 47,543; June 16.

Long, W. E., Co., The, Chicago, Ill. Holsum Raisin Loaf. For a Raisin Loaf. 47,544; June 16.

Master Chemical Company, Milwaukee, Wis. Iceland Breeze Skin Lotion. For Skin Lotion. 47,545; June 16.

McCormick & Co., Inc., Baltimore, Md. Insekto Spray—a Garden Insecticide. For a Garden Insecticide. 47,546; June 16.

Monarch Brewing Company, Chicago, Ill. Monarch. For Bock Beer. 47,547; June 16.

Monarch Brewing Company, Chicago, Ill. Monarch. For Beer. 47,548; June 16.

Newerking Cleaning Fluid Co. Inc., New York, N. Y. Newerking. For a Cleaning Fluid. 47,549; June 16.

Peacock, W. S., Ventura, Calif. Peacock's. For a Preparation for the Hair and Scalp. 47,550; June 16.

Rath Packing Company, The, Waterloo, Iowa. Rath's Chili Con Carne with Beans. For Chili Con Carne with Beans. 47,551; June 16.

Reichard-McConnell La Fayette, Ind. Lemon-Koke. For a Soft Drink. 47,552; June 16.

Royal, Thomas M., & Co., Philadelphia, Pa. Coffee. For Coffee. 47,553–5; June 16.

Sani-Save Inc., New York, N. Y. Sani-Save. For Bib Towels. 47,556; June 16.

Settlesit Company, The. (See Frank, Leland L.)

Southern Breweries, Inc., Norfolk, Va. "B" Happy. For Beer. 47,557; June 16.

Standard Brands Incorporated, New York, N. Y. Chase and Sanborn Dated. For Coffee. 47,558; June 16.

Sterling Wine & Liquor Corporation, St. Paul, Minn. Morrissey. For Straight California Brandy. 47,559; June 16.

Sterling Wine & Liquor Corporation, St. Paul, Minn. Minnesota Club Brand Sloe Gin Liqueurs for the Creamy Top Fizz or Rickey. For Sloe Gin Liqueur. 47,560; June 16.

Sterling Wine & Liquor Corporation, St. Paul, Minn. Minnesota Club Brand. For Apricot Liqueur with Brandy. 47,561; June 16.

Sterling Wine & Liquor Corporation, St. Paul, Minn. Al-K-Hall. For Blended or Spirit Whiskey. 47,562; June 16.

Sterling Wine & Liquor Corporation, St. Paul, Minn. Green Mill. For Straight Bourbon Whiskey. 47,563; June 16.

Sterling Wine & Liquor Corporation, St. Paul, Minn. Rush Creek. For Straight Bourbon Whiskey. 47,564; June 16.

Sterling Wine & Liquor Corporation, St. Paul, Minn. Sterling Creamy Top Brand Sloe Gin. For Sloe Gin. 47,565; June 16.

Sterling Wine & Liquor Corporation, St. Paul, Minn. Creamy Top Brand. For Sloe Gin. 47,566; June 16.

Sutherland Paper Company, Kalamazoo, Mich. Furnas Ice Cream No. 446 A-B-P. For Ice Cream. 47,567; June 16.

Tennessee Tissue Mills, Nashville, Tenn. Pixis. For Toilet Paper. 47,568; June 16.

Tennessee Tissue Mills, Nashville, Tenn. Ship-Shape. For Bathroom Paper. 47,569; June 16.

Transogram Company, Inc., The, Easton, Pa. Big Business. For a Game. 47,570; June 16.

Treesweet Products Co., Los Angeles, Calif. Treesweet. For Canned Lemon Juice. 47,571; June 16.

Vogt, F. G., & Sons, Incorporated, Philadelphia, Pa. Vogt's Delicious Sliced Bacon. For Bacon. 47,572; June 16.

Watt, Mrs. N. C., Des Moines, Iowa. Miracle Hair Restorer. For a Hair Restorer. 47,573; June 16.

LIST OF REGISTRANTS OF PRINTS

Duart Sales Company, Ltd., San Francisco, Calif. Creme of Milk. For Facial Creme. 15,719; June 16.

Gladke, Jerome J., doing business as Korjena Medicine Company, Elmira, N. Y. Remember! Korjena Constantly Dissolves Fat. For a Pharmaceutical Preparation in Tablet Form for the Reduction of Excessive Fat. 15,720; June 16.

Korjena Medicine Company. (See Gladke, Jerome J.)

Wrigley, Wm., Jr. Company, Chicago, Ill. We Continue to Pay Dollar Bills to Learn How You Like Wrigley's Gum. For Chewing Gum. 15,721; June 16.

Wrigley, Wm. Jr. Company, Chicago, Ill. Beginning Tomorrow Dollar Bills Will Be Paid to Learn How You Like Wrigley's Gum. For Chewing Gum. 15,722; June 16.

Wrigley, Wm., Jr. Company, Chicago, Ill. Coming Handfuls of Dollar Bills for Wrigley Gum Users. For Chewing Gum. 15,723; June 16.

Wrigley, Wm., Jr. Company, Chicago, Ill. One More Day Then Dollar Bills for Wrigley Gum Users. For Chewing Gum. 15,724; June 16.

Wrigley, Wm., Jr. Company, Chicago, Ill. On the Way to Pay Dollar Bills to Wrigley Gum Users. For Chewing Gum. 15,725; June 16.

Wrigley, Wm., Jr. Company, Chicago, Ill. Still in Town with Dollar Bills to Pay for Opinions of Wrigley's Gum. For Chewing Gum. 15,726; June 16.

Wrigley, Wm., Jr. Company, Chicago, Ill. Almost Here with Handfuls of Dollar Bills for Wrigley Gum Users. For Chewing Gum. 15,727; June 16.

Wrigley, Wm., Jr. Company, Chicago, Ill. They Continue to Pay Dollar Bills to Learn How You Like Wrigley's Gum. For Chewing Gum. 15,728; June 16.

Wrigley, Wm., Jr. Company, Chicago, Ill. Still Paying Dollar Bills to Learn How You Like Wrigley's Gum. For Chewing Gum. 15,729; June 16.

Wrigley, Wm., Jr. Company, Chicago, Ill. Dollar Bills Still Being Paid for Opinions of Wrigley's Gum. For Chewing Gum. 15,730; June 16.

Wrigley, Wm., Jr. Company, Chicago, Ill. Dollar Bills to Learn How You Like Wrigley's Gum. For Chewing gum. 15,731; June 16.

Wrigley, Wm., Jr. Company, Chicago, Ill. Dollar Bills for Wrigley Gum Users. For Chewing Gum. 15,732; June 16.

Wrigley, Wm., Jr. Company, Chicago, Ill. Get Your Wrigley's Gum Here Now. For Chewing Gum. 15,733; June 16.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal. Blason Coal Company. 335,781; June 16; Serial No. 353,377; published Apr. 7, 1936.

Coal. Utah Fuel Company. 110,705; renewed June 6, 1936.

Earth for treating lubricating oils, Activated. W. S. Baylis. 335,768; June 16; Serial No. 373,552; published Apr. 7, 1936.

Grit, Poultry. Calcium Carbonate Company. 335,827; June 16; Serial No. 373,247; published Apr. 7, 1936.

Peat moss. Atkins & Durbrow, Inc. 335,765; June 16; Serial No. 373,632; published Mar. 17, 1936.

Skins and parts thereof, Fur. Morris Schwartz Fur Corp. 335,792; June 16; Serial No. 374,598; published Apr. 7, 1936.

CLASS 2

Cartons for shoes. M. B. Claff & Sons, Inc. 335,835; June 16; Serial No. 375,319; published Apr. 7, 1936.

Containers, Corrugated shipping. Container Service Company. 335,834; June 16; Serial No. 375,322; published Apr. 7, 1936.

Tanks, storage hoppers, and bins, Steel. Jeffrey Manufacturing Company. 335,812; June 16; Serial No. 371,635; published Apr. 7, 1936.

Trays. J. V. Greene. 335,967; June 16.

Vaults and caskets, Grave or burial. Muscatine Metallic Vault Company. 335,758; June 16; Serial No. 375,057; published Apr. 7, 1936.

Vessels, Vacuum. Vacuum Specialty Company. 111,435; renewed July 11, 1936.

CLASS 3

Handbags, Ladies'. Saks & Company. 335,858; June 16; Serial No. 374,159; published Apr. 7, 1936.

Luggage and leather goods. Tall's Travel Shops, Inc. 335,903; June 16; Serial No. 374,023; published Apr. 7, 1936.

Purses, pocketbooks, and hand bags, Ladies'. Koret, Inc. 335,811; June 16; Serial No. 371,733; published Apr. 7, 1936.

CLASS 4

Polishing cloths, Chemically impregnated. J. B. Marino. 335,964; June 16.

Soap, Laundry and family. James S. Kirk & Co. 18,264; re-renewed May 4, 1936.

Soaps and cleansing preparations. London House, Ltd. 335,958; June 16.

CLASS 6

Brilliantine, hair oil, shaving lotion, etc. R. O. Pevehouse. 335,813; June 16; Serial No. 371,405; published Apr. 7, 1936.

Chemical preparation. A. D. Chapman and Company. 335,767; June 16; Serial No. 373,559; published Apr. 7, 1936.

Cod liver oil for poultry and animal use, Emulsified. Acton Company. 335,759; June 16; Serial No. 375,070; published Apr. 7, 1936.

Cream, Cold. W. A. Shenton. 335,772; June 16; Serial No. 373,504; published Apr. 7, 1936.

Cream, Skin. Charles of the Ritz, Inc. 335,904; June 16; Serial No. 373,996; published Apr. 7, 1936.

Creams, Cleansing. Tayton Company. 335,795; June 16; Serial No. 374,636; published Apr. 7, 1936.

Dentifrice. W. A. Shenton. 335,773; June 16; Serial No. 373,503; published Apr. 7, 1936.

Deodorizers and odorants for various rubber products. W. J. Bush & Co. Inc. 335,866; June 16; Serial No. 359,536; published Apr. 7, 1936.

Eau de cologne, lavender water, perfumes, etc. P. P. Mülhens. 335,777; June 16; Serial No. 373,459; published Apr. 7, 1936.

Germicide, disinfectant, antiseptic, etc. Midland Chemical Laboratories, Inc. 335,947; June 16; Serial No. 374,427; published Mar. 31, 1936.

Hair tonic. E. B. Cuddy. 335,805; June 16; Serial No. 372,301; published Apr. 7, 1936.

Hair-tonics and pomades. A. Overton. 112,698; renewed Sept. 19, 1936.

Insecticide used in flour mills, Food. Midland Chemical Laboratories, Inc. 335,949; June 16; Serial No. 374,425; published Mar. 31, 1936.

Iodin compounds, Therapeutic. Pitman-Moore Company. 335,854; June 16; Serial No. 374,208; published Mar. 31, 1936.

Laxative tablets, I. B. Winter. 335,844–5; June 16; Serial Nos. 374,265–6; published Apr. 7, 1936.

Laxatives. Vadsco Sales Corporation. 335,852; June 16; Serial No. 374,220; published Apr. 7, 1936.

Liniment or compound, Rubbing. G. D. Leocopoulos. 335,880; June 16; Serial No. 369,851; published Apr. 7, 1936.

Lipsticks. Elizabeth Arden, Inc. 335,942; June 16; Serial No. 374,451; published Mar. 31, 1936.

Lipsticks, rouge, hand lotions, etc. Lander Co. Inc. 335,953; June 16.

Medical preparation. Razalon Corporation. 335,738; June 16; Serial No. 374,940; published Apr. 7, 1936.

Medical preparation for treating the stomach and bowels. S. J. Wilson. 335,933; June 16; Serial No. 374,504; published Apr. 7, 1936.

Medicated corn, callous, and bunion pads. Scholl Mfg. Co. 335,973; June 16.

Medicinal preparation. Anogen, Inc. 335,769; June 16; Serial No. 373,551; published Apr. 7, 1936.

Medicinal preparation. H. F. Fuerstnow. 335,908; June 16; Serial No. 373,915; published Mar. 31, 1936.

Medicinal preparation. Gold Medal Haarlem Oil Corp. 335,723; June 16; Serial No. 367,240; published Mar. 31, 1936.

Medicinal preparation. C. W. Lund. 335,951; June 16; Serial No. 374,417; published Mar. 31, 1936.

Medicinal preparation. Myracol Chemical Company. 335,910; June 16; Serial No. 373,887; published Apr. 7, 1936.

Medicinal preparation. Welco Laboratories. 335,846 June 16; Serial No. 374,264; published Apr. 7, 1936.

Medicinal preparation, Internal. Acme Health Laboratories, Inc. 335,850; June 16; Serial No. 374,224; published Mar. 31, 1936.

Medicine for strengthening the blood and having incidental laxative properties. Aunt Nell's Indian Medicine Co. 335,814; June 16; Serial No. 371,196; published Apr. 7, 1936.

Mixture of magnesium phenobarbital plus phenacetin, Mechanical. Calco Chemical Company. 335,848; June 16; Serial No. 374,288; published Mar. 31, 1936.

Nail polish and nail polish remover. A. Genua. 335,757; June 16; Serial No. 375,045; published Apr. 7, 1936.

Ointment. J. C. Brigadell. 109,931; renewed Apr. 25 1936.

Perfume, toilet water, face powder, etc. Houbigant, Inc. 335,873; June 16; Serial No. 372,517; published Mar. 31, 1936.
Perfumes. Lentheric, Incorporated. 335,895; June 16; Serial No. 368,260; published Apr. 7, 1936.
Perfumes and cosmetics. Böhme Fettchemie-Gesellschaft mit beschrankter Haftung. 335,894; June 16; Serial No. 368,320; published Apr. 7, 1936.
Perfumes, eau de cologne, after-shafe lotion, etc. Lentheric, Incorporated. 335,779; June 16; Serial No. 373,422; published Apr. 7, 1936.
Perfumes, toilet waters, sachets, etc. Parfums Charbert, Inc. 335,817; June 16; Serial No. 370,669; published Apr. 7, 1936.
Peroxide. Schuylkill Chemical Co. 335,788; June 16; Serial No. 374,532; published Mar. 31, 1936.
Pharmaceutical preparation. G. F. Harvey Company. 335,954; June 16.
Pharmaceutical preparation. E. Hoffman. 335,837; June 16; Serial No. 373,416; published Apr. 7, 1936.
Preparation for application on the chest, Liquid. R. W. Sencerbox. 335,909; June 16; Serial No. 373,894; published Mar. 31, 1936.
Preparation for corn treatment, bunion lotion, hair wash, etc. Morgan-Sabalol Products, Inc. 335,946; June 16; Serial No. 374,428; published Apr. 7, 1936.
Preparation for removing superfluous hair from the face and body. M. Ruppert. 110,106; renewed May 2, 1936.
Preparation for the treatment of diseases or symptoms produced by removal or destruction of the gall bladder. Sächsisches Serumwerk, Aktiengesellschaft. 335,944; June 16; Serial No. 374,434; published Mar. 31, 1936.
Preparation for the treatment of hyperacidity, peptic ulcer, etc. H. M. Eudowe. 335,916; June 16; Serial No. 373,724; published Mar. 31, 1936.
Preparation for the treatment of malnutrition, etc. Publicite Franco-Americaine. 335,885; June 16; Serial No. 369,547; published Mar. 31, 1936.
Preparation for the treatment of sunburn, insect bites, etc. Central Laboratories, Inc. 335,722; June 16; Serial No. 367,891; published Mar. 31, 1936.
Preparation in powdered form having silk preservative properties. Tuxite, Inc. 335,934; June 16; Serial No. 374,498; published Mar. 31, 1936.
Preparations containing various vitamins and minerals. U. S. Vitamin Corporation. 335,776; June 16; Serial No. 373,466; published Apr. 7, 1936.
Preparations for the hair and scalp. H. J. Mead. 335,959; June 16.
Prescription, Malaria. F. Campbell. 335,930; June 16; Serial No. 374,399; published Apr. 7, 1936.
Salve. E. Cohorn. 335,864; June 16; Serial No. 360,215; published Apr. 7, 1936.
Shampoo. L. K. Worthington. 335,775; June 16; Serial No. 373,473; published Apr. 7, 1936.
Starch softener or sizing. Duratone, Inc. 335,972; June 16.
Suppositories, Rectal. A. A. Edlich. 335,889; June 16; Serial No. 369,269; published Apr. 7, 1936.
Toilet preparations. R. B. Semler, Inc. 335,793; June 16; Serial No. 374,606; published Mar. 31, 1936.
Toothpaste, tooth powders, mouth washes, etc. Vadsco Sales Corporation. 335,853; June 16; Serial No. 374,219; published Apr. 7, 1936.
Vermifuge capsules. W. T. Eager. 335,962; June 16.

CLASS 9

Matches. Biddle Purchasing Co. 335,918; June 16; Serial No. 361,796; published Apr. 7, 1936.

CLASS 11

Ink compounds. F. A. Putnam. 113,138; renewed Oct. 10, 1936.
Ink, Printing. International Printing Ink Corporation. 335,747; June 16; Serial No. 374,835; published Apr. 7, 1936.
Inks, Printing. International Printing Ink Corporation. 335,826; June 16; Serial No. 373,303; published Apr. 7, 1936.

CLASS 12

Flashing structures. Wasco Flashing Co. 335,851; June 16; Serial No. 374,223; published Mar. 31, 1936.
Lumber, shingles, laths, etc. Blanchard Lumber Company. 335,800; June 16; Serial No. 345,583; published Mar. 31, 1936.
Material used in building roads. M. T. Calef. 107,960; renewed Jan. 4, 1936.
Plaster and metal lath, Safety. N. Kaminetsky. 335,940; June 16; Serial No. 374,464; published Mar. 31, 1936.
Roofing and building papers, Asphalt composition. Globe Roofing Products Co, Inc. 335,789–90; June 16; Serial Nos. 374,584–5; published Mar. 31, 1936.
Veneer, Wood. Mengel Company. 335,764; June 16; Serial No. 373,612; published Mar. 31, 1936.

CLASS 13

Valves for gases under pressure, Reducing. K-G Welding and Cutting Company. 335,780; June 16; Serial No. 373,417; published Apr. 7, 1936.
Wire fabric. Wickwire Brothers. 335,915; June 16; Serial No. 373,760; published Apr. 7, 1936.

CLASS 14

Metal, Hard alloy. Industrial Research Laboratories, Ltd. 335,877; June 16; Serial No. 368,258; published Nov. 19, 1935.
Steel strips, bars, and sheets, Galvanized. West Leechburg Steel Company. 335,863; June 16; Serial No. 360,301; published Apr. 7, 1936.

CLASS 15

Gasoline, lubricating oils, and greases. Southern Independent Oil and Refining Company. 335,890; June 16; Serial No. 369,110; published Mar. 31, 1936.
Gasoline, oil, and greases. Tide Water Oil Company. 335,847; June 16; Serial No. 374,263; published Mar. 24, 1936.
Greases. International Lubricant Corporation. 335,770; June 16; Serial No. 373,529; published Mar. 24, 1936.
Naphtha. American Oil Company. 335,766; June 16; Serial No. 373,586; published Mar. 31, 1936.
Oils. Union Oil Company of California. 335,828; June 16; Serial No. 373,241; published Mar. 24, 1936.
Oils, Lubricating. Freedom Oil Works Company. 335,856; June 16; Serial No. 374,186; published Mar. 31, 1936.
Oils used for lubricating purposes. A. S. Tindell. 111,614; renewed July 25, 1936.
Rust-preventive, kerosene-oil, paraffin-wax, and candles. Atlantic Refining Company. 111,874; renewed Aug. 8, 1936.

CLASS 16

Filler and surface finisher for gymnasium floors, Combined. Midland Chemical Laboratories, Inc. 335,948; June 16; Serial No. 374,426; published Apr. 7, 1936.
Lacquer emulsion. Ault & Wiborg Corporation. 335,836; June 16; Serial No. 375,314; published Apr. 7, 1936.
Paint, Chemical resistant. Paper Makers Chemical Corporation. 335,760; June 16; Serial No. 375,267; published Apr. 7, 1936.
Paints and japan driers. Con-Ferro Paint and Varnish Company. 335,794; June 16; Serial No. 374,616; published Apr. 7, 1936.
Paints, paint enamels, colors in oils, etc. Apex Color Works, Inc. 335,943; June 16; Serial No. 374,450; published Apr. 7, 1936.
Polish, Automobile. A. B. McPhee. 335,956; June 16.
Polishing material. Glitter Products, Inc. 335,785; June 16; Serial No. 374,558; published Apr. 7, 1936.
Shellacs and lacs. Angelo Brothers Limited. 335,891; June 16; Serial No. 368,733; published Apr. 7, 1936.
Shellacs and lacs. Angelo Brothers Limited. 335,892; June 16; Serial No. 368,731; published Apr. 7, 1936.
Turpentine substitute. Atlantic Refining Company. 111,873; renewed Aug. 8, 1936.

CLASS 17

Cigars. Lewis Osterweis & Sons. 335,748; June 16; Serial No. 374,845; published Apr. 7, 1936.
Cigars. Rubini Cigar Company. 335,902; June 16; Serial No. 374,061; published Apr. 7, 1936.

CLASS 19

Trailer, specially constructed motor-powered lead vehicles, and similar powered conveyances, House. W. E. Caldwell. 335,774; June 16; Serial No. 373,485; published Apr. 7, 1936.

CLASS 21

Batteries, Storage. Allied Battery Corporation. 335,802; June 16; Serial No. 344,034; published Jan. 16, 1934.
Electric motors. Sears, Roebuck and Co. 335,799; June 16; Serial No. 374,760; published Apr. 7, 1936.
Radio receiving sets. Howard Radio Co. 335,955; June 16.
Spark plugs and spark plug porcelains. A C Spark Plug Company. 335,726–9; June 16; Serial Nos. 374,906–9; published Apr. 7, 1936.
Switches, Gravity operated. Bucklen-Bear Laboratory. 335,831; June 16; Serial No. 373,197; published Apr. 7, 1936.
Television receiving and amplifying apparatus and parts thereof. Zenith Radio Corporation. 335,735; June 16; Serial No. 374,953; published Apr. 7, 1936.

CLASS 22

Game, Board. Parker Brothers, Inc. 335,833; June 16; Serial No. 375,461; published Apr. 7, 1936.
Game, Card. C. M. Stone. 335,736; June 16; Serial No. 374,948; published Apr. 7, 1936.
Game, Table. Radio-Song-O Co. 335,743; June 16. Serial No. 374,801; published Apr. 7, 1936.
Toy musical instruments. M. M. Pochapin, Inc. 335,832; June 16; Serial No. 375,464; published Apr. 7, 1936.
Toy wagons. General Tire & Rubber Company. 335,921; June 16; Serial No. 362,416; published Apr. 7, 1936.

CLASS 23

Cutlery and tools and parts thereof. Clark-Smith Hdw. Co. 110,016; renewed May 2, 1936.
Files. S. H. Kress and Company. 335,970; June 16.
Fire-extinguishing apparatus. R. C. Iddings. 111,826; renewed Aug. 8, 1936.

Packaging machines. Transparent-Wrap Machine Corporation. 335,751; June 16; Serial No. 374,865; published Apr. 7, 1936.
Pumps and compressors, Fluid. Gerotor May Company. 335,976; June 16.
Razor blades. Paul D. Newton & Co. Inc. 335,754; June 16; Serial No. 374,898; published Apr. 7, 1936.
Razor blades. Segal Safety Razor Corporation. 335,730; June 16; Serial No. 374,984; published Apr. 7, 1936.
Tool, Wood-cutting. H. K. Porter, Inc. 335,977; June 16.

CLASS 26

Change-maker, Mechanical. Brandt Cashier Company. 110,014; renewed May 2, 1936.
Thermometers. Palmer Company. 335,971; June 16.

CLASS 28

Jewelry. J. Milhening, Inc. 113,280; renewed Oct. 10, 1936.
Jewelry and ornaments. Van Cleef & Arpels. 335,923; June 16; Serial No. 368,837; published Mar. 31, 1936.
Rings and class pins, Finger. Josten Manufacturing Company. 335,912; June 16; Serial No. 373,830; published Mar. 31, 1936.
Tableware and cutlery, Silver plated. Oneida Ltd. 335,937; June 16; Serial No. 374,475; published Mar. 31, 1936.

CLASS 32

Cabinet for business-records. L. S. Robinson. 112,809; renewed Sept. 26, 1936.
Mattresses and box springs. Stearns & Foster Co. 335,969; June 16.
Shades, Window. Clopay Corporation. 335,952; June 16; Serial No. 374,403; published Apr. 7, 1936.

CLASS 34

Blower and filter unit, Air conditioning. Schwitzer-Cummins Company. 335,914; June 16; Serial No. 373,802; published Apr. 7, 1936.
Boilers for heating houses. Titusville Iron Works Company. 335,761; June 16; Serial No. 373,649; published Apr. 7, 1936.

CLASS 35

Belting, Leather. Webb Belting Co. 335,979; June 16.

CLASS 36

Records for instruction in languages, Disk. R. D. Cortina Co. 111,194; renewed July 4, 1936.
Talking-machines and phonographs. R. D. Cortina Co. 111,119; renewed June 27, 1936.

CLASS 37

Manifolding devices. Atlantic Register Company. 335,807–9; June 16; Serial Nos. 372,269–71; published Apr. 7, 1936.
Paper, and cross-section paper, Profile. Eugene Dietzgen Co. 108,992; renewed Mar. 14, 1936.
Paper, cards, tickets, etc., Safety. Union Lithograph Co. Inc. 335,920; June 16; Serial No. 362,389; published Apr. 7, 1936.
Papers, Coated and uncoated book. Bradner Smith & Company. 335,924; June 16; Serial No. 364,754; published Apr. 7, 1936.
Pencils, Lead. Eberhard Faber Pencil Company. 335,733; June 16; Serial No. 374,966; published Apr. 7, 1936.

CLASS 38

Booklet. Retail Credit Company. 335,896; June 16; Serial No. 344,946; published Mar. 31, 1936.
Books. Crowell Publishing Company. 335,960–1; June 16.
News dispatches. Scripps Newspapers, Incorporated. 335,978; June 16.
Newspaper-section. Newspaper Feature Service, Inc. 113,421; renewed Oct. 17, 1936.
Periodicals. Previews Incorporated. 335,872; June 16; Serial No. 372,570; published Mar. 31, 1936.
Photographs. Johnston & Johnston, Inc. 335,911; June 16; Serial No. 373,873; published Mar. 31, 1936.
Publication. Crowell Publishing Company. 335,864; June 16; Serial No. 372,312; published Mar. 31, 1936.
Publication. Quality Bakers of America Inc. 335,928; June 16; Serial No. 374,335; published Mar. 31, 1936.
Publication, Periodical. Yankee, Inc. 335,884; June 16; Serial No. 369,670; published Mar. 31, 1936.
Berets. Fez America, Inc. 335,905; June 16; Serial No. 373,959; published Mar. 31, 1936.

CLASS 39

Bloomers and panties, Rayon. Supertex Mills. 335,898; June 16; Serial No. 374,099; published Mar. 31, 1936.
Boots and shoes, Rubber. Lambertville Rubber Co. 109,010; renewed Mar. 14, 1936.
Breeches, Riding. Passaic Woolfex Manufacturing Company. 335,881; June 16; Serial No. 369,825; published Apr. 7, 1936.
Caps. Keystone Adjustable Cap Corporation. 335,869; June 16; Serial No. 372,974; published Mar. 31, 1936.
Clothes. Société à Responsibilité limitée "Mainbocher". 335,876; June 16; Serial No. 370,472; published Mar. 31, 1936.
Coats and suits. I. Kaminsky & Sons, Inc. 335,796; June 16; Serial No. 374,668; published Apr. 7, 1936.
Coats and suits, Ladies. Irving Finker, Inc. 335,810; June 16; Serial No. 372,204; published Mar. 31, 1936.
Coats and suits, Women's. Lavanshire Coat Co. 335,900; June 16; Serial No. 374,069; published Mar. 31, 1936.
Coats, Fur. Heitkin Fur Co. 335,975; June 16.
Coats, vests, overcoats, etc. Joseph & Feiss Company. 335,762; June 16; Serial No. 373,640; published Apr. 7, 1936.
Corsets. I. Newman & Sons, Inc. 335,783; June 16; Serial No. 374,529; published Mar. 31, 1936.
Dresses. Lew L. Gluck, Inc. 335,840; June 16; Serial No. 374,328; published Apr. 7, 1936.
Dresses. Irving Stempel and Co. 335,737; June 16; Serial No. 374,947; published Apr. 7, 1936.
Dresses and negligees. M. C. Schrank Company. 335,945; June 16; Serial No. 374,436; published Apr. 7, 1936.
Dresses, frocks, cloaks, etc. Art Frocks, Inc. 335,784; June 16; Serial No. 374,546; published Apr. 7, 1936.
Dresses, slips, petticoats, etc. M. C. Schrank Company. 335,731; June 16; Serial No. 374,982; published Mar. 31, 1936.
Frocks and dresses. Joseph S. Cohen & Sons Co. Inc. 335,859; June 16; Serial No. 361,508; published Apr. 7, 1936.
Frocks and dresses. Joseph S. Cohen & Sons Co. Inc. 335,861; June 16; Serial No. 361,507; published Apr. 7, 1936.
Garters. A. Stein & Company. 110,517; renewed May 30, 1936.
Garters. A. Stein & Company. 111,531; renewed July 28, 1936.
Glove and sleeve or arm cover or protector, Combined. E. Bockli. 335,893; June 16; Serial No. 368,554; published Mar. 31, 1936.
Gloves, mittens, shoes, etc. Steinberger Bros. Glove Corporation. 335,935; June 16; Serial No. 374,490; published Mar. 31, 1936.
Hats for men. Hat Corporation of America. 335,791; June 16; Serial No. 374,591; published Mar. 31, 1936.
Hats for men. Hat Corporation of America. 335,931; June 16; Serial No. 374,366; published Mar. 31, 1936.
Hosiery. Cooper, Wells & Company. 335,941; June 16; Serial No. 374,456; published Mar. 31, 1936.
Hosiery. Fashion Hosiery Mills, Inc. 335,746; June 16; Serial No. 374,822; published Apr. 7, 1936.
Hosiery. Hanes Hosiery Mills Company. 335,829; June 16; Serial No. 374,330; published Mar. 31, 1936.
Hosiery. Hanes Hosiery Mills Company. 335,926; June 16; Serial No. 374,331; published Mar. 31, 1936.
Hosiery. Nenmode Hosiery Co. 335,721; June 16; Serial No. 367,903; published Oct. 1, 1935.
Hosiery. Priscilla Hosiery Mills, Inc. 335,742; June 16; Serial No. 374,800; published Apr. 7, 1936.
Overcoats, coats, pants, etc. Globe Tailoring Company. 335,907; June 16; Serial No. 373,917; published Apr. 7, 1936.
Overcoats, Men's. Ware, Pratt Company. 335,901; June 16; Serial No. 374,066; published Mar. 31, 1936.
Pajamas, Ladies'. Kaylon, Inc. 335,848; June 16; Serial No. 374,242; published Apr. 7, 1936.
Pajamas, nightrobes, running pants, etc. Plymouth Underwear Company. 335,899; June 16; Serial No. 374,093; published Mar. 31, 1936.
Shirts, Sport. John Wanamaker Philadelphia. 335,932; June 16; Serial No. 374,347; published Mar. 31, 1936.
Shoes. Selby Shoe Co. 335,929; June 16; Serial No. 374,398; published Mar. 31, 1936.
Shoes, Leather. H. Ryberg, Jr. 335,725; June 16; Serial No. 366,299; published Mar. 31, 1936.
Shoes, Women's. Excelsior Shoes Inc. 335,883; June 16; Serial No. 369,694; published Mar. 31, 1936.
Suits, coats, overcoats, etc. Hart, Schaffner & Marx. 335,820–2; June 16; Serial Nos. 373,377–9; published Mar. 31, 1936.
Suits, overcoats, and topcoats, etc., Men's. Hahle & Solomon Inc. 335,734; June 16; Serial No. 374,909; published Apr. 7, 1936.
Suits, overcoats, topcoats, etc. Kline Brothers Co. 335,861; June 16; Serial No. 374,789; published Apr. 7, 1936.
Suspenders or braces. Hickok Manufacturing Company. 335,838; June 16; Serial No. 373,415; published Mar. 31, 1936.
Uniforms, caps, capes, etc., Nurses' and maids'. B. Cohen. 335,906; June 16; Serial No. 373,951; published Mar. 31, 1936.

CLASS 40

Combs and hair ornaments. Continental Gummi-Werke Aktiengesellschaft. 335,824; June 16; Serial No. 373,363; published Mar. 31, 1936.
Combs, Hard rubber. American Hard Rubber Company. 335,849; June 16; Serial No. 374,225; published Mar. 31, 1936.
Needlework package outfits. Bernhard Ulmann Co. Inc. 335,922; June 16; Serial No. 362,933; published Mar. 31, 1936.

CLASS 41

Walking sticks and seats, Combined. A. J. Sheldon. 335,888; June 16; Serial No. 369,377; published Mar. 17, 1936.

CLASS 42

Piece goods of cellulose derivatives. Celanese Corporation of America. 335,744–5; June 16; Serial Nos. 374,816–17; published Apr. 7, 1936.
Woolen and mixtures of woolen piece goods. Herbert R. Leeds & Co. Inc. 335,797; June 16; Serial No. 374,672; published Apr. 7, 1936.
Woollen and worsted piece goods. Gibson & Lumgair, Ltd. 335,855; June 16; Serial No. 374,187; published Apr. 7, 1936.

CLASS 44

Bandages, Surgical and orthopedic. Kaiseralauterer Verbandstoff-Fabrik Emil Bender G. m. b. H. 335,966; June 16.
Dental supplies. A. Gysi. 335,829; June 16; Serial No. 378,215; published Apr. 7, 1936.
Hair drying apparatus, hoods, and parts therefor, Electric. Hoffman Dryer Co. 335,957; June 16.
Hair waving machines, Permanent. Sosna Products, Inc. 335,968; June 16.
Hot-water bottles, fountain-syringes, and combination-syringes. De Pree Chemical Company. 110,455; renewed May 23, 1936.
Manicure implements. B. Wigder. 335,965; June 16.
Surgical ligatures and sutures. Davis & Geck, Inc. 110,570; renewed May 30, 1936.

CLASS 45

Beverages, Maltless. Ludford Fruit Products, Inc. 335,753; June 16; Serial No. 374,889; published Apr. 7, 1936.

CLASS 46

Almonds. Pryta, Sociedad Anonima. 335,803; June 16; Serial No. 372,335; published Apr. 7, 1936.
Apples, Fresh. Hood River Apple Growers' Union. 90,992; renewed Apr. 8, 1933.
Bread, Rye. K. Kerner. 110,466; renewed May 23, 1936.
Canned chilli-con-carne. Walker Properties Association. 113,318; renewed Oct. 10, 1936.
Canned fruits and vegetables. Taylor & Sledd, Inc. 335,798; June 16; Serial No. 374,736; published Apr. 7, 1936.
Canned pork and beans. Geo. A. Marsh Company. 335,787; June 16; Serial No. 374,575; published Apr. 7, 1936.
Canned vegetables. Sussman, Wormser & Co. 335,913; June 16; Serial No. 373,810; published Apr. 7, 1936.
Canned vegetables and baked beans. Burnham & Morrill Company. 335,819; June 16; Serial No. 373,407; published Apr. 7, 1936.
Cereal food products. Hecker-H-O Company. 335,771; June 16; Serial No. 373,528; published Apr. 7, 1936.
Cheese, Ice cream mix, eggs, etc. Blue Valley Creamery Company. 335,870; June 16; Serial No. 372,761; published Apr. 7, 1936.
Cocoa. Food Products Co. of America. 335,862; June 16; Serial No. 360,485; published Apr. 7, 1936.
Coffee. T. P. Jones & Co. 112,903; renewed Oct. 3, 1936.
Coffee. Schwabacher Bros. & Co. 110,149; renewed May 2, 1936.
Coffee, Green. Steinwender, Stoffregen & Company. 335,857; June 16; Serial No. 374,168; published Apr. 7, 1936.
Eggs, fresh vegetables, milk, etc. N. L. Wood. 335,878; June 16; Serial No. 369,987; published Apr. 7, 1936.
Food for infants, Prepared. J. S. Robinson. 111,530; renewed July 25, 1936.
Foods. Walker Properties Association. 113,319; renewed Oct. 10, 1936.
Foods, Prepared stock and poultry. Darling & Company. 113,025; renewed Oct. 10, 1936.
Fruits and vegetables. Pacific Fruit & Produce Company. 335,879; June 16; Serial No. 369,927; published Apr. 7, 1936.
Fruits, Fresh citrus. L. E. Holloway. 335,752; June 16; Serial No. 374,886; published Apr. 7, 1936.
Milk, Evaporated. Pevely Dairy Company. 335,750; June 16; Serial No. 374,847; published Apr. 7, 1936.
Milk powder, Skim. Pet Milk Company. 335,786; June 16; Serial No. 374,570; published Apr. 7, 1936.
Rice. Ti Hang Lung Company. 335,816; June 16; Serial No. 370,688; published Apr. 7, 1936.
Vegetables, Fresh. H. L. Lyons. 335,756; June 16; Serial No. 375,019; published Apr. 7, 1936.
Vegetables, Fresh. H. L. Lyons. 335,939; June 16; Serial No. 374,468; published Apr. 7, 1936.

CLASS 47

Wine. California Wine Association. 108,980; renewed Mar. 14, 1936.
Wines. Vineyardists, Inc. 335,963; June 16.
Wines. Edward Young & Co. Limited. 335,925; June 16; Serial No. 364,799; published Apr. 7, 1936.

CLASS 48

Malt beverages. Frankenmuth Brewing Company. 335,974; June 16.

CLASS 49

Alcohol, Grain. Pacific Distillers, Inc. 335,755; June 16; Serial No. 374,899; published Apr. 7, 1936.
Alcohol, rums, brandies, etc., Ethyl. José Arechabala, S. A. 335,867; June 16; Serial No. 359,195; published Apr. 7, 1936.
Alcohol, rums, brandies, etc., Ethyl. José Arechabala, S. A. 335,868; June 16; Serial No. 359,193; published Apr. 7, 1936.
Cocktails. Popper-Morson Co. Inc. 335,887; June 16; Serial No. 369,417; published Oct. 29, 1935.
Cognac. Roullet & Co. 335,842; June 16; Serial No. 374,302; published Apr. 7, 1936.
Gin. D. J. Bielsoff Products Company. 335,841; June 16; Serial No. 374,321; published Apr. 7, 1936.
Gin, sloe gin, whiskey, etc., Dry. Ben-Burk, Inc. 335,875; June 16; Serial No. 372,455; published Apr. 7, 1936.
Gin, whiskey, brandy, etc. Old Collins Company, Inc., Distillers. 335,818; June 16; Serial No. 370,476; published Apr. 7, 1936.
Liqueurs. Société à Responsibilité Limitée Cointreau. 335,806; June 16; Serial No. 372,289; published Apr. 7, 1936.
Rum. Justo Gonsáles y Cia., S. A. 335,874; June 16; Serial No. 372,475; published Apr. 7, 1936.
Rums, brandies, and whiskies. José Arechabala, S. A. 335,919; June 16; Serial No. 362,285; published Apr. 7, 1936.
Whiskey. American Distilling Company. 335,724; June 16; Serial No. 366,792; published Sept. 3, 1935.
Whiskey. J. A. Berson. 335,782; June 16; Serial No. 374,510; published Apr. 7, 1936.
Whiskey. Brasy Liquor Co. 335,917; June 16; Serial No. 372,347; published Apr. 7, 1936.
Whiskey. J. W. Flood. 335,825; June 16; Serial No. 373,324; published Apr. 7, 1936.
Whiskey. Glenmore Distilleries Company. 335,882; June 16; Serial No. 369,696; published Dec. 10, 1935.
Whiskey. Gooderham & Worts Limited. 335,815; June 16; Serial No. 370,800; published Dec. 31, 1935.
Whiskey. A. Lyon. 335,960; June 16; Serial No. 374,418; published Apr. 7, 1936.
Whiskey. H. Mottsman. 335,732; June 16; Serial No. 374,977; published Apr. 7, 1936.
Whiskey. Oldetyme Distillers, Inc. 335,739; June 16; Serial No. 374,936; published Apr. 7, 1936.
Whiskey. Pacific Distillers, Inc. 335,740; June 16; Serial No. 374,900; published Apr. 7, 1936.
Whiskey. Joseph H. Reinfeld, Inc. 335,778; June 16; Serial No. 373,430; published Apr. 7, 1936.
Whiskey. St. Louis Crystal Water & Soda Co. 335,871; June 16; Serial No. 372,689; published Apr. 7, 1936.
Whiskey. Fred Wolferman, Incorporated. 335,865; June 16; Serial No. 359,831; published Apr. 7, 1936.
Whiskey and gin. Alexander E. Fritz, Inc. 335,765; June 16; Serial No. 373,605; published Apr. 7, 1936.
Whiskey, gin, brandy, etc. Majestic Distilling Company, Inc. 335,938; June 16; Serial No. 374,469; published Apr. 7, 1936.
Whiskey, gin, brandy, etc. Records & Goldsborough, Incorporated. 335,936; June 16; Serial No. 374,480; published Apr. 7, 1936.
Whiskey, gin, rum, etc. T. J. Pendergast Wholesale Liquor Co. 335,741; June 16; Serial No. 374,798; published Apr. 7, 1936.
Whiskey, gin, rum, etc. T. J. Pendergast Wholesale Liquor Co. 335,749; June 16; Serial No. 374,846; published Apr. 7, 1936.
Whisky. Schieffelin & Co. 335,800; June 16; Serial No. 374,765; published Apr. 7, 1936.
Whisky, Scotch liqueur. Drambuie Liqueur Company (1927) Limited. 335,823; June 16; Serial No. 378,369; published Apr. 7, 1936.

CLASS 50

Boards, Dress shaping. S. I. Millman. 335,897; June 16; Serial No. 374,151; published Apr. 7, 1936.
Brooders and parts thereof, Electrically heated. L. Hawkins. 335,927; June 16; Serial No. 374,333; published Apr. 7, 1936.
Fabric, Moisture-proof interleaving. Irvington Varnish & Insulator Company. 335,886; June 16; Serial No. 369,489; published Apr. 7, 1936.
Fly-killers or hand devices for killing flies and other insects. United States Wire Mat Company. 113,458; renewed Oct. 17, 1936.
Textiles, Waterproof and element proof. General Felt Products, Inc. 335,830; June 16; Serial No. 373,209; published Apr. 7, 1936.

LIST OF LABELS

Al-K-Hall. For Blended or Spirit Whiskey. Sterling Wine & Liquor Corporation. 47,562; June 16.
American Beauty Creamery. For Butter. Kosciusko Creamery. 47,542; June 16.
"B" Happy. For Beer. Southern Breweries, Inc. 47,557; June 16.
Ballantine's Bock Beer. For Bock Beer. P. Ballantine & Sons. 47,534–5; June 16.
Beech-Nut Cheese Wafers. For Cheese Wafers. Beech-Nut Packing Company. 47,536; June 16.
Belle Vogue. For Shoes. J. T. Grogan. 47,540; June 16.
Big Business. For a Game. Transogram Company. 47,570; June 16.
Chase and Sanborn Dated. For Coffee. Standard Brands Incorporated. 47,558; June 16.
Chesterfield. For Ginger Ale. Bon-Ton Beverages, Incorporated. 47,537; June 16.
Coffee. For Coffee. Thomas M. Royal & Co. 47,553–5; June 16.
Cosmos Hair Remedy. For a Remedy for Baldness. N. Hicks. 14,500; renewed Nov. 17, 1936.
Creamy Top Brand. For Sloe Gin. Sterling Wine & Liquor Corporation. 47,566; June 16.
Cuckoo. For Fresh Citrus Fruits. Eagle Lake Fruit Growers Association. 47,538; June 16.
Furnas Ice Cream No. 466 A-B-P. For Ice Cream. Sutherland Paper Company. 47,567; June 16.
Green Mill. For Straight Bourbon Whiskey. Sterling Wine & Liquor Corporation. 47,563; June 16.
Holsum Raisin Loaf. For a Raisin Loaf. W. E. Long Co. 47,544; June 16.
Iceland Breeze Skin Lotion. For Skin Lotion. Master Chemical Company. 47,545; June 16.
Insekto Spray—a Garden Insecticide. For a Garden Insecticide. McCormick & Co. 47,546; June 16.
Johnson Vanishing Creme. For Vanishing Cream. G. G. Johnson. 47,541; June 16.
Lemon-Koke. For a Soft Drink. Reichard-McConnell. 47,552; June 16.
Minnesota Club Brand. For Apricot Liqueur with Brandy. Sterling Wine & Liquor Corporation. 46,561; June 16.
Minnesota Club Brand Sloe Gin Liqueur for the Creamy Top Fizz or Rickey. For Sloe Gin Liqueur. Sterling Wine & Liquor Corporation. 47,560; June 16.
Miracle Hair Restorer. For a Hair Restorer. Mrs. N. C. Watt. 47,573; June 16.
Monarch. For Beer. Monarch Brewing Company. 47,548; June 16.
Monarch. For Bock Beer. Monarch Brewing Company. 47,547; June 16.
Morrissey. For Straight California Brandy. Sterling Wine & Liquor Corporation. 47,559; June 16.
Moth Gas-Vaporizer. For Solid, Crystalline Product of Vaporized Material for Killing Moths. Lewy Chemical Co. 47,543; June 16.
Newerking. For a Cleaning Fluid. Newerking Cleaning Fluid Co. Inc. 47,549; June 16.
Peacock's. For a Preparation for the Hair and Scalp. W. S. Peacock. 47,550; June 16.
Pixie. For Toilet Paper. Tennessee Tissue Mills. 47,568; June 16.
Rath's Chili Con Carne with Beans. For Chili Con Carne with Beans. Rath Packing Company. 47,551; June 16.
Rush Creek. For Straight Bourbon Whiskey. Sterling Wine & Liquor Corporation. 47,564; June 16.
Sani-Save. For Bib Towels. Sani-Save Inc. 47,556; June 16.
Settlesit Bag. For Preparation for Clarifying Black, Sooty Cistern Water. L. L. Frank. 47,539; June 16.
Ship-Shape. For Bathroom Paper. Tennessee Tissue Mills. 47,569; June 16.
Sterling Creamy Top Brand Sloe Gin. For Sloe Gin. Sterling Wine & Liquor Corporation. 47,565; June 16.
Treesweet. For Canned Lemon Juice. Treesweet Products Co. 47,571; June 16.
Vogt's Delicious Sliced Bacon. For Bacon. F. G. Vogt & Sons, Incorporated. 47,572; June 16.

LIST OF PRINTS

Almost Here with Handfuls of Dollar Bills for Wrigley Gum Users. For Chewing Gum. Wm. Wrigley Jr. Company. 15,727; June 16.
Beginning Tomorrow Dollar Bills will be Paid to Learn how You like Wrigley's Gum. For Chewing Gum. Wm. Wrigley Jr. Company. 15,722; June 16.
Coming Handfuls of Dollar Bills for Wrigley Gum Users. For Chewing Gum. Wm. Wrigley Jr. Company. 15,723; June 16.
Creme of Milk. For Facial Creme. Duart Sales Company. 15,719; June 16.
Dollar Bills for Wrigley Gum Users. For Chewing Gum. Wm. Wrigley Jr. Company. 15,732; June 16.
Dollar Bills still being Paid for Opinions of Wrigley's Gum. For Chewing Gum. Wm. Wrigley Jr. Company. 15,730; June 16.
Dollar Bills to Learn how You like Wrigley's Gum. For Chewing Gum. Wm. Wrigley Jr. Company. 15,731; June 16.
Get your Wrigley's Gum Here Now. For Chewing Gum. Wm. Wrigley Jr. Company. 15,733; June 16.
One more Day then Dollar Bills for Wrigley Gum Users. For Chewing Gum. Wm. Wrigley Jr. Company. 15,724; June 16.
On the Way to Pay Dollar Bills to Wrigley Gum Users. For Chewing Gum. Wm. Wrigley Jr. Company. 15,725; June 16.
Remember! Korjena Constantly Dissolves Fat. For a Pharmaceutical Preparation in Tablet Form for the Reduction of Excessive Fat. J. J. Gladke. 15,720; June 16.
Still in Town With Dollar Bills to Pay for Opinions of Wrigley's Gum. For Chewing Gum. Wm. Wrigley Jr. Company. 15,726; June 16.
Still Paying Dollar Bills to Learn how You like Wrigley's Gum. For Chewing Gum. Wm. Wrigley Jr. Company. 15,729; June 16.
They Continue to Pay Dollar Bills to Learn how You like Wrigley's Gum. For Chewing Gum. Wm. Wrigley Jr. Company. 15,728; June 16.
We Continue to Pay Dollar Bills to Learn how You like Wrigley's Gum. For Chewing Gum. Wm. Wrigley Jr. Company. 15,721; June 16.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 16TH DAY OF JUNE, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

American Can Company. (See Hothersall, John M., assignor.)
Barnes, Leon E., Westfield, N. J. Sorting machine. 20,003; June 16.
Bohn Aluminum & Brass Corporation. (See Nelson, Adolph L., assignor.)
Bohnsack, John A. (See Hauserman, E. F., Mowery, and Bohnsack.)
Bulldog Electric Products Company. (See Frank, H. J. L., and Harper, assignors.)
Canton, Allen A., New York, N. Y., assignor, by mesne assignments, to The Crosley Radio Corporation, Cincinnati, Ohio. Door construction for refrigerators. 20,004; June 16.
Carborundum Company, The. (See Prey, Arthur H., assignor.)
Crosley Radio Corporation, The. (See Canton, Allen A., assignor.)
Frank, Harrison J. L., and W. A. Harper, assignors to Bulldog Electric Products Company, Detroit, Mich. Duct for current distributing systems. 20,005; June 16.
Gallon Metallic Vault Company, The. (See Smith, Ralph E., assignor.)
Gilman, Lyle A., Sedan, Kans. Traffic control device. 20,006; June 16.
Hall, Carlos, Jr., assignor of one-half to H. H. Hallatt, Mexico, D. F., Mexico. Attachment for operating gate valves by means of fluid pressure from any desired distance. 20,007; June 16.
Hallatt, Harry H. (See Hall, Carlos, Jr., assignor.)
Harper, William A. (See Frank, H. J. L., and Harper.)
Hauserman, Earl F., Cleveland Heights, L. D. Mowery, Cleveland, and J. A. Bohnsack, Cleveland Heights, assignors to The E. F. Hauserman Company, Cleveland, Ohio. Wall structure. 20,008; June 16.
Hauserman, E. F., Company, The. (See Hauserman, E. F., Mowery, and Bohnsack, assignors.)
Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Drawing. 20,009; June 16.
Mowery, Leroy D. (See Hauserman, E. F., Mowery, and Bohnsack.)
Nelson, Adolph L., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich. Piston. 20,010; June 16.
Pelzer, Harry L., Houston, Tex., assignor to Sinclair Refining Company, New York, N. Y. Cracking and coking hydrocarbon oils. 20,011; June 16.
Prey, Arthur H., assignor to The Carborundum Company, Niagara Falls, N. Y. Rotary bonded abrasive articles. 20,012; June 16.
Sinclair Refining Company. (See Pelzer, Harry L., assignor.)
Smith, Ralph E., assignor to The Gallon Metallic Vault Company, Gallon, Ohio. Hydraulic hoist lever construction. 20,013; June 16.

LIST OF PLANT PATENTEES

Baker Bros. Company. (See Trauernicht, Erich C., assignor.)
Kistler, Robert H., Houston, Tex. Rose. Pl. Pt. 183; June 16.
Trauernicht, Erich C., assignor to Baker Bros. Company, Fort Worth, Tex. Pomegranate. Pl. Pt. 184; June 16.

LIST OF DESIGN PATENTEES

Adams, Everett E., M. P. Blomberg, W. H. Mussey, Chicago, Ill., and W. B. Stout, Detroit, Mich., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Articulated rail car or similar article. 100,000; June 16.
Adams, Everett E., M. P. Blomberg, W. H. Mussey, Chicago, Ill., and W. B. Stout, Detroit, Mich., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Rail car body. 100,001; June 16.
Adams, Everett E., M. P. Blomberg, W. H. Mussey, Chicago, Ill., and W. B. Stout, Detroit, Mich., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Rail car body. 100,002; June 16.
Alterson Co. (See Walsh, John J., assignor.)
Anderson, George W., Akron, Ohio. Tire. 99,981; June 16.
Arpels, Salomon dit C., assignor to Société Van Cleef & Arpels, Paris, France. Ring. 99,982; June 16.
Aull, Harry, assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa. Elastic fabric or similar article. 99,983; June 16.
Aull, Harry, assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa. Elastic fabric or similar article. 99,984; June 16.
Aull, Harry, assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa. Elastic fabric or similar article. 99,985; June 16.
Barbey, Jean W., St. Davids, Pa. Shoe. 99,986; June 16.
Bates, Hamilton C., Chester, Conn. Combined display and carrying case. 99,987; June 16.
Blomberg, Martin P. (See Adams, E. E., Blomberg, Mussey, and Stout.)
Brandies, Harold, Chicago, Ill. Radiator ornament. 99,988; June 16.
Brandies, Harold, Chicago, Ill. Automobile radiator ornament. 99,989; June 16.
Braude, Ben, Chicago, Ill. Globe pendulum clock. 99,990; June 16.
Brezner, Nathan, Newton, Mass. Leather or similar article. 9,990; June 16.
Bristol, Rudel M., Chicago, Ill. Transparent cap for electric light bulbs. 99,991; June 16.
Brittain, Harold A., Akron, Ohio, assignor to Mid-Continent Petroleum Corporation, Tulsa, Okla. Tire. 99,992; June 16.
Brooks, William H., Fairfax, Calif. Toasted bread. 99,993; June 16.
Brooks, William H., Fairfax, Calif. Toasted bread. 99,994; June 16.
Brooks, William H., Fairfax, Calif. Toasted bread. 99,995; June 16.
Brooks, William H., Fairfax, Calif. Toasted bread. 99,996; June 16.
Brunell, George A., Toronto, Ontario, Canada. Coat or similar article. 100,071; June 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 100,063; June 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 100,064; June 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 100,065; June 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 100,066; June 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 100,067; June 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 100,068; June 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 100,069; June 16.
Buma, Yukio, assignor to Morimura Bros. Inc., New York, N. Y. Plate or similar article. 100,070; June 16.
Caldwell, Edward F., & Co. Inc. (See Klehr, William, assignor.)
Carr-Lowrey Glass Co. (See Sheridan, James C., assignor.)
Conroy, Edward J., New Haven, assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. 100,005; June 16.
Derr, James M., Ripley, Ohio. Shoe. 100,006; June 16.
Dougherty, George, assignor to Morgantown Glass Works, Morgantown, W. Va. Glass goblet. 100,007; June 16.
Dover, Samuel M., Chicago, Ill. Stop and tail lamp lens. 100,008; June 16.
Dyke, Herbert G., Larchmont, N. Y. Ashtray or similar article of manufacture. 100,009; June 16.

Eastman Kodak Company. (See Ford, Henry L., assignor.)
Factor, Davis, assignor to Max Factor & Co., Los Angeles, Calif. Jar. 100,010; June 16.
Factor, Max, & Co. (See Factor, Davis, assignor.)
Fleischmann, Edwin M., Baltimore, assignor to Maryland Distillery, Inc., Relay, Md. Bottle. 100,011; June 16.
Florsheim Shoe Company, The. (See Levin, David E., assignor.)
Ford, Henry L., Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y. Stove. 100,012; June 16.
Fox, Jerome J., New York, N. Y. Glove. 100,072; June 16.
Franklin, Lester K., Chicago, Ill. Dancing figure ornament. 100,013; June 16.
Frick, Chester A., assignor to Glascock Brothers Mfg. Co., Muncie, Ind. Refrigerator cabinet. 100,073; June 16.
Friedberger-Aaron Manufacturing Company. (See Aull, Harry, assignor.)
Fuerst, Edwin W., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Jar. 100,014; June 16.
Glascock Brothers Mfg. Co. (See Frick, Chester A., assignor.)
Godshalk, Clarence A., Ardmore, Pa., assignor to Godshalk Company, Philadelphia, Pa. Lighting fixture. 100,015; June 16.
Godshalk Company. (See Godshalk, Clarence A., assignor.)
Goldsmith, Leonard A., assignor to P. T. Goldsmith, Chicago, Ill. Candlestick or similar article. 100,016; June 16.
Goldsmith, Pearl T. (See Goldsmith, Leonard A., assignor.)
Gottschalk, Lionel J., New Orleans, La. Combination storage and refrigerator cabinet. 100,017; June 16.
Graubner, Herman G., New York, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Flashlight. 100,074; June 16.
Griswold, Frank W., Minneapolis, Minn. Railway crossing signal. 100,018; June 16.
Griswold, Roger W., Erie, Pa. Ashtray. 100,021; June 16.
Gruen Watch Company, The. (See Katz, Benjamin S., assignor.)
Guth, Edwin F., Webster Groves, Mo. Illuminating fixture. 100,019; June 16.
Guth, Edwin F., Webster Groves, Mo. Illuminating fixture. 100,020; June 16.
Hammond Machinery Builders, Inc. (See van Doren, Harold L., assignor.)
Henderson, Roe P., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Burial vault handle. 100,022; June 16.
Henderson, Roe P., assignor to The Springfield Metallic Casket Company, Springfield, Ohio. Grave vault. 100,023; June 16.
Hutchinson, Allen H., Hamilton Square, N. J. Shell ashtray. 100,024; June 16.
Idealite, Inc. (See Laxer, Harry M., assignor.)
International Silver Company. (See Conroy, Edward J., assignor.)
Jacobs, F. L., Company. (See Visser, John, assignor.)
Jepson, Tinsley T., Neenah, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis. Paper pail or the like. 100,025; June 16.
Katz, Benjamin S., assignor to The Gruen Watch Company, Cincinnati, Ohio. Watch display box. 100,026; June 16.
Klehr, William, Forrest Hills, N. Y., assignor to Edward F. Caldwell & Co. Inc., New York, N. Y. Lamp or similar article. 100,027; June 16.
Klehr, William, Forrest Hills, assignor to Edward F. Caldwell & Co. Inc., New York, N. Y. Lamp or similar article. 100,028; June 16.
Klehr, William, Forrest Hills, assignor to Edward F. Caldwell & Co. Inc., New York, N. Y. Lamp or similar article. 100,029; June 16.
Koudelka, Emil, New York, N. Y. Photographic mount. 100,030; June 16.
Krummeck, Elsie, Brooklyn, N. Y., assignor to J. H. Lester & Co. Incorporated, New York, N. Y. Display figure or analogous article. 100,075; June 16.
Laxer, Harry M., assignor to Idealite, Inc., New York, N. Y. Lamp base or similar article. 100,031; June 16.
Lester, J. H., & Co. Incorporated. (See Krummeck, Elsie, assignor.)
Levin, David E., New York, N. Y., assignor to The Florsheim Shoe Company, Chicago, Ill. Shoe or similar article. 100,032; June 16.
Levy, Lester, San Francisco, Calif. Game board. 100,033; June 16.
Lipman, Samuel, New York, N. Y. Coat. 100,076; June 16.
Luft, Michael, assignor to Mohawk Liqueur Corporation, Detroit, Mich. Bottle. 100,077; June 16.
Marathon Paper Mills Company. (See Jepson, Tinsley T., assignor.)
Maryland Distillery, Inc. (See Fleischmann, Edwin M., assignor.)
McCormick, Fred W., Grand Rapids, Mich. Drawer handle. 100,034; June 16.
Messing Bakeries Incorporated. (See Messing, Morris, assignor.)
Messing, Morris, New York, assignor to Messing Bakeries Incorporated, Brooklyn, N. Y. Carton. 100,035; June 16.
Mid-Continent Petroleum Corporation. (See Brittain, Harold A., assignor.)
Mohawk Liqueur Corporation. (See Luft, Michael, assignor.)
Morgan, John R., Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill. Cook stove. 100,078; June 16.
Morgantown Glass Works. (See Dougherty, George, assignor.)
Morimura Bros. Inc. (See Buma, Yukio, assignor.)
Mullen, Mary, assignor to Rosenau Bros. Inc., Philadelphia, Pa. Dress. 100,079; June 16.
Murray, Frank, West Leesport, assignor to The Narrow Fabric Company, West Reading, Pa. Elastic fabric. 100,036; June 16.
Mussey, William H. (See Adams, E. E., Blomberg, Mussey, and Stout.)
Nagel-Chase Mfg. Co., The. (See Schultz, Edward, assignor.)
Naidor, George, Jersey City, N. J. Shoe. 100,037; June 16.
Narrow Fabric Company, The. (See Murray, Frank, assignor.)
O'Brien, William F., New Rochelle, N. Y. Bow for a shoe. 100,038; June 16.
Olean Glass Company. (See Smith, George, Jr., assignor.)
Owens-Illinois Glass Company. (See Fuerst, Edwin W., assignor.)
Pedlar, Sylvia S., New York, N. Y. Negligee. 100,080; June 16.
Perry, Joil, New York, N. Y. Cocktail drinking glass. 100,039; June 16.
Petersen, Peter C., assignor to Viking Pump Company, Cedar Falls, Iowa. Rotary pump and reversible head combination. 100,040; June 16.
Pullman-Standard Car Manufacturing Company. (See Adams, E. E., Blomberg, Mussey, and Stout, assignors.)
Quinn, John E., Philadelphia, Pa. Stocking. 100,004; June 16.
Rauch, Charles F., St. Louis, Mo. Chair frame or similar article. 100,041; June 16.
Richardson, Robert L., Napa, Calif. Commodity dispenser. 100,042; June 16.
Ridewood, Harold E., Victoria, British Columbia, Canada. Combined cigarette holder, ashtray, and extinguisher. 100,043; June 16.
Robertson, H. H., Company. (See Wiesmann, Joseph W., assignor.)
Rosenau Bros. Inc. (See Mullen, Mary, assignor.)
Sadinoff, Max, New York, N. Y. Mesh fabric for a curtain or similar article. 100,044; June 16.
Sadinoff, Max, New York, N. Y. Mesh fabric for a curtain or similar article. 100,045; June 16.
Sadinoff, Max, New York, N. Y. Mesh fabric for a curtain or similar article. 100,046; June 16.
Schultz, Edward, assignor to The Nagel-Chase Mfg. Co., Chicago, Ill. Smoking stand. 100,047; June 16.
Schultz, Edward, assignor to The Nagel-Chase Mfg. Co., Chicago, Ill. Smoking stand. 100,048; June 16.
Schultz, Edward, assignor to The Nagel-Chase Mfg. Co., Chicago, Ill. Smoking stand. 100,049; June 16.
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Sheridan, James C., San Francisco, Calif., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Bottle. 100,050; June 16.
Siegerman, Charles, New York, N. Y. Coat. 100,051; June 16.
Simons, Michael, Brooklyn, N. Y. Shoe. 100,052; June 16.
Smith, Charles W., Rochester, N. Y. Shoe. 100,053; June 16.
Smith, George, Jr., assignor to Olean Glass Company, Olean, N. Y. Bottle. 100,054; June 16.
Smith, George, Jr., assignor to Olean Glass Company, Olean, N. Y. Bottle. 100,055; June 16.
Société Van Cleef & Arpels. (See Arpels, Salomon dit C., assignor.)
Springfield Metallic Casket Company, The. (See Henderson, Roe P., assignor.)
Stout, William B. (See Adams, E. E., Blomberg, Mussey, and Stout.)
Union Carbide and Carbon Corporation. (See Graubner, Herman G., assignor.)
Van Doren, Harold L., Toledo, Ohio, assignor to Hammond Machinery Builders, Inc. Combined housing and base for a power tool machine or similar article. 100,081; June 16.
Vaughan & Bushnell Mfg. Co. (See Vaughan, Howard A., assignor.)
Vaughan, Howard A., Evanston, assignor to Vaughan & Bushnell Mfg. Co., Chicago, Ill. Axe head. 100,056; June 16.
Viking Pump Company. (See Petersen, Peter C., assignor.)
Visser, John, Grand Rapids, assignor, by mesne assignments, to F. L. Jacobs Company, Detroit, Mich. Ash receiver. 100,057; June 16.
Walsh, John J., St. Louis, Mo., assignor to Alterson Co., Inc., New York, N. Y. Buckle. 100,058; June 16.
Walsh, John J., St. Louis, Mo., assignor Alterson Co., Inc., New York, N. Y. Buckle. 100,059; June 16.

Walsh, John J., St. Louis, Mo., assignor to Alterson Co., Inc., New York, N. Y. Buckle. 100,060; June 16.
Walsh, John J., St. Louis, Mo., assignor to Alterson Co., Inc., New York, N. Y. Buckle. 100,061; June 16.
Walsh, John J., St. Louis, Mo., assignor to Alterson Co., Inc., New York, N. Y. Buckle. 100,062; June 16.
Wertheim, Adolph, New York, N. Y. Shoe or similar article. 99,997; June 16.
Wertheim, Adolph, New York, N. Y. Shoe or similar article. 99,998; June 16.
Wiesmann, Joseph W., assignor to H. H. Robertson Company, Pittsburgh, Pa. Electrical floor fitting. 100,082; June 16.
Zuckerman, Martin, Cincinnati, Ohio. Shoe. 100,003; June 16.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 16TH DAY OF JUNE, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbey, Archie L., Flagstone, British Columbia, Canada. Gate. 2,044,658; June 16.
Abbott, Robert N., Philadelphia, Pa., assignor to Manifold Vacuum Valve Corporation. Auxiliary air inlet valve. 2,044,342; June 16.
Aborn, Robert H. (See Bain, E. C., and Aborn.)
Acme Tank Cleaning Process Corporation. (See Olsson, Bengt, assignor.)
Adams, Arthur H., Yonkers, N. Y. Liquid treating masses of fibers and other fine solids. 2,044,458; June 16.
Adams, James L., Jr., assignor to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Shaping method and apparatus. 2,044,042; June 16.
Adams, John Q., Columbus, Ohio. Collapsible frame structure for tents. 2,044,659; June 16.
Agfa Ansco Corporation. (See Schmidt, Richard, assignor.)
Air Reduction Company. (See Anderson, James L., assignor.)
Air Reduction Company. (See Balcar, Frederick R., assignor.)
Air Reduction Company. (See Wilkinson, Walter, assignor.)
Aktiebolaget Spontan. (See Ljungström, Fredrik, assignor.)
Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Transmission mechanism. 2,044,660; June 16.
Alden, Herbert W., and L. R. Buckendale, assignors to The Timken-Detroit Axle Company, Detroit, Mich. Automotive vehicle. 2,044,196; June 16.
Alder, Jenness A. (See Alder, William F., assignor.)
Alder, William F., assignor, by mesne assignments, to J. A. Alder, Altadena, Calif. Apparatus for determining amplitude of sound. 2,043,983; June 16.
Alder, William F., assignor, by mesne assignments, to J. A. Alder, Altadena, Calif. Portable closed chamber determination of sound absorption. 2,043,984; June 16.
Alpina Immobilien-Finanzierungs & Verwaltungs A. G. (See Korbuly, Károly, assignor.)
Allgemeine Elektricitatz Gesellschaft. (See Brüche, Ernst, assignor.)
Allied Engineering Company. (See Schmidt, Erwin J., assignor.)
Allis-Chalmers Manufacturing Company. (See Newhouse, Ray C., assignor.)
Altieri, Alexander, Philadelphia, Pa. Water heater. 2,044,237; June 16.
Aluminum Company of America. (See Derr, R. B., and Callis, assignors.)
Aluminum Company of America. (See Handler, Alfred A., assignor.)
Alvord, Clayton H., Hastings, assignor to Tridex Machine Corporation, New York, N. Y. Method and apparatus for treating surfaces. 2,044,557; June 16.
American Cyanamid & Chemical Corporation. (See Jaeger, Alphons O., assignor.)
American Cyanamid Company. (See Clark, Cyril B., assignor.)
American District Steam Company. (See Hall, Robert, assignor.)
American Enka Corporation. (See Hubbeling, Johan D. W., assignor.)
American Sealcone Corporation. (See Jones, Ellis L., assignor.)
American Seating Company. (See Morgan, E. B., and Hanson, assignors.)
American Sterilizer Company. (See Jewell, Raymond L., assignor.)
American Telephone and Telegraph Company. (See Edwards, P. G., and Clutts, assignors.)
American Telephone and Telegraph Company. (See Green, Irving W., assignor.)
American Telephone and Telegraph Company. (See Swart, Leland K., assignor.)
Anaconda Copper Mining Company. (See Harrison, Charles A., assignor.)
Anaconda Copper Mining Company. (See Yates, Charles E., assignor.)
Anderson, Howard P., Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Locomotive stoker. 2,044,043; June 16.
Anderson, Howard P., Erie, Pa., assignor to The Standard Stoker Company, Incorporated. Fuel distributor. 2,044,601; June 16.
Anderson, James L., Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y. Manufacture of pipe or tubing. 2,044,491; June 16.
Andrews & Goodrich, Inc. (See Hansen, Edwin H., assignor.)

Angeloni, Ernesto, Rome, Italy. Gyroscopic device. 2,044,343; June 16.
Animated Match Company, The. (See Gold, Meyer, assignor.)
Anthony Development Company. (See Anthony, William C., assignor.)
Anthony, William C., assignor to Anthony Development Company, Streator, Ill. Pump. 2,044,044; June 16.
Archer-Daniels-Midland Company, et al. (See Long, J. S., and Ball, assignors.)
Arlington Mills. (See Arragg, George M., assignor.)
Armbruster, John W., East Rockaway, N. Y. Automatic selection device. 2,044,143; June 16.
Armstrong, Percy A. E., Beverly Hills, Calif., and R. R. Rogers, New York, N. Y.; said Rogers assignor to said Armstrong. Composite ferrous bodies. 2,044,742; June 16.
Arragg, George M., assignor to Arlington Mills, Lawrence, Mass. Stop motion. 2,044,238; June 16.
Atwell, Harold V., White Plains, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J. Coking hydrocarbon liquids. 2,044,416; June 16.
Austin, Bascum O. (See Brooks, R. R., Willby, and Austin.)
Auto Research Corporation. (See Bell, William D., assignor.)
Automatic Reclosing Circuit Breaker Company, The. (See Raney, Estel C., assignor.)
Automatic Sprinkler Company of America. (See Lowe, Ernest A., assignor.)
Babcock & Wilcox Company, The. (See Fletcher, James, assignor.)
Back, Leonard, assignor to Iver Johnson's Arms & Cycle Works, Fitchburg, Mass. Exercising device for use in connection with bicycles. 2,043,977; June 16.
Bagley, James W., Fayetteville, Tenn. Plotting machine and making maps with aerial photographs. 2,044,114; June 16.
Bagnall, Vernon B., East Orange, N. J. Rotary tooth brush. 2,044,344; June 16.
Bailey, Joshua, West Bromwich, England. Type rack. 2,044,144; June 16.
Bain, Edgar C., and R. H. Aborn, Short Hills, N. J., assignors to United States Steel Corporation, New York, N. Y. Treating austenitic steel. 2,044,743; June 16.
Baker Oil Tools, Inc. (See Burt, Clarence E., assignor.)
Balcar, Frederick R., Stamford, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y. Production of alcohols. 2,044,417; June 16.
Baldwin, Alfred W., and A. H. Knight, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. N,N-dialkylol anilines and producing same. 2,044,045; June 16.
Baldwin, John D., Jr., assignor, by mesne assignments, to The Weatherhead Company, Cleveland, Ohio. Control assembly. 2,044,492; June 16.
Ball, Albert P. (See Webber, Thomas M., assignor.)
Ball, George L., Jr. (See Long, J. S., and Ball.)
Ball, John H., Abilene, Tex. Road striping machine. 2,044,558; June 16.
Balster, Albert, Chicago, Ill. Table mounting for calculating machines. 2,044,559; June 16.
Band Box Corporation, The. (See Pugh, Earl C., assignor.)
Barab, Jacob, assignor to Hercules Powder Company, Wilmington, Del. Blasting cartridge. 2,044,345; June 16.
Barbareschi, Carlo, Milan, Italy. Pump for gaseous fluids. 2,044,560; June 16.
Barber, Howard M., Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Sheet collecting and folding mechanism for printing presses. 2,044,459; June 16.
Barber, Jesse, Pullman, Wash. Grain separator. 2,043,978; June 16.
Barkelew, James T., Pasadena, and H. E. Scantlebury, Altadena, assignors to John Grant, Los Angeles, Calif. Well cleaning device. 2,043,979; June 16.
Barnard, Arthur E., Waterbury, and W. E. Messer, Cheshire, Conn., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y. Mixtures of natural rubber latex and aqueous dispersions of reclaimed rubber. 2,044,046; June 16.
Barnby, Herbert A., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Container and closure device therefor. 2,044,602; June 16.
Barnes Drill Company. (See Johnson, Albert M., assignor.)
Barrett Company, The. (See Woodcock, Joseph C., assignor).
Barrett Company, The. (See Yeager, Frank W., assignor.)

Barthel, Hermann, Schweinfurt-on-the-Main, Germany. Roller clutch. 2,044,197; June 16.
Bartholomew, Tracy, Pittsburgh, Pa. Manufacture of cast slag articles. 2,044,198; June 16.
Bartholomew, Tracy, Pittsburgh, Pa. Treatment of slag. 2,044,199; June 16.
Bartram, William B., Ottawa, Ontario, Canada, and J. H. Larmuth, Hill Crest, Upper Colwyn Bay, North Wales. Machine for scutching short fibers of flax, jute, hemp, asbestos, and other short fibers. 2,044,460; June 16.
Bashur, Kenneth, Aurora, Colo. Ashtray. 2,044,377; June 16.
Bates, Mortimer F. (See Sperry, E. A., Jr., Carlson, and Bates.)
Baxenden, Thomas G. (See Collyear, John R., assignor.)
Bayerische Stickstoff-Werke, Aktiengesellschaft. (See Heimann, Hugo, assignor.)
Bayley Blower Company. (See Szekely, Ernest, assignor.)
Beard, Earl E., Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. 1-nitroanthraquinonyl-6-amino compounds and their production. 2,043,985; June 16.
Beard, Joseph G., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Crystal holder. 2,044,145; June 16.
Beatty, George W. (See Conlon, T. A., and Beatty.)
Beck, Norman R., assignor to Carr-Lowrey Glass Co., Baltimore, Md. Producing a neck finish with a thread hang-up. 2,044,115; June 16.
Beck, Rudolf, assignor to Consolidated Ashcroft Hancock Company, Inc., Bridgeport, Conn. Controlling heat exchange apparatus. 2,044,461; June 16.
Becker, Walter, Jr., Racine, Wis. Auto paint refinish. 2,044,493; June 16.
Belefant, Benjamin, and H. Hassan, New York, N. Y. Garment hanger. 2,044,346; June 16.
Bell, Charles W., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,044,241; June 16.
Bell Telephone Laboratories, Incorporated. (See Bobis, Stephen, assignor.)
Bell Telephone Laboratories, Incorporated. (See Crawford, Arthur B., assignor.)
Bell Telephone Laboratories, Incorporated. (See Cummings, George C., assignor.)
Bell Telephone Laboratories, Incorporated. (See Heising, Raymond A., assignor.)
Bell Telephone Laboratories, Incorporated. (See Samuel, Arthur L., assignor.)
Bell Telephone Laboratories, Incorporated. (See Wheeler, Clyde H., assignor.)
Bell, William D., Columbus, Ohio, assignor, by mesne assignments, to Auto Research Corporation. Apparatus for lubricating. 2,043,986; June 16.
Bellanca, Giuseppe M., New Castle, Del. Fuselage construction. 2,043,980; June 16.
Belmont Hosiery Company. (See Stroud, Paul G., assignor.)
Bennett, Harry T., assignor to Mid-Continent Petroleum Corporation, Tulsa, Okla. Making high viscosity index oils. 2,044,603; June 16.
Bentz, Jacob, Bismarck, N. Dak. Tool chest. 2,044,661; June 16.
Bergner, Luther F., assignor of one-half to A. B. Day, Washington, Pa. Support and retainer for folding chair seats. 2,044,378; June 16.
Bernard, Hans. (See Ott, K., Bernard, and Frick.)
Bernarde, Henry L., Kearny, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control system. 2,044,146; June 16.
Bertram, Urban J., Milwaukee, Wis. Corn or bunion preventer. 2,044,523; June 16.
Betner, Benjamin C., Company. (See Koenig, John, assignor.)
Beuther Annemairie. (See Hackhofer, E., and Beuther.)
Bibb Manufacturing Company. (See Murphy, Henry J., assignor.)
Bichowsky, Francis R. (See Rosett, W., and Bichowsky.)
Bickel, Travis W., Alva, Okla. Curtain control mechanism. 2,043,981; June 16.
Bidle, William S., Cleveland Heights, Ohio. Steel treating. 2,044,561; June 16.
Billig, Kurt. (See Schirmacher, K., Schaich, Wolfram, Tampke, Billig, and Schirmacher.)
Bissell, David J. (See Perkins, Lester C., assignor.)
Björklund, Gustaf E. (See Dalén, G., and Björklund.)
Blanchard, Edwin S., assignor to United-Car Fastener Corporation, Cambridge, Mass. Slide fastener. 2,044,662; June 16.
Blauvelt, Fred K. (See Holiday, E. W., and Blauvelt.)
Bletz, Edward, Lexington, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Remote control thermostat. 2,044,147; June 16.
Bliss, Harvey N., Hartford, Conn., assignor to Veeder-Root, Incorporated. Counting mechanism. 2,044,200; June 16.
Bliss, Harvey N., Hartford, Conn., assignor to Veeder-Root, Incorporated. Key stroke counter. 2,044,201; June 16.
Bliss, Harvey N., Hartford, Conn., assignor to Veeder-Root, Incorporated. Key stroke counting mechanism. 2,044,202; June 16.
Bluemel, Gustave, Chicago, Ill. Air heater. 2,044,715; June 16.

Bobis, Stephen, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave transmission network. 2,044,047; June 16.
Boeing Aircraft Company. (See Wells, Edward C., assignor.)
Boeye, Paul F., assignor to Waldorf Paper Products Company, St. Paul, Minn. Container. 2,044,048; June 16.
Böhm, Hermann. (See Pätzold, J., and Böhm.)
Bolidens Gruvaktiebolag. (See Stalbane, Johan B., assignor.)
Bostwick, Myron A., North Arlington, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Network protector. 2,044,148; June 16.
Bowers, Andrew F., et al. (See Smith, Alva T., assignor.)
Bowser, S. F., & Company. (See Griffith, Clement P., assignor.)
Boyd, Maurice C., et al. (See Dietz, Valentine, assignor.)
Boykin, Burwell, Jr., Beaumont, Tex., assignor to International Derrick & Equipment Company. Oil field rotary. 2,044,203; June 16.
Bradley, Fred J. (See Bradley, Richard C., assignor.)
Bradley, Richard C., Brooklyn, assignor of one-half to F. J. Bradley, St. Albans, N. Y. Register frame. 2,044,049; June 16.
Bradley, Richard C., New York, assignor of one-half to F. J. Bradley, St. Albans, N. Y. Balanced diaphragm system and meter utilising the same. 2,044,050; June 16.
Brennan, Joseph B., Fort Wayne, Ind. Piston. 2,044,379; June 16.
Brice, Bryan F. and P. B., Cook County, Ill. Making molded cementitious materials. 2,044,204; June 16.
Brice, Paul B. (See Brice, Bryan F. and P. B.)
Bridgeport Machine Company, The. (See Holiday, E. W., and Blauvelt, assignors.)
Bridgeport Thermostat Company. (See Mantle, Joseph G. C., assignor.)
Briggs Manufacturing Company. (See Tjaarda, John, assignor.)
Briscoe, James W., Santa Barbara, Calif. Concrete block. 2,044,051; June 16.
Broadley, Joseph, Fair Oaks, Calif. Swivel hose coupling. 2,044,052; June 16.
Brock, Oral A., Peoria, Ill. Dirt set corner post. 2,044,053; June 16.
Brodin, Eric C., Jenkintown, assignor to S K F Industries, Inc., Philadelphia, Pa. Cage for antifriction bearings. 2,044,663; June 16.
Brooks, Ralph R., and N. H. Willby, Wilkinsburg, and B. O. Austin, Forest Hills, Pa., assignor to Westinghouse Electric and Manufacturing Company. Automatic control system. 2,044,149; June 16.
Brostrom, Charles G., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 2,044,054; June 16.
Brown Company. (See Moore, Hugh K., assignor.)
Brown, Edward G., Denison, Tex. Insect screen. 2,044,664; June 16.
Brown, George B., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Structural unit. 2,043,987; June 16.
Brown, George B., Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y. Lightweight unit. 2,043,988; June 16.
Brown, Thomas I. (See Pearson, W. J., and Brown.)
Brüche, Ernst, Berlin-Reinickendorf, assignor to Allgemeine Elektricitatz Gesellschaft, Berlin, Germany. Electron tube. 2,044,347; June 16.
Brumbaugh, Andrew K., assignor to The White Motor Company, Cleveland, Ohio. Motor vehicle control. 2,044,055; June 16.
Bruneau, Beecher, Detroit, Mich. Valve for gas torches. 2,043,982; June 16.
Bruner, Martin R., Wapakoneta, Ohio. Plow. 2,044,205; June 16.
Bryant, Forrest L., New York, N. Y. Refrigeration and apparatus therefor. 2,044,750; June 16.
Bucher, Ernst, Zurich, Switzerland, assignor to the firm Mauser-Werke A-G, Oberndorf-on-the-Neckar, Wurttemberg, Germany. Method of and machine for effecting combined fastening and seam covering stitches. 2,044,275; June 16.
Buckendale, Laurence R. (See Alden, H. W., and Buckendale.)
Bueno, Humberto L., New York, N. Y. Inking device for mimeograph machines. 2,044,462; June 16.
Bukolt, Roman B., Stevens Point, Wis. Container closure. 2,044,276; June 16.
Bukolt, Roman B., Stevens Point, Wis. Engine priming device. 2,044,277; June 16.
Bullard Company, The. (See Bullard, Edward C., assignor.)
Bullard Company, The. (See Schiltz, Bernard P., assignor.)
Bullard, Edward C., Fairfield, Conn., assignor to The Bullard Company. Metalworking. 2,044,494; June 16.
Bullard, Edward C., Fairfield, Conn., assignor to The Bullard Company. Metal working apparatus. 2,044,495; June 16.
Bullard, Edward C., Southport, Conn., assignor to The Bullard Company. Stationary tool metal working apparatus. 2,044,496; June 16.

Bullock, Frank, Lake Geneva, Wis., assignor to Middlebury Electric Clock Corporation, Chicago, Ill. Air condition indicator. 2,044,239; June 16.

Buquor, Adolph P., assignor to Martin-Parry Corporation, York, Pa. Gun carriage. 2,044,278; June 16.

Burgard, Charles R., assignor to The Nu Sise Company, Inc., Joliet, Ill. Waterproofing size and making same. 2,044,056; June 16.

Burghard, Edward G. (See Fourness, W., and Burghard.)

Burke, Stephen P., Morgantown, W. Va., assignor to Doherty Research Company, New York, N. Y. Apparatus for partial oxidation of hydrocarbons. 2,044,665; June 16.

Burney, Hugh W., Dallas, Tex. Multiple firing blasting apparatus. 2,044,666; June 16.

Burns, Jabez, & Sons, Inc. (See Keenan, Joseph H., assignor.)

Burt, Boulton & Haywood, Limited. (See Elphick, F. C., and Gray, assignors.)

Burt, Clarence E., Los Angeles, assignor to Baker Oil Tools, Inc., Huntington Park, Calif. Trap ring for core barrels. 2,044,067; June 16.

Burt, Leo O., Dearborn, Mich. Transmission controlling device. 2,044,463; June 16.

Bustamante, Alberto, Mexico, D. F., Mexico. Electrode holder. 2,044,058; June 16.

Caise, Charles, Brooklyn, N. Y. Dishwashing machine. 2,044,524; June 16.

Calcott, William S., and W. A. Douglass, Pennsgrove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Compounding rubber. 2,044,059; June 16.

Callis, Conral C. (See Derr, R. B., and Callis.)

Campbell, Wyant and Cannon Foundry Company. (See Dake, Charles W., assignor.)

Camps, Juan P., Sabadell, Spain. Automatic weft replenishing device. 2,044,206; June 16.

Canada Packers Limited. (See Stoyan, John, assignor.)

Carey, Harry L., Great Neck, N. Y. Neon illuminating unit for traffice indicators. 2,044,464; June 16.

Carleton, Paul W., Pennsgrove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of triphenyl-methane dyestuffs. 2,044,562; June 16.

Carlson, Bert G. (See Sperry, E. A., Jr., Carlson, and Bates.

Carlson, Bert G., Queens Village, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Artificial horizon. 2,044,150; June 16.

Carlson, Oscar F., assignor to Oscar F. Carlson Company, Chicago, Ill. Pressure and differential control. 2,044,465; June 16.

Carlson, Oscar F., Company. (See Carlson, Oscar F., assignor.)

Carmichael, Henry G., Cincinnati, Ohio. Purifying commercial carbon dioxide. 2,044,279; June 16.

Carr-Lowrey Glass Co. (See Beck, Norman R., assignor.)

Carter Carburetor Corporation. (See Kommer, Fred A., assignor.)

Carter, Mitchell, Los Angeles, Calif., assignor to General Electric Company. Grinding machine. 2,044,563; June 16.

Carter, Mitchell, Trenton, N. J., assignor to General Electric Company. Grinding machine. 2,044,564; June 16.

Case, J. I., Company. (See Rutter, Alvah H., assignor.)

Casella, Secondo L., assignor to Franklin Baker Company, New York, N. Y. Cocoanut paring machine. 2,044,418; June 16.

Cash, A. W., Company. (See Terry, Charles M., assignor.)

Celanese Corporation of America. (See Sowter, Percy F. C., assignor.)

Celanese Corporation of America. (See Taylor, William I., assignor.)

Central Scientific Company. (See Hornberger, Carl S., assignor.)

Chaffin, Clarence E., Longmeadow, Mass. Protector for thread packages. 2,044,207; June 16.

Chambers, Lloyd M. (See Pearce, Leo J., assignor.)

Chapple, John C., St. Louis, Mo. Locomotive arch. 2,044,348; June 16.

Chemical Works, formerly Sandoz. (See Rheiner, A., and Link, assignors.)

Chicago Lock Company. (See Shinn, William C., assignor.)

Chisholm, John. (See Wendt, C. M., and Chisholm.)

Christman, Charles E., San Francisco, Calif. Truss. 2,044,280; June 16.

Chrysler Corporation. (See Herreshoff, Alexander G., assignor.)

Chrysler Corporation. (See Lee, Roger K., assignor.)

Chrysler Corporation. (See Wallace, David A., assignor.)

Cincinnati Advertising Products Company, The. (See Mattman, Gustave F., assignor.)

Cincinnati Milling Machine Co., The. (See Sassen, Bernard, assignor.)

Clancy, John F., assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Automatic leveling device for elevators. 2,044,152; June 16.

Clark, Cyril B., Scarsdale, assignor to American Cyanamid Company, New York, N. Y. Production of sulphuric acid by the contact process. 2,044,419; June 16.

Clark, Edward D. W., Sheffield, England. Implement. 2,044,525; June 16.

Clark, J. L., Manufacturing Co. (See Kjellstrom, John H., assignor.)

Clark, J. L., Manufacturing Co. (See Mills, Wallace C., assignor.)

Clark, James d'A., and J. Traquair, Chillicothe, assignors to The Mead Corporation, Dayton, Ohio. Paper manufacture. 2,044,281; June 16.

Clarkson, Ralph P., New Rochelle, N. Y. Interlocking guard rail brace. 2,044,060; June 16.

Cleveland, Theodore K., Drexel Hill, assignor to Philadelphia Quartz Company, Philadelphia, Pa. Cleansing preparation. 2,044,467; June 16.

Cleveland, Theodore K., Drexel Hill, and W. Stericker, Swarthmore, assignors to Philadelphia Quartz Company, Philadelphia, Pa. Adhesive and method of bonding. 2,044,468; June 16.

Cleveland Trust Company, The, as trustee. (See Jardine, Frank, assignor.)

Clickner, Forest H., assignor to Kraft-Phenix Cheese Corporation, Chicago, Ill. Manufacture of casein. 2,044,282; June 16.

Clutts, Charles E. (See Edwards, P. G., and Clutts.)

Cobb, Leland D., Bristol, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Bearing and seal therefor. 2,044,890; June 16.

Coffing, Frederick W., Danville, Ill. Power application transformation for chain hoists. 2,044,505; June 16.

Collins, David J., Collinsville, Bowen Coalfield, Queensland, Australia. Lock nut. 2,044,667; June 16.

Collison, Edward E. (See Kirk, C. B., and Collison.)

Collyear, John R., Leverno, Bushey, assignor of one-half to T. G. Baxenden, Watford, England. Freewheel driving mechanism. 2,044,420; June 16.

Colton, Maxwell B., New York, N. Y. Liquid dispensing machine. 2,044,153; June 16.

Combustion Engineering Co. Inc. (See Wood, Wilfred R., assignor.)

Cone, Edna L., et al. (See Griffith, Harry J., assignor.)

Cone, Edward, et al. (See Griffith, Harry J., assignor.)

Cone, May, et al. (See Griffith, Harry J., assignor.)

Conley, John E., Memphis, Tenn. Railway frog. 2,044,283; June 16.

Condon, Thomas A., Silver Spring, Md., and G. W. Beatty, Decatur, Ill., assignors to the Secretary of War of the United States of America. Mount for antiaircraft guns. 2,043,989; June 16.

Conner, Guy O., and H. W. Karges, assignors to Wheeling Steel Corporation, Wheeling, W. Va. Spouted container. 2,044,208; June 16.

Conover Company, The. (See Stoddard, Edgar S., assignor.)

Consolidated Ashcroft Hancock Company. (See Beck, Rudolf, assignor.)

Continental Can Company. (See Freeman, Ernest W., assignor.)

Continental Can Company. (See Henchert, John, assignor.)

Continental Can Company. (See Schneider, Julius L., assignor.)

Cooke, Horace B., Greenwich, Conn., assignor to The Gray Processes Corporation, Newark, N. J. Removing gum-forming constituents from fuel gas. 2,044,421; June 16.

Cornell, Elias S., Chicago, Ill., H. D. Freitag, Long Island and P. Sporn, Brooklyn, N. Y., said Cornell assignor to Belta-Star Electric Company, Chicago, Ill. Bus clamp. 2,044,604; June 16.

Cory, Harvey, Chicago, Ill. Art of flame treating glassware. 2,044,566; June 16.

Cottrell, C. B., & Sons Company. (See Barber, Howard M., assignor.)

Coulston, Earl V., Shaker Heights, Ohio, assignor to Crown Stove Works, Cicero, Ill. Combination cooking range, table, and cabinet. 2,044,154; June 16.

Coupland, Richard C., United States Army, Norfolk, Va. Gun sight. 2,043,990; June 16.

Cox, Henry L., and T. D. Roper, Jr., South Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Preparation of dialkyl ethers of glycol. 2,044,468; June 16.

Crawford, Arthur B., Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Radio repeating system for ultra-short waves. 2,044,061; June 16.

Crevelinc, John L., near Tucson, Ariz., assignor to The Lubrication Corporation, South Bend, Ind. Lubricating device. 2,044,469; June 16.

Crosby, Ernest M. (See Sinquefield, Rex W., assignor.)

Cross, Matthew F. (See Cross, Roy and M. F.)

Cross, Matthew F., Kansas City, Mo. Method of dispersing particles and apparatus therefor. 2,044,757; June 16.

Cross, Roy and M. F., Kansas City, Mo. Aqueous suspension compositions. 2,044,758; June 16.

Crossley-Holland, Frank W., Dunstable, England. Chair and the like. 2,044,212; June 16.

Crown Cork & Seal Company. (See Huntley, G. J., and Stewart, assignors.)

Crown Stove Works. (See Coulston, Earl V., assignor.)

Cukor, Joseph T., Tuckahoe, N. Y. Dress. 2,044,668; June 16.

Cummings, George C., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Impulse telegraph repeater. 2,044,062; June 16.

Curby, Fred N. (See Pool, N. E., and Curby.)

Curry, Samuel C., Graham, Tex. Wing brace for Sampson posts. 2,044,669; June 16.

Curtiss Aeroplane & Motor Company. (See Kerr, John A., assignor.)

Curtiss Aeroplane & Motor Company. (See Rowe, D. C., Tyden, and Flader, assignors.)

Curtiss Aeroplane & Motor Company. (See Steward, Colby W., assignor.)

Curtiss Aeroplane & Motor Company. (See Trimbach, Clem G., assignor.)

Dalay, Andrew J., Yonkers, N. Y. Golf club. 2,044,567; June 16.

D'Agostino, Julius, Detroit, Mich. Piston and piston ring assembly. 2,044,499; June 16.

Dahlberg, Arnold V., Denver, Colo. Fertilizing trees and shrubs. 2,044,068; June 16.

Dalber, Ernst, Lichterfelde-West, Germany, assignor to General Electric Company. Two-cycle combustion engine. 2,044,605; June 16.

Dake, Charles W., Grand Haven, assignor to Campbell, Wyant and Cannon Foundry Company, North Township, Mich. Pump. 2,044,064; June 16.

Dalén, Gustaf, and G. E. Björklund, Lidingo, assignors to Svenska Aktiebolaget Gasaccumulator, Stockholm, Sweden. Liquid fuel combustion apparatus. 2,043,991; June 16.

Dana, Leo I., Buffalo, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Warm converter for liquefied gases of low boiling point. 2,044,670; June 16.

Daniels, Constantine A., Grand Rapids, Mich. Spinning rope. 2,044,240; June 16.

Dargavel, James B., Minneapolis, Minn. Device for moistening and dispensing cleansing pads. 2,044,284; June 16.

Davidson, Ellsworth L., assignor to Mandell Manufacturing Co., Chicago, Ill. Knock-down display pedestal. 2,044,422; June 16.

Day, A. Blaine. (See Bergner, Luther F., assignor.)

Delano, Ralph L. (See Ritchie, W. B., and Delano.)

De Long Gum Co. (See Peterson, Conrad E., assignor.)

Delta-Star Electric Company. (See Cornell, E. S., (assignor), Freitag, and Sporn.)

Denull, Hans, Berlin-Charlottenburg, assignor to H. Goldbeck, Berlin, Germany. Lock with bolt operating mechanism remaining permanently in the case. 2,044,881; June 16.

Derr, Ralph B., and C. C. Callis, Oakmont, assignors to Aluminum Company of America, Pittsburgh, Pa. Solder for aluminum. 2,044,671; June 16.

De Selgas y Marin, Exequiel. (See Laffon y Soto, Alberto, assignor.)

Detroit Lubricator Company. (See Eggleston, L. W. and Dillman, assignors.)

Detroit Steel Products Company. (See Reynaud, Samuel C., assignor.)

Devaux, Lucien, Paris, France, assignor to Western Electric Company, Incorporated, New York, N. Y. Impulse sender. 2,044,470; June 16.

Dibley, Raymond H., assignor of one-half to N. Hoffman, New York, N. Y. Ignition system for combustion engines. 2,044,155; June 16.

Diehl Corporation. (See Klimek, Gustav A., assignor.)

Diehl, Webster L., St. Joseph, Mo. Hydraulic rotary drill. 2,044,249; June 16.

Dietz, Valentin, Cologne, Germany, assignor to E. B. Elliott, and M. C. Boyd, Miami, Fla. Printing. 2,044,156; June 16.

Dillman, Ernest J. (See Eggleston, L. W., and Dillman.)

Dodd, Laurence E., and W. W. Harper, Los Angeles, Calif. Time recorder. 2,044,471; June 16.

Dodge, William A. (administrator). (See Sabbah, Camille A.)

Doherty Research Company. (See Burke, Stephen P., assignor.)

Dominion Engineering Works Limited. (See Macpherson, Hugh W., assignor.)

Donahue, A. J., Corporation. (See Jacobs, Joseph, assignor.)

Dorer, Primus O., and H. F. Landstad, assignors to S. Smith & Sons (Motor Accessories), Limited, London, England. Starting device for synchronous electric motors. 2,044,423; June 16.

Dorfman, Hiller D., and J. H. Shuler, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit breaker. 2,044,157; June 16.

Dorman, Morris, Baltimore, Md. Vending machine. 2,044,672; June 16.

Dorr Company, The. (See Bankin, Renville S., assignor.)

Douglas, Harry A., Bronson, Mich. Electric switch construction. 2,044,065; June 16.

Douglass, William A. (See Calcott, W. S., and Douglass.)

Dow Chemical Company, The. (See Mills, L. E., and Fayerweather, assignors.)

Dow Chemical Company, The. (See Mills, Lindley E., assignor.)

Dreyfus, Jean, Paris, France. Radio receiver. 2,044,759; June 16.

Dunagan, Walter M., Ames, Iowa. Masonry unit. 2,044,382; June 16.

Dunin-Markiewicz, Stanislaw Sudlitz, and T. Smiśniewicz, assignors to Panstwowa Wytwornia Prochu, Pionki, Zagozdzon, Poland. Safety device for gas conduits. 2,044,537; June 16.

Dunlap, Harry A., Indianapolis, Ind. Floating watch movement. 2,044,752; June 16.

Dunlop, James, Park Ridge, assignor to Westinghouse Electric Elevator Company, Chicago, Ill. Chain gear. 2,044,158; June 16.

Du Pont, E. I., de Nemours & Company. (See Beard, Earl E., assignor.)

Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., and Douglass, assignors.)

Du Pont, E. I., De Nemours & Company. (See Carleton, Paul W., assignor.)

Du Pont, E. I., de Nemours & Company. (See Ott, K., Bernard and Frick, assignors.)

Du Pont Viscoloid Company. (See Harford, Edward F., assignor.)

Du Pont Viscoloid Company. (See Keeran, Charles R., assignor.)

Du Pont Viscoloid Company. (See Kuettel, Glen M., assignor.)

Dupont Viscoloid Company. (See Macht, Maurice L., assignor.)

Du Pont Viscoloid Company. (See Odell, Allan F., assignor.)

Dupont Viscoloid Company. (See Terhune, Leonard B., assignor.)

Durst, Norman H., Moundridge, Kans. Auxiliary cutter for lawn mowers. 2,044,159; June 16.

Dyer, Leslie L., assignor to Humber Limited, Coventry, England. Fan. 2,044,285; June 16.

Easley, Arthur W., Independence, Mo. Automobile door locking mechanism. 2,044,068; June 16.

Eclipse Machine Company. (See McGrath, William L., assignor.)

Edwards, Donald V., Montclair, and E. K. Smith, East Orange, N. J., assignors to Electrons, Inc. Gaseous discharge tube and method of manufacture. 2,044,350; June 16.

Edwards, Harry D., Larchmont, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Method and apparatus for distributing liquefied gases. 2,044,673; June 16.

Edwards, Paul G., Millburn, and C. E. Clutts, Clifton, N. J., assignors to American Telephone and Telegraph Company. Insulation testing system. 2,044,424; June 16.

Eggleston, Lewis W., and E. J. Dillman, assignors to Detroit Lubricator Company, Detroit, Mich. Control device. 2,044,729; June 16.

Eldridge, Howard B., and C. E. Klein, St. Louis, Mo. Machine for testing clutch assemblies. 2,044,067; June 16.

Electrons, Inc. (See Edwards, D. V., and Smith, assignors.)

Elevator Company of America. (See Rice, Joseph, assignor.)

Elliott, Erwin B., et al. (See Dietz, Valentin, assignor.)

Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Petroleum oxidation products and their utilization. 2,043,992; June 16.

Ellis-Foster Company. (See Ellis, Carleton, assignor.)

Elphick, Frederick C., and J. R. Gray, Silvertown, London, assignors of one-third to Burt, Boulton & Haywood, Limited, London, England. Production of finely distributed copper compounds. 2,044,674; June 16.

Erbach, Fred R., assignor to General Refrigeration Corporation, Beloit, Wis. Finned evaporator. 2,044,069; June 16.

Erickson, David, Wichita Falls, Tex. Rod line idler. 2,044,526; June 16.

Eriksson, Bengt G., Stockholm, Sweden. Tent. 2,044,851; June 16.

Erling, Ralph, Cranford, N. J. Holding means for locking elements. 2,043,993; June 16.

Erwin, Hugh M., Dallas, Tex. Adjustable seat. 2,044,675; June 16.

Estabrook, Joseph B. (See Lykken, H. G., and Estabrook.)

Ettl, Joseph, Plainfield, N. J., assignor to Potdevin Machine Company, Brooklyn, N. Y. Gluing machine. 2,044,472; June 16.

Evans Case Company. (See Reilly, Alfred F., assignor.)

Evans, Robert D. (See Lewis, W. A., and Evans.)

Evans, William A., Maplewood, N. J. Air conditioning system. 2,044,352; June 16.

Ewaldson, Waldemar C., Chicago, Ill., and D. V. Waters, Cranford, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Braking device. 2,044,070; June 16.

Ewing, Willard R., Libertyville, assignor to McWilliams Dredging Company, Chicago, Ill. Re-forming cutters for hydraulic dredges. 2,044,883; June 16.

Exhibit Supply Company. (See Radtke, Bruno, assignor.)

Fairclough, Henry L., Jr., Clifton, N. J. Spring suspension. 2,044,242; June 16.

Fantone, Charles B., Lyndhurst, and R. M. Jameson, Teaneck, assignors to Syncro Machine Company, Newark, N. J. Centrifugal switch. 2,044,160; June 16.

Farnham, Paul O., Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Oscillator-detector circuits. 2,044,071; June 16.

Fayerweather, Bruce L. (See Mills, L. E., and Fayerweather.)

Federwitz, Theodore A., Philadelphia, assignor to Stokes and Smith Company, Summerdale, Pa. Box machine. 2,044,606; June 16.

Fenwick, Edward T. (See Thompson, Henry R., assignor.)

Ferree, Clifford R., Pittsburgh, Pa. Cooling of rolls. 2,044,384; June 16.

Fikany, James A., Carbondale, Pa. Shoe last. 2,044,676; June 16.

Fikany, James A., Carbondale, Pa. Adjustable arch. 2,044,751; June 16.

Flader, Fredric E. (See Rowe, D. C., Tydon, and Flader.)

Fletcher, James, Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J. Liquid fuel burner. 2,044,720; June 16.

Florida Humus Company. (See Goding, William B., assignor.)

Foresman, Robert A., Prospect Park, Pa. Heat generator. 2,043,994; June 16.

Forster, John S., Pittsburgh, Pa. Separable fastener. 2,044,161; June 16.

Foster, Theodore W., and Bro. Company. (See Parkin, Winfred T., assignor.)

Fourness Development Corporation. (See Fourness, W., and Burghard, assignors.)

Fourness, Wilfred, Oakland, Calif., and E. G. Burghard, New York, N. Y., assignors, by mesne assignments, to Fourness Development Corporation, Ltd. Temperature control system for vehicles. 2,044,068; June 16.

Fowler, Arno W., Highland, Ill. Clock. 2,044,286; June 16.

Fowler, Harold W. (See Mitchell, M. E., Mortensen, and Fowler.)

Franklin Baker Company. (See Casella, Secondo L., assignor.)

Freeman, Ernest W., Passaic, N. J., assignor to Continental Can Company, Inc., New York, N. Y. Metal container. 2,044,677; June 16.

Freitag, Henry D. (See Cornell, E. S., Freitag, and Sporn.)

Frese, Joseph F., assignor to Monitor Controller Company, Baltimore, Md. Thermally controlled switch mechanism. 2,044,678; June 16.

Frese, Joseph F., assignor to Monitor Controller Company, Baltimore, Md. Connecter for electric conductors. 2,044,679; June 16.

Freysinger, John B., assignor to North & Judd Manufacturing Company, New Britain, Conn. Swivel. 2,044,425; June 16.

Frick, Friedrich. (See Ott, K., Bernard, and Frick.)

Frohwerk, Eduard, Kansas City, Kans. Automatic tire inflater. 2,044,287; June 16.

Fry, Benjamin W., St. Louis, Mo. Vending machine casing. 2,044,288; June 16.

Fuller Lehigh Company. (See Hardgrove, Ralph M., assignor.)

Fulton Sylphon Company, The. (See Giesler, J. V., and Mackintosh, assignors.)

Fulton Sylphon Company, The. (See Ott, Oran W., assignor.)

Furman, Jacob N. (See Welland, H. M., and Furman.)

Gair, Robert, Company. (See Roesl, Harry, assignor.)

Gair, Robert, Company. (See Weiss, Arthur J., assignor.)

Gardiner, John A., et al. (See Smith, Alva T., assignor.)

Garrett, Charles R., Collingswood, N. J., assignor to Radio Corporation of America. Selector mechanism for automatic tuning. 2,044,607; June 16.

Gasoline Products Company. (See Atwell, Harold V., assignor.)

Gavin, Gordon P., Kohler, Wis. Water closet bowl. 2,044,243; June 16.

Gelleff, Arthur A., Isleworth, England. Device for cutting or trimming wallpaper and the like. 2,044,426; June 16.

Geller, Roscoe G., Owego, assignor to Stakmore Co., Inc., New York, N. Y. Folding chair. 2,044,473; June 16.

General Aniline Works, Inc. (See Raeck, M., and Thurm, assignors.)

General Aniline Works, Inc. (See Schirmacher, K., Schaich, Wolfram, Tampke, Billig, and Schirmacher.)

General Chemical Company. (See Wollner, Herbert J., assignor.)

General Electric Company. (See Carter, Mitchell, assignor.)

General Electric Company. (See Dalber, Ernst, assignor.)

General Electric Company. (See Kjolseth, Ole K., assignor.)

General Electric Company. (See Leach, Edward A., assignor.)

General Electric Company. (See Leonard, Vincent W., assignor.)

General Electric Company. (See Livingston, Orrin W., assignor.)

General Electric Company. (See Marcellus, Fredrick S., assignor.)

General Electric Company. (See Pratt, William H., assignor.)

General Electric Company. (See Sabbah, Camille A., assignor.)

General Electric Company. (See Schwennker, Charles F., assignor.)

General Electric Company. (See Woodruff, Henry S., assignor.)

General Electric Company Limited, The. (See Smart, N. C., and Moss, assignors.)

General Motors Corporation. (See Cobb, Leland D., assignor.)

General Motors Corporation. (See Geyer, Harvey D., assignor.)

General Motors Corporation. (See Marchand, Eugene M., assignor.)

General Motors Corporation. (See Williams, Harry M., assignor.)

General Patents Corp. (See McHugh, Joseph P., assignor.)

General Refrigeration Corporation. (See Erbach, Fred R., assignor.)

General Register Corporation. (See Purdy, Fred A. and H. McL., and Letsch, assignors.)

Gerdts, Gustav F., Bremen, Germany. Connected valve. 2,044,162; June 16.

Geske, Carl, and C. E. Yost, Grand Rapids, assignors to Winters & Crampton Corporation, Grandville, Mich. Refrigerator latch. 2,044,500; June 16.

Geyer, Harvey D., Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich. Resilient mount for electric motors. 2,044,385; June 16.

Giesler, Jean V., and W. B. Mackintosh, assignors to The Fulton Sylphon Company, Knoxville, Tenn. Electrothermally operated valve. 2,044,427; June 16.

Gilbert, Chester G., Washington, D. C., assignor to Research Corporation, New York, N. Y. Spherulising fusible pulverizable filler material. 2,044,680; June 16.

Gilmer, Virginia L., Anderson, S. C. Shoe shining mit. 2,044,428; June 16.

Giraud, Jules F. L., Digne, France. Shuttle-carrier for sewing machines. 2,044,163; June 16.

Glass, Perley R., Salem, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Folding machine. 2,044,289; June 16.

Glass, Perley R., Salem, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Starting and stopping mechanism. 2,044,501; June 16.

Glatzer, Gustave, New York, N. Y. Eyelash curler. 2,044,209; June 16.

Gleason, James E. (See Schausell, A. P., and Gleason.)

Gleason Works. (See Schausell, A. P., and Gleason, assignors.)

Globe Oil Tools Company. (See Howard, John H., assignor.)

Goding, William B., assignor to Florida Humus Company, Zellwood, Fla. Dehydrating apparatus. 2,044,386; June 16.

Goedike, John G., San Antonio, Tex. Dampening printing surfaces of planographic and analogous presses. 2,043,995; June 16.

Going, George G., Glenbrook, Stamford, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 2,044,072; June 16.

Gold, Meyer, assignor to The Animated Match Company, Minneapolis, Minn. Advertising novelty. 2,043,996; June 16.

Goldbeck, Heinrich. (See Denull, Hans, assignor.)

Goldsmith, Alfred N., New York, N. Y., assignor to Radio Corporation of America. Television system. 2,043,997; June 16.

Gordon, Robert M., Carnegie, Pa. Tin-plating. 2,044,210; June 16.

Govers, Francis X., Vincennes, Ind., assignor to Indian Refining Company, Lawrenceville, Ill. Manufacture of lubricating oil. 2,044,721; June 16.

Govers, Francis X., Vincennes, Ind., assignor to Indian Refining Company, Lawrenceville, Ill. Manufacture of lubricating oil. 2,044,722; June 16.

Govers, Francis X., Vincennes, Ind., assignor to Indian Refining Company, Lawrenceville, Ill. Manufacture of lubricating oil. 2,044,723; June 16.

Govers, Francis X., Vincennes, Ind., assignor to Indian Refining Company, Lawrenceville, Ill. Manufacture of lubricating oil. 2,044,724; June 16.

Govers, Francis X., Vincennes, Ind., assignor to Indian Refining Company, Lawrenceville, Ill. Manufacture of lubricating oil. 2,044,725; June 16.

Govers, Francis X., Vincennes, Ind., assignor to Indian Refining Company, Lawrenceville, Ill. Manufacture of lubricating oil. 2,044,726; June 16.

Grady, Lester D., Jr., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y. Zinc dust paint. 2,044,292; June 16.

Graham, Carl H. (See Haigh, William D., assignor.)

Grant, Albert E., assignor to Raylite Trading Co, Inc., New York, N. Y. Wiring device. 2,044,290; June 16.

Grant, Albert E., assignor to Raylite Trading Co, Inc., New York, N. Y. Wiring device. 2,044,291; June 16.

Grant, John. (See Barkelew, J. T., and Scantlebury, assignors.)

Gray, James R. (See Elphick, F. C., and Gray.)

Gray Processes Corporation, The. (See Cooke, Horace B., assignor.)

Green, Irving W., Cranford, N. J., assignor to American Telephone and Telegraph Company. Cutting tool. 2,044,527; June 16.

Griffith, Clement P., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind. Air release mechanism for dispensing apparatus. 2,044,727; June 16.

Griffith, Harry J., assignor of one-twelfth to E. Cone, one-twelfth to M. Cone, and one-twelfth to E. L. Cone, Denver, Colo. Tire-spreading tool. 2,044,631; June 16.

Groetchen, Richard, Chicago, Ill. Lap. 2,044,474; June 16.

Guhl, Hermann, Baden, Germany. Producing bunsen burners. 2,044,528; June 16.

Gulbransen, Lars, Mason City, Iowa. Window construction. 2,044,387; June 16.

Gulf Oil Corporation. (See Stevens, D. R., and Payne, assignors.)

Gulliksen, Finn H., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Control apparatus. 2,044,164; June 16.

Gundelfinger, William E., assignor to Knapp-Monarch Company, St. Louis, Mo. Handle structure for corn poppers and the like. 2,044,388; June 16.

Gunderman, Lester S., Pittsburgh, Pa. Protector for threaded objects. 2,044,568; June 16.

Gust, Frederick A., Chicago, Ill. Receptacle handle. 2,044,682; June 16.

Gustafson, Henry, Astoria, Oreg. Cable cutter. 2,044,683; June 16.

Hackett, William H., Coogee, near Sydney, and P. W. Fryke, Lane Cove, near Sydney, New South Wales, Australia. Photolithographic process. 2,044,429; June 16.

Hackhofer, Ernst, and A. Beuther, Krefeld-Uerdingen, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Separation of carbonic acid from gases containing the same. 2,044,116; June 16.

Hadjopoulos, Demosthenes B., New York, N. Y. Safety razor and razor blade. 2,043,998; June 16.

Haigh, William D., Groveland, Calif., assignor to C. H. Graham, San Antonio, Tex. Portable maintenance roller. 2,044,684; June 16.

Hall, Hartwell & Co. (See Hunter, Ralph, assignor.)

Hall, Robert, Lockport, assignor to American District Steam Company, North Tonawanda, N. Y. Expansion joint. 2,044,430; June 16.

Hall, W. F., Printing Company. (See Pederson, John P., assignor.)

Haller, Herbert L. J., Washington, D. C., and F. B. La Forge, Clarendon, Va., assignors to H. A. Wallace, Secretary of Agriculture of the United States of America. Purification of pyrethrin concentrates. 2,044,502; June 16.

Halliwell, George P., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. High strength alloys. 2,044,165; June 16.

Halmagyi, John. (See Langer, Nicholas, assignor.)

Hamberger, John. (See Wainman, F. H., and Hamberger.)

Handler, Alfred A., Cleveland, Ohio, assignor to Aluminum Company of America. Manufacturing propellers. 2,044,293; June 16.

Handler, Alfred A., Cleveland, Ohio, assignor to Aluminum Company of America. Propeller. 2,044,294; June 16.

Handler, Alfred A., Cleveland, Ohio, assignor to Aluminum Company of America. Propeller. 2,044,295; June 16.

Hanke, Josef. (See Stola, J., Hanke, Lux, and Logstädt.)

Hanna, William T., Cincinnati, Ohio. Stoker. 2,044,001; June 16.

Hansell, Clarence W., Port Jefferson, N. Y., assignor to Radio Corporation of America. Receiving circuits. 2,044,745; June 16.

Hansen, Edwin H., Braintree, assignor to Andrews & Goodrich, Inc., Dorchester, Mass. Method of and apparatus for treating fibrous, granular or other material in loose form. 2,044,744; June 16.

Hanson, John H. and W. M., Chicago, Ill. Antisplash guard for typographical machines. 2,044,685; June 16.

Hanson-Van Winkle Munning Company. (See Trudeau, John F., assignor.)

Hanson, Walter M. (See Morgan, E. B., and Hanson.)

Hanson, William M. (See Hanson, John H. and W. M.)

Hardgrove, Ralph M., Westfield, N. J., assignor to Fuller Lehigh Company, New York, N. Y. Burner. 2,044,296; June 16.

Harford, Edward F., assignor to Du Pont Viscoloid Company, Wilmington, Del. Diaphragm for electrical reproduction of sound. 2,044,608; June 16.

Harper, William E., Chicago, Ill. Dental matrix holder. 2,043,999; June 16.

Harper, William W. (See Dodd, L. E., and Harper.)

Harris Seybold Potter Company. (See Lewis, H. I., and Seybold, assignors.)

Harrison, Charles A., Lockport, assignor to Anaconda Copper Mining Company, New York, N. Y. Method of electroplating metal. 2,044,431; June 16.

Harrison, Wallace B., and C. W. Kennedy, Pasadena, Calif. Tidal storage device. 2,044,686; June 16.

Harshaw Chemical Co., The. (See Harshaw, William J., assignor.)

Harshaw, William J., Shaker Heights, assignor to The Harshaw Chemical Co., Cleveland, Ohio. Chromate-ion reaction. 2,044,244; June 16.

Hartenstein, Herman L., Chicago, Ill. Manufacture of fertilizer. 2,044,297; June 16.

Hasford, Carl B., Dallas, Tex., and J. B. McGay, Tulsa, Okla. Coupling. 2,044,298; June 16.

Hassan, Hussein. (See Belefant, B., and Hassan.)

Hatfield, Rodney H. (See Stapleton, A. W., and Hatfield.)

Hatten, Isham H., Winnfield, La. Portable fire fighting apparatus. 2,044,687; June 16.

Hauk, Charles J., Jr., et al. (See Wainman, F. H., and Hamberger, assignors.)

Hawley, Jesse E., assignor to Zimmer Manufacturing Company, Warsaw, Ind. Hip splint. 2,044,299; June 16.

Hayden, Frank A., Springfield, Mass. Furniture. 2,044,166; June 16.

Heans, John A., Berkeley, Calif. Vehicle signaling device. 2,044,300; June 16.

Heckart, William, Bradner, Ohio. Drinking attachment for pumps. 2,044,117; June 16.

Hedelund, Fred T., assignor of one-half to L. B. Winters, Sandusky, Ohio. Roller skate and attaching means therefor. 2,044,211; June 16.

Hedlund, William T., Mount Vernon, assignor to Servel, Inc., New York, N. Y. Refrigeration. 2,044,609; June 16.

Heim, Lewis B., Mount Dora, Fla. Boiler bearing construction. 2,044,168; June 16.

Heimann, Hugo, Haifa, Palestine, assignor to the firm of Bayerische-Stickstoff-Werke, Aktiengesellschaft, Berlin, Germany. Producing ammonium sulphate. 2,044,167; June 16.

Heise, Arthur C., and M. W. Jacobi, Baltimore, Md. Razor blade sharpener. 2,044,688; June 16.

Heising, Raymond A., Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Mechanical vibrating system. 2,044,000; June 16.

Helmond, William F., West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y. Typewriting machine. 2,044,002; June 16.

Henchert, John, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y. Dispensing container. 2,044,689; June 16.

Hercules Powder Company. (See Barab, Jacob, assignor.)

Hercules Powder Company. (See Hollabaugh, Cleveland B., assignor.)

Hercules Powder Company. (See Koch, William, assignor.)

Herreshoff, Alexander G., Grosse Pointe Village, assignor to Chrysler Corporation, Detroit, Mich. Vehicle. 2,044,610; June 16.

Hess, Floyd L., Des Moines, Iowa. Film reel. 2,044,569; June 16.

Hewitt, William R., New York, N. Y. Spring system for railway car trucks. 2,044,503; June 16.

Highway Trailer Company. (See Robb, Harry C., Jr., assignor.)

Hillblom, Samuel E., Chicago, Ill., assignor to International Harvester Company. Tractor mower. 2,044,169; June 16.

Hill, Irving, assignor to The Lawrence Paper Company, Lawrence, Kans. Box. 2,044,301; June 16.

Hinrichs, Herbert, et al. (See Kämmel, Hugo, assignor.)

Hirsch, Louis, Weehawken, N. J., assignor to Louis Hirsch Textile Machines, Inc., New York, N. Y. Knitted fabric. 2,044,690; June 16.

Hirsch, Louis, Textile Machines, Inc. (See Hirsch, Louis, assignor.)

Hite, Charles E., Philadelphia, Pa. Producing an emulsifiable asphalt. 2,044,570; June 16.

Hite, Edward W., assignor to The Slaymaker Lock Company, Lancaster, Pa. Padlock. 2,044,529; June 16.

Hodges, Lee W., Defiance, assignor to Saturn Heater Corporation, Bryan, Ohio. Automatic water heater. 2,044,611; June 16.

Hoffman, Nathan. (See Dibley, Raymond H., assignor.)

Höflinger, Bruno, Berlin, Germany. Device for collecting the blood at a certain part of the human body. 2,044,691; June 16.

Hoge, John R., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Glassware forming machine. 2,044,716; June 16.

Holiday, Edward W., and F. K. Blauvelt, assignors to The Bridgeport Machine Company, Wichita, Kans. Hardfaced underreamer cutter and forming the same. 2,044,358; June 16.

Hollabaugh, Cleveland B., assignor to Hercules Powder Company, Wilmington, Del. Compositions and method of producing. 2,044,571; June 16.

Hollabaugh, Cleveland B., assignor to Hercules Powder Company, Wilmington, Del. Compositions and method of producing. 2,044,572; June 16.

Hollinshead, William H., assignor to Water Level Controls Company, St. Paul, Minn. Circuit controlling system. 2,044,746; June 16.

Hollmann, Hans E., assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Electrol discharge device circuit. 2,044,003; June 16.

Holton, Rollin C., Cleveland, Ohio. Connecting device. 2,044,302; June 16.

Homeland Mfg. Co. (See Matthai, William H., assignor.)

Hookless Fastener Company. (See Sundback, Gideon, assignor.)

Hopff, Heinrich. (See Kuehn, E., and Hopff.)

Hornberger, Carl S., Glen Ellyn, Ill., assignor to Central Scientific Company. Constant temperature bath. 2,044,573; June 16.

Horton, Fred B. (See Smith, Thomas W., assignor.)

Houze, L. J., Convex Glass Company. (See Klages, Norman H., assignor.)

Howard, John H., Huntington Park, assignor to Globe Oil Tools Company, Los Nietos, Calif. Well drilling tool. 2,044,303; June 16.

Hubbeling, Johan D. W., assignor to American Enka Corporation, Enka, N. C. Manufacture of artificial silk. 2,044,432; June 16.

Hughes Tool Company. (See Neubaus, Ralph, assignor.)

Hughes Tool Company. (See Scott, Floyd L., assignor.)

Hughes Tool Company. (See Woods, Gorham W., assignor.)
Huhn, Gustav, Berlin-Tempelhof, Germany. Packing for the shafts of steam turbines. 2,044,692; June 16.
Humber Limited. (See Dyer, Leslie L., assignor.)
Hummel, Frederick E. (See Patock, Charles, assignor.)
Hunt, Arthur T., Fort Wayne, Ind., assignor to International Harvester Company. Crankshaft twister. 2,044,170; June 16.
Hunter, Ralph, New York, assignor to Hall, Hartwell & Co., Troy, N. Y. Soft fold collar. 2,044,693; June 16.
Huntley, George J., Baltimore, and R. J. Stewart, Catonsville, assignors to Crown Cork & Seal Company, Inc., Baltimore, Md. Pasteurizer. 2,044,118; June 16.
Hurley, George H., Detroit, Mich. Clothesline reel. 2,044,073; June 16.
Huss, Henry, Greenwich, Conn. Nozzle. 2,044,694; June 16.
Huss, Henry, Greenwich, Conn. Nozzle. 2,044,695; June 16.
Huss, Henry, Greenwich, Conn. Nozzle. 2,044,696; June 16.
Huss, Henry, Greenwich, Conn. Nozzle. 2,044,697; June 16.
Hydraulic Brake Company. (See Oliver, Wallace F., assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Hackhofer, E., and Beuther, assignors.)
I. G. Farbenindustrie Aktiengesellschaft. (See Kuehn, E., and Hopff, assignors.)
Ihlein, Ludwig A., Philadelphia, Pa. Nonrefillable bottle. 2,044,171; June 16.
Imperial Chemical Industries Limited. (See Baldwin, A. W., and Knight, assignors.)
Imperial Chemical Industries Limited. (See Knight, A. H., and Sexton, assignors.)
Imperial Chemical Industries Limited. (See Knight, Arthur H., assignor.)
Imperial Chemical Industries Limited. (See Piggott, H. A., and White, assignors.)
Indian Refining Company. (See Govers, Francis X., assignor.)
Intermetal Corporation. (See Jenness, Leslie G., assignor.)
International Derrick & Equipment Company. (See Boykin, Burwell, Jr., assignor.)
International Harvester Company. (See Hilblom, Samuel E., assignor.)
International Harvester Company. (See Hunt, Arthur T., assignor.)
International Harvester Company. (See Robinson, Charles W., assignor.)
International Harvester Company. (See Welty, Albert B., assignor.)
Irons, Ross C., Bellevue, Ohio. Packaging foods. 2,044,245; June 16.
Irvine, Fergus A., New Orleans, La. Manufacturing hard board. 2,044,213; June 16.
Isenberg, Stanley, Chicago, Ill. Stick holder. 2,044,354; June 16.
Jackman, George W. (See Pierson, W. D., and Jackman.)
Jacobi, Millard W. (See Heise, A. C., and Jacobi.)
Jacobs, Joseph, Bridgeport, assignor to A. J. Donahue Corporation, Milford, Conn. Garter grip. 2,044,728; June 16.
Jaeger, Alphons O., Mount Lebanon, Pa., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation. Plasticizer. 2,044,612; June 16.
James, Harold, Booker, Tex. Land blocking machine. 2,044,304; June 16.
James Manufacturing Company. (See Shodron, John G., assignor.)
Jameson, Reuben M. (See Fantone, C. B., and Jameson.)
Jardine, Frank, assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio, as trustee. Piston. 2,044,074; June 16.
Jelenfy, Julius, New York, N. Y. Mop. 2,044,075; June 16.
Jenness, Leslie G., Brooklyn, assignor to Intermetal Corporation, New York, N. Y. Producing titanium dioxide. 2,044,753; June 16.
Jewell, Raymond L., Millcreek Township, Erie County, assignor to American Steriliser Company, Erie, Pa. Water steriliser. 2,044,433; June 16.
John, Robert, New York, N. Y. Safety razor. 2,044,698; June 16.
Johns-Manville Corporation. (See Brown, George B., assignor.)
Johnson, Albert M., assignor to Barnes Drill Company, Rockford, Ill. Skip-top control mechanism. 2,044,076; June 16.
Johnson, Charles D., assignor to Johnson Steel & Wire Company, Inc., Worcester, Mass. Stripper for wire-receiving blocks. 2,044,574; June 16.
Johnson, Dayton E., Sanford, Fla. Lifting jack. 2,044,699; June 16.
Johnson, Frank R., Floral Park, N. Y. Cleaning composition. 2,044,246; June 16.
Johnson, Harry W., assignor to The Turner Company, Cedar Rapids, Iowa. Communication system. 2,044,305; June 16.
Johnson, Joseph. (See Wilson, L. A., and Johnson.)
Johnson Steel & Wire Company. (See Johnson, Charles D., assignor.)
Johnson's, Iver, Arms & Cycle Works. (See Back, Leonard, assignor.)
Jones, Coulter W., Altadena, Calif. Sulphur refining process. 2,044,214; June 16.
Jones, David H., assignor of one-half to Scaffolding (Great Britain) Limited, London, England. Clamp for scaffolding. 2,044,700; June 16.
Jones, Ellis L., Long Island City, assignor, by mesne assignments, to American Sealcone Corporation, New York, N. Y. Paraffining apparatus. 2,044,077; June 16.
Jones, Ellis L., Bellaire, assignor to American Sealcone Corporation, New York, N. Y. Paraffining receptacles. 2,044,078; June 16.
Jonker, Johan L. H., Eindhoven, Netherlands, assignor to Radio Corporation of America. Electric discharge tube. 2,044,613; June 16.
Junkin, Malcolm P., Lansdowne, assignor to National Metal Edge Box Company, Philadelphia, Pa. Container. 2,044,701; June 16.
Kalyn, Hans, Fort Lauderdale, Fla. Artificial bait. 2,044,702; June 16.
Kämmel, Hugo, Zella-Mehlis, assignor to Mercedes Büromaschinen-Werke Aktiengesellschaft, Thuringia, Postamt Zella-Mehlis, H. Hinrichs, Hamburg, Germany, and P. Peroti, London, England. Code writing machine. 2,044,530; June 16.
Karcher, John C., Dallas, Tex. Apparatus for determining subsurface tectonics of the earth. 2,044,079; June 16.
Kardaszewicz, Jersy, Zagozdzon, assignor to Państwowe Wytwórnie Prochu, Pionki, Poland. Producing polysubstituted derivatives of urea. 2,044,355; June 16.
Karges, Howard W. (See Conner, G. O., and Karges.)
Karlsson-Ygger, Albert, assignor to L. B. Koch, New York, N. Y. Combined roasting and grinding machine. 2,014,489; June 16.
Kaspar Getreideschalmaschine G. m. b. H. (See Kaspar, L., Sr., and Kistner, assignors.)
Kaspar, Leopold, Sr., Olmuts, Czechoslovakia, and N. Kistner, assignors to the firm Kaspar Getreideschalmaschine G. m. b. H., Offenbach, Germany. Device for hulling and polishing cereals and podded grains. 2,044,531; June 16.
Kay, Lloyd D., Alhambra, Calif. Vehicle axle. 2,044,389; June 16.
Keeley, Henry J., Denver, Colo. Burner. 2,044,215; June 16.
Keenan, Joseph H., Medford, Mass., assignor to Jabez Burns & Sons, Inc., New York, N. Y. Cyclone separator. 2,044,614; June 16.
Keeran, Charles B., Evanston, Ill., assignor to Du Pont Viscoloid Company, Wilmington, Del. Making celluloid articles. 2,044,356; June 16.
Kégresse, Adolphe, Courbevoie, France. Endless track vehicle. 2,044,306; June 16.
Kégresse, Adolphe, Courbevoie, France. Endless track vehicle. 2,044,307; June 16.
Kelly, Wallace W., Racine, Wis. Vehicle reverse brake mechanism. 2,044,475; June 16.
Kemper, Charles B., Dayton, Ohio. Circuit controlling device. 2,044,080; June 16.
Kennedy, Charles R., Lakeville, Mass. Combined roll and frankfurt electric toasting device. 2,044,615; June 16.
Kennedy, Charles W. (See Harrison, W. B., and Kennedy.)
Kenney, William J., Chicago, Ill. Automatically regenerating water softener. 2,044,247; June 16.
Kerr, John A., Kenmore, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Aileron control for folding wings. 2,044,357; June 16.
Kessel, William P., San Francisco, Calif. Turbine. 2,044,532; June 16.
Kessenich, Gregary J., Madison, Wis. Container. 2,044,004; June 16.
Ketchpel, Paul A., West Englewood, N. J., assignor to The Standard Stoker Company, Incorporated. Stoker mechanism. 2,044,308; June 16.
Keys, Morris, Chicago, Ill. Lubricating pad. 2,044,248; June 16.
Kidde, Walter, & Company. (See Mapes, Daniel, assignor.)
Kiehs, Eugenie, Lawrence, N. Y. Baby-garment or nightshirt with a safety device. 2,044,300; June 16.
Kiely, James, Amesbury, Mass. Vehicle door hinge and mounting therefor. 2,044,533; June 16.
Klüfft, Heins, Schwelm, Germany. Photographic camera. 2,044,434; June 16.
Kinker, Clarence C., Alton, Ill., assignor to Owens-Illinois Glass Company. Revolving pot. 2,044,616; June 16.
Kirk, Claude R. and E. B. Collison, assignors to Standard Ticket Games Corporation, Chicago, Ill. Game apparatus. 2,044,309; June 16.
Kistner, Nikolaus. (See Kasper, L., Sr., and Kistner.)
Kjellstrom, John H., assignor to J. L. Clark Manufacturing Co., Rockford, Ill. Metallic jar. 2,044,081; June 16.
Kjolseth, Ole K., Erie, Pa., assignor to General Electric Company. Radial guiding truck. 2,044,575; June 16.
Kjolseth, Ole K., Erie, Pa., assignor to General Electric Company. Lateral restraint device. 2,044,576; June 16.
Klages, Edward A., Crafton, Pa. Wall structure. 2,044,216; June 16.

Klages, Norman H., Pittsburgh, Pa., assignor to L. J. Houze Convex Glass Company. Glass-cutting machine. 2,044,577; June 16.
Klein, Carl E. (See Eldridge, H. B., and Klein.)
Klein, Frederick, Glen Rock, assignor to Sipp-Eastwood Corporation, Paterson, N. J. Leasing warps. 2,044,578; June 16.
Klein, Maximilian, and R. A. Tollefsen, Sellersville, Pa., assignors to United States Gauge Company, New York, N. Y. High pressure gauge. 2,044,005; June 16.
Klimek, Gustav A., East Rutherford, N. J., assignor to Diehl Corporation, New York, N. Y. Power transmitter. 2,044,172; June 16.
Kline, Joseph E., Aplena, Mich. Transportable dock. 2,044,703; June 16.
Knapp-Monarch Company. (See Gundelfinger, William E., assignor.)
Knight, Arthur H. (See Baldwin, A. W., and Knight.)
Knight, Arthur H., Ashton-on-Mersey, Sale, assignor to Imperial Chemical Industries Limited. Azo dyes and their preparation. 2,044,082; June 16.
Knight, Arthur H., Ashton-on-Mersey, and W. A. Sexton, Manchester, England, assignor to Imperial Chemical Industries Limited. Aminohydroquinone-di-(beta-hydroxyethyl) ether and producing same. 2,044,083; June 16.
Knight, Arthur H., Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited. Secondary disazo dyestuffs and their production. 2,044,084; June 16.
Knight, Oliver D., assignor to H. H. Puetz, Madison, Wis. Sediment tester. 2,044,310; June 16.
Knowles, Albert R., London, England. Electrolysis of water. 2,044,704; June 16.
Kobert, Frank P., deceased, by K. Kobert, administratrix, Cleveland Heights, Ohio. Muffle device. 2,044,504; June 16.
Kobert, Kathryn, administratrix. (See Kobert, Frank P.)
Koch, Lydia B. (See Karlsson-Ygger, Albert, assignor.)
Koch, Vernon J., Andover, Iowa. Shock carrier. 2,044,705; June 16.
Koch, William, assignor to Hercules Powder Company, Wilmington, Del. Thermoplastic composition. 2,044,505; June 16.
Kochs, Theo. A., Company. (See Schachtel, Otto, assignor.)
Koenig, John, Philadelphia, assignor to Benjamin C. Betner Company, Devon, Pa. Apparatus for making begs. 2,044,476; June 16.
Kohler, Carl J., Kohler, Wis. Supply and waste fitting. 2,044,249; June 16.
Kohler, Charles T. (See McCann, G. M., and Kohler.)
Kommer, Fred A., assignor to Carter Carburetor Corporation, St. Louis, Mo. Carburetor. 2,044,178; June 16.
Korbuly, Károly, Csepel, Hungary, assignor to Alfina Immobilien-Finanzierungs & Verwaltungs A. G., Glarus, Switzerland. Manufacture of seamless pipes. 2,044,358; June 16.
Kovar, John H., Worcester, assignor to Whitin Machine Works, Whitinsville, Mass. Tape condenser. 2,044,217; June 16.
Kraft-Phenix Cheese Corporation. (See Clickner, Forest H., assignor.)
Kraut, Max, assignor to Pan-American Engineering Corporation, Ltd., San Francisco, Calif. Apparatus for recovering values from ore pulp. 2,044,250; June 16.
Krohmer, Martin F., Bucyrus, Ohio. Tie holder and retainer set. 2,044,311; June 16.
Kuehn, Erich, Mannheim, and H. Hopff, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of artificial materials. 2,044,730; June 16.
Kuettel, Glen M., Roselle, N. J., assignor to du Pont Viscoloid Company, Wilmington, Del. Apparatus for casting. 2,044,359; June 16.
Kuettel, Glen M., Roselle, N. J., assignor to du Pont Viscoloid Company, Wilmington, Del. Treating resinous products. 2,044,579; June 16.
Laffon y Soto, Alberto, assignor of one-half to Ezequiel de Selgas y Marin, Madrid, Spain. Modulating light for the photoelectric impression of sound on a photosensitive surface. 2,044,188; June 16.
La Forge, Frederick B. (See Haller, H. L. J., and La Forge.)
Laghetto, Louis, Somerville, assignor to A. B. Tenny, Lexington, Mass. Incinerator. 2,044,085; June 16.
Lakeland-Baines Patent Proprietary Company Limited. (See Lakeland, Henry, assignor.)
Lakeland, Henry, assignor to Lakeland-Baines Patent Proprietary Company Limited, Preston, England. Warp tension and letting-off device for weaving looms. 2,044,218; June 16.
Landrin, Albert, Paris, France. Bottle closure and dispenser. 2,044,706; June 16.
Landstad, Halvor F. (See Dorer, P. O., and Landstad.)
Langer, Nicholas, New York, N. Y., assignor of sixty-six and two-thirds per cent to J. Halmagyi, Budapest, Hungary. Electrical musical instrument. 2,044,360; June 16.
Lank, Clarence H., Brooklyn, N. Y. Water gauge. 2,044,477; June 16.
Larmuth, John H. (See Bartram, W. B., and Larmuth.)
Lasker, William W., Brooklyn, assignor to Remington Rand Inc., New York, N. Y. Tabulating machine. 2,044,119; June 16.
Lasker, William W., Brooklyn, assignor to Remington Rand Inc., New York, N. Y. Sorting machine. 2,044,120; June 16.
Lasker, William W., Brooklyn, assignor to Remington Rand Inc., New York, N. Y. Tabulating machine. 2,044,121; June 16.
Lasker, William W., Brooklyn, assignor to Remington Rand Inc., New York, N. Y. Card punching machine. 2,044,707; June 16.
Lasker, William W., Brooklyn, assignor to Remington Rand Inc., Buffalo, N. Y. Card punching machine. 2,044,708; June 16.
Lauf, Hans, Stockholm, Sweden. Firing mechanism for automatic firearms. 2,044,219; June 16.
Laufer, Otto P., Everett, Pa. Combined animal restraining and feeding device. 2,044,312; June 16.
Lawrence, George W., Los Angeles, Calif., assignor, by mesne assignments, to Postal Automatic Machines, Inc. Automatic keyboard. 2,044,754; June 16.
Lawrence Paper Company, The. (See Hill, Irving, assignor.)
Leach, Edward A., Cincinnati, Ohio, assignor to General Electric Company. Transmission line. 2,044,580; June 16.
Lee, Roger K., Highland Park, assignor to Chrysler Corporation, Detroit, Mich. Internal combustion engine. 2,044,581; June 16.
Le Grand, Joseph M., Heathsville, Va. Thermal insulation structure. 2,044,731; June 16.
Lehigh University, et al. (See Long, J. S., and Ball, assignors.)
Lejbowicz, Ferdinand J., Krolewska Huta, Poland. Locking device. 2,044,534; June 16.
Leonard, Vincent W., Fort Wayne, Ind., assignor to General Electric Company. Traffic signaling system. 2,044,617; June 16.
Letsch, Eugene. (See Purdy, Fred A. and H. McL., and Letsch.)
Leventhal, Jacob F., assignor to Leventhal Patents, Inc., New York, N. Y. Motion picture film feeding device. 2,044,478; June 16.
Leventhal Patents, Inc. (See Leventhal, Jacob F., assignor.)
Levey, Harold A., New Orleans, La. Filming and coating composition. 2,044,220; June 16.
Lewis Air Conditioners, Inc. (See Lewis, Carroll E., assignor.)
Lewis, Carroll E., assignor to Lewis Air Conditioners, Inc., Minneapolis, Minn. Hygrometer. 2,044,086; June 16.
Lewis, Harry L., and F. W. Seybold, Dayton, assignors to Harris Seybold Potter Company, Cleveland, Ohio. Multiple spindle drill. 2,044,709; June 16.
Lewis, William A., Wilkinsburg, and R. D. Evans, Swissvale, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Protective relay system. 2,044,174; June 16.
Lidsky, Louis. (See Morse, G. P., and Lidsky.)
Lindsay, Walter E., Denver, Colo. System of communication. 2,044,391; June 16.
Link, Jakob. (See Rheiner, A., and Link.)
Livingston, Aleda L., Los Angeles, Calif. Device for reshaping brassières. 2,044,479; June 16.
Livingston, Orrin W., Schenectady, N. Y., assignor to General Electric Company. Electrostatically controlled arc discharge device. 2,044,618; June 16.
Livingston, Orrin W., Schenectady, N. Y., assignor to General Electric Company. Double shielded grid construction. 2,044,619; June 16.
Ljungström, Fredrik, Lidingo, Ill., assignor to Aktiebolaget Spontan, Stockholm, Sweden. Turbine. 2,044,435; June 16.
Locke, Albert R., Oak Park, Ill. Control system. 2,044,006; June 16.
Locke Insulator Corporation. (See Rowland, Davidge H., assignor.)
Locke Steel Chain Company, The. (See Stegeman, Henry J., assignor.)
Logstäd, Richard. (See Stolz, J., Hanke, Lux, and Logstädt.)
Long, Elmer C., Grosse Pointe Park, Mich. Piston for internal combustion motors. 2,044,087; June 16.
Long, James S., Coopersburg, and G. L. Ball, Jr., Bethlehem, Pa., said Ball assignor of one-third to Archer-Daniels-Midland Company, and one-sixth to Lehigh University. Resinous products from chlorinated oxidized fatty oils. 2,044,007; June 16.
Longaker, Vernon A., Boston, Mass. Stay for corsets, belts, and the like. 2,044,436; June 16.
Lord, Frank, Radcliffe, England. Grinding machine for paper pulp. 2,044,480; June 16.
Lord, Hugh C., Erie, Pa. Joint. 2,044,392; June 16.
Lord, Hugh C., Erie, Pa. Forming joints. 2,044,393; June 16.
Lord, Mount C., assignor to U. S. Submarine Motorship Dredge, Inc., Seattle, Wash. Hydraulic material elevator. 2,044,088; June 16.
Lowe, Ernest A., Fanwood, N. J., assignor to Automatic Sprinkler Company of America, Cleveland, Ohio. Fire extinguishing apparatus. 2,044,313; June 16.
Lubrication Corporation, The. (See Creveling, John L., assignor.)
Lundquist, Walter H., Minneapolis, Minn. Football game. 2,044,506; June 16.

Lux, Gottlob. (See Stolz, J., Hanke, Gottlob and Logstädt.)
Luzzati, Salvatore, and C. Molinari, Turin, Italy. Wood tile for flooring and paneling. 2,044,535; June 16.
Lykken, Henry G., and J. B. Estabrook, Minneapolis, Minn. Water softening. 2,044,582; June 16.
Lyon, Harry, Holbrook, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Skiving machine. 2,044,089; June 16.
MacDonald, James E., Pittsburgh, Pa. Tilting furnace. 2,044,090; June 16.
Macht, Maurice L., Jersey City, N. J., assignor to Dupont Viscoloid Company, Wilmington, Del. Preparation of molded articles. 2,044,585; June 16.
Mackintosh, William B. (See Giesler, J. V., and Mackintosh.)
Macpherson, Hugh W., Montreal, assignor to Dominion Engineering Works Limited, Lachine, Quebec, Canada. Automatic valve control mechanism for fluid distributing systems. 2,044,427; June 16.
Maier, August R., assignor to Oil Well Supply Company, Dallas, Tex. Beam hanger. 2,044,536; June 16.
Mandell Manufacturing Co. (See Davidson, Ellsworth L., assignor.)
Manifold Vacuum Valve Corporation. (See Abbott, Robert N., assignor.)
Manley, Lloyd M., Forest Hills, and R. H. McCarthy, Manhasset, assignors to Western Electric Company, Incorporated, New York, N. Y. Material working machine. 2,044,481; June 16.
Mantle, Joseph G. C., Leonia, N. J., assignor by mesne assignments to Bridgeport Thermostat Company, Inc., Bridgeport, Conn. Making hollow articles. 2,044,710; June 16.
Mantle, Joseph G. C., Leonia, N. J., assignor by mesne assignments to Bridgeport Thermostat Company, Inc., Bridgeport, Conn. Method of and apparatus for making corrugated diaphragms. 2,044,711; June 16.
Mantle Lamp Company of America, The. (See Rathburn, Emory L., assignor.)
Mantle Lamp Company of America, The. (See Schwarz, Eugene, assignor.)
Manzeck, Robert H., San Diego, Calif. Javelin point. 2,044,092; June 16.
Mapes, Daniel, Montclair, N. J., assignor to Walter Kidde & Company, Inc., Bloomfield, N. J., Fire extinguishing apparatus. 2,044,438; June 16.
Marcellus, Fredrick S., Scotia, N. Y., assignor to General Electric Company, Recording instrument. 2,044,586; June 16.
Marchand, Eugene M., Bristol, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Article feeding apparatus. 2,044,394; June 16.
Martin, Kingsley L., Montclair, N. J. Atomizer. 2,044,091; June 16.
Martin-Parry Corporation. (See Buquor, Adolph P., assignor.)
Matthai, William H., Garrison, Md., assignor to Homeland Mfg. Co., Inc. Reflector. 2,044,620; June 16.
Mattman, Gustave E., assignor to The Cincinnati Advertising Products Company, Cincinnati, Ohio. Clock. 2,044,314; June 16.
Mauser-Werke A.-G. (See Bucher, Ernst, assignor.)
Maxmoor Corporation. (See Moore, Arlington, assignor.)
Maxwell, Bert C., Cleveland, Ohio. Foot measuring instrument. 2,044,587; June 16.
May, Maxwell F., Palos Park, Ill. Air conditioning apparatus. 2,044,538; June 16.
McCann, George M., New Castle, Del., and C. T. Kohler, Watervliet, N. Y. Firing mechanism. 2,044,008; June 16.
McCarthy, Rollin H. (See Manley, L. M., and McCarthy.)
McCord Radiator & Mfg. Co. (See Watson, C. A. H., and McKinster, assignors.)
McCulloch, Leon, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Dielectric material and producing it. 2,044,175; June 16.
McCulloch, Leon, Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Noninflammable paint. 2,044,176; June 16.
McElmoyl, Frank B., assignor to W. J. McElmoyl & Co., Inc., Groveville, N. J. Seat. 2,044,717; June 16.
McElmoyl, W. J., & Co. (See McElmoyl, Frank B., assignor.)
McGay, John B. (See Hasford, C. B., and McGay.)
McGill, Charles S., and R. Popp, assignors to McGill Manufacturing Company, Valparaiso, Ind. Control switch for two-filament lamps. 2,044,317; June 16.
McGill Manufacturing Company. (See McGill, C. S., and Popp, assignors.)
McGrath, William L., assignor to Eclipse Machine Company, Elmira, N. Y. Power controlling system. 2,044,395; June 16.
McGuire, William T., Algona, Iowa. Elevating road grader. 2,044,315; June 16.
McHugh, Joseph P., Scranton, Pa., assignor to General Patents Corp., New York, N. Y. Silk throwing and quill or cop forming process and apparatus. 2,044,621; June 16.
McKinster, Fred E. (See Watson, C. A. H., and McKinster.)
McLoughlin, Jack, Boise, Idaho. Ball table. 2,044,177; June 16.
McMenamin, Joseph, Philadelphia, Pa. Cleaning utensil. 2,044,361; June 16.
McMullin, Albert R., New York, N. Y. Centrifugally spun concrete pipe and apparatus for manufacture of the same. 2,044,178; June 16.
McNally, James A., United States Navy. Air navigation apparatus. 2,044,009; June 16.
McWilliams Dredging Company. (See Ewing, Williard R., assignor.)
McWilliams, Joseph E., New York, N. Y. Umbrella handle. 2,044,251; June 16.
Mead Corporation, The. (See Clark, J. A., and Traquair, assignor.)
Mehler, Hugo, Churchville, Pa. Driving connection for lace making machines. 2,044,732; June 16.
Mercedes Buromaschinen-Werke Aktiengesellschaft. (See Kämmel, Hugo, assignor.)
Messer, William W. (See Barnard, A. E., and Messer.)
Messinger Devices, Incorporated. (See Messinger, Lester H., Jr., assignor.)
Messinger, Lester H., Jr., Trumbull, assignor to Messinger Devices, Incorporated, Bridgeport, Conn. Vehicle braking means. 2,044,316; June 16.
Meyer, Christian F., Wyomissing, and M. Zwicky, Berkshire Heights, assignors to Textile Machine Works, Wyomissing, Pa. Camshaft-operated knitting machine. 2,044,539; June 16.
Michauka, Anthony, Chicago, Ill. Doorlatch. 2,044,622; June 16.
Michener, Charles P., Severna Park, Md. Game. 2,044,122; June 16.
Mid-Continent Petroleum Corporation. (See Bennett, Harry T., assignor.)
Middaugh, John B., assignor, by mesne assignments, to Packers Equipment Development Company, Chicago, Ill. Debairing machine. 2,044,179; June 16.
Middlebury Electric Clock Corporation. (See Bullock, Frank, assignor.)
Miller, Charles, and I. Spellman, Long Island City, N. Y. Shoe ornamentation. 2,044,362; June 16.
Mills, Lindley E., assignor to The Dow Chemical Company, Midland, Mich. Insecticide. 2,044,010; June 16.
Mills, Lindley E., and B. L. Fayerweather, assignors to The Dow Chemical Company, Midland, Mich. Mono-cyclohexyl-1,2-dehydroxybenzenes. 2,044,318; June 16.
Mills, Wallace C., assignor to J. L. Clark Manufacturing Co., Rockford, Ill. Metallic container. 2,044,093; June 16.
Mitchell, John E., Marion, Va. Combined burial casket and grave vault. 2,044,439; June 16.
Mitchell, Malcolm E., P. P. Mortensen, and H. W. Fowler, Oakland, Calif.; said Mitchell assignor to said Mortensen and said Fowler. Coupling. 2,044,252; June 16.
Molinari, Cesare. (See Luzzati, S., and Molinari.)
Möller, Ragnar O. J., Finspong, Sweden. Radial flow turbine. 2,044,540; June 16.
Monitor Controller Company. (See Frese, Joseph F., assignor.)
Monroe, John E., New Orleans, La. Automatic overload release clutch. 2,044,712; June 16.
Moore, Arlington, assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y. Auxiliary carburation for internal combustion engines. 2,044,094; June 16.
Moore, George L., Chicago, Ill. Card table. 2,044,588; June 16.
Moore, Hugh K., assignor to Brown Company, Berlin, N. H. Evaporating process and apparatus therefor. 2,044,095; June 16.
Moran, Matthew F., Kansas City, Mo. Dry cleaning system. 2,044,096; June 16.
Moran, Patrick J., Newark, N. J., assignor to Irving Rosner, New York, N. Y. Woman's garment. 2,044,623; June 16.
Morgan, Erving B., and W. M. Hanson, assignors to American Seating Company, Grand Rapids, Mich. Easel. 2,044,589; June 16.
Morgan, Walter D., Ladysmith, Wis. Combined pulling, picking-up, and transporting attachment for excavators. 2,044,624; June 16.
Morris, George J., Los Angeles, Calif. Bathtub stopper. 2,044,253; June 16.
Morse, George P., and L. Lidsky, Brooklyn, N. Y. Hand truck. 2,044,363; June 16.
Mortensen, Peter E. (See Mitchell, M. E., Mortensen, and Fowler.)
Moss, Benjamin F. (See Smart, N. C., and Moss.)
Mueller, Ervin H., Detroit, Mich. Locking valve. 2,044,254; June 16.
Muffly, Glenn, Scarsdale, N. Y. Refrigeration apparatus. 2,044,482; June 16.
Murphy, Henry J., assignor to Bibb Manufacturing Company, Macon, Ga. Loom for weaving crinkle cloth. 2,044,440; June 16.
Murphy, Howard J., Greenwood, assignor to United-Carr Fastener Corporation, Cambridge, Mass. Installation for drain plugs and drain plug elevating members. 2,044,625; June 16.
Murray Corporation of America, The. (See Oliver, G. F., and Scholtz, assignors.)
Mussey, William H., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill. Vehicle heating system. 2,044,733; June 16.

Myers, Frank L., and H. V. Smith, Toledo, Ohio, assignors to Owens-Illinois Glass Company. Framework for air filters. 2,044,221; June 16.
National Aniline & Chemical Company. (See Perkins, R. L., and Sweet, assignors.)
National Aniline & Chemical Company. (See Perkins, Robert L., assignor.)
National Engineering Corporation. (See Pond, Dwight W., assignor.)
National Metal Edge Box Company. (See Junkin, Malcolm P., assignor.)
Naugler, Walter E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Folding machine. 2,044,097; June 16.
Nechtow, Norman N., Los Angeles, Calif. Dental machine. 2,044,255; June 16.
Neher, Charles, Berwyn, assignor to Templeton, Kenly & Co. Limited, Chicago, Ill. Pull rod jack. 2,044,483; June 16.
Neuhaus, Ralph, assignor to Hughes Tool Company, Houston, Tex. Blow-out preventer. 2,044,590; June 16.
Newberry, Thomas R., San Angelo, Tex. Shank support. 2,044,319; June 16.
Newhouse, Ray C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Apparatus for stress relieving welded joints. 2,044,734; June 16.
New Jersey Zinc Company, The. (See Grady, Lester D., Jr., assignor.)
Newton, John S., Forest Hills, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Mercury collector resistance welding. 2,044,180; June 16.
Nickel, Robert H. (See Weinreich, G., and Nickel.)
Nicoll, Benjamin F., Sr., New Orleans, La. Safety razor. 2,044,222; June 16.
Nigoul, Osmin P. F., Hussein Dey, Algeria. Envelope for letters. 2,044,541; June 16.
Nones, Joseph A., New York, N. Y. Refrigerator. 2,044,011; June 16.
Norris, George E., Columbus, Ohio. Combined vending and amusement machine. 2,044,320; June 16.
North & Judd Manufacturing Company. (See Freysinger, John B., assignor.)
Nothstine, Paul A., Dayton, Ohio. Automatic flashing lamp. 2,044,256; June 16.
Novak, Izador J., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn. Multiple impregnating device for paper manufacture. 2,044,012; June 16.
Nowlin, Edward M., Kansas City, Mo. Wheeled pulverizing and grading machine. 2,044,507; June 16.
Nozawa, Ichiro, Tsukishima, Kyobashi-ku, Tokyo, Japan. Constructing arcuate structures with no staging. 2,044,321; June 16.
Nu Size Company, The. (See Burgard, Charles R., assignor.)
Nuss, August J., Hollywood, assignor of one-half to R. C. Palmer, Whittier, Calif. Cigarette vending machine. 2,044,441; June 16.
Nuttall, James H., Glendale, Calif. Method of and apparatus for producing and reproducing sound. 2,044,223; June 16.
Nyrop, Johan E., Copenhagen, Denmark. Concentrating latex. 2,044,626; June 16.
Odell, Allan F., Upper Montclair, N. J., assignor to Du Pont Viscoloid Company, Wilmington, Del. Fountain pen barrel. 2,044,161; June 16.
Offenbacher, Emil, Nuremberg, Germany. Grinding disk with core of wire netting. 2,044,442; June 16.
Oil Well Supply Company. (See Maier, August R., assignor.)
Oliver, George F., Detroit, and H. G. Scholtz, Wyandotte, Mich., assignors to The Murray Corporation of America. Bending tubing. 2,044,522; June 16.
Oliver, Wallace F., assignor to Hydraulic Brake Company, Detroit, Mich. Ironing machine. 2,044,323; June 16.
Olsson, Bengt, Brooklyn, assignor to Acme Tank Cleaning Process Corporation, New York, N. Y. Oil pumping apparatus. 2,044,013; June 16.
Oppenheim, René, assignor to Societe Anonyme Le Carbone, Gennevilliers, France. Alkali primary cell with depolarization by air. 2,044,128; June 16.
Ortiz, William F., San Francisco, Calif. Mechanical pinning device. 2,044,627; June 16.
O'Toole, Edward, Gary, W. Va. Treating coal, ore, grain, and similar materials. 2,044,628; June 16.
Ott, Frank H., Saginaw, Mich. Automotive vehicle driving mechanism. 2,044,182; June 16.
Ott, Karl H. Bernard, and F. Frick, Urdingen, Germany, assignors, by mesne assignments, to E. I. Du Pont de Nemours & Company, Wilmington, Del. Resinous bodies and varnishes obtained therewith. 2,044,747; June 16.
Ott, Oran W., Los Angeles, Calif., assignor to The Fulton Sylphon Company, Knoxville, Tenn. Preventing siphonic action. 2,044,443; June 16.
Owens-Illinois Glass Company. (See Barnby, Herbert A., assignor.)
Owens-Illinois Glass Company. (See Hoge, John R., assignor.)
Owens-Illinois Glass Company. (See Kinker, Clarence C., assignor.)
Owens-Illinois Glass Company. (See Myers, F. L., and Smith, assignors.)
Packard Motor Car Company. (See Woolson, Lionel M., assignor.)
Packers Equipment Development Company. (See Middaugh, John B., assignor.)
Page, Charles L., Philadelphia, Pa. Latch knitting needle. 2,044,324; June 16.
Palmer, Robert C. (See Nuss, August J., assignor.)
Pan-American Engineering Corporation. (See Kraut, Max, assignor.)
Panstwowa Wytwornia Prochu. (See Dunin-Markiewicz, S., Sudlitz, and Smiśniewicz, assignors.)
Państwowe Wytwórnie Prochu. (See Kardaszewicz, Jerzy, assignor.)
Parker, Arthur L., Cleveland, Ohio. Check valve for fluid pressure pipes. 2,044,629; June 16.
Parkin, Winfred T., assignor to Theodore W. Foster and Bro. Company, Providence, R. I. Container closure. 2,044,508; June 16.
Parry, Amos G., assignor to Telescope Folding Furniture Company, Incorporated, Granville, N. Y. Folding furniture. 2,044,364; June 16.
Patock, Charles, assignor of one-third to F. E. Hummel, Chicago, Ill. Spark plug. 2,044,325; June 16.
Pätzold, Johannes, Berlin-Charlottenburg, and H. Böhm, Berlin, assignors, by mesne assignments, to Siemens-Reiniger-Werke, Aktiengesellschaft, Erlangen, Germany. Apparatus for electromedical treatment. 2,044,257; June 16.
Payne, Claron R. (See Stevens, D. R., and Payne.)
Payne, Ernest J., Dallas, Tex. Ventilator. 2,044,098; June 16.
Pearce, Leo J., assignor of one-half to L. M. Chambers, Olathe, Kans. Highway construction. 2,044,498; June 16.
Pearson, William J., Los Angeles, Calif., assignor to Postal Automatic Machines, Inc. Zero-setting device. 2,044,756; June 16.
Pearson, William J., and T. I. Brown, Los Angeles, Calif., assignors to Postal Automatic Machines, Inc. Multidenominational stamp printing and value metering machine. 2,044,755; June 16.
Pederson, John P., Chicago, Ill., assignor to W. F. Hall Printing Company. Apparatus for applying adhesive. 2,044,365; June 16.
Pelton, Henry, assignor to The Stanley Works, New Britain, Conn. Motorized construction toy. 2,044,735; June 16.
Penn Electric Switch Co. (See Persons, Lawrence M., assignor.)
Penniman, William B. D., Baltimore, Md. Making oxidized products. 2,044,014; June 16.
Penning, Frans M., Eindhoven, Netherlands, assignor to Radio Corporation of America. Gas-filled electric discharge tube. 2,044,591; June 16.
Peple, Gustave A., Jr., Richmond, Va. Head lamp. 2,044,224; June 16.
Perau, Louis W., Lyle, Minn. Bean pick-up guard. 2,044,396; June 16.
Perfect Circle Company, The. (See Teetor, Charles N., assignor.)
Perfect Circle Company, The. (See Troendly, Harry P., assignor.)
Perkins, Lester C., assignor to D. J. Bissell, Spokane, Wash. Door closer. 2,044,509; June 16.
Perkins, Robert L., East Aurora, assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Amino-alkoxy-benzamides and preparing the same. 2,044,016; June 16.
Perkins, Robert L., and A. J. Sweet, East Aurora, assignors to National Aniline & Chemical Company, Inc., New York, N. Y. Benzonitriles and making. 2,044,015; June 16.
Perotti, Paul, et al. (See Kämmel, Hugo, assignor.)
Persons, Lawrence M., assignor to Penn Electric Switch Co., Des Moines, Iowa. Temperature responsive switch. 2,044,397; June 16.
Peters, Peter N., Brooklyn, N. Y. Automobile safety device. 2,044,183; June 16.
Peterson, Conrad E., Malden, assignor to De Long Gum Co., South Boston, Mass. Machine for making confections. 2,04,748; June 16.
Pfister, William A. (See Price, E., and Pfister.)
Phelps, Joseph, Stamford, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Manifold inking ribbon. 2,044,630; June 16.
Phelps, Joseph, Herkimer, assignor to Remington Rand Inc., New York, N. Y. Typewriting machine. 2,044,631; June 16.
Philadelphia Quartz Company. (See Cleveland, Theodore K., assignor.)
Philadelphia Quartz Company. (See Cleveland, T. K., and Stericker, assignors.)
Pickard, Oliver J., Philadelphia, Pa. Detachable cutter blade pile wire. 2,044,632; June 16.
Pickell, Luther V., Harriman, Tenn. Feeder. 2,044,326; June 16.
Pierson, Gordon G., Lansdale, Pa. Separation and recovery of au, pt, pd, se, te, and as by means of mercurous salts. 2,044,366; June 16.
Pierson, William D., and G. W. Jackman, assignors to The Waterbury Farrel Foundry & Machine Company, Waterbury, Conn. High speed wire drawing machine. 2,044,484; June 16.

Piggott, Henry A., and G. S. J. White, Blackley, Manchester, assignors to Imperial Chemical Industries Limited, Westminster, England. Treatment of leather. 2,044,099; June 16.

Policini, Ralph, New York, N. Y. Combination brooch and clasp. 2,044,225; June 16.

Pond, Dwight W., assignor to National Engineering Corporation, Terryville, Conn. Bushings for connecters. 2,044,444; June 16.

Pool, Noel E., and F. N. Curby, Salt Lake City, Utah. Apparatus for shirt or merchandise display. 2,044,398; June 16.

Poor, Bernard T., Fall River, Mass. Wall outlet. 2,044,633; June 16.

Popp, Rudolf. (See McGill, C. S., and Popp.)

Porter, Irving D. (See Wynne, Robert J., assignor.)

Postal Automatic Machines, Inc. (See Lawrence, George W., assignor.)

Postal Automatic Machines, Inc. (See Pearson, William J., assignor.)

Postal Automatic Machines, Inc. (See Pearson, W. J., and Brown, assignors.)

Potdevin Machine Company. (See Ettl, Joseph, assignor.)

Powers, Frank T., Douglaston, N. Y. Apparatus for making negatives. 2,044,184; June 16.

Pratt, William H., Lynn, Mass., assignor to General Electric Company. Electrical meter. 2,044,542; June 16.

Price, Emil, and W. A. Pfister, Los Angeles, Calif. Shower head. 2,044,445; June 16.

Pryke, Percy W. (See Hackett, W. H., and Pryke.)

Puetz, Harold H. (See Knight, Oliver D., assignor.)

Pugh, Earl C., assignor to The Band Box Corporation, St. Louis, Mo. Cleaning apparatus. 2,044,185; June 16.

Pullman-Standard Car Manufacturing Company. (See Musser, William H., assignor.)

Purdy, Fred A., Scarsdale, and H. McL. Purdy, New York, N. Y., and E. Letsch, Union City, N. J., assignors to General Register Corporation, Philadelphia, Pa. Ticket printing, issuing, and accounting machine. 2,044,367; June 16.

Purdy, Herbert McL. (See Purdy, Fred A. and H. McL., and Letsch.)

Putnam, James R., assignor to The Waterbury Clock Company, Waterbury, Conn. Alarm clock. 2,044,543; June 16.

Quimby, Edwin M., Columbia, S. C. Can opener. 2,044,327; June 16.

Radioaktiengesellschaft D. S. Lowe. (See von Ardenne, Manfred, assignor.)

Radio Corporation of America. (See Farnham, Paul O., assignor.)

Radio Corporation of America. (See Garrett, Charles R., assignor.)

Radio Corporation of America. (See Goldsmith, Alfred N., assignor.)

Radio Corporation of America. (See Hansell, Clarence W., assignor.)

Radio Corporation of America. (See Jonker, Johan L. H., assignor.)

Radio Corporation of America. (See Penning, Frans M., assignor.)

Radio Corporation of America. (See Tunick, Harry, assignor.)

Radio Corporation of America. (See Usselman, George L., assignor.)

Radtke, Bruno, assignor to Exhibit Supply Company, Chicago, Ill. Game apparatus. 2,044,328; June 16.

Raeck, Max, Dessau-Haidedurg in Anhalt, and A. Thurm, Dessau in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Azo dyes and their production. 2,044,329; June 16.

Raffenbeul, Rudolf, Hagen-Vorhalle, Germany. Rail fastening. 2,044,446; June 16.

Raney, Estel C., assignor to The Automatic Reclosing Circuit Breaker Company, Columbus, Ohio. Control apparatus. 2,044,736; June 16.

Rankin, Renville S., Hastings, assignor to The Dorr Company, Inc., New York, N. Y. Water softening. 2,044,583; June 16.

Rankin, Renville S., Chicago, Ill., assignor to The Dorr Company, Inc., New York, N. Y. Water softening. 2,044,584; June 16.

Rantin, Horace M., Atlanta, Ga. Attachment for multiple printing. 2,044,124; June 16.

Rathburn, Emory L., Alexandria, Ind., assignor, by mesne assignments, to The Mantle Lamp Company of America, Chicago, Ill. Catalytic fuel generator. 2,044,544; June 16.

Rawlins, Herbert L., Wilkinsburg, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,044,226; June 16.

Raybestos-Manhattan, Inc. (See Novak, Izador J., assignor.)

Raylite Trading Co. Inc. (See Grant, Albert E., assignor.)

Rechnitzer, Rudolf, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany. Indicator. 2,044,100; June 16.

Reel, Herbert W., Hinsdale, assignor to The United States Gypsum Co., Chicago, Ill. Ceiling construction. 2,044,101; June 16.

Reilly, Alfred F., assignor to Evans Case Company, North Attleboro, Mass. Setting jewels. 2,044,510; June 16.

Remington Rand Inc. (See Lasker, William W., assignor.)

Remington Rand Inc. (See Phelps, Joseph, assignor.)

Remington Rand Inc. (See Shepard, Herbert C., assignor.)

Remington Typewriter Company. (See Going, George G., assignor.)

Remington Typewriter Company. (See Phelps, Joseph, assignor.)

Research Corporation. (See Gilbert, Chester G., assignor.)

Reynaud, Samuel C., assignor to Detroit Steel Products Company, Detroit, Mich. Window. 2,044,258; June 16.

Rheiner, Alfred, and J. Link, assignors to the firm "Chemical Works formerly Sandos", Basel, Switzerland. Sulphonation of waxes. 2,044,399; June 16.

Rheiner, Alfred, and J. Link, assignors to the firm Chemical Works formerly Sandoz, Basel, Switzerland. Sulphonation of oils or their fatty acids. 2,044,400; June 16.

Rice, Joseph, assignor of one-half to Elevator Company of America, Chicago, Ill. Elevator control device. 2,044,447; June 16.

Richards, Carroll H., Wellesley, Mass. Truck body handling system. 2,044,592; June 16.

Richter, Alfred, Berlin-Reinickendorf-Ost, Germany. Air conditioner. 2,044,330; June 16.

Rieder, William, Lebanon, Ill. Electric liquid heater. 2,044,634; June 16.

Riester, Hubert, Collingswood, N. J. Screw cutting attachment for lathes. 2,044,635; June 16.

Ritchie, William B., and R. L. Delano, assignors to Weeden Manufacturing Corporation, New Bedford, Mass. Toy railway. 2,044,787; June 16.

Rivers, Durward S., Indianapolis, Ind. Circuit interrupter. 2,044,448; June 16.

Rivers, Durward S., and R. B. Storms, Indianapolis, Ind. Reset fuse plug. 2,044,449; June 16.

Robb, Harry C., Jr., Syracuse, N. Y., assignor to Highway Trailer Company, Edgerton, Wis. Lock control for fifth wheel couplings and the like. 2,044,227; June 16.

Robb, Robert E., Evansville, Ind. Apparatus for proportioning and weighing batch weights. 2,044,017; June 16.

Roberts, Henry H., Philadelphia, Pa. Hair clipper. 2,044,259; June 16.

Roberts, Joseph K., Hammond, Ind., assignor to Standard Oil Company (Indiana), Chicago, Ill. Converting hydrocarbon oils. 2,044,636; June 16.

Robinson, Charles W., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Fertilizer discharging mechanism. 2,044,186; June 16.

Rodman Duplicator Corporation. (See Rodman, Samuel, assignor.)

Rodman, Samuel, Oakland, Calif., assignor to Rodman Duplicator Corporation. Stencil-printing machine. 2,044,738; June 16.

Roemer, George R., Brooklyn, N. Y., assignor of one-half to Henry A. Roemer, Youngstown, Ohio. Rolling mill. 2,044,545; June 16.

Roemer, Henry A. (See Roemer, George R., assignor.)

Rogers, Ivan, Detroit, Mich. Beater. 2,044,331; June 16.

Rogers, Raymond R. (See Armstrong, P. A. E., and Rogers.)

Roos, Carlisle K., Wheaton, assignor to United States Gypsum Company, Chicago, Ill. Core composition and manufacturing same. 2,044,401; June 16.

Roper, Thomas D., Jr. (See Cox, H. L., and Roper.)

Rosett, Walter, Oakcrest, Va., and F. R. Bichowsky, Washington, D. C. Separation of lithium salts. 2,044,018; June 16.

Rosewarne, Ferry F., Lowell, Mich. Grain-sampling mechanism. 2,044,102; June 16.

Rosner, Irving. (See Moran, Patrick J., assignor.)

Ross, David E., assignor to Rostone, Incorporated, Lafayette, Ind. Building construction. 2,044,637; June 16.

Rossi, Harry, assignor to Robert Gair Company, Inc., New York, N. Y. Knock-down end closing carton. 2,044,103; June 16.

Rostone, Incorporated. (See Ross, David E., assignor.)

Rotary Patented Displays, Inc. (See Thorstensen, Charles H., assignor.)

Rowe, Donald C., W. Tydon and F. E. Fiader, Kenmore, N. Y., assignors to Curtiss Aeroplane & Motor Company, Inc. Differential screw. 2,044,368; June 16.

Rowland, Davidge H., assignor to Locke Insulator Corporation, Baltimore, Md. Apparatus for forming ceramic products. 2,044,332; June 16.

Rückert, Josef, Zuckmantel, Czechoslovakia. Production of shuttles. 2,044,402; June 16.

Rutter, Alvah E., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Plow. 2,044,718; June 16.

Ryan, Harry M., and K. G. Ryan, South Strathfield, New South Wales, Australia. Fault indicator and rectifier for electrical circuits of motor vehicles. 2,044,546; June 16.

Ryan, Kenneth G. (See Ryan, H. M., and Ryan.)

Ryschkewitsch, Eugen, Frankfort-on-the-Main, Germany. Burner. 2,044,511; June 16.

S K F Industries, Inc. (See Brodin, Eric C., assignor.)

Sabbah, Camille A., deceased, by W. A. Dodge, administrator, Schenectady, N. Y., assignor to General Electric Company. Balancing means for rectifiers. 2,044,593; June 16.

Sabin, Ernest E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating upon soles. 2,044,104; June 16.

Sabin, Levi J., Youngstown, Ohio. Glove. 2,044,105; June 16.

St. Joseph Iron Works. (See Schmidtke, Albert H., assignor.)

Samuel, Arthur L., Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electron discharge device. 2,044,869; June 16.

Sanford, Hugh W., Knoxville, Tenn. Drop bottom mine car. 2,044,019; June 16.

Sanford, Hugh W., Knoxville, Tenn. Drop bottom mine car. 2,044,638; June 16.

Sassen, Bernard, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Automatic pattern controlled milling machine. 2,044,020; June 16.

Saturn Heater Corporation. (See Hodges, Lee W., assignor.)

Scaffolding (Great Britain) Limited. (See Jones, David H., assignor.)

Scantlebury, Harold E. (See Barkelew, J. T., and Scantlebury.)

Schachtel, Otto, assignor to Theo. A. Kochs Company, Chicago, Ill. Chair base. 2,044,021; June 16.

Schaich, Wilhelm. (See Schirmacher, K., Schaich, Wolfram, Tampke, Billig, and Schirmacher.)

Schat, Ane P., Utrecht, Netherlands. Means for handling a ship's lifeboat. 2,044,403; June 16.

Schausell, Albert P., and J. E. Gleason, assignors to Gleason Works, Rochester, N. Y. Machine for producing gears. 2,044,485; June 16.

Schiele, Henry, Oradell, N. J. Portable cast reenforced concrete step. 2,044,260; June 16.

Schiltz, Bernard P., Cleveland, Ohio, assignor, by mesne assignments, to The Bullard Company, Bridgeport, Conn. Machining metallic workpieces. 2,044,497; June 16.

Schirmacher, Karl, deceased, by W. Schirmacher and E. Weidgen, geb. Schirmacher, heirs, Frankfort-on-the-Main-Hochst, W. Schaich, Bad Soden-on-the-Taunus, A. Wolfram, Frankfort-on-the-Main-Rhodelheim, and H. Tampke, K. Billig, and W. Schirmacher, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Preparing dyestuffs of the N.N-dihydro-1,2,2',1'-anthraquinone azine series and new intermediate products obtainable thereby. 2,044,404; June 16.

Schirmacher, Werner, heirs et al. (See Schirmacher, K., Schaich, Wolfram, Tampke, Billig, and Schirmacher.)

Schlacht, Herman, Woodhaven, N. Y. Automatically opening tubular watchcase. 2,044,228; June 16.

Schlesinger, Kurt, Berlin, Germany. Ultra-short wave auxiliary apparatus for radio receivers. 2,044,229; June 16.

Schmidt, Erwin J., assignor to Allied Engineering Company, Chicago, Ill. Antifriction bearing. 2,044,405; June 16.

Schmidt, Richard, Dessau in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Marking sound and moving picture film for the purpose of synchronization. 2,044,333; June 16.

Schmidtke, Albert H., assignor to St. Joseph Iron Works, St. Joseph, Mich. Basket handle. 2,044,547; June 16.

Schneider, Julius L., Chicago, Ill., assignor to Continental Can Company, New York, N. Y. Packaging nut meats. 2,044,639; June 16.

Schol, Carl H., Allendorf, near Dillenburg, Germany. Apparatus for blowing up liquid slag or melt into a highly porous mass of the character of pumice. 2,044,450; June 16.

Scholfield, Carl W., Guilford, Conn. Pump. 2,044,594; June 16.

Scholtz, Harry G. (See Oliver, G. F., and Scholtz.)

Schulthess, Ernest, South Orange, N. J. Coupling device. 2,044,335; June 16.

Schulz, Arthur P. (See Teller, J., and Schulz.)

Schumacher, Erwin A., Lakewood, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Battery cell. 2,044,406; June 16.

Schumann, Lawrence R., Brooklyn, assignor to Star Brush Manufacturing Co., Inc., Long Island City, N. Y. Brush. 2,044,595; June 16.

Schuster, Fritz, Chemnitz, Germany. Pressing or treatment roller. 2,044,640; June 16.

Schwartz, Jacob R., Brooklyn, N. Y. Bridge pontic. 2,044,106; June 16.

Schwartzman, Jacob, Brooklyn, N. Y. Wire fabric for bedsprings and other articles. 2,044,336; June 16.

Schwarz, Eugene, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill. Adjustable lamp standard. 2,044,187; June 16.

Schwennker, Charles F., Schenectady, N. Y., assignor to General Electric Company. Cutting machine. 2,044,548; June 16.

Scott, Floyd L., assignor to Hughes Tool Company, Houston, Tex. Three-cutter bit. 2,044,549; June 16.

Secretary of War of the United States of America. (See Conlon, T. A. and Beatty, assignors.)

Seiber, Andrew G., Louisville, assignor to Wood-Mosaic Co., Incorporated, Highland Park, Louisville, Ky. Method and apparatus for producing veneer wood. 2,044,230; June 16.

Servel, Inc. (See Hedlund, William T., assignor.)

Servel, Inc. (See Thomas, Albert R., assignor.)

Sexton, Wilfred A. (See Knight, A. H., and Sexton.)

Seybold, Frederick W. (See Lewis, H. I., and Seybold.)

Shaw, Albert L., Corinne, Utah. Picture frame. 2,044,125; June 16.

Shepard, Herbert C., Frankfort, assignor to Remington Rand Inc., New York, N. Y. Type bar segment and anvil. 2,044,641; June 16.

Sherwell Controls, Inc. (See Stedwell, George W., assignor.)

Shinn, William C., assignor to Chicago Lock Company, Chicago, Ill. Coin chute. 2,044,107; June 16.

Shodron, John G., assignor to James Manufacturing Company, Fort Atkinson, Wis. Method and apparatus for storage, curing, and preservation of hay. 2,044,870; June 16.

Shoemaker, Jacob. (See Wright, Sherman, assignor.)

Shrewsbury, Raymond D., Shidler, Okla. Combination seat and bed arrangement for coupes and the like. 2,044,334; June 16.

Shuler, John H. (See Dorfman, H. D., and Shuler.)

Siemens-Reiniger-Werke, Aktiengesellschaft. (See Pätzold, J., and Böhm, assignors.)

Simplex Engineering Company. (See Wilson, John N., assignor.)

Sinquefield, Rex W., assignor of one-half to E. M. Crosby, St. Louis, Mo. Airplane. 2,044,108; June 16.

Sipp-Eastwood Corporation. (See Klein, Frederick, assignor.)

Slater Shelving System. (See Slater, Walter L., assignor.)

Slater, Walter L., Watsonville, Calif., assignor to Slater Shelving System. Adjustable shelving bracket. 2,044,642; June 16.

Slaymaker Lock Company, The. (See Hite, Edward W., assignor.)

Sloop, Clifford E., Columbus, Ga. Electricity service meter. 2,044,643; June 16.

Smart, Norman C., Binley, near Coventry, and B. F. Moss, Coventry, assignors to The General Electric Company Limited, London, England. Lift. 2,044,126; June 16.

Smisniewicz, Tadeusz. (See Dunin-Markiewicz, Sudlitz, and Smisniewicz.)

Smith, Alva T., Stamford Center, Ontario, Canada, assignor of one-third to A. F. Bowers, Niagara Falls, and one-third to J. A. Gardiner, Buffalo, N. Y. Bag dispensing cabinet. 2,044,231; June 16.

Smith, Charles E., New York, N. Y. Coconut oil base material package. 2,044,596; June 16.

Smith, Earl K. (See Edwards, D. V., and Smith.)

Smith, Ellis R., Blanchard, Pa. Step mat. 2,044,407; June 16.

Smith, Harry V. (See Myers, F. L., and Smith.)

Smith, Hazor J., assignor to Superstat Company, Springfield, Mass. Control by integration. 2,044,127; June 16.

Smith, Hazor J., assignor to Superstat Company, Springfield, Mass. Weather integrator. 2,044,128; June 16.

Smith, S. & Sons (Motor Accessories), Limited. (See Dorer, P. O., and Landstad, assignors.)

Smith, Thomas W., Yanceyville, assignor of one-half to F. B. Horton, Ruffin, N. C. Pump. 2,044,408; June 16.

Snyder, Herbert W., Lima, Ohio, assignor to The Standard Stoker Company, Incorporated. Locomotive stoker. 2,044,109; June 16.

Société Anonyme: Fours et Appareils Stein. (See Stein, Charles M., assignor.)

Societe Anonyme le Carbone. (See Oppenheim, René, assignor.)

Soukup, Frank R., Long Beach, Calif. Can cover remover. 2,044,129; June 16.

Southgate, George T., Forest Hills, N. Y. Electrolytic purification of water. 2,044,261; June 16.

Sowter, Percy F. C., Spondon, near Derby, England, assignor to Celanese Corporation of America. Textile yarn and the manufacture thereof. 2,044,130; June 16.

Spellman, Isador. (See Miller, C., and Spellman.)

Sperry, Elmer A., Jr., Brooklyn, B. G. Carlson, Bellerose, and M. F. Bates, assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Artificial horizon. 2,044,151; June 16.

Sperry Gyroscope Company. (See Carlson, Bert G., assignor.)

Sperry Gyroscope Company. (See Sperry, E. A., Jr., Carlson, and Bates, assignors.)

Spickler, Charles A., Yardley, Pa. Cleaning attachment for integral line-casting type machines. 2,044,486; June 16.

Sporn, Philip. (See Cornell, E. S., Freitag, and Sporn.)

Staege, Stephen A., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Transparency meter. 2,044,131; June 16.

Stair, Carlyle B., Downers Grove, Ill. Safety razor. 2,044,189; June 16.

Stakmore Co. (See Geller, Roscoe G., assignor.)

Stalcup, Ernest F., Rutledge, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cooling apparatus. 2,044,022; June 16.

Stalcup, Ernest F., Rutledge, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Cooling apparatus. 2,044,644; June 16.

Stålhane, Johan B., assignor to Bolidens Gruvaktiebolag, Stockholm, Sweden. Arsenate - aluminate - cement. 2,044,337; June 16.

Standard Oil Company (Indiana). (See Roberts, Joseph K., assignor.)

Standard Stoker Company, The. (See Anderson, Howard P., assignor.)
Standard Stoker Company, The. (See Ketchpel, Paul A., assignor.)
Standard Stoker Company, The. (See Snyder, Herbert W., assignor.)
Standard Ticket Games Corporation. (See Kirk, C. R., and Collison, assignors.)
Stanley Works, The. (See Pelton, Henry, assignor.)
Stapleton, Arthur W., and R. H. Hatfield, London, England. Radio receiving system. 2,044,645; June 16.
Star Brush Manufacturing Co. (See Schumann, Lawrence R., assignor.)
Stedwell, George W., Brooklyn, assignor to Sherwell Controls, Inc., New York, N. Y. Liquid dispensing. 2,044,027; June 16.
Stegeman, Henry J., Fairfield, assignor to The Locke Steel Chain Company, Bridgeport, Conn. Take-up device. 2,044,719; June 16.
Stein, Charles M., assignor to Société Anonyme: Fours et Appareils Stein, Paris, France. Flow control mechanism. 2,044,646; June 16.
Steinmetz, George R., Tiffin, Ohio. Identification card holder. 2,044,190; June 16.
Stericker, William. (See Cleveland, T. K., and Stericker.)
Stevens, Charles W., Bexley, Ohio. Hanger for gas meters. 2,044,647; June 16.
Stevens, Donald R., and C. B. Payne, assignors, by mesne assignments, to Gulf Oil Corporation, Pittsburgh, Pa. Degumming and stabilizing hydrocarbon distillates. 2,044,739; June 16.
Stevens, Harry F., Bartlesville, Okla. Sidewall formation sampler. 2,044,648; June 16.
Stevenson, James A., Hamilton, Ohio. Garden cultivator. 2,044,262; June 16.
Steward, Colby W., Manchester, Conn., assignor to Curtiss Aeroplane & Motor Company, Inc. Retractable landing gear. 2,044,338; June 16.
Stewart, Robert J. (See Huntley, G. J., and Stewart.)
Stille Inventions Limited. (See von Heising, Kurt, assignor.)
Stoddard, Edgar S., Berwyn, assignor to The Conover Company, Chicago, Ill. Dishwashing machine. 2,044,132; June 16.
Stokes and Smith Company. (See Federwitz, Theodore A., assignor.)
Stolz, Joseph, Sachenhausen-in-Mark, J. Hanke and G. Lux, Berlin-Charlottenburg, and R. Logstädt, Berlin-Schoneberg, Germany, assignors to Westinghouse Electric and Manufacturing Company. Circuit breaker. 2,044,133; June 16.
Storer, Norman W., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Transportation apparatus. 2,044,134; June 16.
Storms, Roy B. (See Rivers, D. S., and Storms.)
Stoyan, John, East Kildonan, assignor to Canada Packers Limited, St. Boniface, Manitoba, Canada. Rotary induction branding unit. 2,044,263; June 16.
Stoyan, John, East Kildonan, assignor to Canada Packers Limited, St. Boniface, Manitoba, Canada. Rotary conduction branding unit. 2,044,264; June 16.
Stronach, Harry S., assignor to Strowan Corporation, Oak Park, Ill. Nail and making same. 2,044,740; June 16.
Stroud, Paul G., assignor to Belmont Hosiery Company, Belmont, N. H. Take-up mechanism for knitting machines. 2,044,741; June 16.
Strowan Corporation. (See Stronach, Harry S., assignor.)
Sudlitz, Czeslaw. (See Dunin-Markiewicz, Sudlitz, and Smiśniewicz.)
Sulzer Frères Société Anonyme. (See Walti, Heinrich, assignor.)
Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Separable fastener. 2,044,191; June 16.
Superstat Company. (See Smith, Hazor J., assignor.)
Svenska Aktiebolaget Gasaccumulator. (See Dalén, G., and Björklund, assignors.)
Swanson, Esther E. R., Milwaukee, Wis. Detachable heel lift. 2,044,409; June 16.
Swart, Leland K., Mountain Lakes, N. J., assignor to American Telephone and Telegraph Company. Electrical protective system. 2,044,512; June 16.
Sweet, Alvin J. (See Perkins, R. L., and Sweet.)
Swennes, Benjamin A., Rockford, Ill., and R. S. Trott, Denver, Colo.; said Swennes assignor to said Trott. Engine mounting. 2,044,649; June 16.
Syncro Machine Company. (See Fantone, C. B., and Jameson, assignors.)
Szekely, Ernest, assignor to Bayley Blower Company, Milwaukee, Wis. Rotor for a blower. 2,044,028; June 16.
Tampke, Hans. (See Schirmacher, K., Schaich, Wolfram, Tampke, Billig, and Schirmacher.)
Tatum, John J., Baltimore, Md. Car body construction. 2,044,513; June 16.
Tatum, John J., Baltimore, Md. Journal box bearing. 2,044,514; June 16.
Tatum, John J., Baltimore, Md. Car body construction. 2,044,515; June 16.
Taylor, William I., Spondon, near Derby, England, assignor to Celanese Corporation of America. Production of artificial textile materials. 2,044,135; June 16.
Taylor, William I., Spondon, near Derby, England, assignor to Celanese Corporation of America. Treatment and manufacture of artificial yarns, threads, filaments, and the like. 2,044,136; June 16.
Teetor, Charles N., assignor to The Perfect Circle Company, Hagerstown, Ind. Piston ring expander. 2,044,451; June 16.
Teissèdre, Gustave, Strassburg-Alsace, France. Typewriter. 2,044,550; June 16.
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Hollmann, Hans E., assignor.)
Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Rechnitzer, Rudolf, assignor.)
Telescope Folding Furniture Company. (See Parry, Amos G., assignor.)
Teller, Jacob, New Rochelle, and A. P. Schulz, Rockford, Ill., assignor to Teller Stove Designing Corporation, New York, N. Y. Range construction. 2,044,516; June 16.
Teller Stove Designing Corporation. (See Teller, J., and Schulz, assignors.)
Templeton, Kenly & Co. Limited. (See Neher, Charles, assignor.)
Templin, Justin D., Jr., Whitefish, Mont. Tree holder. 2,044,192; June 16.
Tenney, Albert B. (See Laghetto, Louis, assignor.)
Terhune, Leonard B., Newark, N. J., assignor to Dupont Viscoloid Company, Wilmington, Del. Brush drilling machine. 2,044,339; June 16.
Terry, Charles M., assignor to A. W. Cash Company, Decatur, Ill. Adjustable loading means. 2,044,452; June 16.
Tetlow, Max W., Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Attaching soles to shoes. 2,044,029; June 16.
Textile Machine Works. (See Meyer, C. F., and Zwicky, assignors.)
Thomas, Albert R., Evansville, Ind., assignor, by mesne assignments, to Servel, Inc., Dover, Del. Refrigeration. 2,044,597; June 16.
Thomas, George H., Walla Walla, Wash. Portable gate. 2,044,265; June 16.
Thomas, Olive M., New Bucalo, Mich. Upright laundry receptacle. 2,044,517; June 16.
Thompson, Henry R., assignor of one-half to E. T. Fenwick, East Falls Church, Va. Junction box. 2,044,650; June 16.
Thornberry, Albert E., Cambridge, Ohio. Dental instrument. 2,044,410; June 16.
Thorp, James M., Almeda, Calif. Solar bathing window. 2,044,030; June 16.
Thorstensen, Charles H., assignor to Rotary Patented Displays, Inc., Ogden, Utah. Merchandise display and ordering device. 2,044,518; June 16.
Thurm, Alfred. (See Raeck, M., and Thurm.)
Timken-Detroit Axle Company, The. (See Alden, Herbert W., assignor.)
Timken-Detroit Axle Company, The. (See Alden, H. W., and Buckendale, assignors.)
Tjaarda, John, Birmingham, assignor to Briggs Manufacturing Company, Detroit, Mich. Wheel suspension and steering mechanism. 2,044,232; June 16.
Tollefsen, Reidar A. (See Klein, M., and Tollefsen.)
Tompsett, Frank G., Omaha, Nebr. Motion lamp. 2,044,551; June 16.
Traquair, John. (See Clark, J. d'A., and Traquair.)
Tridex Machine Corporation. (See Alvord, Clayton H., assignor.)
Trimbach, Clem G., Kenmore, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc. Gun installation and firing means. 2,044,340; June 16.
Troendly, Harry P., Chicago, Ill., assignor to The Perfect Circle Company, Hagerstown, Ind. Piston ring expander. 2,044,453; June 16.
Trott, Rolland S. (See Swennes, B. A., and Trott.)
Trott, Rolland S., Denver, Colo. Engine mounting. 2,044,023; June 16.
Trott, Rolland S., Denver, Colo. Engine mounting. 2,044,713; June 16.
Trott, Rolland S., Denver, Colo. Engine mounting. 2,044,714; June 16.
Trudeau, John F., Little Silver, assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J. Transfer conveyer. 2,044,198; June 16.
Tuck, George A., San Francisco, Calif. Heating furnace. 2,044,371; June 16.
Tunick, Harry, Rye, N. Y., assignor to Radio Corporation of America. Crystal controlled oscillator circuits. 2,044,137; June 16.
Turner Company, The. (See Johnson, Harry W., assignor.)
Twomey, Lee S., Vista, Calif. Reboiler and condenser. 2,044,372; June 16.
Tydon, Walter. (See Rowe, D. C., Tydon, and Fiader.)
Tyler, W. S., Company, The. (See Wettlaufer, William L., assignor.)
Underwood Elliott Fisher Company. (See Helmond, William F., assignor.)
Unger, Paul O., Glen Ellyn, assignor to Wilson Jones Company, Chicago, Ill. Sheet retaining device. 2,044,138; June 16.
Ungerer, Fritz, Pforzheim, Germany. Plate straightening machine. 2,044,373; June 16.
Union Carbide and Carbon Corporation. (See Cox, H. L., and Roper, assignors.)

Union Carbide and Carbon Corporation. (See Dana, Leo I., assignor.)
Union Carbide and Carbon Corporation. (See Edwards, Harry D., assignor.)
Union Carbide and Carbon Corporation. (See Schumacher, Erwin A., assignor.)
Union Switch & Signal Company, The. (See Bell, Charles W., assignor.)
United Carr Fastener Corporation. (See Blanchard, Edwin S., assignor.)
United-Carr Fastener Corporation. (See Murphy, Howard J., assignor.)
United Shoe Machinery Corporation. (See Brostrom, Charles G., assignor.)
United Shoe Machinery Corporation. (See Glass, Perley R., assignor.)
United Shoe Machinery Corporation. (See Lyon, Harry, assignor.)
United Shoe Machinery Corporation. (See Naugler, Walter E., assignor.)
United Shoe Machinery Corporation. (See Sabin, Ernest E., assignor.)
United Shoe Machinery Corporation. (See Tetlow, Max W., assignor.)
United States Gauge Company. (See Klein, M., and Tollefsen, assignors.)
United States Gypsum Co., The. (See Reel, Herbert W., assignor.)
United States Gypsum Company. (See Roos, Carlisle K., assignor.)
United States Rubber Company. (See Barnard, A. E., and Messer, assignors.)
United States Steel Corporation. (See Bain, E. C., and Aborn, assignors.)
U. S. Submarine Motorship Dredge, Inc. (See Lord, Mount C., assignor.)
Usselman, George L., Rocky Point, N. Y., assignor to Radio Corporation of America. Automatic idle time keying unit. 2,044,519; June 16.
Usselman, George L., Port Jefferson, N. Y., assignor to Radio Corporation of America. Phase rotation detector and frequency regulator. 2,044,749; June 16.
Van Nieuwland, John, Holland, Mich. Turntable. 2,044,031; June 16.
Vaughan, Leonce, Jr., Hartsville, S. C. Device for measuring stiffness of sheet. 2,044,411; June 16.
Veeder-Root, Incorporated. (See Bliss, Harvey N., assignor.)
Visser, Johan M., Nijmegen, Netherlands. Preparing dry powder from emulsions and solutions. 2,044,194; June 16.
Vogt, Clarence W., assignor to Vogt Processes, Incorporated, Louisville, Ky. Apparatus for refrigerating articles in transit. 2,044,032; June 16.
Vogt Processes, Incorporated. (See Vogt, Clarence W., assignor.)
Von Ardenne, Manfred, Berlin, assignor to Radioaktiengesellschaft D. S. Lowe, Berlin-Steglitz, Germany. Superheterodyne receiver for ultrashort waves. 2,044,374; June 16.
Von Heising, Kurt, Mill Hill, assignor to Stille Inventions Limited, London, England. Speaking head. 2,044,033; June 16.
Wagner, Harry, Newark, N. J. Arch supporting wedge. 2,044,233; June 16.
Wainman, Frank H., Brooklyn, and J. Hamberger, New York, N. Y., assignor of thirty-five per cent to C. J. Hauk, Jr., thirty per cent to said Wainman, and thirty-five per cent to said Hamberger. Thermostatic fire alarm. 2,044,651; June 16.
Waldorf Paper Products Company. (See Boeye, Paul F., assignor.)
Walker, Bernard M., Los Angeles, Calif. Lubricator adapter for springs. 2,044,375; June 16.
Walker, Charles, Knoxville, Tenn. Multiple universal vending machine for vending solid and liquid bodies. 2,044,110; June 16.
Walker, Norman L., Lewiston, N. Y. Sand spreading apparatus. 2,044,652; June 16.
Wallace, David A., assignor to Chrysler Corporation, Detroit, Mich. Tappet. 2,044,598; June 16.
Wallace, Henry A., Secretary of Agriculture of the United States of America. (See Haller, H. L. J., and La Forge, assignors.)
Walper, Gordon R., Huntington Woods, Mich. Manufacturing wallboard. 2,044,234; June 16.
Walti, Heinrich, Winterthur-Wulfinger, assignor to Sulzer Frères Société Anonyme, Winterthur, Switzerland. Internal combustion engine. 2,044,552; June 16.
Warner, James L., Tulsa, Okla. Violin-piano. 2,044,111; June 16.
Waterbury Clock Company, The. (See Putnam, James R., assignor.)
Waterbury Farrel Foundry & Machine Company, The. (See Pierson, W. D., and Jackman, assignors.)
Water Level Controls Company. (See Hollinshead, William H., assignor.)
Waters, Daniel V. (See Ewaldson, W. C., and Waters.)
Watson, Charles A. H., Highland Park, and F. E. McKinster, assignors to McCord Radiator & Mfg. Co., Detroit, Mich. Motor control system. 2,044,034; June 16.
Weatherhead Company, The. (See Baldwin, John D., Jr., assignor.)
Webber, Thomas M., assignor to A. P. Ball, Detroit, Mich. Folding table. 2,044,235; June 16.
Weber, Louis F., Worcester, Mass. Card dealing device. 2,044,266; June 16.
Webster, Jesse P., Portland, Oreg. Animal food processing machine. 2,044,376; June 16.
Weeden Manufacturing Corporation. (See Ritchie, W. B., and Delano, assignors.)
Weiant, Warren S., Jr., Newark, Ohio. Soap dish. 2,044,520; June 16.
Weidgen, Elizabeth, heirs, et al. (See Schirmacher, Karl.)
Weiertz, Axel H. and P. A. R., Landskrona, Sweden. Charge forming device for internal combustion engines. 2,044,412; June 16.
Weiertz, Per A. R. (See Weiertz, Axel H. and P. A. R.)
Weiland, Harry M., Woodmere, and J. N. Furman, Brooklyn, N. Y. Combination chin strap and hair cap. 2,044,521; June 16.
Weinreich, George, Oakville, and R. H. Nickel, St. Louis, Mo. Power transmission. 2,044,599; June 16.
Weiss, Arthur J., St. Albans, assignor to Robert Gair Company, Inc., New York, N. Y. Knock-down display receptacle. 2,044,035; June 16.
Welch, Francis C., Fond du Lac, assignor to The Western Lime & Cement Co., Milwaukee, Wis. Making a low consistency hydrated lime. 2,044,553; June 16.
Wells, Edward C., assignor to Boeing Aircraft Company, Seattle, Wash. Gun mount. 2,044,036; June 16.
Welter, Howard C., Evanston, Ill. Contact cable terminal. 2,044,554; June 16.
Welty, Albert B., Moline, Ill., assignor to International Harvester Company. Harvester-thresher. 2,044,189; June 16.
Wemp, Ernest E., Detroit, Mich. Centifugal clutch. 2,044,487; June 16.
Wendt, Charles M., Flint, and J. Chisholm, Grand Blanc, Mich. Combined car heater and windshield cleaner. 2,044,488; June 16.
Western Electric Company. (See Devaux, Lucien, assignor.)
Western Electric Company. (See Ewaldson, W. C., and Waters, assignors.)
Western Electric Company. (See Manley, L. M., and McCarthy, assignors.)
Western Lime & Cement Co., The. (See Welch, Francis C., assignor.)
Westinghouse Electric Elevator Company. (See Clancy, John F., assignor.)
Westinghouse Electric Elevator Company. (See Dunlop, James, assignor.)
Westinghouse Electric & Manufacturing Company. (See Beard, Joseph G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bernarde, Henry L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Bletz, Edward, assignor.)
Westinghouse Electric & Manufacturing Company. (See Bostwick, Myron A., assignor.)
Westinghouse Electric and Manufacturing Company. (See Brooks, R. R., Willby, and Austin, assignors.)
Westinghouse Electric & Manufacturing Company. (See Dorfman, H. D., and Shuler, assignors.)
Westinghouse Electric & Manufacturing Company. (See Gulliksen, Finn H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Halliwell, George P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lewis, W. A., and Evans, assignors.)
Westinghouse Electric & Manufacturing Company. (See McCulloch, Leon, assignor.)
Westinghouse Electric & Manufacturing Company. (See Newton, John S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rawlins, Herbert L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Staege, Stephen A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Stalcup, Ernest F., assignor.)
Westinghouse Electric and Manufacturing Company. (See Stolz, J., Hanke, Lux, and Logstädt, assignors.)
Westinghouse Electric & Manufacturing Company. (See Storer, Norman W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wheeler, Floyd S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wulsten, Kurt, assignor.)
Wettlaufer, William L., Buffalo, N. Y., assignor to The W. S. Tyler Company, Cleveland, Ohio. Crusher. 2,044,653; June 16.
Weyrich, Rudolf, Brunn, Czechoslovakia. Transmitter and receiver for electromagnetic waves. 2,044,413; June 16.
Wheeler, Clyde H., Midland Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Coin collector apparatus. 2,044,037; June 16.
Wheeler, Floyd S., Alexandria, Va., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Range control system. 2,044,140; June 16.
Wheeling Steel Corporation. (See Conner, G. O., and Karges, assignors.)
White, George S. J. (See Piggott, H. A., and White.)
White Motor Company, The. (See Brumbaugh, Andrew K., assignor.)

Whited, Milo O., near Centralia, Wash. Pneumatic wheel. 2,044,654; June 16.
Whitin Machine Works. (See Kovar, John H., assignor.)
Widmann, Edward T., Washington, D. C. Massage implement. 2,044,112; June 16.
Wiggins, Lynn E., El Monte, Calif. Film magazine. 2,044,267; June 16.
Wiley, Samuel, Metuchen, N. J. Flare. 2,044,024; June 16.
Wilkinson, Walter, Rye, assignor to Air Reduction Company, Incorporated, New York, N. Y. Manufacture of alcohols. 2,044,414; June 16.
Willby, Norman H. (See Brooks, R. R., Willby, and Austin.)
Williams, Harry E., Los Angeles, Calif. Amusement apparatus. 2,044,268; June 16.
Williams, Harry M., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,044,600; June 16.
Williams, Roy R., Detroit, Mich. Stamp display and vending device. 2,044,141; June 16.
Williams, Walter W., Bloomington, Ill. Lubricating system. 2,044,269; June 16.
Wilson, John N., assignor to Simplex Engineering Company, Washington, Pa. Furnace port. 2,044,655; June 16.
Wilson-Jones Company. (See Unger, Paul O., assignor.)
Wilson, Lyman A., and J. Johnson, New York, N. Y. Photographic film printing apparatus. 2,044,454; June 16.
Winckler, Max, Miltitz, near Leipzig, Germany. Heating substances. 2,044,195; June 16.
Windas, Thomas F., Santa Barbara, Calif. Electric switch. 2,044,025; June 16.
Winters & Crampton Corporation. (See Geske, C., and Yost, assignors.)
Winters, Lewis B. (See Hedelund, Fred T., assignor.)
Wintjen, John G., Mount Vernon, N. Y. Sweat band. 2,044,038; June 16.
Witzel, Ernst, assignor to Young Radiator Company, Racine, Wis. Distributing head for evaporators. 2,044,455; June 16.
Wolfram, Arthur. (See Schirmacher, K., Schaich, Wolfram, Tampke, Billig, and Schirmacher.)
Wollner, Herbert J., Brooklyn, assignor to General Chemical Company, New York, N. Y. Adsorbent. 2,044,341; June 16.
Wood, Wilfred R., assignor to Combustion Engineering Co. Inc., New York, N. Y. Steam generator. 2,044,270; June 16.
Woodcock, Joseph C., Cliffside Park, N. J., assignor to The Barrett Company, New York, N. Y. Apparatus for distributing road-binding material. 2,044,039; June 16.
Woodley, Gordon T. K., Waterford, Ontario, Canada. Draft equalizer. 2,044,271; June 16.
Woodman, George A., Chicago, Ill. Journal box lid. 2,044,040; June 16.
Wood-Mosaic Co. (See Seiber, Andrew G., assignor.)
Woodruff, Henry S., Schenectady, N. Y., assignor to General Electric Company. Closure for an observation opening. 2,044,555; June 16.
Woods, Gorham W., assignor to Hughes Tool Company, Houston, Tex. Vibrating magazine for applying hard material. 2,044,556; June 16.
Woolson, Emma F., executrix. (See Woolson, Lionel M.)
Woolson, Lionel M., deceased, late of Detroit, by E. F. Woolson, executrix, Bloomfield Village, assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 2,044,113; June 16.
Wright, Sherman, Forest, assignor of one-half to J. Shoemaker, Frankfort, Ind. Tongs. 2,044,656; June 16.
Wulsten, Kurt, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Circuit interrupter. 2,044,142; June 16.
Wurtele, Allan R., New Roads, La. Internal combustion engine. 2,044,522; June 16.
Wynne, Robert J., Bellwood, assignor to I. D. Porter, River Forest, Ill. Bottle washing and conveying mechanism. 2,044,041; June 16.
Yates, Charles E., Perth Amboy, N. J., assignor, by mesne assignments, to Anaconda Copper Mining Company, New York, N. Y. Method and apparatus for electrodeposition. 2,044,415; June 16.
Yeager, Frank W., Grantwood, N. J., assignor to The Barrett Company, New York, N. Y. Process and apparatus for applying shields to pipes. 2,044,456; June 16.
Yost, Clyde E. (See Geske, C., and Yost.)
Young, Fred M., Racine, Wis. Heat exchanger. 2,044,457; June 16.
Young, Karl B., Houston, Tex. Well apparatus. 2,044,657; June 16.
Young Radiator Company. (See Witzel, Ernst, assignor.)
Youngstown Sheet and Tube Company, The. (See Adams, James L., Jr., assignor.)
Z-Flex Piston Ring Corporation, The. (See Zahodiakin, Victor F., assigner.)
Zahodiakin, Victor F., Cincinnati, Ohio, assignor to The Z-Flex Piston Ring Corporation. Piston ring. 2,044,272; June 16.
Zahodiakin, Victor F., Cincinnati, Ohio, assignor to The Z-Flex Piston Ring Corporation. Piston ring. 2,044,273; June 16.
Zahodiakin, Victor F., Cincinnati, Ohio, assignor to The Z-Flex Piston Ring Corporation. Piston ring. 2,044,274; June 16.
Zeldis, Louis B., Philadelphia, Pa. Constructing double curtains of trousers. 2,044,236; June 16.
Zimmer Manufacturing Company. (See Hawley, Jesse E., assignor.)
Zook, David F., Evanston, Ill. Motor vehicle brake. 2,044,490; June 16.
Zornig, Hermann H., United States Army, Newhall, Iowa. Fuse for projectiles. 2,044,026; June 16.
Zwicky, Melchior. (See Meyer, C. F., and Zwicky.)

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 16TH DAY OF JUNE, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive articles, Rotary bonded. A. H. Prey. 20,012; June 16.
Door construction for refrigerators. A. A. Canton. 20,004; June 16.
Drawing. J. M. Hothersall. 20,009; June 16.
Duct for current distributing systems. H. J. L. Frank and W. A. Harper. 20,005; June 16.
Gate valves by means of fluid pressure from any desired distance, Attachment for operating. C. Hall, Jr. 20,007; June 16.
Hoist lever construction, Hydraulic. R. E. Smith. 20,013; June 16.
Oils, Cracking and coking hydrocarbon. H. L. Pelzer. 20,011; June 16.
Piston. A. L. Nelson. 20,010; June 16.
Sorting machine. L. E. Barnes. 20,003; June 16.
Traffic control device. L. A. Gilman. 20,006; June 16.
Wall structure. E. F. Hauserman, L. D. Mowery and J. A. Bohnsack. 20,008; June 16.

LIST OF PLANT INVENTIONS

Rose. R. H. Kistler. 183; June 16.
Pomegranate. E. C. Trauernicht. 184; June 16.

LIST OF DESIGN INVENTIONS

Ash receiver. J. Visser. 100,057; June 16.
Ashtray. R. W. Griswold. 100,021; June 16.
Ashtray or similar article of manufacture. H. G. Dyke. 100,009; June 16.
Ashtray, Shell ash. A. H. Hutchinson. 100,024; June 16.
Axe head. H. A. Vaughan. 100,056; June 16.
Base or similar article, Lamp. H. M. Laxer. 100,031; June 16.
Bottle. E. M. Fleischmann. 100,011; June 16.
Bottle. M. Luft. 100,077; June 16.
Bottle. J. C. Sheridan. 100,050; June 16.
Bottle. G. Smith, Jr. 100,054–5; June 16.
Bow for a shoe. W. F. O'Brien. 100,038; June 16.
Box, Watch display. B. S. Katz. 100,026; June 16.
Bread, Toasted. W. H. Brooks. 99,993–6; June 16.
Buckle. J. J. Walsh. 100,058–62; June 16.
Cabinet, Combination storage and refrigerator. L. J. Gottschalk. 100,017; June 16.
Cabinet, Refrigerator. C. A. Frick. 100,073; June 16.
Candlestick or similar article. L. A. Goldsmith. 100,016; June 16.
Cap for electric light bulbs, Transparent. R. M. Bristol. 99,991; June 16.
Car body, Rail. E. E. Adams, M. P. Blomberg, W. H. Mussey and W. B. Stout. 100,001–2; June 16.
Car or similar article, Articulated rail. E. E. Adams, M. P. Blomberg, W. H. Mussey, and W. B. Stout. 100,000; June 16.
Carton. M. Messing. 100,035; June 16.
Case, Combined display and carrying. H. C. Bates. 99,987; June 16.
Chair frame or similar article. C. F. Rauch. 100,041; June 16.
Clock, Globe pendulum. B. Braude. 99,999; June 16.
Coat. S. Lipman. 100,076; June 16.
Coat. C. Siegerman. 100,051; June 16.
Coat or similar article. G. A. Brunell. 100,071; June 16.
Dispenser, Commodity. B. L. Richardson. 100,042; June 16.
Display figure or analogous article. E. Krummeck. 100,075; June 16.
Dress. M. Mullen. 100,079; June 16.
Fabric, Elastic. F. Murray. 100,036; June 16.
Fabric for a curtain or similar article, Mesh. M. Sadinoff. 100,044–6; June 16.
Fabric or similar article, Elastic. H. Aull. 99,983–5; June 16.
Fixture, Illuminating. E. F. Guth. 100,019–20; June 16.
Fixture, Lighting. C. A. Godshalk. 100,015; June 16.
Flashlight. H. G. Graubner. 100,074; June 16.
Floor fitting, Electrical. J. W. Wiesmann. 100,082; June 16.
Game board. L. Levy. 100,033; June 16.
Glass, Cocktail drinking. J. Perry. 100,039; June 16.
Glove. J. J. Fox. 100,072; June 16.
Goblet, Glass. G. Dougherty. 100,007; June 16.
Grave vault. R. P. Henderson. 100,023; June 16.
Handle, Burial vault. R. P. Henderson. 100,022; June 16.
Handle, Drawer. F. W. McCormick. 100,034; June 16.
Holder, ashtray, and extinguisher, Combined cigarette. H. E. Ridewood. 100,043; June 16.
Housing and base for a power tool machine or similar article, Combined. H. L. van Doren. 100,081; June 16.
Jar. D. Factor. 100,010; June 16.
Jar. E. W. Fuerst. 100,014; June 16.
Lamp or similar article. W. Klehr. 100,027–9; June 16.
Leather or similar article. N. Brezmer. 99,990; June 16.
Lens, Stop and tail lamp. S. M. Dover. 100,008; June 16.
Mount, Photographic. E. Koudelka. 100,030; June 16.
Negligee. S. S. Pedlar. 100,080; June 16.
Ornament, Automobile radiator. H. Brandies. 99,989; June 16.
Ornament, Dancing figure. L. K. Franklin. 100,013; June 16.
Ornament, Radiator. H. Brandies. 99,988; June 16.
Pail or the like, Paper. T. T. Jepson. 100,025; June 16.
Plate or similar article. Y. Buma. 100,063–70; June 16.
Pump and reversible head combination, Rotary. P. C. Petersen. 100,040; June 16.
Ring. S. dit C. Arpels. 99,982; June 16.
Shoe. J. W. Barbey. 99,986; June 16.
Shoe. J. M. Derr. 100,006; June 16.
Shoe. G. Naidor. 100,037; June 16.
Shoe. M. Simons. 100,052; June 16.
Shoe. C. W. Smith. 100,053; June 16.
Shoe. M. Zuckerman. 100,003; June 16.
Shoe or similar article. D. E. Levin. 100,032; June 16.
Shoe or similar article. A. Wertheim. 99,997–8; June 16.
Signal, Railway crossing. F. W. Griswold. 100,018; June 16.
Spoon or other article of flatware. E. J. Conroy. 100,005; June 16.
Stand, Smoking. E. Schultz. 100,047–9; June 16.
Stocking. J. E. Quinn. 100,004; June 16.
Stove. H. L. Ford. 100,012; June 16.
Stove, Cook. J. R. Morgan. 100,078; June 16.
Tire. G. W. Anderson. 99,981; June 16.
Tire. H. A. Brittain. 99,992; June 16.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 16TH DAY OF JUNE, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Acid by the contact process, Production of sulphuric. C. B. Clark. 2,044,419; June 16.
Acid from gases containing the same, Separation of carbonic. E. Hackhofer and A. Beuther. 2,044,116; June 16.
Adhesive and method of bonding. T. K. Cleveland and W. Stericker. 2,044,466; June 16.
Adhesive, Apparatus for applying. J. P. Pederson. 2,044,365; June 16.
Adjustable seat. H. M. Erwin. 2,044,675; June 16.
Adsorbent. H. J. Wollner. 2,044,341; June 16.
Aileron control for folding wings. J. A. Kerr. 2,044,357; June 16.
Air condition indicator. F. Bullock. 2,044,239; June 16.
Air conditioner. A. Richter. 2,044,330; June 16.
Air conditioning apparatus. M. F. May. 2,044,538; June 16.
Air conditioning system. W. A. Evans. 2,044,352; June 16.
Air heater. G. Bluemel. 2,044,715; June 16.
Air inlet valve, Auxiliary. R. N. Abbott. 2,044,342; June 16.
Air navigation apparatus. J. A. McNally. 2,044,009; June 16.
Airplane. R. W. Sinquefield. 2,044,108; June 16.
Air release mechanism for dispensing apparatus. C. P. Griffith. 2,044,727; June 16.
Alarm, Thermostatic fire. F. H. Wainman and J. Hamberger. 2,044,651; June 16.
Alcohols, Manufacture of. W. Wilkinson. 2,044,414; June 16.
Alcohols, Production of. F. R. Balcar. 2,044,417; June 16.
Alkali primary cell with depolarization by air. R. Oppenheim. 2,044,123; June 16.
Alloys, High strength. G. P. Halliwell. 2,044,165; June 16.
Amino-alkoxy-benzamides and preparing the same. R. L. Perkins. 2,044,016; June 16.
Aminohydroquinone-di-(beta-hydroxyethyl) ether and producing same. A. H. Knight and W. A. Sexton. 2,044,083; June 16.
Ammonium sulphate, Producing. H. Heimann. 2,044,167; June 16.
Amusement apparatus. H. E. Williams. 2,044,268; June 16.
Animal restraining and feeding device, Combined. O. P. Laufer. 2,044,312; June 16.
Antifriction bearing. E. J. Schmidt. 2,044,405; June 16.
Aqueous suspension compositions. R. and M. F. Cross. 2,044,758; June 16.
Arc discharge device, Electrostatically controlled. O. W. Livingston. 2,044,618; June 16.
Arch, Adjustable. J. A. Fikany. 2,044,751; June 16.
Arcuate structures with no staging, Constructing. I. Nozawa. 2,044,321; June 16.
Article feeding apparatus. E. M. Marchand. 2,044,394; June 16.
Articles in transit, Apparatus for refrigerating. C. W. Vogt. 2,044,032; June 16.
Ashtray. K. Bashur. 2,044,377; June 16.
Asphalt, Producing an emulsifiable. C. E. Hite. 2,044,570; June 16.
Atomizer. K. L. Martin. 2,044,091; June 16.
Au, pt, pd, se, te, and as by means of mercurous salts, Separation and recovery of. G. G. Pierson. 2,044,866; June 16.
Automatic flashing lamp. P. A. Nothstine. 2,044,256; June 16.
Automobile safety device. P. N. Peters. 2,044,183; June 16.
Axle, Vehicle. L. D. Kay. 2,044,389; June 16.
Baby-garment or nightshirt with a safety device. E. Kiehs. 2,044,390; June 16.
Bags, Apparatus for making. J. Koenig. 2,044,476; June 16.
Bait, Artificial. H. Kalyu. 2,044,702; June 16.
Balancing means for rectifiers. C. A. Sabbah. 2,044,593; June 16.
Ball table. J. McLoughlin. 2,044,177; June 16.
Band, Sweat. J. G. Wintjen. 2,044,038; June 16.
Basket handle. A. H. Schmidtke. 2,044,547; June 16.
Batch weights, Apparatus for proportioning and weighing. R. E. Robb. 2,044,017; June 16.
Bath, Constant temperature. C. S. Hornberger. 2,044,573; June 16.
Battery cell. E. A. Schumacher. 2,044,406; June 16.
Beam hanger. A. R. Maier. 2,044,536; June 16.

Bearing: *See*—
Antifriction bearing. Journal box bearing.
Bearing and seal therefor. L. D. Cobb. 2,044,380; June 16.
Bearing construction, Roller. L. R. Heim. 2,044,168; June 16.
Beater. I. Rogers. 2,044,331; June 16.
Benzonitriles and process for making. R. L. Perkins and A. J. Sweet. 2,044,015; June 16.
Bit: *See*—
Three-cutter bit.
Blasting apparatus, Multiple firing. H. W. Burney. 2,044,666; June 16.
Block: *See*—
Concrete block.
Blood at a certain part of the human body, Device for collecting the. B. Höflinger. 2,044,691; June 16.
Blow-out preventer. R. Neuhaus. 2,044,590; June 16.
Board, Manufacture hard. F. A. Irvine. 2,044,213; June 16.
Bottle closure and dispenser. A. Landrin. 2,044,706; June 16.
Bottle, Nonrefillable. L. A. Iblein. 2,044,171; June 16.
Bottle washing and conveying mechanism. R. J. Wynne. 2,044,041; June 16.
Bowl, Water closet. G. P. Gavin. 2,044,243; June 16.
Box: *See*—
Junction box.
Box. I. Hill. 2,044,301; June 16.
Box machine. T. Federwitz. 2,044,606; June 16.
Brace: *See*—
Guard rail brace.
Bracket: *See*—
Shelving bracket.
Brake: *See*—
Vehicle brake.
Brake mechanism, Vehicle reverse. W. W. Kelly. 2,044,475; June 16.
Braking device. W. C. Ewaldson and D. V. Waters. 2,044,070; June 16.
Braking means, Vehicle. L. H. Messinger, Jr. 2,044,316; June 16.
Branding unit, Rotary conduction. J. Stoyan. 2,044,264; June 16.
Branding unit, Rotary induction. J. Stoyan. 2,044,263; June 16.
Brassières, Device for reshaping. A. L. Livingston. 2,044,479; June 16.
Bridge pontic. J. R. Schwartz. 2,044,106; June 16.
Brooch and clasp, Combination. R. Polcini. 2,044,225; June 16.
Brush. L. R. Schumann. 2,044,595; June 16.
Brush drilling machine. L. B. Terhune. 2,044,339; June 16.
Building construction. D. E. Ross. 2,044,637; June 16.
Burner: *See*—
Fuel burner.
Burner. R. M. Hardgrove. 2,044,206; June 16.
Burner. H. J. Keeley. 2,044,215; June 16.
Burner. E. Ryschkewitsch. 2,044,511; June 16.
Burners, Producing Bunsen. H. Guhl. 2,044,528; June 16.
Bus clamp. E. S. Cornell, H. D. Freitag, and P. Sporn. 2,044,604; June 16.
Bushings for connecters. D. W. Pond. 2,044,444; June 16.
Cabinet, Bag dispensing. A. T. Smith. 2,044,231; June 16.
Cable cutter. H. Gustafson. 2,044,683; June 16.
Cable terminal, Contact. H. C. Welter. 2,044,554; June 16.
Cage for antifriction bearings. E. C. Brodin. 2,044,663; June 16.
Camera, Photographic. H. Klifft. 2,044,484; June 16.
Car body construction. J. J. Tatum. 2,044,513; June 16.
Car body construction. J. J. Tatum. 2,044,515; June 16.
Car, Drop bottom mine. H. W. Sanford. 2,044,019; June 16.
Car, Drop bottom mine. H. W. Sanford. 2,044,638; June 16.
Carbon dioxide, Purifying commercial. H. G. Carmichael. 2,044,279; June 16.
Carburetion for internal combustion engines, Auxiliary. A. Moore. 2,044,094; June 16.
Carburetor. F. A. Kommer. 2,044,173; June 16.
Card dealing device. L. F. Weber. 2,044,266; June 16.
Card punching machine. W. W. Lasker. 2,044,707–8; June 16.
Card table. G. L. Moore. 2,044,588; June 16.

Carrier: *See*—
Shock carrier.
Carton, Knockdown and closing. H. Rossi. 2,044,103; June 16.
Cartridge, Blasting. J. Barab. 2,044,345; June 16.
Casein, Manufacture of. F. H. Clickner. 2,044,282; June 16.
Casing: *See*—
Vending machine casing.
Casket and grave vault, Combined burial. J. E. Mitchell. 2,044,439; June 16.
Casting, Apparatus for. G. M. Kuettel. 2,044,359; June 16.
Catalytic fuel generator. E. L. Rathburn. 2,044,544; June 16.
Ceiling construction. H. W. Reel. 2,044,101; June 16.
Celluloid articles, Making. C. R. Keeran. 2,044,356; June 16.
Cement, Arsenate-aluminate. J. B. Stålhane. 2,044,337; June 16.
Centrifugal clutch. E. E. Wemp. 2,044,487; June 16.
Centrifugal switch. C. B. Fantone and R. M. Jameson. 2,044,160; June 16.
Ceramic products, Apparatus for forming. D. H. Rowland. 2,044,332; June 16.
Cereals and podded grains, Device for hulling and polishing. L. Kaspar, Sr., and N. Kistner. 2,044,531; June 16.
Chain gear. J. Dunlop. 2,044,158; June 16.
Chair: *See*—
Folding chair.
Chair and the like. F. W. Crossley-Holland. 2,044,212; June 16.
Chair base. O. Schachtel. 2,044,021; June 16.
Chamber determination of sound absorption, Portable closed. W. F. Alder. 2,043,984; June 16.
Charge forming device for internal combustion engines. A. H. and P. A. R. Welertz. 2,044,412; June 16.
Chest, Tool. J. Bents. 2,044,661; June 16.
Chromate-ion reaction. W. J. Harshaw. 2,044,244; June 16.
Chute, Coin. W. C. Shinn. 2,044,107; June 16.
Cigarette vending machine. A. J. Nuss. 2,044,441; June 16.
Circuit breaker. H. D. Dorfman and J. H. Shuler. 2,044,157; June 16.
Circuit breaker. J. Stolz, J. Hanke, G. Lux, and R. Logstädt. 2,044,133; June 16.
Circuit controlling device. C. R. Kemper. 2,044,080; June 16.
Circuit controlling system. W. H. Hollinshead. 2,044,746; June 16.
Circuit, Electron discharge device. H. E. Hollmann. 2,044,003; June 16.
Circuit interrupter. H. L. Rawlins. 2,044,226; June 16.
Circuit interrupter. D. S. Rivers. 2,044,448; June 16.
Circuit interrupter. K. Wulsten. 2,044,142; June 16.
Circuits, Crystal controlled oscillator. H. Tunick. 2,044,137; June 16.
Circuits, Oscillator-detector. P. O. Farnham. 2,044,071; June 16.
Circuits, Receiving. C. W. Hansell. 2,044,745; June 16.
Clamp: *See*—
Bus clamp.
Clamp for scaffolding. D. H. Jones. 2,044,700; June 16.
Cleaning apparatus. E. C. Pugh. 2,044,185; June 16.
Cleaning attachment for integral line-casting type machines. C. A. Spickler. 2,044,486; June 16.
Cleaning composition. F. R. Johnson. 2,044,246; June 16.
Cleaning system, Dry. M. F. Moran. 2,044,096; June 16.
Cleansing pads, Device for moistening and dispensing. J. B. Dargavel. 2,044,284; June 16.
Cleansing preparation. T. K. Cleveland. 2,044,467; June 16.
Clipper, Hair. H. H. Roberts. 2,044,259; June 16.
Clock. A. W. Fowler. 2,044,286; June 16.
Clock. G. F. Mattman. 2,044,314; June 16.
Clock, Alarm. J. R. Putnam. 2,044,543; June 16.
Closure for an observation opening. H. S. Woodruff. 2,044,555; June 16.
Clothesline reel. G. H. Hurley. 2,044,073; June 16.
Clutch: *See*—
Roller clutch.
Coal, ore, grain, and similar materials, Treating. E. O'Toole. 2,044,628; June 16.
Cocoanut paring machine. S. L. Casella. 2,044,418; June 16.
Coconut oil base material package. C. E. Smith. 2,044,596; June 16.
Code writing machine. H. Kümmel. 2,044,580; June 16.
Coin collector apparatus. C. H. Wheeler. 2,044,087; June 16.
Collar, Soft fold. R. Hunter. 2,044,693; June 16.
Communication system. H. W. Johnson. 2,044,805; June 16.
Communication system. W. E. Lindsay. 2,044,891; June 16.
Compositions and method of producing. C. B. Hollabaugh. 2,044,571–2; June 16.
Concrete block. J. W. Briscoe. 2,044,051; June 16.
Condenser: *See*—
Tape condenser.
Connected valve. G. F. Gerdts. 2,044,162; June 16.
Connecter for electric conductors. J. F. Frese. 2,044,679; June 16.
Connecting device. R. C. Holton. 2,044,302; June 16.
Container: *See*—
Dispensing container. Metallic container.
Metal container. Spouted container.
Container. P. F. Boeye. 2,044,048; June 16.
Container. M. P. Junkin. 2,044,701; June 16.
Container. G. J. Kessenich. 2,044,004; June 16.
Container and closure device therefor. H. A. Barnby. 2,044,602; June 16.
Container closure. R. B. Bukolt. 2,044,276; June 16.
Container closure. W. T. Parkin. 2,044,508; June 16.
Control apparatus. F. H. Gulliksen. 2,044,164; June 16.
Control apparatus. E. C. Raney. 2,044,736; June 16.
Control assembly. J. D. Baldwin, Jr. 2,044,492; June 16.
Control by integration. H. J. Smith. 2,044,127; June 16.
Control device. L. W. Eggleston and E. J. Dillman. 2,044,729; June 16.
Control system. H. L. Bernarde. 2,044,146; June 16.
Control system. A. R. Locke. 2,044,006; June 16.
Control system, Automatic. R. R. Brooks, N. H. Willby, and B. O. Austin. 2,044,149; June 16.
Cooling apparatus. E. F. Stalcup. 2,044,022; June 16.
Cooling apparatus. E. F. Stalcup. 2,044,644; June 16.
Copper compounds, Production of finely distributed. F. C. Elphick and J. R. Gray. 2,044,674; June 16.
Core composition and manufacturing same. C. K. Roos. 2,044,401; June 16.
Corn or bunion preventer. U. J. Bertram. 2,044,523; June 16.
Corner post, Dirt set. O. A. Brock. 2,044,053; June 16.
Counter, Key stroke. H. N. Bliss. 2,044,201; June 16.
Counting mechanism. H. N. Bliss. 2,044,200; June 16.
Counting mechanism, Key stroke. H. N. Bliss. 2,044,202; June 16.
Coupling: *See*—
Swivel hose coupling.
Coupling. C. B. Hasford and J. B. McGay. 2,044,298; June 16.
Coupling. M. E. Mitchell, P. E. Mortensen and H. W. Fowler. 2,044,252; June 16.
Coupling device. E. Schulthess. 2,044,335; June 16.
Cover remover, Can. F. R. Soukup. 2,044,129; June 16.
Crankshaft twister. A. T. Hunt. 2,044,170; June 16.
Crusher. W. L. Wettlaufer. 2,044,653; June 16.
Crystal holder. J. G. Beard. 2,044,145; June 16.
Cultivator, Garden. J. A. Stevenson. 2,044,262; June 16.
Curler, Eyelash. G. Glatzer. 2,044,209; June 16.
Curtain control mechanism. T. W. Bickel. 2,043,981; June 16.
Curtains of trousers, Constructing double. L. B. Zeidis. 2,044,236; June 16.
Cutter: *See*—
Cable cutter.
Cutter for lawn mowers, Auxiliary. N. H. Durst. 2,044,159; June 16.
Cutters for hydraulic dredges, Reforming. W. R. Ewing. 2,044,383; June 16.
Cutting machine. C. F. Schwennker. 2,044,548; June 16.
Cutting tool. I. W. Green. 2,044,527; June 16.
Cyclone separator. J. H. Keenan. 2,044,614; June 16.
Dampening printing surfaces of planographic and analogous presses. J. G. Goedike. 2,043,995; June 16.
Dehairing machine. J. B. Middaugh. 2,044,179; June 16.
Dehydrating apparatus. W. B. Goding. 2,044,386; June 16.
Dental instrument. A. E. Thornberry. 2,044,410; June 16.
Dental machine. N. N. Nechtow. 2,044,255; June 16.
Dental matrix holder. W. E. Harper. 2,043,899; June 16.
Derivatives of Urea, Producing poly-substituted. J. Kardaszewicz. 2,044,355; June 16.
Diaphragm for electrical reproduction of sound. E. F. Harford. 2,044,608; June 16.
Diaphragm system and meter utilizing the same, Balanced. R. C. Bradley. 2,044,050; June 16.
Diaphragms, Method of and apparatus for making corrugated. J. G. C. Mantle. 2,044,711; June 16.
Dielectric material and method of producing it. L. McCulloch. 2,044,175; June 16.
Dish, Soap. W. S. Weiant, Jr. 2,044,520; June 16.
Dishwashing machine. C. Caise. 2,044,524; June 16.
Dishwashing machine. E. S. Stoddard. 2,044,132; June 16.
Dispensing container. J. Henchert. 2,044,689; June 16.
Display receptacle, Knock-down. A. J. Weiss. 2,044,085; June 16.
Distillates, Degumming and stabilizing hydrocarbon. D. R. Stevens and C. R. Payne. 2,044,739; June 16.
Dock, Transportable. J. E. Kline. 2,044,703; June 16.
Door closer. L. C. Perkins. 2,044,509; June 16.
Doorlatch. A. Michauka. 2,044,622; June 16.
Door locking mechanism, Automobile. A. W. Easley. 2,044,066; June 16.
Draft equalizer. G. T. K. Woodley. 2,044,271; June 16.
Dress. J. T. Cukor. 2,044,668; June 16.
Drill: *See*—
Rotary drill.
Drinking attachment for pumps. W. Heckart. 2,044,117; June 16.
Driving connection for lace making machines. H. Mehler. 2,044,732; June 16.

Driving mechanism, Freewheel. J. R. Collyear. 2,044,420; June 16.
Dyes and their preparation, Azo. A. H. Knight. 2,044,082; June 16.
Dyes and their production, Azo. M. Raeck and A. Thurm. 2,044,329; June 16.
Dyestuffs and their production, Secondary disazo. A. H. Knight. 2,044,084; June 16.
Dyestuffs. Manufacture of triphenyl-methane. P. W. Carleton. 2,044,562; June 16.
Dyestuffs of the N,N-dihydro-1,2,2',1'-anthraquinone azine series and new intermediate products obtainable thereby, Preparing. K. Schirmacher, W. Schaich, A. Wolfram, H. Tampke, K. Billig, and W. Schirmacher. 2,044,404; June 16.
Easel. E. B. Morgan and W. M. Hanson. 2,044,589; June 16.
Electric discharge tube. J. L. H. Jonker. 2,044,613; June 16.
Electric discharge tube, Gas-filled. F. M. Penning. 2,044,591; June 16.
Electric liquid heater. W. Rieder. 2,044,634; June 16.
Electric switch. T. F. Windas. 2,044,025; June 16.
Electrical meter. W. H. Pratt. 2,044,542; June 16.
Electrical protective system. L. K. Swart. 2,044,512; June 16.
Electricity service meter. C. E. Sloop. 2,044,643; June 16.
Electrode holder. A. Bustamante. 2,044,058; June 16.
Electrodeposition, Method and apparatus for. C. E. Yates. 2,044,415; June 16.
Electromedical treatment, Apparatus for. J. Pätzold and H. Böhm. 2,044,257; June 16.
Electron discharge device. A. L. Samuel. 2,044,369; June 16.
Electron tube. E. Brüche. 2,044,347; June 16.
Electrothermally operated valve. J. V. Giesler and W. B. Mackintosh. 2,044,427; June 16.
Elevator: *See*—
Hydraulic material elevator.
Elevator control device. J. Rice. 2,044,447; June 16.
Engine: *See*—
Internal combustion engine
Two-cycle combustion engine.
Engine priming device. R. B. Bukolt. 2,044,277; June 16.
Envelope for letters. O. P. F. Nigoul. 2,044,541; June 16.
Ethers of glycol, Preparation of dialkyl. H. L. Cox and T. D. Roper, Jr. 2,044,468; June 16.
Evaporating process and apparatus therefor. H. K. Moore. 2,044,095; June 16.
Evaporator, Finned. F. R. Erbach. 2,044,069; June 16.
Exercising device for use in connection with bicycles. L. Back. 2,043,977; June 16.
Expansion joint. R. Hall. 2,044,430; June 16.
Fabric: *See*—
Knitted fabric.
Fan. L. L. Dyer. 2,044,285; June 16.
Fastener: *See*—
Separable fastener.
Slide fastener.
Fault indicator and rectifier for electrical circuits of motor vehicles. H. M. and K. G. Ryan. 2,044,540; June 16.
Feeder. L. V. Pickell. 2,044,326; June 16.
Ferrous bodies, Composite. P. A. E. Armstrong and R. R. Rogers. 2,044,742; June 16.
Fertilizer discharging mechanism. C. W. Robinson. 2,044,186; June 16.
Fertilizer, Manufacture of. H. L. Hartenstein. 2,044,297; June 16.
Fibers and other fine solids, Liquid treating masses of. A. H. Adams. 2,044,458; June 16.
Film feeding device, Motion picture. J. F. Leventhal. 2,044,478; June 16.
Film for the purpose of synchronization, Marking sound and moving picture. R. Schmidt. 2,044,333; June 16.
Film magazine. L. E. Wiggins. 2,044,267; June 16.
Film printing apparatus, Photographic. L. A. Wilson and J. Johnson. 2,044,454; June 16.
Film reel. F. L. Hess. 2,044,569; June 16.
Filming and coating composition. H. A. Levey. 2,044,220; June 16.
Fire extinguishing apparatus. E. A. Lowe. 2,044,313; June 16.
Fire extinguishing apparatus. D. Mapes. 2,044,438; June 16.
Fire fighting apparatus, Portable. I. H. Hatten. 2,044,687; June 16.
Firing mechanism. G. M. McCann and C. T. Kohler. 2,044,008; June 16.
Firing mechanism for automatic firearms. H. Lauf. 2,044,219; June 16.
Fitting, Supply and waste. C. J. Kohler. 2,044,249; June 16.
Flare. S. Wiley. 2,044,024; June 16.
Flow control mechanism. C. M. Stein. 2,044,646; June 16.
Folding chair. R. G. Geller. 2,044,473; June 16.
Folding machine. P. R. Glass. 2,044,289; June 16.
Folding machine. W. E. Naugler. 2,044,097; June 16.
Folding table. T. M. Webber. 2,044,235; June 16.
Food processing machine, Animal. J. F. Webster. 2,044,376; June 16.
Foods, Packaging. R. C. Irons. 2,044,245; June 16.
Football game. W. H. Lundquist. 2,044,506; June 16.
Foot measuring instrument. B. C. Maxwell. 2,044,587; June 16.
Frame: *See*—
Picture frame.
Register frame.
Frame structure for tents, Collapsible. J. Q. Adams. 2,044,659; June 16.
Framework for air filters. F. L. Myers and H. V. Smith. 2,044,221; June 16.
Fuel burner, Liquid. J. Fletcher. 2,044,720; June 16.
Fuel combustion apparatus, Liquid. G. Dalén and G. E. Björklund. 2,043,991; June 16.
Fuel distributor. H. P. Anderson. 2,044,601; June 16.
Furnace: *See*—
Heating furnace.
Tilting furnace.
Furnace port. J. N. Wilson. 2,044,655; June 16.
Furniture. F. A. Hayden. 2,044,166; June 16.
Furniture, Folding. A. G. Parry. 2,044,364; June 16.
Fuse for projectiles. H. H. Zornig. 2,044,026; June 16.
Fuselage construction. G. M. Bellanca. 2,043,980; June 16.
Game. C. P. Michener. 2,044,122; June 16.
Game apparatus. C. R. Kirk and E. E. Collison. 2,044,309; June 16.
Game apparatus. B. Radtke. 2,044,328; June 16.
Garment hanger. B. Balefant and H. Hassan. 2,044,346; June 16.
Garment, Woman's. P. J. Moran. 2,044,623; June 16.
Garter grip. J. Jacobs. 2,044,728; June 16.
Gas, Removing gum-forming constituents from fuel. H. B. Cooke. 2,044,421; June 16.
Gases, Method and apparatus for distributing liquefied. H. D. Edwards. 2,044,673; June 16.
Gate: *See*—
Portable gate.
Gate. A. L. Abbey. 2,044,658; June 16.
Gauge: *See*—
High pressure gauge.
Water gauge.
Gear: *See*—
Chain gear.
Retractable landing gear.
Generator: *See*—
Catalytic fuel generator.
Steam generator.
Heat generator.
Glass-cutting machine. N. H. Klages. 2,044,577; June 16.
Glassware, Flame treating. H. Cory. 2,044,566; June 16.
Glassware forming machine. J. R. Hoge. 2,044,716; June 16.
Glove. L. J. Sabin. 2,044,105; June 16.
Gluing machine. J. Ettl. 2,044,472; June 16.
Golf club. A. L. Daday. 2,044,567; June 16.
Grader, Elevating road. W. T. McGuire. 2,044,315; June 16.
Grain-sampling mechanism. F. F. Rosewarne. 2,044,102; June 16.
Grain separator. J. Barber. 2,043,978; June 16.
Grid construction, Double shielded. O. W. Livingston. 2,044,619; June 16.
Grinding disk with core of wire netting. E. Offenbacher. 2,044,442; June 16.
Grinding machine. M. Carter. 2,044,563–4; June 16.
Grinding machine for paper pulp. F. Lord. 2,044,480; June 16.
Guard, Bean pick-up. L. W. Persau. 2,044,396; June 16.
Guard for typographical machines, Antisplash. J. H. and W. M. Hanson. 2,044,685; June 16.
Guard rail brace, Interlocking. R. P. Clarkson. 2,044,060; June 16.
Gun carriage. A. P. Buquor. 2,044,278; June 16.
Gun installation and firing means. C. G. Trimbach. 2,044,340; June 16.
Gun mount. E. C. Wells. 2,044,036; June 16.
Gun sight. R. C. Coupland. 2,043,990; June 16.
Gyroscopic device. E. Angeloni. 2,044,343; June 16.
Handle: *See*—
Basket handle.
Umbrella handle.
Receptacle handle.
Handle structure for corn poppers and the like. W. E. Gundelfinger. 2,044,388; June 16.
Hanger: *See*—
Beam hanger.
Garment hanger.
Hanger for gas meters. C. W. Stevens. 2,044,647; June 16.
Harvester-thresher. A. B. Welty. 2,044,139; June 16.
Hay. Method and apparatus for storage, curing, and preservation of. J. G. Shodron. 2,044,370; June 16.
Head for evaporators, Distributing. E. Witzel. 2,044,455; June 16.
Headlamp. G. A. Peple, Jr. 2,044,224; June 16.
Heat exchange apparatus, Controlling. R. Beck. 2,044,461; June 16.
Heat exchanger. F. M. Young. 2,044,457; June 16.
Heat generator. R. A. Foresman. 2,043,994; June 16.
Heater: *See*—
Air heater.
Water heater.
Electric liquid heater.
Heater and windshield cleaner, Combined car. C. M. Wendt and J. Chisholm. 2,044,488; June 16.
Heating furnace. G. A. Tuck. 2,044,371; June 16.
Heel lift, Detachable. E. E. R. Swanson. 2,044,409; June 16.
High pressure gauge. M. Klein and R. A. Tollefsen. 2,044,005; June 16.

Highway construction. L. J. Pearce. 2,044,498; June 16.
Hinge and mounting therefor, Vehicle door. J. Kiely. 2,044,533; June 16.
Holder: *See*—
Crystal holder.
Dental matrix holder.
Electrode holder.
Identification card holder.
Stick holder.
Tree holder.
Holding means for locking elements. R. Erling. 2,043,993; June 16.
Hollow articles, Making. J. G. C. Mantle. 2,044,710; June 16.
Horizon, Artificial. B. G. Carlson. 2,044,150; June 16.
Horizon, Artificial. E. A. Sperry, Jr., B. G. Carlson, and M. F. Bates. 2,044,151; June 16.
Hydraulic material elevator. M. C. Lord. 2,044,088; June 16.
Hydrocarbons, Apparatus for partial oxidation of. S. P. Burke. 2,044,665; June 16.
Hygrometer. C. E. Lewis. 2,044,086; June 16.
Identification card holder. G. R. Steinmetz. 2,044,190; June 16.
Idle time keying unit, Automatic. G. L. Usselman. 2,044,519; June 16.
Ignition system for combustion engines. R. H. Dibley. 2,044,155; June 16.
Implement. E. D. W. Clark. 2,044,525; June 16.
Impregnating device for paper manufacture, Multiple. I. J. Novak. 2,044,012; June 16.
Impulse sender. L. Devaux. 2,044,470; June 16.
Incinerator. L. Laghetto. 2,044,085; June 16.
Indicator: *See*—
Air condition indicator.
Indicator. R. Rechnitzer. 2,044,100; June 16.
Inking device for mimeograph machines. H. L. Bueno. 2,044,462; June 16.
Insect screen. E. G. Brown. 2,044,664; June 16.
Insecticide. L. E. Mills. 2,044,010; June 16.
Installation for drain plugs and drain plug elevating members. H. J. Murphy. 2,044,625; June 16.
Insulation structure, Thermal. J. M. LeGrand. 2,044,731; June 16.
Insulation testing system. P. G. Edwards and C. E. Clutts. 2,044,424; June 16.
Internal combustion engine. R. K. Lee. 2,044,581; June 16.
Internal combustion engine. H. Wälti. 2,044,552; June 16.
Internal combustion engine. L. M. Woolson. 2,044,113; June 16.
Internal combustion engine. A. R. Wurtele. 2,044,522; June 16.
Ironing machine. W. F. Oliver. 2,044,328; June 16.
Jack: *See*—
Lifting jack.
Pull rod jack.
Jar, Metallic. J. H. Kjellstrom. 2,044,081; June 16.
Javelin point. R. H. Manseck. 2,044,092; June 16.
Jewels, Setting. A. F. Reilly. 2,044,510; June 16.
Joint: *See*—
Expansion joint.
Joint. H. C. Lord. 2,044,392; June 16.
Joints, Forming. H. C. Lord. 2,044,393; June 16.
Journal box bearing. J. J. Tatum. 2,044,514; June 16.
Junction box. H. R. Thompson. 2,044,650; June 16.
Keyboard, Automatic. G. W. Lawrence. 2,044,754; June 16.
Knitted fabric. L. Hirsch. 2,044,690; June 16.
Knitting machine, Camshaft-operated. C. F. Meyer and M. Zwicky. 2,044,539; June 16.
Knitting machines, Take-up mechanism for. P. G. Stroud. 2,044,741; June 16.
Lamp: *See*—
Automatic flashing lamp.
Motion lamp.
Land blocking machine. H. James. 2,044,304; June 16.
Lap. R. Groetchen. 2,044,474; June 16.
Latch: *See*—
Refrigerator latch.
Lateral restraint device. O. K. Kjolseth. 2,044,576; June 16.
Latex, Concentrating. J. E. Nyrop. 2,044,626; June 16.
Laundry receptacle, Upright. O. M. Thomas. 2,044,517; June 16.
Leather, Treatment of. H. A. Piggott and G. S. J. White. 2,044,099; June 16.
Leveling device for elevators, Automatic. J. F. Clancy. 2,044,152; June 16.
Lid, Journal box. G. A. Woodman. 2,044,040; June 16.
Lifeboat, Handling a ship's. A. P. Schat. 2,044,403; June 16.
Lift. N. C. Smart and B. F. Moss. 2,044,126; June 16.
Lifting jack. D. R. Johnson. 2,044,699; June 16.
Light for the photoelectric impression of sound on a photosensitive surface, Modulating. A. Laffon y Soto. 2,044,188; June 16.
Lightweight unit. G. B. Brown. 2,043,988; June 16.
Lime, Making a low consistency hydrated. F. C. Welch. 2,044,553; June 16.
Liquid dispensing. G. W. Stedwell. 2,044,027; June 16.
Liquid dispensing machine. M. B. Colton. 2,044,163; June 16.
Liquids, Coking hydrocarbon. H. V. Atwell. 2,044,416; June 16.
Lithium salts, Separation of. W. Rosett and F. R. Bichowsky. 2,044,018; June 16.
Loading means, Adjustable. C. M. Terry. 2,044,452; June 16.
Lock control for fifth wheel couplings and the like. H. C. Robb, Jr. 2,044,227; June 16.
Lock with bolt operating mechanism remaining permanently in the case. H. Denull. 2,044,881; June 16.
Locking device. F. J. Lejbowicz. 2,044,534; June 16.
Locking valve. E. H. Mueller. 2,044,254; June 16.
Locomotive arch. J. C. Chapple. 2,044,348; June 16.
Loom for weaving crinkle cloth. H. J. Murphy. 2,044,440; June 16.
Lubricating, Apparatus for. W. D. Bell. 2,043,986; June 16.
Lubricating device. J. L. Creveling. 2,044,469; June 16.
Lubricating pad. M. Keyes. 2,044,248; June 16.
Lubricating system. W. W. Williams. 2,044,269; June 16.
Lubricator adapter for springs. B. M. Walker. 2,044,375; June 16.
Machine, for making confections. C. E. Peterson. 2,044,748; June 16.
Machine for operating upon soles. E. E. Sabin. 2,044,104; June 16.
Machine for producing gears. A. P. Schauseil and J. E. Gleason. 2,044,485; June 16.
Machine for scutching short fibers of flax, jute, hemp, asbestos, and other short fibers. W. B. Bartram and J. H. Larmuth. 2,044,460; June 16.
Machine for testing clutch assemblies. H. B. Eldridge and C. E. Klein. 2,044,067; June 16.
Magazine for applying hard material, Vibrating. G. W. Woods. 2,044,556; June 16.
Manifold inking ribbon. J. Phelps. 2,044,630; June 16.
Masonry unit. W. M. Dunagan. 2,044,382; June 16.
Massage implement. E. T. Widmann. 2,044,112; June 16.
Mat, Step. E. R. Smith. 2,044,407; June 16.
Material, Apparatus for distributing road-binding. J. C. Woodcock. 2,044,039; June 16.
Material, Device for measuring stiffness of sheet. L. Vaughan, Jr. 2,044,411; June 16.
Material in loose form, Method of and apparatus for treating fibrous, granular or other. E. H. Hansen. 2,044,744; June 16.
Material, Spherulising fusible pulverizable filler. C. G. Gilbert. 2,044,680; June 16.
Material working machine. L. M. Manley and R. H. McCarthy. 2,044,481; June 16.
Materials, Making molded cementitious. B. F. and P. B. Brice. 2,044,204; June 16.
Materials, Production of artificial. E. Kuehn and H. Hopff. 2,044,730; June 16.
Materials, Production of artificial textile. W. I. Taylor. 2,044,135; June 16.
Merchandise display and ordering device. C. H. Thorstensen. 2,044,518; June 16.
Mercury collector resistance welding. J. S. Newton. 2,044,180; June 16.
Metal container. E. W. Freeman. 2,044,677; June 16.
Metal, Electroplating. C. A. Harrison. 2,044,431; June 16.
Metalworking. E. C. Bullard. 2,044,494; June 16.
Metal working apparatus. E. C. Bullard. 2,044,495; June 16.
Metallic container. W. C. Mills. 2,044,093; June 16.
Meter: *See*—
Electrical meter.
Electricity service meter.
Transparency meter.
Mill: *See*—
Rolling mill.
Milling machine, Automatic pattern controlled. B. Sassen. 2,044,020; June 16.
Mit, Shoe shining. V. L. Gilmer. 2,044,428; June 16.
Molded articles, Preparation of. M. L. Macht. 2,044,585; June 16.
Mono-cyclohexyl-1,2-dehydroxybenzenes. L. E. Mills and B. L. Fayerweather. 2,044,318; June 16.
Mop. J. Jelenfy. 2,044,075; June 16.
Motion lamp. F. G. Tompsett. 2,044,551; June 16.
Motor control system. C. A. H. Watson and F. E. McKinster. 2,044,034; June 16.
Mount for anti-aircraft guns. T. A. Conlon and G. W. Beatty. 2,043,989; June 16.
Mount for electric motors, Resilient. H. D. Geyer. 2,044,385; June 16.
Mounting, Engine. B. A. Swennes and R. S. Trott. 2,044,649; June 16.
Mounting, Engine. R. S. Trott. 2,044,023; June 16.
Mounting, Engine. R. S. Trott. 2,044,713–4; June 16.
Mounting for calculating machines, Table. A. Balster. 2,044,559; June 16.
Muffle device. F. P. Kobert. 2,044,504; June 16.
Multiple spindle drill. H. I. Lewis and F. W. Seybold. 2,044,709; June 16.
Musical instrument, Electrical. N. Langer. 2,044,360; June 16.
N,N-dialkylol anilines and producing same. A. W. Baldwin and A. H. Knight. 2,044,045; June 16.
Nail and making same. H. S. Stronach. 2,044,740; June 16.
Neck finish with a thread hang-up, Producing a. N. R. Beck. 2,044,115; June 16.
Needle, Latch knitting. C. L. Page. 2,044,324; June 16.
Negatives, Apparatus for making. F. T. Powers. 2,044,184; June 16.
Neon illuminating unit for traffic indicators. H. L. Carey. 2,044,464; June 16.
Network protector. M. A. Bostwick. 2,044,148; June 16.

Nozzle. H. Huss. 2,044,694; June 16.
Novelty, Advertising. M. Gold. 2,043,996; June 16.
Nut, Lock. D. J. Collins. 2,044,667; June 16.
Nut meats, Packaging. J. L. Schneider. 2,044,639; June 16.
Oil, Manufacture of lubricating. F. X. Govers. 2,044,721–6; June 16.
Oil pumping apparatus. B. Olsson. 2,044,013; June 16.
Oils, Converting hydrocarbon. J. K. Roberts. 2,044,636; June 16.
Oils, Making high viscosity index. H. T. Bennett. 2,044,603; June 16.
Oils or their fatty acids, Sulphonation of. A. Rheiner and J. Link. 2,044,400; June 16.
1-Nitro-anthraquinonyl-6-amino compounds and their production. E. E. Beard. 2,043,985; June 16.
Opener, Can. E. M. Quimby. 2,044,327; June 16.
Overload release clutch, Automatic. J. E. Monroe. 2,044,712; June 16.
Oxidized products, Making. W. B. D. Penniman. 2,044,014; June 16.
Packing for the shafts of steam turbines. G. Huhn. 2,044,692; June 16.
Pad: *See*—
Lubricating pad.
Padlock. E. W. Hite. 2,044,529; June 16.
Paint, Noninflammable. L. McCulloch. 2,044,176; June 16.
Paint refinish, Auto. W. Becker, Jr. 2,044,493; June 16.
Paint, Zinc dust. L. D. Grady, Jr. 2,044,292; June 16.
Paper manufacture. J. d'A. Clark and J. Traquair. 2,044,281; June 16.
Paraffining apparatus. E. L. Jones. 2,044,077; June 16.
Particles and apparatus therefor, Dispersing. M. F. Cross. 2,044,757; June 16.
Pasteurizer. G. J. Huntley and R. J. Stewart. 2,044,118; June 16.
Pedestal, Knock-down display. E. L. Davidson. 2,044,422; June 16.
Pen barrel, Fountain. A. F. Odell. 2,044,181; June 16.
Petroleum oxidation products and their utilization. C. Ellis. 2,043,992; June 16.
Phase rotation detector and frequency regulator. G. L. Usselman. 2,044,749; June 16.
Photolithographic process. W. H. Hackett and P. W. Pryke. 2,044,429; June 16.
Picture frame. A. L. Shaw. 2,044,125; June 16.
Pinning device, Mechanical. W. F. Ortiz. 2,044,627; June 16.
Pipe and apparatus for the manufacture of the same, Centrifugally spun concrete. A. R. McMullin. 2,044,178; June 16.
Pipe or tubing, Manufacture of. J. L. Anderson. 2,044,491; June 16.
Pipes, Manufacture of seamless. K. Korbuly. 2,044,358; June 16.
Piston. J. B. Brennan. 2,044,379; June 16.
Piston. F. Jardine. 2,044,074; June 16.
Piston and piston ring assembly. J. D'Agostino. 2,044,499; June 16.
Piston for internal combustion motors. E. C. Long. 2,044,087; June 16.
Piston ring. V. F. Zahodiakin. 2,044,272–4; June 16.
Piston ring expander. C. N. Teetor. 2,044,451; June 16.
Piston ring expander. H. P. Troendly. 2,044,453; June 16.
Plasticizer. A. O. Jaeger. 2,044,612; June 16.
Plate straightening machine. F. Ungerer. 2,044,373; June 16.
Plotting machine and making maps with aerial photographs, J. W. Bagley. 2,044,114; June 16.
Plow. M. R. Bruner. 2,044,205; June 16.
Plow. A. E. Rutter. 2,044,718; June 16.
Plug: *See*—
Reset fuse plug. Spark plug.
Pneumatic wheel. N. O. Whited. 2,044,554; June 16.
Portable gate. G. H. Thomas. 2,044,265; June 16.
Portable maintenance roller. W. D. Haigh. 2,044,684; June 16.
Post: *See*—
Corner post.
Pot, Revolving. C. C. Kinker. 2,044,616; June 16.
Powder from emulsions and solutions, Preparing dry. J. M. Visser. 2,044,194; June 16.
Power application transformation for chain hoists. F. W. Coffing. 2,044,565; June 16.
Power controlling system. W. L. McGrath. 2,044,395; June 16.
Power transmission. G. Weinreich and R. H. Nickel. 2,044,599; June 16.
Power transmitter. G. A. Klimek. 2,044,172; June 16.
Pressing or treatment roller. F. Schuster. 2,044,640; June 16.
Pressure and differential control. O. F. Carlson. 2,044,465; June 16.
Printing. V. Dietz. 2,044,156; June 16.
Printing, Attachment for multiple. H. M. Rantin. 2,044,124; June 16.
Propeller. A. A. Handler. 2,044,294–5; June 16.
Propellers, Manufacturing. A. A. Handler. 2,044,293; June 16.
Protector: *See*—
Network protector.
Protector for thread packages. C. E. Chaffin. 2,044,207; June 16.
Protector for threaded objects. L. S. Gunderman. 2,044,568; June 16.
Pull rod jack. C. Neher. 2,044,483; June 16.
Pulling, picking-up, and transporting attachment for excavators, Combined. W. D. Morgan. 2,044,624; June 16.
Pulverizing and grading machine, Wheeled. E. M. Nowlin. 2,044,507; June 16.
Pump. W. C. Anthony. 2,044,044; June 16.
Pump. C. W. Dake. 2,044,064; June 16.
Pump. C. W. Schofield. 2,044,594; June 16.
Pump. T. W. Smith. 2,044,408; June 16.
Pump for gaseous fluids. C. Barbareschi. 2,044,560; June 16.
Pyrethrin concentrates, Purification of. H. L. J. Haller and F. B. La Forge. 2,044,502; June 16.
Rack: *See*—
Type rack.
Radio receiver. J. Dreyfus. 2,044,759; June 16.
Radio receiving system. A. W. Stapleton and R. H. Hatfield. 2,044,645; June 16.
Radio repeating system for ultra-short waves. A. B. Crawford. 2,044,061; June 16.
Rail fastening. R. Raffenbeul. 2,044,446; June 16.
Railway frog. J. E. Conley. 2,044,283; June 16.
Range construction. J. Teller and A. P. Schulz. 2,044,516; June 16.
Range control system. F. S. Wheeler. 2,044,140; June 16.
Range, table, and cabinet, Combination cooking. E. V. Coulston. 2,044,154; June 16.
Razor and razor blade, Safety. D. B. Hadjopoulos. 2,043,998; June 16.
Razor, Safety. R. John. 2,044,698; June 16.
Razor, Safety. B. F. Nicoll, Sr. 2,044,222; June 16.
Razor, Safety. C. B. Stair. 2,044,189; June 16.
Reboiler and condenser. L. S. Twomey. 2,044,372; June 16.
Receptacle: *See*—
Display receptacle. Laundry receptacle.
Receptacle handle. F. A. Gust. 2,044,682; June 16.
Receptacles, Method of paraffining. E. L. Jones. 2,044,078; June 16.
Recorder: *See*—
Time recorder.
Recording instrument. F. S. Marcellus. 2,044,586; June 16.
Reel: *See*—
Clothesline reel. Film reel.
Reflector. W. H. Matthai. 2,044,620; June 16.
Refrigeration and apparatus therefor. F. L. Bryant. 2,044,750; June 16.
Refrigerating apparatus. H. M. Williams. 2,044,600; June 16.
Refrigeration. W. T. Hedlund. 2,044,609; June 16.
Refrigeration. A. R. Thomas. 2,044,597; June 16.
Refrigeration apparatus. G. Muffly. 2,044,482; June 16.
Refrigerator. J. A. Nones. 2,044,011; June 16.
Refrigerator latch. C. Gaske and C. E. Yost. 2,044,500; June 16.
Register frame. R. C. Bradley. 2,044,049; June 16.
Relay system, Protective. W. A. Lewis and R. D. Evans. 2,044,174; June 16.
Reset fuse plug. D. S. Rivers and R. B. Storms. 2,044,449; June 16.
Resinous bodies and varnishes obtained therewith. K. Ott, H. Bernard, and F. Frick. 2,044,747; June 16.
Resinous products from chlorinated oxidized fatty oils. J. S. Long and G. L. Ball, Jr. 2,044,007; June 16.
Resinous products, Treating. G. M. Kuettel. 2,044,579; June 16.
Retractable landing gear. C. W. Steward. 2,044,338; June 16.
Ring: *See*—
Piston ring.
Road striping machine. J. H. Ball. 2,044,558; June 16.
Roasting and grinding machine, Combined. A. Karlsson-Ygger. 2,044,489; June 16.
Rod line idler. D. Erickson. 2,044,526; June 16.
Roller: *See*—
Portable maintenance roller. Pressing or treatment roller.
Roller clutch. H. Barthel. 2,044,197; June 16.
Rolling mill. G. R. Roemer. 2,044,548; June 16.
Rolls, Cooling of. C. B. Ferree. 2,044,384; June 16.
Rope, Spinning. C. A. Daniels. 2,044,240; June 16.
Rotary drill, Hydraulic. W. L. Diehl. 2,044,349; June 16.
Rotary, Oil field. B. Boykin, Jr. 2,044,203; June 16.
Rotor for a blower. E. Szekely. 2,044,028; June 16.
Rubber, Compounding. W. S. Calcott and W. A. Douglass. 2,044,059; June 16.
Rubber latex and aqueous dispersions of reclaimed rubber, Mixtures of natural. A. E. Barnard and W. E. Messer. 2,044,046; June 16.
Safety device for gas conduits. S. Dunin-Markiewicz, C. Sudlitz, and T. Swiniewicz. 2,044,537; June 16.
Sampler, Sidewall formation. H. F. Stevens. 2,044,648; June 16.
Sand spreading apparatus. N. L. Walker. 2,044,652; June 16.

Screen: *See*—
Insect screen.
Screw cutting attachment for lathes. H. Riester. 2,044,635; June 16.
Screw, Differential. D. C. Rowe, W. Tydon, and F. E. Flader. 2,044,368; June 16.
Seat: *See*—
Adjustable seat.
Seat. F. B. McElmoyl. 2,044,717; June 16.
Seat and bed arrangement for coupes and the like, Combination. R. D. Shrewsbury. 2,044,334; June 16.
Sediment tester. O. D. Knight. 2,044,310; June 16.
Selection device, Automatic. J. W. Armbruster. 2,044,143; June 16.
Selector mechanism for automatic tuning. C. R. Garrett. 2,044,607; June 16.
Separable fastener. J. S. Forster. 2,044,161; June 16.
Separable fastener. G. Sundback. 2,044,191; June 16.
Separator: *See*—
Cyclone separator. Grain separator.
Sewing machines, Shuttle-carrier for. J. F. L. Giraud. 2,044,163; June 16.
Shank support. T. R. Newberry. 2,044,319; June 16.
Shaping method and apparatus. J. L. Adams, Jr. 2,044,042; June 16.
Sharpener, Razor blade. A. C. Heise and M. W. Jacobi. 2,044,688; June 16.
Sheet collecting and folding mechanism for printing presses. H. M. Barber. 2,044,459; June 16.
Sheet retaining device. P. O. Unger. 2,044,138; June 16.
Shelving bracket, Adjustable. W. L. Slater. 2,044,642; June 16.
Shields to pipes, Process and apparatus for applying. F. W. Yeager. 2,044,456; June 16.
Shirt or merchandise display, Apparatus for. N. E. Pool and F. N. Curby. 2,044,398; June 16.
Shock carrier. V. J. Koch. 2,044,705; June 16.
Shoe last. J. A. Wikany. 2,044,676; June 16.
Shoe ornamentation. C. Miller and I. Speilman. 2,044,362; June 16.
Shower head. E. Price and W. A. Pfister. 2,044,445; June 16.
Shuttles, Production of. J. Rückert. 2,044,402; June 16.
Signaling device, Vehicle. J. A. Heans. 2,044,300; June 16.
Silk, Manufacture of artificial. J. D. W. Hubbeling. 2,044,432; June 16.
Silk throwing and quill or cop forming process and apparatus. J. P. McHugh. 2,044,621; June 16.
Siphonic action, Preventing. O. W. Ott. 2,044,443; June 16.
Size and making same, Waterproofing. C. R. Burgard. 2,044,056; June 16.
Skate and attaching means therefor, Roller. F. T. Hedelund. 2,044,211; June 16.
Skip-stop control mechanism. A. M. Johnson. 2,044,076; June 16.
Skiving machine. H. Lyon. 2,044,089; June 16.
Slag articles, Manufacture of cast. T. Bartholomew. 2,044,198; June 16.
Slag or melt into a highly porous mass of the character of pumice, Apparatus for blowing up liquid. C. H. Schol. 2,044,450; June 16.
Slag, Treatment of. T. Bartholomew. 2,044,199; June 16.
Slide fastener. E. S. Blanchard. 2,044,662; June 16.
Solder for aluminum. R. B. Derr and C. C. Callis. 2,044,671; June 16.
Soles to shoes, Attaching. M. W. Tetlow. 2,044,029; June 16.
Sorting machine. W. W. Lasker. 2,044,120; June 16.
Sound, Apparatus for determining amplitude of. W. F. Alder. 2,043,983; June 16.
Sound, Method of and apparatus for producing and reproducing. J. H. Nuttall. 2,044,223; June 16.
Spark plug. C. Patock. 2,044,325; June 16.
Speaking head. K. von Heising. 2,044,033; June 16.
Splint, Hip. J. E. Hawley. 2,044,299; June 16.
Spouted container. G. O. Conner and H. W. Karges. 2,044,208; June 16.
Spring suspension. H. L. Fairclough, Jr. 2,044,242; June 16.
Spring system for railway car trucks. W. R. Hewitt. 2,044,503; June 16.
Stamp display and vending device. R. R. Williams. 2,044,141; June 16.
Stamp printing and value metering machine, Multidenominational. W. J. Pearson and T. I. Brown. 2,044,755; June 16.
Standard, Adjustable lamp. E. Schwarz. 2,044,187; June 16.
Starting and stopping mechanism. P. R. Glass. 2,044,501; June 16.
Starting device for synchronous electric motors. P. O. Dorer and H. F. Landstad. 2,044,423; June 16.
Stay for corsets, belts, and the like. V. A. Longaker. 2,044,436; June 16.
Steam generator. W. R. Wood. 2,044,270; June 16.
Steel treating. W. S. Bidle. 2,044,561; June 16.
Steel, Treating austenitic. E. C. Bain and R. H. Aborn. 2,044,743; June 16.
Stencil-printing machine. S. Rodman. 2,044,738; June 16.
Step, Portable cast reenforced concrete. H. Schiele. 2,044,260; June 16.
Sterilizer, Water. R. L. Jewell. 2,044,433; June 16.
Stick holder. S. Isenberg. 2,044,354; June 16.
Stitches, Method of and machine for effecting combined fastening and seam covering. E. Bucher. 2,044,275; June 16.
Stoker. W. T. Hanna. 2,044,001; June 16.
Stoker, Locomotive. H. P. Anderson. 2,044,043; June 16.
Stoker, Locomotive. H. W. Snyder. 2,044,109; June 16.
Stoker mechanism. P. A. Ketchpel. 2,044,308; June 16.
Stop motion. G. M. Arragg. 2,044,238; June 16.
Stopper, Bathtub. G. J. Morris. 2,044,253; June 16.
Strap and hair cap, Combination chin. H. M. Weiland and J. N. Furman. 2,044,521; June 16.
Stress in relieving welded joints, Apparatus for. R. C. Newhouse. 2,044,734; June 16.
Stripper for wire-receiving blocks. C. D. Johnson. 2,044,574; June 16.
Structural unit. G. B. Brown. 2,043,987; June 16.
Substances, Heating. M. Winckler. 2,044,195; June 16.
Sulphur refining process. C. W. Jones. 2,044,214; June 16.
Superheterodyne receiver for ultrashort waves. M. von Ardenne. 2,044,374; June 16.
Support: *See*—
Shank support.
Support and retainer for folding chair seats. L. F. Bergner. 2,044,378; June 16.
Surfaces, Method and apparatus for treating. C. H. Alvord. 2,044,557; June 16.
Switch construction, Electric. H. A. Douglas. 2,044,065; June 16.
Switch for two-filament lamps, Control. C. S. McGill and R. Popp. 2,044,317; June 16.
Switch mechanism, Thermally controlled. J. F. Frese. 2,044,678; June 16.
Swivel. J. B. Freysinger. 2,044,425; June 16.
Swivel hose coupling. J. Broadley. 2,044,052; June 16.
Table: *See*—
Ball table. Folding table.
Card table.
Tabulating machine. W. W. Lasker. 2,044,119; June 16.
Tabulating machine. W. W. Lasker. 2,044,121; June 16.
Take-up device. H. J. Stegeman. 2,044,719; June 16.
Tape condenser. J. H. Kovar. 2,044,217; June 16.
Tappet. D. A. Wallace. 2,044,598; June 16.
Tectonics of the earth, Apparatus for determining subsurface. J. C. Karcher. 2,044,079; June 16.
Telegraph repeater, Impulse. G. C. Cummings. 2,044,062; June 16.
Television system. A. N. Goldsmith. 2,043,997; June 16.
Temperature control system for vehicles. W. Fourness and E. G. Burghard. 2,044,068; June 16.
Temperature responsive switch. L. M. Persons. 2,044,397; June 16.
Tent. B. G. Eriksson. 2,044,351; June 16.
Thermoplastic composition. W. Koch. 2,044,505; June 16.
Thermostat, Remote control. E. Bletz. 2,044,147; June 16.
Three-cutter bit. F. L. Scott. 2,044,549; June 16.
Ticket printing, issuing, and accounting machine. F. A. and H. McL. Purdy, and E. Letsch. 2,044,367; June 16.
Tidal storage device. W. B. Harrison and C. W. Kennedy. 2,044,686; June 16.
Tie holder and retainer set. M. F. Krohmer. 2,044,311; June 16.
Tile for flooring and paneling, Wood. S. Luzzati and C. Molinari. 2,044,535; June 16.
Tilting furnace. J. E. MacDonald. 2,044,090; June 16.
Time recorder. L. E. Dodd and W. W. Harper. 2,044,471; June 16.
Tin-plating. R. M. Gordon. 2,044,210; June 16.
Tire inflater, Automatic. E. Frohwerk. 2,044,287; June 16.
Tire-spreading tool. H. J. Griffith. 2,044,681; June 16.
Titanium dioxide, Producing. L. G. Jenness. 2,044,753; June 16.
Toasting device, Combined roll and frankfurt electric. C. E. Kennedy. 2,044,615; June 16.
Tongs. S. Wright. 2,044,656; June 16.
Tool: *See*—
Cutting tool. Well drilling tool.
Tire-spreading tool.
Tool metal working apparatus, Stationary. E. C. Bullard. 2,044,496; June 16.
Tooth brush, Rotary. V. B. Bagnall. 2,044,344; June 16.
Toy, Motorized construction. H. Pelton. 2,044,735; June 16.
Toy railway. W. B. Ritchie and R. L. Delano. 2,044,737; June 16.
Tractor mower. S. E. Hiblom. 2,044,169; June 16.
Traffic controlling apparatus, Railway. C. W. Bell. 2,044,241; June 16.
Traffic signaling system. V. W. Leonard. 2,044,617; June 16.
Transfer conveyor. J. F. Trudeau. 2,044,193; June 16.
Transmission controlling device. L. O. Burt. 2,044,463; June 16.
Transmission line. E. A. Leach. 2,044,580; June 16.
Transmission mechanism. H. W. Alden. 2,044,660; June 16.

Transmitter and receiver for electromagnetic waves. R. Weyrich. 2,044,413; June 16.
Transparency meter. S. A. Staege. 2,044,131; June 16.
Transportation apparatus. N. W. Storer. 2,044,134; June 16.
Trap ring for core barrels. C. E. Burt. 2,044,057; June 16.
Tree holder. J. D. Templin, Jr. 2,044,192; June 16.
Trees and shrubs, Fertilizing. A. V. Dahlberg. 2,044,063; June 16.
Trimming machine. C. G. Brostrom. 2,044,054; June 16.
Truck body handling system. C. H. Richards. 2,044,592; June 16.
Truck, Hand. G. P. Morse and L. Lidsky. 2,044,363; June 16.
Truck, Radial guiding. O. K. Kjolseth. 2,044,575; June 16.
Truss. C. E. Christman. 2,044,280; June 16.
Tube: *See*—
Electric discharge tube. Electron tube.
Tube and method of manufacture, Gaseous discharge. D. V. Edwards and E. K. Smith. 2,044,350; June 16.
Tubing, Bending. G. F. Oliver and H. G. Scholtz. 2,044,322; June 16.
Turbine. W. P. Kessel. 2,044,532; June 16.
Turbine. F. Ljungström. 2,044,435; June 16.
Turbine, Radial flow. R. O. J. Möller. 2,044,540; June 16.
Turntable. J. Van Nieuwland. 2,044,031; June 16.
Two-cycle combustion engine. E. Daiber. 2,044,605; June 16.
Type bar segment and anvil. H. C. Shepard. 2,044,641; June 16.
Type rack. J. Bailey. 2,044,144; June 16.
Typewriter. G. Teissèdre. 2,044,550; June 16.
Typewriting machine. G. G. Going. 2,044,072; June 16.
Typewriting machine. W. F. Helmond. 2,044,002; June 16.
Typewriting machine. J. Phelps. 2,044,631; June 16.
Ultra-short wave auxiliary apparatus for radio receivers. K. Schlesinger. 2,044,229; June 16.
Umbrella handle. J. E. McWilliams. 2,044,251; June 16.
Underreamer cutter and forming the same, Hardfaced. E. W. Holiday and F. K. Bianvelt. 2,044,353; June 16.
Utensil, Cleaning. J. McMenamin. 2,044,361; June 16.
Values from ore pulp, Apparatus for recovering. M. Kraut. 2,044,250; June 16.
Valve: *See*—
Air inlet valve. Electrically operated valve.
Connected valve. Locking valve.
Valve control mechanism for fluid distributing systems, Automatic. H. W. Macpherson. 2,044,437; June 16.
Valve for fluid pressure pipes, Check. A. L. Parker. 2,044,629; June 16.
Valve for gas torches. B. Bruneau. 2,043,982; June 16.
Vehicle. A. G. Herreshoff. 2,044,610; June 16.
Vehicle, Automotive. H. W. Alden and L. R. Buckendale. 2,044,196; June 16.
Vehicle brake, Motor. D. F. Zook. 2,044,490; June 16.
Vehicle control, Motor. A. K. Brumbaugh. 2,044,055; June 16.
Vehicle driving mechanism, Automotive. F. H. Ott. 2,044,182; June 16.
Vehicle, Endless track. A. Kégresse. 2,044,306–7; June 16.
Vehicle heating system. W. H. Mussey. 2,044,733; June 16.
Vending and amusement machine, Combined. G. B. Norris. 2,044,320; June 16.
Vending machine. M. Dorman. 2,044,672; June 16.
Vending machine casing. B. W. Fry. 2,044,288; June 16.
Vending machine for vending solid and liquid bodies, Multiple universal. C. Walker. 2,044,110; June 16.
Ventilator. E. J. Payne. 2,044,098; June 16.
Vibrating system, Mechanical. R. A. Heising. 2,044,000; June 16.
Violin-piano. J. L. Warner. 2,044,111; June 16.
Wall outlet. B. T. Poor. 2,044,633; June 16.
Wall structure. E. A. Klages. 2,044,216; June 16.
Wallboard, Manufacturing. G. R. Walpar. 2,044,234; June 16.
Wallpaper and the like, Device for cutting or trimming. A. A. Geleff. 2,044,426; June 16.
Warm converter for liquefied gases of low boiling point. L. I. Dana. 2,044,670; June 16.
Warp tensioning and letting-off device for weaving looms. H. Lakeland. 2,044,218; June 16.
Warps, Leasing. F. Klein. 2,044,578; June 16.
Watchcase, Automatically opening tubular. H. Schlacht. 2,044,228; June 16.
Watch movement, Floating. H. A. Dunlap. 2,044,752; June 16.
Water, Electrolysis of. A. E. Knowles. 2,044,704; June 16.
Water, Electrolytic purification of. G. T. Southgate. 2,044,261; June 16.
Water gauge. C. H. Lank. 2,044,477; June 16.
Water heater. A. Altieri. 2,044,237; June 16.
Water heater, Automatic. L. W. Hodges. 2,044,611; June 16.
Water softener, Automatically regenerating. W. J. Kenney. 2,044,247; June 16.
Water softening. H. G. Lykken and J. B. Estabrook. 2,044,582; June 16.
Water softening. R. S. Rankin. 2,044,583–4; June 16.
Wave transmission network. S. Bobis. 2,044,047; June 16.
Waxes, Sulphonation of. A. Rheiner and J. Link. 2,044,399; June 16.
Weather integrator. H. J. Smith. 2,044,128; June 16.
Wedge, Arch supporting. H. Wagner. 2,044,233; June 16.
Weft replenishing device, Automatic. J. P. Camps. 2,044,206; June 16.
Well apparatus. K. E. Young. 2,044,657; June 16.
Well cleaning device. J. T. Barkelew and H. E. Scantlebury. 2,043,979; June 16.
Well drilling tool. J. H. Howard. 2,044,303; June 16.
Wheel: *See*—
Pneumatic wheel.
Wheel suspension and steering mechanism. J. Tjaarda. 2,044,232; June 16.
Window. S. C. Reynaud. 2,044,258; June 16.
Window construction. L. Gulbransen. 2,044,387; June 16.
Window, Solar bathing. J. M. Thorp. 2,044,030; June 16.
Wing brace for Sampson posts. S. C. Curry. 2,044,669; June 16.
Wire, Detachable cutter blade pile. O. J. Pickard. 2,044,632; June 16.
Wire drawing machine, High speed. W. D. Pierson and G. W. Jackman. 2,044,484; June 16.
Wire fabric for bedsprings and other articles. J. Schwartsman. 2,044,336; June 16.
Wiring device. A. E. Grant. 2,044,290–1; June 16.
Wood, Method and apparatus for producing veneer. A. G. Selber. 2,044,230; June 16.
Workpieces, Machining metallic. B. P. Schiltz. 2,044,497; June 16.
Yarn and the manufacture thereof, Textile. P. F. C. Sowter. 2,044,130; June 16.
Yarns, threads, filaments and the like, Treatment and manufacture of artificial. W. I. Taylor. 2,044,136; June 16.
Zero-setting device. W. J. Pearson. 2,044,756; June 16.

CLASSIFICATION OF PATENTS

ISSUED JUNE 16, 1936

NOTE.—First number = class, second number = subclass, third number = patent number

2— 42: 2,044,623
74: 2,044,668
131: 2,044,093
161: 2,044,105
181: 2,044,038
236: 2,044,236
259: 2,044,436
4— 69: 2,044,243
200: 2,044,249
203: 2,044,253
295: 2,044,625
8— 5: 2,044,099
7: 2,044,458
9— 22: 2,044,403
10— 54: 2,044,740
154: 2,044,635
12— 17: 2,044,104
54: 2,044,097
2,044,289
83.5: 2,044,054
133: 2,044,676
142: 2,044,029
15— 23: 2,044,344
59: 2,044,041
119: 2,044,075
171: 2,044,595
208: 2,044,361
227: 2,044,428
16— 70: 2,044,509
114: 2,044,388
2,044,682
17— 16: 2,044,179
18— 5.7: 2,044,255
39: 2,044,359
47.5: 2,044,204
50: 2,044,059
2,044,626
51: 2,044,356
54: 2,044,135
2,044,136
2,044,432
61: 2,044,585
19— 99: 2,044,460
151: 2,044,217
20— 7: 2,044,535
40: 2,044,030
40.5: 2,044,488
50: 2,044,387
23— 3: 2,044,421
31: 2,044,018
57: 2,044,244
119: 2,044,167
150: 2,044,116
2,044,279
177: 2,044,419
189: 2,044,553
220: 2,044,214
277: 2,044,665
24— 49: 2,044,311
77: 2,044,662
205: 2,044,161
2,044,191
245: 2,044,729
27— 3: 2,044,439
28— 40: 2,044,578
29— 6: 2,044,170
38: 2,044,496
81: 2,044,561
88.2: 2,044,303
156: 2,044,491
156.8: 2,044,293
30— 1: 2,044,259
9: 2,044,525
35: 2,044,222
48: 2,043,998
50: 2,044,698
32— 9: 2,044,106
63: 2,043,999
33— 3: 2,044,587
20: 2,044,114
56: 2,043,990
180: 2,044,067
204: 2,044,150
2,044,151
34— 12: 2,044,744
23: 2,044,489
34— 38: 2,044,628
36— 36: 2,044,409
71: 2,044,751
2,044,233
76: 2,044,319
37— 110: 2,044,315
39— 5: 2,044,658
64: 2,044,265
40— 40: 2,044,551
126: 2,043,996
2,044,422
133: 2,044,404
152: 2,044,125
41— 33: 2,044,362
41.5: 2,044,156
42— 69: 2,044,219
43— 36: 2,044,702
45— 5: 2,044,166
82: 2,044,589
46— 31: 2,044,735
51: 2,044,240
47— 58: 2,044,063
61: Pl.Pt.183
62: Pl.Pt.184
48— 107: 2,044,544
192: 2,044,537
49— 5: 2,044,716
39: 2,044,198
48: 2,044,577
56: 2,044,616
57: 2,044,680
69: 2,044,115
77: 2,044,566
77.5: 2,044,199
2,044,450
51— 158: 2,044,688
184.3: 2,044,474
206: R. 20,012
2,044,442
215: 2,044,394
251: 2,044,042
56— 25: 2,044,169
122: 2,044,139
238: 2,044,159
312: 2,044,396
58— 22: 2,044,543
56: 2,044,314
88: 2,044,752
2,044,228
59— 95: 2,044,425
61— 20: 2,044,686
48: 2,044,703
62— 1: 2,044,670
2,044,673
4: 2,044,482
6: 2,044,352
48: 2,044,011
89: R. 20,004
2,044,600
91.5: 2,044,609
114: 2,044,032
118: 2,044,597
126: 2,044,455
129: 2,044,068
152: 2,044,022
2,044,644
153: 2,044,750
170: 2,044,330
63— 20: 2,044,225
26: 2,044,510
66— 82: 2,044,539
121: 2,044,324
149: 2,044,741
189: 2,044,690
68— 9: 2,044,323
33: 2,044,640
69— 13: 2,044,089
70— 14: 2,044,066
2,044,381
29: 2,044,622
70: 2,044,534
107: 2,044,529
71— 9: 2,044,297
72— 19: 2,044,216
2,044,637
41: 2,044,051
72— 66: 2,044,382
68: 2,044,101
96: 2,044,260
73— 21: 2,044,102
24: 2,044,086
2,044,239
51: 2,043,983
2,043,984
2,044,310
2,044,411
54: 2,044,477
111: 2,044,005
253: 2,044,050
74— 5: 2,044,343
7: 2,044,420
27: 2,044,076
64: 2,044,172
240: 2,044,158
242.11: 2,044,719
290: 2,044,660
337.5: 2,044,599
346: 2,044,463
449: 2,044,182
503: 2,044,492
580: 2,044,581
75— 108: 2,044,366
134: 2,044,671
76— 108: 2,044,353
2,044,383
80— 11: 2,044,358
35: 2,044,545
81— 3.1: 2,044,129
82— 1: 2,044,494
2,044,495
2,044,497
83— 7: 2,044,563
2,044,564
13: 2,044,757
30: 2,044,531
53: 2,044,653
84— 1: 2,044,223
2,044,360
256: 2,044,111
87— 5: 2,044,246
2,044,467
12: 2,044,399
2,044,400
88— 14: 2,044,131
16.2: 2,044,333
16.8: 2,044,478
18.7: 2,044,267
2,044,569
24: 2,044,454
78: 2,044,620
89— 27: 2,044,008
37: 2,044,036
2,044,340
40: 2,043,989
2,044,278
90— 4: 2,044,485
13.5: 2,044,020
91— 25: 2,044,558
46: 2,044,077
2,044,284
48: 2,044,365
50: 2,044,472
70: 2,044,078
70.2: 2,044,210
92— 21: 2,044,213
26: 2,044,480
40: 2,044,012
2,044,281
93— 27: 2,044,476
54.2: 2,044,606
94— 1: R. 20,006
4: 2,044,498
50: 2,044,684
95— 5.1: 2,044,429
31: 2,044,434
81: 2,044,184
96— 20: 2,044,732
97— 40: 2,044,205
2,044,507
55: 2,044,304
59: 2,044,262
127: 2,044,718
98— 54: 2,044,370
99: 2,044,098
99— 8: 2,044,639
20: 2,044,282
190: 2,044,245
203: 2,044,194
100— 47: 2,044,386
101— 66: 2,044,367
120: 2,044,462
130: 2,043,995
102— 6: 2,044,345
24: 2,044,024
36: 2,044,026
103— 5: 2,044,013
10: 2,044,594
38: 2,044,044
2,044,064
55: 2,044,408
262: 2,044,088
104— 25: 2,044,134
44: 2,044,031
105— 174: 2,044,575
189: 2,044,576
197: 2,044,503
253: 2,044,019
2,044,638
409: 2,044,513
2,044,515
106— 22: 2,044,612
23: 2,044,505
24: 2,044,337
40: 2,044,220
107— 1: 2,044,748
8: 2,044,354
2,044,376
108— 1: 2,044,321
110— 18: 2,044,085
22: 2,044,296
40: 2,044,215
87: 2,044,348
101: 2,044,001
2,044,043
2,044,308
2,044,601
112— 122: 2,044,275
196: 2,044,163
113— 46: R. 20,009
116: 2,044,528
102: 2,044,651
116— 102: 2,044,651
117— 21: 2,044,621
30: 2,044,238
44: 2,044,987
2,043,988
34.5: 2,044,130
119— 71: 2,044,312
120— 42: 2,044,181
121— 46: 2,044,699
122— 30: 2,043,994
235: 2,044,270
123— 32: 2,044,522
59: 2,044,605
65: 2,044,552
90: 2,044,598
119: 2,044,094
2,044,412
148: 2,044,155
169: 2,044,325
179: 2,044,113
126— 39: 2,044,154
99: 2,044,371
110: 2,044,715
194: 2,044,516
200: 2,044,555
272: 2,044,118
128— 67: 2,044,112
84: 2,044,299
104: 2,044,280
134: 2,044,390
153: 2,044,523
215: 2,044,410
327: 2,044,691
418: 2,044,257
131— 51: 2,044,377
132— 32: 2,044,209
49: 2,044,521
134— 1: 2,044,570
17: 2,044,046
2,044,176
134— 26: 2,044,493
46: 2,044,056
58: 2,044,753
76: 2,044,292
79: 2,044,571
2,044,572
135— 3: 2,044,659
4: 2,044,351
5.1: 2,044,664
47: 2,044,251
136— 86: 2,044,123
133: 2,044,406
137— 21: 2,044,132
2,044,277
78: 2,044,443
139: R. 20,007
2,044,437
153: 2,044,452
2,044,646
138— 80: 2,044,178
96: 2,044,568
139— 24: 2,044,440
44: 2,044,632
100: 2,044,218
250: 2,044,206
141— 9: 2,044,524
144— 2: 2,044,402
94: 2,044,339
209: 2,044,230
252: 2,044,481
146— 7: 2,044,418
182: 2,044,548
148— 12: 2,044,743
13: 2,044,165
150— 35: 2,044,190
49: 2,044,517
151— 12: 2,044,667
32: 2,043,993
152— 11.5: 2,044,287
27: 2,044,681
29: 2,044,654
153— 54: 2,044,373
63: 2,044,322
73: 2,044,710
2,044,711
154— 2: 2,044,234
2,044,401
2,044,456
155— 7: 2,044,334
95: 2,044,675
117: 2,044,364
125: 2,044,212
133: 2,044,717
138: 2,044,021
141: 2,044,473
142: 2,044,378
156— 46: 2,043,981
158— 5: 2,043,991
99: 2,044,511
159— 17: 2,044,095
164— 47: 2,044,683
50: 2,044,527
83: 2,044,426
86: 2,044,709
113: 2,044,707
2,044,708
166— 1: 2,044,657
19: 2,043,979
167— 16: 2,044,674
24: 2,044,502
28: 2,044,010
169— 1: 2,044,687
11: 2,044,438
19: 2,044,313
170— 159: 2,044,285
2,044,294
2,044,295
171— 34: 2,044,542
327: 2,044,000
2,044,145
172— 152: 2,044,152
172— 179: 2,044,149
239: 2,044,607
288: 2,044,034
173— 251: 2,044,604
263: 2,044,679
265: 2,044,580
354: 2,044,291
362: 2,044,290
175— 115: 2,044,666
183: 2,044,424
2,044,546
294: 2,044,148
2,044,174
312: 2,044,006
320: 2,044,471
2,044,746
363: 2,044,593
176— 14: 2,044,256
177— 327: 2,044,300
339: 2,044,617
351: 2,044,009
380: 2,044,470
178— 6: 2,043,997
44: 2,044,047
70: 2,044,062
179— 1: 2,044,305
78: 2,044,512
100.2: 2,044,033
100.3: 2,044,188
181: 2,044,608
180— 1: 2,044,183
9.2: 2,044,306
2,044,307
54: 2,044,610
73: 2,044,196
182— 44: 2,044,221
83: 2,044,614
184— 6: 2,044,269
7: 2,043,986
105: 2,044,469
185— 37: 2,044,189
40: 2,044,286
186— 1: 2,044,391
187— 29: 2,044,126
188— 75: 2,044,070
81: 2,044,423
194: 2,044,490
189— 1: 2,044,731
31.4: 2,044,053
2,044,669
34: R. 20,008
69: 2,044,258
192— .01: 2,044,055
2,044,395
3: 2,044,316
4: 2,044,475
45: 2,044,197
56: 2,044,712
105: 2,044,487
147: 2,044,501
194— 1: 2,044,328
61: 2,044,110
63: 2,044,672
98: 2,044,107
196— 13: 2,044,603
17: 2,044,721
2,044,722
2,044,723
2,044,724
2,044,725
2,044,726
58: 2,044,636
93: 2,044,739
142: 2,044,014
197— 4: 2,044,530
55: 2,044,550
60: 2,044,631
114: 2,044,002
153: 2,044,072
172: 2,044,630
183: 2,044,641
198— 15: 2,044,109
199— 53: 2,044,685
62: 2,044,486
200— 18: 2,044,065
52: 2,044,160

200— 83: 2,044,465
2,044,729
2,044,736
88: 2,044,133
113: 2,044,157
116: 2,044,448
2,044,449
122: 2,044,147
2,044,678
123: 2,044,226
139: 2,044,397
140: 2,044,128
153: 2,044,025
168: 2,044,142
201— 50: 2,044,060
202— 15: R. 20,011
36: 2,044,416
204— 1: 2,044,742
6: 2,044,415
2,044,431
9: 2,044,704
25: 2,044,261
205— 13: 2,044,484
20: 2,044,574
206— 44: 2,044,035
16: 2,044,661
46: 2,044,596
208— 180: 2,044,211
209— 110: 2,044,120
241: 2,043,978
210— 16: 2,044,582
2,044,583
2,044,584
24: 2,044,247
99: 2,044,433
150: 2,044,096
191: 2,044,185
214— 11: R. 20,003
17: 2,044,193
138: 2,044,624
215— 14: 2,044,171
37: 2,044,602
217— 125: 2,044,547
219— 6: 2,044,180
8: 2,044,058
11: 2,044,504
19: 2,044,615

219— 20: 2,044,140
30: 2,044,263
2,044,264
38: 2,044,573
39: 2,044,611
2,044,634
220— 10: 2,044,081
2,044,093
27: 2,044,677
44: 2,044,004
49: 2,044,327
55: 2,044,276
221— 1: 2,044,556
19: 2,044,689
27: 2,044,208
60: 2,044,508
95: 2,044,027
2,044,727
116: 2,044,183
125: 2,044,186
145: 2,044,326
149: 2,044,706
223— 53: 2,044,479
91: 2,044,346
110: 2,044,627
229— 14: 2,044,048
16: 2,044,701
37: 2,044,103
39: 2,044,301
85: 2,044,541
230— 134: 2,044,028
175: 2,044,560
232— 57.5: 2,044,037
234— 1: 2,044,586
235— 1: 2,044,049
58: 2,044,119
2,044,121
101: 2,044,755
102: 2,044,200
2,044,201
2,044,202
132: 2,044,754
144: 2,044,756
236— 1: 2,044,538
68: 2,044,427
82: 2,044,461
91: 2,044,127

237— 45: 2,044,733
81: 2,044,195
238— 20: 2,044,060
364: 2,044,446
240— 41.3: 2,044,224
78: 2,044,317
242— 100: 2,044,073
138: 2,044,207
244— 2: 2,044,338
2,044,368
12: 2,044,108
2,044,357
30: 2,043,980
245— 5: 2,044,336
246— 33: 2,044,241
174: 2,044,737
471: 2,044,283
247— 2: 2,044,643
3: R. 20,005
7: 2,044,554
21: 2,044,650
43: 2,044,444
248— 7: 2,044,023
2,044,649
2,044,713
2,044,714
26: 2,044,385
28: 2,044,398
44: 2,044,192
161: 2,044,187
206: 2,044,520
243: 2,044,642
249— 22: 2,044,017
250— 11: 2,044,413
14: 2,044,759
15: 2,044,661
17: 2,044,519
20: 2,044,071
2,044,100
2,044,143
2,044,229
2,044,374
2,044,745
27: 2,044,003
27.5: 2,044,347
2,044,350
2,044,369

250— 27.5: 2,044,591
2,044,613
2,044,618
2,044,619
36: 2,044,749
2,044,137
40: 2,044,645
41.5: 2,044,146
2,044,164
251— 55: 2,044,590
76: 2,043,982
145: 2,044,342
156: 2,044,633
165: 2,044,254
252— 2: 2,044,341
6: 2,044,758
253— 16.5: 2,044,435
2,044,540
79: 2,044,532
254— 45: 2,044,592
71: 2,044,483
167: 2,044,565
195: 2,044,447
255— 1: 2,044,648
4: 2,044,349
15: 2,044,536
23: 2,044,203
71: 2,044,303
2,044,549
72: 2,044,057
257— 151: 2,044,457
226: 2,044,372
248: 2,044,237
262: 2,044,069
259— 9: 2,044,332
260— 2: 2,043,992
2,044,007
2,044,579
2,044,730
8: 2,044,747
27: 2,043,985
31: 2,044,404
38.5: 2,044,329
68: 2,044,562
84: 2,044,082
2,044,084
99.30: 2,044,015

260— 124: 2,044,016
125: 2,044,355
128: 2,044,045
130.5: 2,044,083
151: 2,044,468
154: 2,044,318
156: 2,044,414
2,044,417
261— 75: 2,044,173
93: 2,044,250
2,044,331
263— 15: 2,044,655
46: 2,044,090
265— 1.4: 2,044,079
266— 5: 2,044,734
6: 2,044,384
267— 19: 2,044,242
50: 2,044,375
270— 10: 2,044,460
271— 61: 2,044,738
62: 2,044,124
272— 59: 2,044,092
73: 2,043,977
273— 81: 2,044,567
94: 2,044,506
121: 2,044,177
2,044,309
134: 2,044,122
139: 2,044,268
143: 2,044,320
149: 2,044,266
275— 8: 2,044,652
276— 45: 2,044,144
277— 31: 2,044,162
42: 2,044,629
278— 14: 2,044,271
280— 33.1: 2,044,227
53: 2,044,363
96.2: 2,044,232
281— 25: 2,044,138
284— 19: 2,044,252
285— 3: 2,044,647
9: 2,044,052
13: 2,044,302
86: 2,044,335
143: 2,044,208
162: 2,044,430

286— 10: 2,044,692
287— 85: 2,044,392
292— 254: 2,044,500
294— 28: 2,044,656
120: 2,044,705
296— 44: 2,044,533
298— 22: R. 20,013
299— 8: 2,044,117
34: 2,044,039
84: 2,044,557
120: 2,044,091
2,044,694
2,044,695
2,044,696
2,044,697
2,044,720
130: 2,044,445
301— 124: 2,044,389
304— 40: 2,044,700
308— 6: 2,044,526
47: 2,044,040
79. 1: 2,044,514
88: 2,044,248
187: 2,044,390
198: 2,044,405
212: 2,044,168
217: 2,044,663
309— 11: 2,044,074
12: 2,044,087
13: R. 20,010
14: 2,044,379
24: 2,044,273
2,044,274
29: 2,044,272
30: 2,044,490
43: 2,044,451
2,044,453
311— 103: 2,044,235
105: 2,044,588
312— 30: 2,044,559
62: 2,044,231
80: 2,044,441
118: 2,044,288
135: 2,044,518
150: 2,044,141

U. S. GOVERNMENT PRINTING OFFICE: 1936

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Alba Pharmaceutical Company, Inc., New York, N. Y. Sedative and hypnotic preparation. Serial No. 376,747; June 23. Class 6.

Alba Pharmaceutical Company, Inc., New York, N. Y. Substitute for table salt. Serial No. 377,342; published June 23. Class 46.

Altoona Beauty and Barber Supply Company. (See Figard, Edgar G.)

Alum-A-Nite Company, Anderson, Ind. Non-illuminated reflector signals and signs for automobiles and the like. Serial No. 372,540; June 23. Class 50.

American Gypsum Company, The, Port Clinton, Ohio. Insecticides. Serial No. 377,732; June 23. Class 6.

American Spirits Inc., New York, N. Y. Rum, cordials, whiskey, and gin. Serial No. 370,595; June 23. Class 49.

Armour, Leon W., doing business as The Pioneer Company, North Bergen, N. J. Electric vacuum cleaners. Serial No. 376,079; June 23. Class 21.

Armstrong, Walter, doing business as Gas Gone Chemical Co., Washington, D. C. Medicine for relief of indigestion, heartburn, gas pains, etc. Serial No. 371,462; June 23. Class 6.

Aronberg, Lester, doing business as The Markal Co., Chicago, Ill. Crayons. Serial No. 374,673; June 23. Class 37.

Bagby and Co., Chicago, Ill. Filling machines. Serial No. 377,136; June 23. Class 23.

Baker, Harry L., doing business as Baker Art Publishing Company, Elmira, N. Y. Writing paper, post-cards, greeting cards, etc. Serial No. 375,041; June 23. Class 37.

Barrell, William L., Company, New York, N. Y. Cotton piece goods. Serial No. 376,327; June 23. Class 42.

Belanger, Joseph E., doing business as Bel-din Laboratories and Bel-din Company, Montrose, Calif. Liquid compound for treatment of asthma. Serial No. 377,662; June 23. Class 6.

Bel-din Company. (See Belanger, Joseph E.)

Berzer, M., Co., Inc., New York, N. Y. Piece goods. Serial No. 376,621; June 23. Class 42.

Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet sweepers. Serial Nos. 377,823–5; June 23. Class 23.

Bissell Carpet Sweeper Company, Grand Rapids, Mich. Carpet sweepers. Serial Nos. 377,827–30; June 23. Class 23.

Blaisdell Pencil Company, Philadelphia, Pa. Lead pencils. Serial No. 377,208; June 23. Class 37.

Blatchford Calf Meal Company, Waukegan, Ill. Feeds or ingredients for use in making poultry or animal feeds. Serial No. 375,747; June 23. Class 46.

Bloomingdale Bros., Inc., New York, N. Y. Pocketbooks. Serial No. 378,178; June 23. Class 3.

Blossom Products Corporation, Allentown, Pa. Suits, hosiery, pajamas, etc. Serial No. 373,716; June 23. Class 39.

Blue Rapids Milling & Elevator Co., The, Blue Rapids, Kans. Wheat flour. Serial No. 377,832; June 23. Class 46.

Bonne Bell, Inc., Cleveland, Ohio. Deodorants. Serial No. 376,625; June 23. Class 6.

Brown Co. Inc., The, New York, N. Y. Slips. Serial No. 377,094; June 23. Class 39.

Brown Platte Co., St. Paul, Minn. Ladies' hats. Serial No. 355,010; June 23. Class 39.

Burry Biscuit Corporation, Chicago, Ill., and Linden, N. J. Crackers. Serial No. 376,942; June 23. Class 46.

Butler Brothers, Chicago, Ill. Powder puffs. Serial No. 377,298; June 23. Class 29.

Calgon, Inc., Pittsburgh, Pa. Detergent. Serial Nos. 370,455–6; June 23. Class 4.

Carbide and Carbon Chemicals Corporation, New York, N. Y. Anti-freeze compounds. Serial No. 377,495; June 23. Class 6.

Cascade Outing Supply Company. (See Leith, Elton.)

Central Scientific Company, Chicago, Ill. Laboratory cement. Serial No. 377,138; June 23. Class 6.

Cercla Co., The, assignor to Cercla, Inc., Chicago, Ill. Permanent and loose leaf mechanical binders, blank books, diaries, etc. Serial No. 375,691; June 23. Class 37.

Cerecedo, J. H., doing business as Cerecedo, J. H., & Company, Chicago, Ill. Rum. Serial No. 378,553; June 23. Class 49.

Champ Products Corporation, Union City, Ind. Traveling bags, utility and toilet cases, catalog cases, etc. Serial No. 376,461; June 23. Class 3.

Chilton Pen Company, Inc., The, Long Island City, N. Y. Fountain pen sets, pencils, and pen desk sets. Serial No. 336,755; June 23. Class 37.

Cinelab, Inc., New York, N. Y. Motion picture film, prints, and titles. Serial No. 376,157; June 23. Class 26.

Clark Thread Company, The, Newark, N. J. Thread and yarn. Serial No. 378,038; June 23. Class 48.

Clary, Patrick T., doing business as Health Coffee Company, Pittsburgh, Pa. Coffee. Serial No. 377,912; June 23. Class 46.

Corundite Refractories, Inc., Pittsburgh, Pa. Refractories, insulating refractory materials, hi-temperature cements. Serial No. 374,406; June 23. Class 12.

Country Club Soda Co., Inc., Springfield, Mass. Whiskey. Serial No. 378,554; June 23. Class 49.

Crescent Insulated Wire and Cable Company, Trenton, N. J. Non-metallic sheathed cable. Serial No. 377,968; June 23. Class 21.

Crescent Insulated Wire and Cable Company, Trenton, N. J. Rubber insulation applied to electrical conductors and wire cable and conductors having said rubber insulation applied thereto. Serial No. 377,970; June 23. Class 21.

Crescent Insulated Wire and Cable Company, Trenton, N. J. Portable electrical cordage and conductors. Serial No. 377,971; June 23. Class 21.

Cumberland Pharmacal Company, Vineland, N. J. Preparation for coughs due to colds and minor throat irritations. Serial No. 377,540; June 23. Class 6.

Daggett & Ramsdell, New York, N. Y. Sunburn lotion. Serial No. 367,602; June 23. Class 6.

Danol Company. (See Tuvin, Julius H.)

Dermarel Company. (See Eisen, Natham.)

De Roos, Milton J., Brooklyn, N. Y. Facial mask, preparations for the treatment of wrinkles and facial astringent. Serial No. 376,897; June 23. Class 6.

Desert Wonder Products Co. (See Higginbotham, E. D.)

Distillers Company, Limited, The, Linden, N. J., and New York, N. Y. Gin. Serial No. 378,621; June 23. Class 49.

Ditto, Incorporated, Chicago, Ill. Typewriter ribbons. Serial No. 377,099; June 23. Class 11.

Doehler Die Casting Co., New York, N. Y. Die-casting metal and die-castings. Serial Nos. 368,470–1; June 23. Class 14.

Donnybrook Coat Co., Inc., New York, N. Y. Ladies' coats. Serial No. 377,780; June 23. Class 39.

Drive In Grocery & Market. (See Malmberg, Clarence R.)

Eagle Slide Fastener Company, Inc., New York, N. Y. Separable fasteners of the slider controlled type. Serial No. 377,500; June 23. Class 13.

Edmunds, George B., doing business as M. D. Manufacturing Company, Decatur, Ga. Non-medicated first-aid bandage in the form of latex rubber. Serial No. 375,880; June 23. Class 44.

Eisen, Natham, doing business as Dermarel Company, New York, N. Y. Skin lotion. Serial No. 375,429; June 23. Class 6.

Electro-Acoustic Products Company, Fort Wayne, Ind. Combined sound reproducing and picture projecting apparatus. Serial No. 377,143; June 23. Class 26.

Elliott Sales Service Co., Cleveland, Ohio. Glassware for table service. Serial No. 376,532; June 23. Class 33.

Embossing Company, The, Albany, N. Y. Luck pieces and tokens. Serial No. 375,242; June 23. Class 50.

Enro Shirt Co., Inc., Louisville, Ky. Men's negligee and dress shirts, and pajamas. Serial No. 377,843; June 23. Class 39.

Everitt, Allen, & Sons, Limited, London, England. Rolled copper and brass, and copper and brass wire, etc. Serial No. 377,267; June 23. Class 14.

Fashion Brassiere Co., Inc., New York, N. Y. Corsets, corselets, girdles and brassières. Serial No. 377,144; June 23. Class 39.

Federal Rubber Company, The, Chicago, Ill., and Chicopee Falls, Mass. Golf balls, balancing toys, and coaster wagons. Serial Nos. 378,303–4; June 23. Class 22.

Feller, Florence, Beverly Hills, Calif. Skin lotion. Serial No. 376,797; June 23. Class 6.

Figard, Edgar G., doing business as Altoona Beauty and Barber Supply Company, Altoona, Pa. Liquid hand soap, shaving soap, and liquid soap which has incidental properties as a shampoo. Serial No. 373,960; June 23. Class 4.

Fisk Rubber Corporation, The, Chicopee Falls, Mass. Golf balls, balancing toys, and coaster wagons. Serial No. 378,306–7; June 23. Class 22.

Five Star Publishing Corporation, San Francisco, Calif. Periodical publication. Serial No. 374,364; June 23. Class 38.

Fleisher Yarns, Inc., New York, N. Y. Yarns for art needlework. Serial No. 377,679; June 23. Class 48.

Friedman & Reiss, Inc., New York, N. Y. Ladies' and misses' cloaks, coats, and suits. Serial No. 376,719; June 23. Class 39.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Fruit Cosmetics Inc., Coral Gables, Fla. Lotion for the feet. Serial No. 377,680; June 23. Class 6.
Gall-Flo Laboratories, Inc., Cleveland, Ohio. Medicinal preparation. Serial No. 376,042; June 23. Class 6.
Gamewell Company, The, Newton, Mass. Mechanical and electro-mechanical sound producing warning signals. Serial No. 370,851; June 23. Class 21.
Gas Gone Chemical Co. (See Armstrong, Walter.)
Gebhart, Edgar S., doing business as Pontiac Medicine Company, Dayton, Ohio. General system tonic. Serial No. 376,579; June 23. Class 6.
General Diaper Service Corp., Brooklyn, N. Y. Diapers. Serial No. 372,666; June 23. Class 42.
General Printing Ink Corporation, Dover, Del., and New York, N. Y. Printing and/or lithographic inks and base products, etc. Serial No. 376,273; June 23. Class 11.
Gettelman, A., Brewing Co., Milwaukee, Wis. Beer. Serial No. 378,194; June 23. Class 48.
Gillibrand, P. W., doing business as Tapo Shell Co., Santa Susana, Calif. Decomposed oyster shells used for chicken feed. Serial No. 375,937; June 23. Class 1.
Gleason Works, The, Rochester, N. Y. Machinery gears. Serial No. 374,326; June 23. Class 23.
Glidden Company, The, Cleveland, Ohio. Paint enamels. Serial No. 377,304; June 23. Class 16.
Goodman, Lottie, Hollywood, Calif. Cosmetics. Serial No. 376,801; June 23. Class 6.
Gordon, Wolf, Cowen Co., Inc., New York, N. Y. Sweetmeat known as Halvah. Serial No. 375,328; June 23. Class 46.
Grant, W. T., Company, New York, N. Y. Absorbent cotton. Serial No. 377,509; June 23. Class 44.
Graphicut Displays Incorporated, New York, N. Y. Displays of printed advertising display signs. Serial No. 375,084; June 23. Class 38.
Guitar Products Company, The, Cleveland, Ohio. Musical instruments. Serial No. 376,201; June 23. Class 36.
Halitosine Company, St. Louis, Mo. Shaving cream. Serial No. 376,952; June 23. Class 4.
Hardee Company, The, Clyde, Ohio. Peach trees. Serial No. 375,437; June 23. Class 1.
Health Coffee Company. (See Clary, Patrick T.)
Heko-Werk Chemische Fabrik A.-G., Berlin-Tempelhof, Germany. Dental cements, plastic compounds for the manufacture of artificial dentures, hygienic syringes, etc. Serial No. 377,152; June 23. Class 44.
Higginbotham, E. D., doing business as Desert Wonder Products Co., Mentone, Calif. Medicinal preparations. Serial No. 377,153; June 23. Class 6.
Highland Fruit Co., Los Angeles, Calif. Fresh vegetables. Serial No. 377,982; June 23. Class 46.
Hockmeyer Bros., Inc., New York, N. Y. Cotton piece goods. Serial No. 375,884; June 23. Class 42.
Holland Rantos Company, Inc., New York, N. Y. Waterproof surgical fabrics. Serial No. 375,052; June 23. Class 50.
Hollander's Auto Stores, York, Pa. Spark plugs. Serial No. 377,983; June 23. Class 21.
Holman, Minnie, doing business as The Mineo Company, Detroit, Mich. Oil for treatment of the skin. Serial No. 376,675; June 23. Class 6.
Howard Paper Company, The, Urbana, Ohio. Ledger and bond paper. Serial No. 376,848; June 23. Class 37.
Huyck, F. C., & Sons, Rensselaer and Albany, N. Y. Blankets. Serial No. 352,115; June 23. Class 42.
Industrial Chemical Company, Sheridan, Ind. Cleaning compounds, soap powders, bottle washing compounds, etc. Serial No. 375,886; June 23. Class 4.
Jadwiga Remedies, Inc., Brooklyn, N. Y. Preparation for use as a laxative drug and bitter appetizer. Serial No. 375,392; June 23. Class 6.
Johnson, C. E., & Co., Chicago, Ill. Dressing compound for cleaning, surfacing, and coating white footwear. Serial No. 377,357; June 23. Class 4.
Johnson, Harry R., doing business as Reflector Belt Co., Baltimore, Ohio. Belt for safety purposes. Serial No. 374,718; June 23. Class 50.
Jomark Dresses, Inc., New York, N. Y. Misses' dresses. Serial No. 367,969; June 23. Class 39.
Keller, Heumann & Thompson Company, Inc., Rochester, N. Y. Suits, topcoats, and overcoats. Serial No. 375,083; June 23. Class 39.
Kimball, C. M., Co., Everett, Mass. Preparation for cleaning glass windshields and the like. Serial Nos. 376,903–4; June 23. Class 4.
Kimball, Leland H., Salt Lake City, Utah. Core binder, foundry sand binder, and parting material. Serial No. 376,284; June 23. Class 1.
Kings International, Incorporated, Chicago, Ill. Apricot, blackberry, cherry, and peach liqueurs. Serial No. 377,581; June 23. Class 49.
Kinney, Harry W., doing business as Scientific Sugars Company, Indianapolis, Ind. Cod liver oil concentrate liquid. Serial No. 373,608; June 23. Class 6.
Knott, William T. Co., Inc., New York, N. Y. Belts, bathing suits, coats, etc. Serial No. 371,545; June 23. Class 39.
Kodak City Beverages. (See Qualtop Beverages, Inc.)
Kolynos Company, The, New Haven, Conn. Shaving cream. Serial No. 376,680; June 23. Class 4.
Kremola Company, doing business as Kremola Co., Inc., Chicago, Ill. Face powder, talcum powder, body powder, etc. Serial No. 377,050; June 23. Class 6.
Kress, S. H., and Company, New York, N. Y. Metal polish, nickel polish, brass polish, soap, etc. Serial No. 370,053; June 23. Class 4.
Kress, S. H., and Company, New York, N. Y. Paper and cloth porch and window shades. Serial No. 374,972; June 23. Class 32.
Kurland, Moe, Inc., New York, N. Y. Dresses, suits, capes, and coats. Serial No. 374,243; June 23. Class 39.
Leiching, George, doing business as Worth-Le Products, Port Ewen, N. Y. Liquid metal polishes. Serial No. 376,807; June 23. Class 4.
Leith, Elton, doing business as Cascade Outing Supply Company, Seattle, Wash. Polishing wax. Serial No. 374,172; June 23. Class 16.
Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Overcoats. Serial No. 377,797; June 23. Class 39.
Liebovitz, S., & Sons, Inc., New York, N. Y. Shirts. Serial No. 377,586; June 23. Class 39.
Link, Otto, New York, N. Y. Reeds and mouthpieces for clarinets and saxophones. Serial No. 377,121; June 23. Class 36.
Lowe Brothers Company, The, Dayton, Ohio. Ready mixed liquid paint. Serial No. 377,516; June 23. Class 16.
Lowe, Joe, Corporation, New York, N. Y. Frosen confections. Serial Nos. 377,927–8; June 23. Class 46.
Luft, George W., Company, Inc., The, Long Island City, N. Y. Face powder and rouge. Serial No. 377,013; June 23. Class 6.
M. D. Manufacturing Company. (See Edmunds, George B.)
Mallory Electric Corporation, Detroit, Mich. Ignition systems for internal combustion engines. Serial No. 377,798; June 23. Class 21.
Malmberg, Clarence R., doing business as Drive In Grocery & Market, Boone, Iowa. Butter and coffee. Serial No. 372,884; June 23. Class 46.
Mangold, Aurel E., New York, N. Y. Eye-glasses, spectacles, goggles, etc. Serial No. 377,056; June 23. Class 26.
Markal Co., The. (See Aronberg, Lester.)
Maury-Cole Company, Memphis, Tenn. Dressing for salads. Serial No. 375,334; June 23. Class 46.
McArthur, Geo., & Sons Company, Baraboo, Wis. Knitted bath towels. Serial No. 375,486; June 23. Class 42.
McCahan, W. J., Sugar Refining & Molasses Co., The, Philadelphia, Pa. Cane sugar. Serial No. 373,305; June 23. Class 46.
McIntosh, Charles O., Des Moines, Iowa. Permanent hair waving machines. Serial No. 375,449; June 23. Class 44.
McLaurin-Jones Co., Brookfield, Mass. Gummed papers. Serial No. 377,277; June 23. Class 37.
Merck & Co. Inc., Rahway, N. J. Preparation used in the treatment of mange in animals. Serial No. 376,956; June 23. Class 6.
Miami Butterine Co., The, Cincinnati, Ohio. Oleomargarine. Serial No. 377,190; June 23. Class 46.
Midway Chemical Co., Chicago, Ill. Cleaning preparations for painted surfaces and the like. Serial No. 369,925; June 23. Class 4.
Minco Company, The. (See Holman, Minnie.)
Morley Brothers, Saginaw, Mich. Lawn mowers, hoes, rakes, etc. Serial No. 371,602; June 23. Class 23.
Morrison, Walter L., Portland, Oreg. Sawdust burners and furnaces. Serial No. 376,537; June 23. Class 34.
Myers, E. A., & Sons, Mt. Lebanon, Pittsburgh, Pa. Machines for prescribing audiphones for hard of hearing people. Serial No. 377,801; June 23. Class 44.
National Breweries, Limited, The, Montreal, Quebec, Canada. Porter. Serial No. 377,933; June 23. Class 48.
National Union Radio Corporation, Newark, N. J. Radio receiving sets and tubes. Serial No. 377,058; June 23. Class 21.
Newsview Publishing Company, Columbia, S. C. Weekly magazine publication. Serial No. 377,704; June 23. Class 38.
New York Color & Chemical Co. Inc., Belleville, N. J. Printing inks. Serial No. 371,683; June 23. Class 11.
Nord-Buffum Pearl Button Company, The, Louisiana, Mo. Pearl buttons. Serial No. 374,299; June 23. Class 40.
Nordisk Films Kompagni Aktieselskab af 1929, Copenhagen, Denmark. Motion-picture films. Serial No. 376,358; June 23. Class 26.
Observer Company, Charlotte, N. C. Section of a daily newspaper. Serial No. 377,125; June 23. Class 38.
Old Dixie Distilling Company, Inc., Richmond, Va. Whiskies. Serial No. 378,704; June 23. Class 49.
Park Drug Co. Inc., New York, N. Y. Tooth powder, astringent mouth wash, and liquid antiseptic. Serial No. 377,061; June 23. Class 6.
Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Board game. Serial No. 377,855; June 23. Class 22.
Paterson Roses, Inc., The, Paterson, N. J. Beverages and syrups and flavors for making same. Serial No. 378,414; June 23. Class 45.

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Patou, Jean, Inc., New York, N. Y. Eau de cologne. Serial No. 375,894; June 23. Class 6.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Handbags, gladstone bags, suit cases, etc. Serial No. 376,958; June 23. Class 3.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Chlorinated lime. Serial No. 376,605; June 23. Class 6.
Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda. Serial No. 376,606; June 23. Class 6.
Pine-White, Inc., Red Bank, N. J. Deodorizing disinfecting, whitewash paint, with a lime base. Serial No. 374,383; June 23. Class 16.
Pioneer Company, The. (See Armour, Leon W.)
Plymouth Wholesale Dry Goods Corp., New York, N. Y. Boys' shirts, pajamas, hats, etc. Serial No. 370,121; June 23. Class 39.
Pontiac Medicine Company. (See Gebhart, Edgar S.)
Prince Matchabelli Perfumery, Inc., New York, N. Y. Astringents, astringent cerates, bleach creams, etc. Serial No. 377,475; June 23. Class 6.
Procter & Gamble Company, The, Cincinnati, Ohio. Toilet and bath soap. Serial No. 375,948; June 23. Class 4.
Pulver Company, Inc., Rochester, N. Y. Chewing gum. Serial No. 378,003; June 23. Class 46.
Qualtop Beverages, Inc., doing business as Kodak City Beverages, Rochester, N. Y. Maltless beverages. Serial No. 376,053; June 23. Class 45.
Quinlan, Warner, Company, New York, N. Y. Petroleum fuel. Serial No. 371,566; June 23. Class 15.
Reflector Belt Co. (See Johnson, Harry R.)
Reilly, Frank C., New York, N. Y. Brakes. Serial No. 355,539; June 23. Class 19.
Republic Steel Corporation, Cleveland, Ohio. By-products of blast furnaces. Serial No. 376,227; June 23. Class 1.
Roanoke City Mills, Inc., Roanoke, Va. Cake flour. Serial No. 377,555; June 23. Class 46.
Robbins Engineering Company, Detroit, Mich. Magnetic chucks, sine plates. Serial No. 376,734; June 23. Class 23.
Rock-Ola Manufacturing Corporation, Chicago, Ill. Coin-controlled amusement apparatus. Serial No. 378,339; June 23. Class 22.
Rodwood Products, Inc., New York, N. Y. Silver polish and polishing cream for metals, porcelain, etc. Serial No. 377,477; June 23. Class 4.
Rogers Peet Company, New York, N. Y. Suits and coats. Serial No. 378,056; June 23. Class 39.
Rogers Peet Company, New York, N. Y. Coats, overcoats, topcoats, and suits. Serial No. 378,057; June 23. Class 39.
Rogo, Incorporated, New York, N. Y. Internal medicinal preparation. Serial No. 377,081; June 23. Class 6.
Roth, Emanuel M., doing business as E. M. Roth Hosiery Company, New York, N. Y. Women's hosiery. Serial No. 377,870; June 23. Class 39.
Royal Curtain Manufacturing Co., Boston, Mass. Curtains. Serial No. 376,250; June 23. Class 42.
Runkel Brothers, Inc., New York, N. Y. Candy. Serial No. 375,861; June 23. Class 46.
Saks & Company, New York, N. Y. Women's and misses' shoes. Serial No. 376,778; June 23. Class 39.
San Jose Canning Company, San Jose, Calif. Canned vegetables. Serial No. 376,827; June 23. Class 46.
Sankey, Joseph, & Sons, Ltd., Bilston, Staffordshire, England. Stamped and pressed metal goods. Serial No. 361,062; June 23. Class 2.
Schorr-Weiss, Inc., New York, N. Y. Chemically prepared skins. Serial No. 376,068; June 23. Class 1.
Scientific Sugars Company. (See Kinney, Harry W.)
Sears, Roebuck and Co., Chicago, Ill. Hosiery and underwear for men. Serial No. 376,450; June 23. Class 39.
Sessions Company, Inc., Enterprise, Ala. Peanut butter. Serial No. 376,818; June 23. Class 46.
Shackelton Inhaler Company, Grand Rapids, Mich. Balsam compound for sinus trouble, colds, asthma, etc. Serial No. 374,534; June 23. Class 6.
Siegel Bros. Kiki Maid Koats Inc., New York, N. Y. Piece goods. Serial No. 378,244; June 23. Class 42.
Smad Co., The, Pasadena, Calif. Foot powder for treatment of athlete's foot and skin ailments. Serial No. 375,479; June 23. Class 6.
Snidrowski, A. M., Richmond, Va. Crack and rust preventing polish. Serial No. 363,527; June 23. Class 16.
Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Golf balls. Serial No. 378,502; June 23. Class 22.
Soft-Lite Lens Company, Inc., New York, N. Y. Ophthalmic lenses and lens blanks. Serial No. 349,156; June 23. Class 26.
Soko Lace Co. Inc., New York, N. Y. Fabric piece goods. Serial No. 377,861; June 23. Class 42.
Stevens & Thompson Paper Company, New York, N. Y. Toilet paper and paper towels. Serial No. 377,240; June 23. Class 37.
Stevens & Thompson Paper Company, New York, N. Y. Toilet paper. Serial No. 377,244; June 23. Class 37.
Supplee-Biddle Hardware Co., Philadelphia, Pa. Ice cream freezers. Serial No. 378,247; June 28. Class 31.
Szczepkowski, Miroslaw, Chicago, Ill. Medicine in the form of herbs, teas, herb tea, etc., for indigestion, constipation, and stomach disorders. Serial No. 374,254; June 23. Class 6.
Tapo Shell Co. (See Gillibrand, P. W.)
Thriftee Products Co. (See Wonder Made Products Company.)
Thurber, Horace C., Clarendon, Va. Cleaning solvent compound. Serial No. 373,322; June 23. Class 4.
Topex Co., Durham, N. C. Preparation for relief and treatment of athlete's foot. Serial No. 377,035; June 23. Class 6.
Tuvin, Julius H., doing business as The Danol Company, New York, N. Y. Preparation in the nature of a tonic and dressing for the hair. Serial No. 376,699; June 23. Class 6.
"21" Brands, Inc., New York, N. Y. Rye whiskey. Serial No. 378,161; June 23. Class 49.
Udell, Max, Sons & Co., New York, N. Y. Suits, topcoats, and overcoats. Serial No. 377,651; June 23. Class 39.
Union Oil Company of California, Los Angeles, Calif. Chemically treated cleaning cloth. Serial No. 365,402; June 23. Class 4.
Union Oil Company of California, Los Angeles, Calif. Automobile top dressing. Serial No. 365,403; June 23. Class 4.
Union Oil Company of California, Los Angeles, Calif. Anti-leak compound. Serial No. 365,404; June 23. Class 6.
United-Carr Fastener Corporation, Cambridge, Mass. Bag frames. Serial No. 377,177; June 23. Class 3.
United Distillers Corporation, Providence, R. I. Whiskies. Serial No. 377,890; June 23. Class 49.
U. S. Bulk Whiskey Corp., New York, N. Y. Whiskey. Serial No. 378,597; June 23. Class 49.
Utah Woolen Mills, Salt Lake City, Utah. All-wool auto robes. Serial No. 377,726; June 23. Class 42.
Utica and Mohawk Cotton Mills, Inc., Utica, N. Y. Cotton sheets, pillow cases, and cotton piece goods. Serial No. 377,865; June 23. Class 42.
U-Wan-A Wash Frocks, Inc., New York, N. Y. Dresses, suits, wash frocks, etc. Serial No. 376,149; June 23. Class 39.
Vahsing, F. H., Inc., New York, N. Y. Fresh vegetables. Serial No. 377,486; June 23. Class 46.
Vogt, V. R., doing business as V. R. Vogt, & Co., Des Moines, Iowa. Rubber goods. Serial No. 371,991; June 22. Class 44.
Walker, Hiram, & Sons Inc., Peoria, Ill. Whiskey. Serial No. 378,511; June 23. Class 49.
Walker, Hiram, & Sons Inc., Peoria, Ill. Whiskey. Serial Nos. 378,599–600; June 23. Class 49.
Walker, Joe E., Kalamazoo, Mich. Dressed poultry. Serial No. 370,858; June 23. Class 46.
Wa-Shade Manufacturing Company, Inc., New York, N. Y. Window shades. Serial No. 377,488; June 23. Class 32.
Wasum, Wilhelm, Bacharach on Rhine, Germany. Wines. Serial No. 374,031; June 23. Class 47.
Watkins, Charles S., Bloomington, Ill. Beverages and syrups and extracts for making same. Serial No. 378,163; June 23. Class 45.
Wehenn Abrasive Company, Chicago, Ill. Blast sand. Serial No. 376,020; June 23. Class 4.
Western Clock Company, Peru, Ill. Clocks and watches. Serial No. 377,866; June 23. Class 27.
Western Clock Company, Peru, Ill. Clocks and watches. Serial No. 377,868; June 23. Class 27.
Winthrop Chemical Company, Inc., New York, N. Y. Sedative and hypnotic analgesic. Serial No. 376,785; June 23. Class 6.
Wonder Made Products Company, doing business as Thriftee Products Co., Los Angeles, Calif. Salad dressings, French dressings, sandwich spreads, etc. Serial No. 373,629; June 23. Class 46.
Workman, Bernard, Inc., New York, N. Y. Ladies' hats. Serial No. 377,731; June 23. Class 39.
Worth-Le Products. (See Leiching, George.)
Zeiss, Carl, Jena, Germany. Lenses, eyglasses, reading glasses, etc. Serial No. 377,902; June 23. Class 26.
Zuckert, A. B., Milwaukee, Wis. Raincoats. Serial No. 377,135; June 23. Class 39.

LIST OF REGISTRANTS OF TRADE-MARKS

Abilene Flour Mills Co., The, assignor to The Abilene Flour Mills Company, Abilene, Kans. Wheat-flour. 113,216; renewed Oct. 10, 1936.

Abilene Flour Mills Co., The, assignor to The Abilene Flour Mills Company, Abilene, Kans. Wheat-flour. 113,537; renewed Oct. 24, 1936.

Absorene Manufacturing Company, The, St. Louis, Mo. Wall paper cleaner. 336,126; June 23. Class 4.

Adelson, Joseph & Sons, New York, N. Y. Women's undergarments. 336,126; June 23. Class 39.

Alden, Betty, Chocolate Co. (See Gold Brand Confectionery, Inc.)

American District Steam Company, North Tonawanda, N. Y. Heating, lighting, and ventilating apparatus. 111,155; renewed July 4, 1936.

American Glanzstoff Corporation, New York, N. Y., now by change of name, North American Rayon Corporation. Knitted, netted, and textile fabrics. 336,127; June 23. Class 42.

American Newspapers, Inc., New York, N. Y. Newspaper section. 336,023; June 23; Serial No. 374,393; published Apr. 14, 1936. Class 38.

Andrews, Walter E., doing business as Athleeta Laboratories, San Francisco, Calif. Ointment. 336,049; June 23; Serial No. 375,310; published Apr. 14, 1936. Class 6.

Apple Growers Association. (See Hood River Apple Vinegar Co.)

April, Sam, Liquor Store, Inc., Washington, D. C. Whiskey. 336,111; June 23; Serial No. 375,685; published Apr. 14, 1936. Class 49.

Aseptinol Manufacturing Company, Baltimore, Md. Antiseptic ointment and antiseptic powder. 112,622; renewed Sept. 19, 1936.

Athleeta Laboratories. (See Andrews, Walter E.)

Atlantic Salt Company, Boston, Mass. Salt. 336,094; June 23; Serial No. 374,875; published Apr. 14, 1936. Class 46.

Babes, William, New York, N. Y. Slips and night gowns. 336,078; June 23; Serial No. 374,676; published Apr. 7, 1936. Class 39.

Balfour, L. G., Company, Attleboro, Mass. Finger rings, ornamental pins, charms, etc. 336,057; June 23; Serial No. 375,366; published Apr. 14, 1936. Class 28.

Baltimore Dairy Company, The. (See Powell, Milton W.)

Barrell, Charles, doing business as Charles Barrell, Manufacturing Chemist, Hollis, N. Y. Paint, and concentrates used in the manufacture thereof. 336,051; June 23; Serial No. 375,315; published Apr. 14, 1936. Class 16.

Belding Bros. & Co., Rockville, Conn., and New York, N. Y., by change of name to Belding Heminway Company, Putnam, Conn., and New York, N. Y. Textile threads. 109,505; renewed Apr. 11, 1936.

Belding Heminway Company. (See Heminway, M., & Sons Silk Co., assignor.)

Belding Heminway Company. (See Richardson Silk Co., assignor.)

Bianchini, Férier, Lyon, France, assignor to Bianchini, Ferier, Inc., New York, N. Y. Piece goods. 112,363; renewed Sept. 5, 1936.

Bishop, Edward C., doing business as Eez-On Products Company, Campgaw, N. J. Wax polish. 336,008; June 23; Serial No. 373,243; published Apr. 14, 1936. Class 16.

BiSoDol Company, The, New Haven, Conn. Laxative antacid preparation. 336,114; June 23; Serial No. 375,537; published Apr. 14, 1936. Class 6.

Blo-Klene Antiseptic Speed Razor, Inc., New York, N. Y. Razors and razor blades. 336,128; June 23. Class 23.

Borenstein, H., & Sons, Baltimore, Md. Men's and boys' coats, vests, and pants. 336,129; June 23. Class 39.

Botanical Manufacturing Co., Wilmington, Del., and Philadelphia, Pa., to Essential Manufacturing Co., Philadelphia, Pa., successor. Insect-powder. 108,079; renewed Jan. 18, 1936.

Bradford Dyeing Association (U. S. A.), Bradford, R. I. Cotton piece goods. 113,553; renewed Oct. 24, 1936.

Bradley, Milton, Company, Springfield, Mass. Board games. 336,119; June 23; Serial No. 375,492; published Apr. 14, 1936. Class 22.

Brandenstein, M. J., & Co., San Francisco, Calif., assignor to M. J. B. Co., Wilmington, Del., and San Francisco, Calif. Rice. 110,878; renewed June 13, 1936.

Brandenstein, M. J., & Co., San Francisco, Calif., assignor to M. J. B. Co., Wilmington, Del., and San Francisco, Calif. Coffee. 110,880; renewed June 13, 1936.

Bridgeport Brass Company, Bridgeport, Conn. Hardware and plumbing and steam-fitting supplies. 113,555; renewed Oct. 24, 1936.

Brown-Forman Distillery Company, Louisville, Ky. Whiskey, gin, rum, etc. 336,109; June 23; Serial No. 375,753; published Apr. 14, 1936. Class 49.

Burlington Drug Co., Burlington, Vt. Powdered boric acid, alum, borax, etc. 336,095; June 23; Serial No. 374,877; published Apr. 14, 1936. Class 6.

Carter's Ink Company, The, Cambridge, Mass. Paste. 110,849; renewed June 13, 1936.

Cazés, Hazel H., doing business aa Drury Lane Chocolates, New York, N. Y. Packed chocolate candies. 336,007; June 23; Serial No. 373,280; published Apr. 14, 1936. Class 46.

Celluloid Corporation, Newark, N. J. Lamp shades. 336,003; June 23; Serial No. 373,670; published Apr. 14, 1936. Class 34.

Chase & Company, Jacksonville, Fla. Citrus fruits and fresh fruits and vegetables. 109,820; renewed Apr. 18, 1936.

Chase & Sanborn, Boston, Mass., assignor, by mesne assignments to Standard Brands Incorporated, New York, N. Y. Coffee. 113,227; renewed Oct. 10, 1936.

Colgate-Palmolive-Peet Company. (See Johnson, B. J., Soap Company, assignor.)

Comer, Thomas J., doing business as Pyropathol Laboratories, Atlanta, Ga. Preparation for the treatment and prevention of mouth infections. 336,046; June 23; Serial No. 375,198; published Apr. 14, 1936. Class 6.

Continental Blade Corporation, Brooklyn, N. Y. Shaving cream and soap. 336,035; June 23; Serial No. 359,712; published Mar. 5, 1935. Class 4.

Continental Blade Corporation, Brooklyn, N. Y. Razors and razor blades. 336,130; June 23. Class 23.

Continental Pure Products Co. (See Polefsky, Jacob S.)

Cook, Cecil R., doing business as Cook's Confections, New Orleans, La. Confections. 336,087; June 23; Serial No. 371,841; published Apr. 14, 1936. Class 46.

Cooper, Wells & Company, St. Joseph, Mich. Hosiery. 336,131; June 23. Class 39.

Corning Glass Works, Corning, N. Y. Detachable and interchangeable handles for cooking and serving dishes. 336,044; June 23; Serial No. 375,131; published Apr. 14, 1936. Class 23.

Crandall Packing Company, Palmyra, N. Y. Steam, water, gas, etc., packing. 336,030; June 23; Serial No. 368,519; published Apr. 14, 1936. Class 35.

Crawford McGregor and Canby Company, The, Dayton, Ohio. Golf clubs. 336,089; June 23; Serial No. 374,880; published Apr. 14, 1936. Class 22.

Creco Company, Inc., Long Island City, N. Y. Cleaners, liquid soaps, etc. 336,100; June 23; Serial No. 370,174; published Apr. 7, 1936. Class 4.

Daggett & Miller Company, Providence, R. I. Surgical dressing. 110,313; renewed May 16, 1936.

Defiance Spark Plugs, Inc., Toledo, Ohio. Spark plugs. 335,986; June 23; Serial No. 372,399; published Apr. 14, 1936. Class 21.

De Hoyos y Vinent, José María, Jerez de la Frontera, Spain. Brandies, cognac, anise, etc. 336,083; June 23; Serial No. 354,405; published Dec. 18, 1934. Class 49.

Demartini, L., Co., The, San Francisco, Calif. Nuts. 336,061; June 23; Serial No. 374,115; published Apr. 14, 1936. Class 46.

Demartini, L., Co., The, San Francisco, Calif. Nuts. 336,074; June 23; Serial No. 374,114; published Apr. 14, 1936. Class 46.

Denebeim's Wholesale Liquor Co., Kansas City, Mo. Whiskey. 336,080; June 23; Serial No. 358,973; published Apr. 9, 1935. Class 49.

Dermalab, Inc., Winnetka, Ill. Shampoo. 336,037; June 23; Serial No. 375,006; published Apr. 14, 1936. Class 6.

Distillers Exchange, Inc., New York, N. Y. Whiskey. 336,110; June 23; Serial No. 375,701; published Apr. 14, 1936. Class 49.

Doody, Alton F., New Orleans, La. Medicinal preparation. 336,064; June 23; Serial No. 374,711; published Apr. 14, 1936. Class 6.

Dootson, Jay E. (See Kaiser, Chas., assignor.)

Do-Slicer Company, Inc., Springfield, Mass. Machines for slicing dough. 336,132; June 23. Class 23.

Drury Lane Chocolates. (See Cazés, Hazel H.)

Duquesne Reduction Company, Pittsburgh, Pa. Metallic ingots formed of copper. 109,892; renewed Apr. 25, 1936.

Eas-E-Ice Manufacturing Co., Indianapolis, Ind. Prepared cake icing. 335,996; June 23; Serial No. 373,955; published Apr. 14, 1936. Class 46.

Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens. (See Mülhens, Paul P.)

Edelman, Philip E., Chicago, Ill. Humidifiers, air-moisteners, air-conditioners, etc. 336,096; June 23; Serial No. 371,307; published Apr. 14, 1936. Class 21.

Eez-On Products Company. (See Bishop, Edward C.)

Emblem Manufacturing Company, doing business as The Pierce Cycle Company, Angola, N. Y. Bicycles. 336,085; June 23; Serial No. 352,463; published Sept. 24, 1935. Class 19.

Emerson Glass Corporation, Jamestown, N. Y. Metallic protecting paint for the backs of mirrors. 336,118; June 23; Serial No. 375,500; published Apr. 14, 1936. Class 16.

Essential Manufacturing Co. (See Botanical Manufacturing Co.)

Farmers and Manufacturers Beet Sugar Association, Saginaw, Mich. Title of a monthly publication. 336,069; June 23; Serial No. 374,925; published Apr. 14, 1936. Class 38.

Farrington & Evans, Inc., New York, N. Y. Veils. 336,001; June 23; Serial No. 373,725; published Apr. 14, 1936. Class 42.

Fedco Company. (See Federer, Louis A.)

Federal Glass Company, The, Columbus, Ohio. Glass tumblers and glass stemware. 336,004; June 23; Serial No. 373,494; published Apr. 14, 1936. Class 33.

Federer, Louis A., doing business as Fedco Company, Rosemead, Calif. Poultry, rabbit and bird feed, and dog food. 336,098; June 23; Serial No. 370,463; published Apr. 14, 1936. Class 46.

Fischer, Aaron L., Bradford, Pa. Woven, knitted, and textile piece goods. 336,029; June 23; Serial No. 369,059; published Apr. 14, 1936. Class 42.

Fiske Brothers Refining Co., New York, N. Y. Lubricating-greases. 113,574; renewed Oct. 24, 1936.

Flock Brewing Co., Williamsport, Pa. Beer and ale. 336,045; June 23; Serial No. 375,141; published Apr. 14, 1936. Class 48.

Floor Maintenance Bureau, Inc., Newark, N. J. Preparation for polishing floors, etc. 336,097; June 23; Serial No. 371,147; published Apr. 14, 1936. Class 16.

Fownes Brothers & Co., London, England, and New York, N. Y., assignor to Fownes Brothers & Co. Incorporated. Gloversville, Amsterdam, and New York, N. Y. Gloves. 110,095; renewed May 2, 1936.

Frackman, Harry & Ben, Inc., New York, N. Y. Jewelry for personal wear. 336,084; June 23; Serial No. 354,199; published Apr. 14, 1936. Class 28.

Frederick & Nelson. (See Marshall Field & Company.)

Freudenheim, J., & Sons, New York, N. Y. Finger rings. 336,021; June 23; Serial No. 374,392; published Apr. 14, 1936. Class 28.

Gailey, Florence L., doing business as Universal Health Foundation, Los Angeles, Calif. Compound for producing a beverage to be used as a coffee substitute. 336,002; June 23; Serial No. 373,664; published Apr. 14, 1936. Class 46.

General Desserts Corporation, New York, N. Y. Beverage powder. 336,117; June 23; Serial No. 375,506; published Apr. 14, 1936. Class 45.

General Motors Corporation, Detroit, Mich. Reflecting safety signals and instrument panels for automobiles. 335,987; June 23; Serial No. 372,412; published Apr. 14, 1936. Class 19.

General Tire & Rubber Company, The, Akron, Ohio. Pneumatic tires. 336,032; June 23; Serial No. 362,415; published Apr. 14, 1936. Class 35.

Gevaert Photo-Producten Naamloose Vennootschap (Photo-Products Gevaert Société Anonyme), Oude-God, near Antwerp, Belgium. Sensitized photographic papers, plates, films, etc. 336,041; June 23; Serial No. 375,046; published Apr. 14, 1936. Class 26.

Glitter Products, Inc., Detroit, Mich. Detergent material. 336,076; June 23; Serial No. 374,557; published Apr. 7, 1936. Class 4.

Globe Roofing Products Co. Inc., Chicago, Ill. Asphalt composition roofing and building papers. 336,079; June 23; Serial No. 374,586; published Apr. 7, 1936. Class 12.

Gold Brand Confectionery, Inc., doing business as Betty Alden Chocolate Co., Boston, Mass. Candy. 336,034; June 23; Serial No. 361,883; published June 4, 1935. Class 46.

Goldsmith, P., Sons Company, The, Cincinnati, Ohio. Golf balls and golf clubs. 336,019; June 23; Serial No. 375,436; published Apr. 14, 1936. Class 22.

Goodrich, B. F., Company, The, Akron, Ohio. Electrical insulating compositions. 336,042; June 23; Serial No. 375,082; published Apr. 14, 1936. Class 21.

Gretsch & Brenner, Inc., New York, N. Y. Accordions. 336,086; June 23; Serial No. 374,749; published Apr. 14, 1936. Class 36.

Griffith-Durre Company, San Francisco, Calif. Canned fruits. 111,928–9; renewed Aug. 15, 1936.

Hamburg Plow Works. (See Loose, S. A., & Son.)

Harmony Health Foods Co., Inc., The, Homstead, Fla. Concentrated food. 336,006; June 23; Serial No. 373,300; published Apr. 14, 1936. Class 46.

Hawkeye Portland Cement Company, Des Moines, Iowa. Portland cement. 113,381; renewed Oct. 17, 1936.

Heminway, M., & Sons Silk Co., Watertown, Conn., assignor, by mesne assignments, to Belding Heminway Company, Putnam, Conn., and New York, N. Y. Embroidery-silks. 111,728; renewed Aug. 1, 1936.

Henderson, Roy E., Carrollton, Ohio. Semi-porcelain dinnerware. 336,133; June 23. Class 30.

Hercules Powder Company, Wilmington, Del. Zinc sulphide in powder form used as a paint base. 335,991; June 23; Serial No. 372,832; published Apr. 14, 1936. Class 16.

Herschede, Frank, Company, Cincinnati, Ohio. Finger rings, ring mountings, fla; and hollow silver table ware, etc. 336,086; June 23; Serial No. 348,384; published Apr. 14, 1936. Class 28.

Hewitt, C. B., & Brothers, assignor to C. B. Hewitt & Bros. Inc., New York, N. Y. Paper-board for making shoe patterns and the like. 113,586; renewed Oct. 24, 1936.

Hibbard, Spencer, Bartlett & Company, Chicago, Ill. Electric carpet-sweepers, flashlights, radio dry-batteries, etc. 335,993; June 23; Serial No. 372,970; published Apr. 14, 1936. Class 21.

Hodges, F. G., Bedding Co., Reading, Pa. Mattresses. 336,048; June 23; Serial No. 375,246; published Apr. 14, 1936. Class 32.

Hogle & Taylor Company, New York, N. Y. Photographs. 335,983; June 23; Serial No. 372,246; published Apr. 7, 1936. Class 38.

Hogle & Taylor Company, New York, N. Y. Photographs. 335,984–5; June 23; Serial Nos. 372,366–7; published Apr. 7, 1936. Class 38.

Holtzman, Nathan, Corp., New York, N. Y. Watch cases, dials, and movements thereof. 336,033; June 23; Serial No. 362,229; published Apr. 28, 1935. Class 27.

Hood River Apple Vinegar Co., to Apple Growers Association, Hood River, Oreg., successor. Vinegar. 110,660; renewed June 6, 1936.

Hush Company. (See Kirstein, Estelle A.)

Illinois Electric Porcelain Company, Macomb, Ill. Knobs, cleats, tubes, etc., for electrical use. 335,999; June 23; Serial No. 373,735; published Apr. 14, 1936. Class 21.

Imperial Brass Manufacturing Company, The, Chicago, Ill. Oxygen and acetylene regulators, pressure testing cylinders, pressure gauges, etc. 336,012; June 23; Serial No. 373,040; published Apr. 14, 1936. Class 26.

Industrial Chemical Products Co., Detroit, Mich. Preparation to be used as a fabric cleaner and for washing and cleaning surfaces and materials. 336,027; June 23; Serial No. 369,533; published Apr. 7, 1936. Class 4.

Jacobson-Son, Inc., New York, N. Y. Foulard cloth of silk. 336,036; June 23; Serial No. 359,038; published Mar. 5, 1935. Class 42.

Johnson, B. J., Soap Company, Milwaukee, Wis., assignor, by mesne assignments, to Colgate-Palmolive-Peet Company, Jersey City, N. J. Toilet and shaving soaps. 113,591; renewed Oct. 24, 1936.

Johnson, Nestor, Manufacturing Company, Chicago, Ill. Ice skates and skate outfits. 336,016; June 23; Serial No. 375,457; published Apr. 14, 1936. Class 22.

Junkers & Co. Gesellschaft mit beschränkter Haftung, Dessau, Germany. Electric water heaters, electric heating boilers, and parts thereof, electric cooking apparatus, etc. 336,134; June 23. Class 21.

K-T-S Products. (See Sheffield Company, The.)

Kaiser, Chas., New York, N. Y., assignor, by mesne assignments, to Jay E. Dootson, Seattle, Wash. Cigars, cheroots, and little cigars. 111,830; renewed Aug. 8, 1936.

Karegeannes, G. K., Spartanburg, S. C. Facial creams, skin lotions, and toilet water. 335,997; June 23; Serial No. 373,874; published Apr. 14, 1936. Class 6.

Kewpie Lingerie Inc., New York, N. Y. Pajamas, slips, chemises, etc. 336,135–6; June 23. Class 39.

Kil-rhu-ma-tiz Co. (See Smith, Walter H.)

King Features Syndicate, Inc. (See Star Company.)

Kirstein, Estelle A., doing business as Hush Company, Philadelphia, Pa. Preparation for chapped, cracked, or dry lips. 335,998; June 23; Serial No. 373,792; published Apr. 14, 1936. Class 6.

Koch, William F., doing business as Koch Laboratories, Detroit, Mich. Preparation for cancer, diabetes, etc. 336,017–18; June 23; Serial Nos. 375,441–2; published Apr. 14, 1936. Class 6.

Kotkes, W., & Son, New York, N. Y. Maids' and nurses' utility uniforms. 336,103; June 23; Serial No. 374,314; published Apr. 7, 1936. Class 39.

Krider Nurseries Incorporated, The, Middlebury, Ind. Catalogues and booklets. 336,039; June 23; Serial No. 375,016; published Apr. 14, 1936. Class 38.

Lane Publishing Co., San Francisco, Calif. Section of a printed publication. 336,070; June 23; Serial No. 374,929; published Apr. 14, 1936. Class 38.

Lobowitz, Meyer N., Philadelphia, Pa. Electric cigarette lighters. 335,995; June 23; Serial No. 373,964; published Apr. 14, 1936. Class 21.

Lompoc Vegetable Union, Lompoc, Calif. Fresh vegetables. 336,063; June 23; Serial No. 374,625; published Apr. 14, 1936. Class 46.

Loose, S. A. & Son, to Hamburg Plow Works, Hamburg, Pa., successor. Plows and plowshares. 111,527; renewed July 28, 1936.

M. J. B. Co. (See Brandenstein, M. J., & Co., assignor.)

Maccaferri, Mario, Paris, France, and New York, N. Y. Reeds for musical wind instruments. 335,980; June 23; Serial No. 364,549; published Apr. 14, 1936. Class 36.

Majestic Distilling Company, Inc., Baltimore, Md. Whiskey, gin, brandy, etc. 336,116; June 23; Serial No. 375,514; published Apr. 14, 1936. Class 49.

Mangels, Herold Co., Inc., Baltimore, Md. Table syrup. 336,020; June 23; Serial No. 374,890; published Apr. 14, 1936. Class 46.

Manischewitz, B., Company, The, Cincinnati, Ohio. Foods. 113,272; renewed Oct. 10, 1936.

Manville Company, Providence, to Manville Jenckes Corporation, Manville, R. I., successor. Cotton, woolen, and mixed piece goods. 113,406; renewed Oct. 17, 1936.

Margolin, A., & Bros., Inc., New York, N. Y. Textile fabrics of all types. 336,011; June 23; Serial No. 373,455; published Apr. 14, 1936. Class 42.

Markell Manufacturing Co. Inc., New York, N. Y. Metal staples. 336,000; June 23; Serial No. 373,645; published Apr. 14, 1936. Class 13.

Marshall Field & Company, doing business as Frederick & Nelson, Chicago, Ill. Candies. 336,050; June 23; Serial No. 375,312; published Apr. 14, 1936. Class 46.

McBride, Wm. W., doing business as Wm. W. McBride Co., Seattle, Wash. Canned salmon. 336,067; June 23; Serial No. 374,842; published Apr. 14, 1936. Class 46.

McKesson & Robbins, Incorporated, Fairfield, Conn. Whiskey. 336,108; June 23; Serial No. 375,807; published Apr. 14, 1936. Class 49.

Mead Johnson & Company, Evansville, Ind. Infant's food. 336,024; June 23; Serial No. 374,420; published Apr. 14, 1936. Class 46.

Mobile Mattress Company, Mobile, Ala. Quilted pads, box springs, and spring construction units for beds, etc. 336,088; June 23; Serial No. 370,059; published Apr. 14, 1936. Class 32.

Morris & Company, assignor to The North American Provision Company, Chicago, Ill. Oleomargarin. 113,114; renewed Oct. 10, 1936.

Mülhens, Paul P., doing business as Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Fferdepost von Ferd. Mülhens, Cologne, Germany. Soaps, toilet soaps, cleaning preparations, etc. 336,005; June 23; Serial No. 373,458; published Apr. 7, 1936. Class 4.

National Library Bindery Company. (See New England Library Bindery Company, The.)

National Meter Company, Brooklyn, N. Y. Accuracy regulating accessory for liquid flow meters and for liquid flow meters embodying the same. 336,025; June 23; Serial No. 374,472; published Apr. 14, 1936. Class 26.

National Sugar Refining Company of New Jersey, The, Jersey City, N. J., and New York, N. Y. Sugar. 336,038; June 23; Serial No. 375,023; published Apr. 14, 1936. Class 46.

National Washboard Company, Chicago, Ill. Washboards. 111,755; renewed Aug. 1, 1936.

Nelson, B. F., Manufacturing Company, The, Minneapolis, Minn. Prepared roofing. 113,119; renewed Oct. 10, 1936.

New England Library Bindery Company, The, Springfield, to National Library Bindery Company, West Springfield, Mass. Paper and stationery. 113,120; renewed Oct. 10, 1936.

New York Pressing Iron Co., to New York Pressing Iron Co. Inc., New York, N. Y., successor. Gas-irons. 111,541; renewed July 25, 1936.

Ney Distributing Company, Inc., Washington, D. C. Whiskey. 336,102; June 23; Serial No. 374,339; published Apr. 14, 1936. Class 49.

Nigbor Fur Coat Co. Inc., Stevens Point, Wis. Fur coats. 336,137; June 23. Class 39.

North American Newspaper Alliance, Inc., New York, N. Y. Newspaper column. 336,091; June 23; Serial No. 374,377; published Apr. 14, 1936. Class 38.

North American Provision Company, The. (See Morris & Company, assignor.)

North American Rayon Corporation. (See American Glanzstoff Corporation.)

Old Age Revolving Pensions, Ltd., Washington, D. C. Buttons, badges, and insignias. 336,099; June 23; Serial No. 370,356; published Apr. 14, 1936. Class 50.

Old File Cutlery Company, Havana, Ill. Cutlery. 112,802; renewed Sept. 26, 1936.

Oneida Community, Limited, Oneida, by change of name to Oneida Ltd., Sherrill, and Oneida, N. Y., and Northampton, Mass. Tableware and flat-ware. 113,624–6; renewed Oct. 24, 1936.

Pacific American Fisheries, Inc. (See Puget Sound Packing Co.)

Paper Vessels Company, The, Baltimore, assignor to The Purity Paper Vessels Company, Clipper Mills, Hampden P. O., Baltimore, Md. Containers and parts thereof. 111,269; renewed July 4, 1936.

Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Board game. 336,014; June 23; Serial No. 375,462; published Apr. 14, 1936. Class 22.

Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Board game. 336,015; June 23; Serial No. 375,460; published Apr. 14, 1936. Class 22.

Parkinston, J. R., & Co., Ltd., London, England. Sherry. 335,988; June 23; Serial No. 372,427; published Apr. 14, 1936. Class 47.

Pendergast, T. J., Wholesale Liquor Co., Kansas City, Mo. Whiskey, gin, rum, etc. 336,106; June 23; Serial No. 375,856; published Apr. 14, 1936. Class 49.

Pendergast, T. J., Wholesale Liquor Co., Kansas City, Mo. Whiskey, gin, rum, etc. 336,115; June 23; Serial No. 375,519; published Apr. 14, 1936. Class 49.

Pepperell Manufacturing Company, Boston, Mass. Especially treated or coated fabrics. 336,010; June 23; Serial No. 373,145; published Apr. 14, 1936. Class 50.

Peterson, George E., Los Angeles, Calif. Sheet music. 335,982; June 23; Serial No. 372,225; published Apr. 7, 1936. Class 38.

Phoebus Corporation, Chicago, Ill. Coin controlled amusement devices and marksmanship practicing devices. 335,990; June 23; Serial No. 372,789; published Apr. 14, 1936. Class 22.

Polefsky, Jacob S., doing business as Continental Pure Products Co., Jersey City, N. J. Whiskeys, brandies, gins, etc. 336,052–3; June 23; Serial Nos. 375,346–7; published Apr. 14, 1936. Class 49.

Polefsky, Jacob S., doing business as Continental Pure Products Co., Jersey City, N. J. Alcoholic cordials, and whiskey cocktails. 336,138; June 23. Class 49.

Powell, Milton W., doing business as the Baltimore Dairy Company, Baltimore, Md. Fresh milk and cream, buttermilk and chocolate milk. 336,026; June 23; Serial No. 374,479; published Apr. 14, 1936. Class 46.

Pratt Paper Company, The, Des Moines, Iowa. Paper tablets and note-books. 113,135; renewed Oct. 10, 1936.

Puget Sound Packing Co., to Pacific American Fisheries, Inc., South Bellingham, Wash., successor. Canned salmon. 110,776; renewed June 13, 1936.

Purity Paper Vessels Company, The. (See Paper Vessels Company, The, assignor.)

Pyronathol Laboratories. (See Comer, Thomas J.)

Reinfeld, Joseph H., Inc., Newark, N. J. Whiskey. 336,105; June 23; Serial No. 375,858; published Apr 14, 1936. Class 49.

Reinfeld, Joseph H., Inc., Newark, N. J. Whiskey. 336,107; June 23; Serial No. 375,814; published Apr. 14, 1936. Class 49.

Remington Arms Company, Inc., Bridgeport, Conn. Firearms. 336,054–6; June 23; Serial Nos. 375,401–3; published Apr. 14, 1936. Class 9.

Remington Arms Company, Inc., Bridgeport, Conn. Firearms. 336,058–60; June 23; Serial Nos. 375,404–6; published Apr. 14, 1936. Class 9.

Reverend King. (See Smith, Walter H.)

Richardson Silk Co., Chicago, Ill., assignor to Belding Heminway Company, Putnam, Conn., and New York, N. Y. Cotton threads, mercerized and unmercerized. 111,673; renewed June 25, 1936.

Rock-Ola Manufacturing Corporation, Chicago, Ill. Coin-controlled amusement apparatus. 336,013; June 23; Serial Nos. 375,466–7; published Apr. 14, 1936. Class 22.

Rock-Ola Manufacturing Corporation, Chicago, Ill. Coin-controlled amusement apparatus. 336,120; June 23; Serial No. 375,473; published Apr. 14, 1936. Class 22.

Rock-Ola Manufacturing Corporation, Chicago, Ill. Coin-controlled amusement apparatus. 336,121–3; June 23; Serial Nos. 375,469–71; published Apr. 14, 1936. Class 22.

Rock-Ola Manufacturing Corporation, Chicago, Ill. Amusement apparatus. 336,124; June 23; Serial No. 375,467; published Apr. 14, 1936. Class 22.

Rosatto-Berry-Street Co., The, Philadelphia, Pa. Cushions on billiard and pocket-billiard tables. 112,558; renewed Sept. 12, 1936.

Rum Company, Ltd., Basel, Switzerland. Rum. 336,082; June 23; Serial No. 354,807; published Sept. 25, 1934. Class 49.

Ry-Lock Company, Ltd., San Leandro, Calif. Venetian blinds. 336,048; June 23; Serial No. 375,097; published Apr. 14, 1936. Class 32.

Saltex Looms, Inc., The. (See Salt's Textile Manufacturing Company, The, assignor.)

Salt's Textile Manufacturing Company, The, Bridgeport, Conn., and New York, N. Y., assignor to The Saltex Looms, Inc., New York, N. Y. Knit fabric. 110,554; renewed May 30, 1936.

Schuylkill Valley Grocery Co., Inc., doing business as Socket Davis Company, Norristown, N. Y. Canned fruits and vegetables. 335,989; June 23; Serial No. 372,435; published Apr. 14, 1936. Class 46.

Sea Board Supply Company, Philadelphia, Pa. Feed for cattle, hogs, and poultry. 336,104; June 23; Serial No. 374,095; published Apr. 14, 1936. Class 46.

Sea Island Thread Mfg. Corp., New York, N. Y. Mercerized thread and spool cotton. 336,139; June 23. Class 43.

Sears, Roebuck and Co., Chicago, Ill. Card tables. 336,047; June 23; Serial No. 375,227; published Apr. 14, 1936. Class 32.

Sheffield Company, The, doing business as K-T-S Products, New York, N. Y., and New London, Conn. Shaving cream. 336,140; June 23. Class 4.

Sherry Wine & Spirits Company, Incorporated, New York, N. Y. Whiskey and gin. 336,141; June 23. Class 49.

Sherwin-Williams Co., The, Cleveland, Ohio. Paints, paint enamels, lacquers, etc. 336,077; June 23; Serial No. 374,572; published Apr. 14, 1936. Class 16.

Shoe Press Corporation, Philadelphia, Pa. Bottom finish preparation for application to soles of shoes and solvent for cleaning and preparing shoe bottoms for re-soling. 335,992; June 23; Serial No. 372,859; published Apr. 7, 1936. Class 4.

Shulton, Inc., New York, N. Y. Saponaceous compounds, shaving cream, outfit packages, etc. 336,071; June 23; Serial No. 374,986; published Apr. 7, 1936. Class 4.

Sigel, Harry, Dallas, Tex. Straight and blended whiskies. 336,112–3; June 23; Serial Nos. 375,671–2; published Apr. 14, 1936. Class 49.

Simmons Manufacturing Company, The, Cleveland, Ohio. Hydraulic lifting jacks. 335,994; June 23; Serial No. 373,978; published Apr. 14, 1936. Class 23.

Simpson, Edward, & Co. (Distillers) Limited, London, England. Whisky. 336,081; June 23; Serial No. 358,588; published Apr. 14, 1936. Class 49.

Sleepsafe Industries, Inc., New York, N. Y. Mattresses, box springs, mattress pads, pillows. 336,028; June 23; Serial No. 369,462; published Feb. 11, 1936. Class 32.

Smith, Walter H., doing business as Kil-rhu-ma-tiz Co., and Reverend King, New York, N. Y. Medicine. 336,062; June 23; Serial No. 374,167; published Apr. 14, 1936. Class 6.

Societe Anonyme Myrurgia, Barcelona, Spain. Perfumes, toilet water, face powder, etc. 336,092; June 23; Serial No. 374,859; published Apr. 14, 1936. Class 6.

Societe Anonyme Myrurgia, Barcelona, Spain. Soaps. 336,093; June 23; Serial No. 374,860; published Apr. 7, 1936. Class 4.

Socket Davis Company. (See Schuylkill Valley Grocery Co., Inc.)

Socony-Vaccum Oil Cimpany, Incorporated, New York, N. Y. Automobile tires. 336,101; June 23; Serial No. 374,343; published Apr. 14, 1936. Class 35.

Solar Manufacturing Corporation, New York, N. Y. Radio interference eliminator devices. 336,031; June 23; Serial No. 365,273; published Apr. 14, 1936. Class 21.

Sommer, Adolph, Cambridge, assignor to The Stamford Rubber Supply Company, Stamford, Conn. Belt-dressing and waterproofing for leather. 110,055–6; renewed May 2, 1936.

Spier, Sidney, New York, N. Y. Trading stamps. 335,981; June 23; Serial No. 372,115; published Apr. 14, 1936. Class 38.

Stamford Rubber Supply Company, The. (See Sommer, Adolph, assignor.)

Standard Brands Incorporated. (See Chase & Sanborn, assignor.)

Star Company, to King Features Syndicate, Inc., New York, N. Y., successor. Newspaper-section. 110,612; renewed June 6, 1936.

Star Company, to King Features Syndicate, Inc., New York, N. Y., successor. Newspaper-section. 112,946–7; renewed Oct. 3, 1936.

Stark Bro's Nurseries & Orchards Co., Louisiana, Mo. Fruit-trees. 111,302; renewed July 4, 1936.

Stone Straw Corporation, Washington, D. C. Drinking straws. 336,142; June 23. Class 50.

Taylor Bedding Mfg. Co., Taylor, Tex. Mattresses and pillows. 336,068; June 23; Serial No. 374,913; published Apr. 14, 1936. Class 32.

Texas Company, The, Houston and Port Arthur, Tex., and New York, assignor to The Texas Company, New York, N. Y. Kerosene-oil. 111,769; renewed Aug. 1, 1936.

Twentieth Century-Fox Film Corporation, New York, N. Y. Motion picture films. 336,090; June 23; Serial No. 374,346; published Apr. 14, 1936. Class 26.

Union Fish Company, San Francisco, Calif. Dried fish. 111,513; renewed July 18, 1936.

United States Finishing Company, The, Providence, R. I. Textile fabrics. 336,075; June 23; Serial No. 374,500; published Apr. 14, 1936. Class 42.

United States News Publishing Corporation, The, Washington, D. C. Section of periodical publications. 336,072; June 23; Serial No. 374,991; published Apr. 14, 1936. Class 38.

Universal Health Foundation. (See Gailey, Florence L.)

Walbaum, Eleanor, Chicago, Ill. Magazine or newspaper column. 336,040; June 23; Serial No. 375,032; published Apr. 14, 1936. Class 38.

Weston Electrical Instrument Corporation, Newark, N. J. Thermometers. 336,022; June 23; Serial No. 374,109; published Apr. 14, 1936. Class 26.

We the People, Inc., Harrisburg, Pa. Magazine published semi-monthly. 336,073; June 23; Serial No. 374,992; published Apr. 7, 1936. Class 38.

Wilson, Mildred H., doing business as Wilson Rubber Co., Allston, Mass. Prophylactic rubber goods. 336,065; June 23; Serial No. 374,737; published Apr. 14, 1936. Class 44.

Young, A. A., Laboratories, Inc., Chicago, Ill. Concentrated food derived from cow's milk. 336,009; June 23; Serial No. 373,153; published Apr. 14, 1936. Class 46.

LIST OF REGISTRANTS OF LABELS

Ace Manufacturing Company, Chicago, Ill. Ace Milk of Magnesia Tooth Paste. For Tooth Paste. 47,574; June 23.

Alba, Joseph, doing business as La Pulita Chemical Company, Scranton, Pa. Almondine. For Skin Lotion. 47,575; June 23.

American Butter Company, Kansas City, Mo. Green Buttermilk. For a Supplemental Food for Animals and Poultry. 47,576; June 23.

American Distilling Company, The, Baltimore, Md., and Pekin, Ill. Old American Brand. For Straight Bourbon Whiskey. 47,577–8; June 23.

American Distilling Company, The, Baltimore, Md., and Pekin, Ill. Old American Brand Special. For Blended Whiskey. 47,579–80; June 23.

Babbitt, B. T., Inc., New York, N. Y. An Amazing Cleaner That Dissolves Grease and Thus Ends Needless Scouring and Scrubbing. For a Cleaning Preparation. 47,581; June 23.

Barnes, Jud S., doing business as Progress Products Company, Vicksburg, Mich. Progress. For Powder for Cleaning and Softening Water. 47,582; June 23.

Bear Brand Hosiery Co., Kankakee, and Chicago, Ill. Bear Brand Hosiery. 47,583; June 23.

Bird Floor Covering Sales Corp., East Walpole, Mass. Bird Neponset Rug—Bird Rugs Armored with Bakelite. For Rugs. 47,584; June 23.

Borden Company, The, New York, N. Y. "Chateau Canabec" Canada's Cheese Dessert. For Cheese Food Blend of Genuine Roquefort and Cream Cheese with a Small Percentage of Mineral Solids. 47,585; June 23.

Bussmann Manufacturing Company, St. Louis, Mo. Buss Auto Fuses. For Electrical Fuses. 47,586; June 23.

Carter's Ink Company, The, doing business as R & C Art Co., Cambridge, Mass. Sunflower. For Carbon Paper. 47,587; June 23.

Certified Wine Institute of America, Inc., Denver, Colo. Certified Wine Institue of America. For Certified Wines. 47,588; June 23.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Distinctive Footwear—Vanity Maid. For Footwear. 47,589; June 23.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. The Pioneer Shoe. For Shoes. 47,590; June 23.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Rest-O-Arch. For Shoes. 47,591; June 23.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Fox-O-Pedic Health Shoe. For Shoes. 47,592; June 23.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Roberta Shoes. For Shoes. 47,593; June 23.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Sand-Witch Sandals. For Sandals. 47,594; June 23.

Claff, M. B., & Sons, Inc., Randolph and Brockton, Mass. Power Shoe. For Shoes. 47,595; June 23.

Clayton, A. C., Printing Co., St. Louis, Mo. Beautiful Shoes The J. L. Hudson Company, Detroit. For Shoes. 47,596; June 23.

Clayton, A. C., Printing Co., St. Louis, Mo. The Higbee Co., Cleveland Beautiful Shoes. For Shoes. 47,597; June 23.

Climalene Co., The, Canton, Ohio. Climalene. For a Cleanser, Water Softener, and Soap Saver. 47,598; June 23.

Crofter Hand-Woven Harris Tweed Co. Ltd., The, Stornoway, Scotland. Crofian Tweed. For Tweed. 47,599; June 23.

Dri-Brite, Inc., St. Louis, Mo. Dri-Brite's Once Over Auto Polish. For Automobile Polish. 47,600; June 23.

Duff, P., & Sons, Inc., Pittsburgh, Pa. Duff's Devil's Food Mix. For Devil's Food Cake Mixture. 47,601; June 23.

Fields Food Products Co. (See Schoenfield, Milton H.)

Fleischmann Distilling Corporation, The, New York, N. Y. Fleischmann's. For Sloe Gin. 47,602; June 23.

Florida Citrus Canners Cooperative, Lake Wales, Fla. Sunny Mist Florida Natural—(Box End). For Canned Grapefruit Juice. 47,603; June 23.

Florida Citrus Cooperative, Lake Wales, Fla. Scald-Sweet (Box End). For Grapefruit. 47,604; June 23.

Food Specialties Company. (See Schulman, Louis.)

Gettelman, A., Brewing Co., Milwaukee, Wis. Five O'Clock Club. For Beer. 47,605; June 23.

Girard, W. J., doing business as Girard's French Restaurants, San Francisco, Calif. Girard's Famous French Salad Dressing. For Salad Dressing. 47,606; June 23.

Great Atlantic & Pacific Tea Company, The, New York, N. Y. A & P Bread. For Bread. 47,607; June 23.

Great Lakes Laboratories, Waukegan, Ill. Dr. Walter's Latherless-Brushless Facial Shave. For a Latherless and Brushless Shaving Cream. 47,608; June 23.

Griesedieck Western Brewery Company, Belleville, Ill. Stag Beer. For Lager Beer. 47,609; June 23.

Gulf Coast Celery Company, Inc., Sarasota, Fla. Pride. For Celery. 47,610; June 23.

Haslam, Fenton J., Cambridge, Mass. Ointment Blandoxide Haslam. For an Ointment. 47,611; June 23.

Hermann Chemical Co., St. Paul, Minn. Once Only Mothproof. For a Liquid Preparation for Protecting Clothing, Blankets, Carpets, Rugs, Upholstered Furniture, Etc. from Moths. 47,612; June 23.

Hollywood Candy Co. (See Martoccio, F. A., Company.)

Kasko Distillers Products Corp., Philadelphia, Pa. Country Gentleman Golden Corn Whiskey. For Corn Whiskey. 47,613; June 23.

King Candy Company, Fort Worth, Tex. King's Texas Centennial. For Candies. 47,614; June 23.

Knight Packing Company, Portland, Oreg. Knight's. For Sweet Pickles. 47,615; June 23.

La Pulita Chemical Company. (See Alba, Joseph.)

MacFarlane, D. L., Oakland, Calif. You Will Like My Stuff . . . . . Awful Fresh MacFarlane. For Chocolates, Candy and Nuts. 47,616; June 23.

Markwell Mfg. Co., Inc., New York, N. Y. Markwell's 'C T Q'. For a Type Cleaner. 47,617; June 23.

Martoccio, F. A., Company, doing business as Hollywood Candy Co., Minneapolis, Minn. Smooth Sailin. For Candy Bars. 47,618; June 23.

McGee, Bessie A., doing business as McGee's. Kansas City, Mo. McGee's Surplus Lipstick Absorbex. For Tissue for the Removal of Surplus Lipstick from the Lips. 47,619; June 23.
McManus, Charles E., doing business as Spring Hills Farm, Cockeysville, Md. Vita-Gold. For Eggs. 47,620; June 23.
Mead Johnson & Company, Evansville, Ind. Cod Liver Oil with Viosterol. For Cod Liver Oil with Viosterol. 47,621; June 23.
Merritt, C. A., Co., Boston, Mass. Merlite. For a Furniture and Wood Polish. 47,622; June 23.
Montgomery, H. A., Company, Detroit, Mich. Monitol "V". For First-Aid Dressing for Animals. 47,623; June 23.
National Retailer-Owned Grocers, Inc., Chicago, Ill. Energy. For Flour. 47,624; June 23.
Neuweiler's, Louis F., Sons, Allentown, Pa. Neuweiler's Cream Ale. For Ale. 47,625; June 23.
Neuweiler's, Louis F., Sons, Allentown, Pa. Neuweiler's Pilsener Beer. For Beer. 47,626; June 23.
Neva Wet Bottling Company, Inc., New York, N. Y. Neva Wet. For a Preparation for Rendering Fabrics and Garments Water Repellent, Spot and Stain Resistant. 47,627; June 23.
New York Toy & Game Co. Inc., New York, N. Y. G-Men Secret Communication Set. For Secret Communication Sets. 47,628; June 23.
New York Toy & Game Co. Inc., New York, N. Y. G-Men Laboratory Outfit. For a Combination of Finger Print and Secret Communication Sets. 47,629; June 23.
New York Toy & Game Co. Inc., New York, N. Y. G-Men Training Outfit. For Target Sets. 47,630; June 23.
Norman, Merle, Ocean Park, Calif. Merle Norman. For Sulphur. 47,631; June 23.
Oertel Company Incorporated, The, Louisville, Ky. Oertel's Cream Ale. For Ale. 47,632; June 23.
Pacific Coast Shingle Inspection Bureau, Inc., Seattle, Wash. Certified No. 1 Grade. For Red Cedar Shingles. 47,633; June 23.
Pacific Coast Shingle Inspection Bureau, Inc., Seattle, Wash. Certified No. 2 Grade. For Red Cedar Shingles. 47,634; June 23.
Paint-Point Products Co, Inc., Brooklyn, N. Y. Sanitary Ever-Wear Waterproof Semi-Gloss Paint. For Waterproof Semi-Gloss Paint. 47,635; June 23.
Paterson Boxes, Inc., The, Paterson, N. J. Sofisticate. For Grenadine. 47,636; June 23.
Pfeiffer Brewing Company, Detroit, Mich. Pfeiffer's Winter Beer. For Beer. 47,637; June 23.
Pickwick Cosmetic Corp., New York, N. Y. House of Pickwick. For Talcum Powder. 47,638; June 23.
Powers, Walter P., Chicago, Ill. Bon Vivant. For Port Wine. 47,639; June 23.
Powers, Walter P., Chicago, Ill. Anderson Club. For Straight Whisky. 47,640; June 23.
Powers, Walter P., Chicago, Ill. Marquette. For Blended Rye Whiskey. 47,641; June 23.
Powers, Walter P., Chicago, Ill. Ben Franklin. For Blended Whiskey. 47,642; June 23.
Powers, Walter P., Chicago, Ill. Westmoreland. For Bourbon Whiskey. 47,643; June 23.
Progress Products Company. (See Barnes, Jud S.)
R & C Art Co. (See Carter's Ink Company, The.)
Reliance Manufacturing Company, Chicago, Ill. Big Yank Initial Kit. For Swatches of Fabric Having Thermo-Plastic Adhesive Back and Letters Printed on the Face to be Cut Out as Initials. 47,644; June 23.
Retzlaff, Walter, doing business as St. James Pharmacy, Rockville Centre, Long Island, N. Y. St. James Bronchial Cough Balsam. For Bronchial Cough Balsam. 47,645; June 23.
Royal, Thomas M., & Co., Philadelphia, Pa. Coffee. For Coffee. 47,646–9; June 23.
St. James Pharmacy. (See Retzlaff, Walter.)
Saniwax Paper Co., Kalamazoo, Mich. Mother Goose. For Bread. 47,650; June 23.
Schoenfield, Milton H., doing business as Fields Food Products Co., Pasadena, Calif. Butt'r Like. For Imitation Flavor for Oleomargarine and Shortening. 47,651; June 23.
Schulman, Louis, doing business as Food Specialties Company, Cincinnati, Ohio. Lady Rose Brand. For Salad Dressing. 47,652; June 23.
Shawmut Mills, doing business as Shawmut Waxed Paper Co., Holliston, Mass. Big Boy Bread. For Bread. 47,653; June 23.
Smith Steam Bakery, Greenville, Pa. Sliced Home Made Bread. For Bread. 47,654; June 23.
Solarine Company, Baltimore, Md. Bovin. For Cattle and Dairy Spray. 47,655; June 23.
Southern Breweries, Inc., Norfolk, Va. Our Navy. For Beer. 47,656; June 23.
Spring Hills Farm. (See McManus, Charles E.)
Sutherland Paper Company, Kalamazoo, Mich. Schwen's Ice Cream No. 499 A. B. P. For Ice Cream. 47,657; June 23.
Sutherland Paper Company, Kalamazoo, Mich. Royal's Best Ice Cream, No. 445 A. B. P. For Ice Cream. 47,658; June 23.
Swisher, Jno. H., & Son, Inc., Jacksonville, Fla. Royal Gold. For Cigars. 47,659; June 23.
Tobacco By-Products & Chemical Corporation, Incorporated, Louisville, Ky. Detour 'Black Leaf 40' Nicotine Sulphate. For Nicotine Sulphate. 47,660; June 23.
Union Bag & Paper Corporation, New York, N. Y. Design 120. For Coffee. 47,661; June 23.
Union Bag & Paper Corporation, New York, N. Y. Design 118. For Coffee. 47,662; June 23.
Union Bag & Paper Corporation, New York, N. Y. Design 114. For Coffee. 47,663; June 23.
Union Bag & Paper Corporation, New York, N. Y. Design 122. For Coffee. 47,664; June 23.
Union Bag & Paper Corporation, New York, N. Y. Design 112. For Coffee. 47,665; June 23.
Union Oil Company of California, Los Angeles, Calif. Stop Spot. For Cleaning Fluid. 47,666; June 23.
Vick & Sons, Goulds, Fla. Aristocrat. For Potatoes. 47,667; June 23.
Whitefield Citrus Products Corporation, Bradenton, Fla. Sunseald. For Canned Grapefruit Juice. 47,668; June 23.
Wynne Oil Company, Philadelphia, Pa. Wynne Motor Oil. For Motor Oil. 47,669; June 23.
Wynne Oil Company, Philadelphia, Pa. Ronson 100% Pure Pennsylvania Motor Oil. For Motor Oil. 47,670; June 23.

LIST OF REGISTRANTS OF PRINTS

Cream of Wheat Corporation, The, Minneapolis, Minn. But There's No Make-Believe About the Hazards He Faces Now! For Wheat Breakfast Food. 15,734; June 23.
Hansen's, Chr., Laboratory, Inc., Little Falls, N. Y. Junket Mix for Ice Cream. For Preparation for Making Ice Cream in Refrigerator or Hand Freezer. 15,735; June 23.
Hills Bros., San Francisco, Calif. I Finally Got Wise. For Coffee. 15,736; June 23.
Hills Bros., San Francisco, Calif. Our Ideas Were Out of Date. For Coffee. 15,737–8; June 23.
Hills Bros., San Francisco, Calif. It Pays to Find Out. For Coffee. 15,739–40; June 23.
Hills Bros., San Francisco, Calif. Boy, I'm Glad That's Over. For Coffee. 15,741–2; June 23.
Hills Bros., San Francisco, Calif. I Am Telling Everybody. For Coffee. 15,743–4; June 23.
Hills Bros., San Francisco, Calif. Was My Face Red. For Coffee. 15,745; June 23.
Hills Bros., San Francisco, Calif. How Foolish I Was. For Coffee. 15,746; June 23.
Hills Bros., San Francisco, Calif. We Had Been Missing the Boat. For Coffee. 15,747–8; June 23.
Hills Bros., San Francisco, Calif. I Was Getting Desperate. For Coffee. 15,749–50; June 23.
Hills Bros., San Francisco, Calif. Was My Face Red. For Coffee. 15,751; June 23.
Hills Bros., San Francisco, Calif. How Foolish I Was. For Coffee. 15,752; June 23.
Hills Bros., San Francisco, Calif. So—I Up and Told Her. For Coffee. 15,753–4; June 23.
Hills Bros., San Francisco, Calif. I Finally Got Wise. For Coffee. 15,755; June 23.
Larrowe Milling Company, The, Detroit, Mich. Study These Charts and See Why It Pays to Feed Larro Dairy Feed. For Dairy Feed. 15,756; June 23.
Larrowe Milling Company, The, Detroit, Mich. They All Need Larro Egg Mash. For Poultry Feed. 15,757; June 23.
MacWilkins & Cole, Inc., Portland, Oreg. The Glass Bottle—The Tin Can. For Beer. 15,758; June 23.
MacWilkins & Cole, Inc., Portland, Oreg. The Bottle or the Can for Blitz-Weinhard Beer. For Beer. 15,759; June 23.
Millsite Steel & Wire Works. (See Wickman, Leora M.)
Rectified Products Corporation, The, Union City, N. J. Signal Seal Litmus Test. For Rye or Bourbon Whiskey. 15,760; June 23.
Wickman, Leora M., doing business as Millsite Steel & Wire Works, Howell, Mich. Keep-Em-Alive. For Fish Stringers. 15,761; June 23.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Fruit-trees. Stark Bro's Nurseries & Orchards Co. 111,302; renewed July 4, 1936.

CLASS 2

Containers and parts thereof. Paper Vessels Company. 111,269; renewed July 4, 1936.

CLASS 4

Belt-dressing and waterproofing for leather. A. Sommer. 110,055–6; renewed May 2, 1936.
Bottom finish preparation for application to soles of shoes and solvent for cleaning and preparing shoe bottoms for re-soling. Shoe Press Corporation. 335,992; June 23; Serial No. 372,859; published Apr. 7, 1936.
Cleaner, Wall paper. Absorene Manufacturing Company. 336,125; June 23.
Cleaners, liquid soaps, etc. Creco Company. 336,100; June 23; Serial No. 370,174; published pr. 7, 1936.
Cream, Shaving. Sheffield Company, The. 336,140; June 23.
Detergent material. Glitter Products, Inc. 336,076; June 23; Serial No. 374,557; published Apr. 7, 1936.
Preparation to be used as a fabric cleaner and for washing and cleaning surfaces and materials. Industrial Chemical Products Co. 336,027; June 23; Serial No. 369,533; published Apr. 7, 1936.
Saponaceous compounds, shaving cream, outfit packages, etc. Shulton, Inc. 336,071; June 23; Serial No. 374,886; published Apr. 7, 1936.
Shaving cream and soap. Continental Blade Corporation. 336,035; June 23; Serial No. 359,712; published Mar. 5, 1935.
Soaps. Societe Anonyme Myrurgia. 336,093; June 23; Serial No. 374,880; published Apr. 7, 1936.
Soaps, Toilet, and shaving. B. J. Johnson Soap Company. 113,591; renewed Oct. 24, 1936.
Soaps, toilet soaps, cleaning preparation, etc. P. P. Millhens. 336,005; June 23; Serial No. 373,458; published Apr. 7, 1936.

CLASS 5

Paste. Carter's Ink Company. 110,849; renewed June 13, 1936.

CLASS 6

Antiseptic ointment and antiseptic powder. Aseptinol Manufacturing Company. 112,622; renewed Sept. 19, 1936.
Boric acid, alum, borax, etc., Powdered. Burlington Drug Co. 336,095; June 23; Serial No. 374,877; published Apr. 14, 1936.
Creams, skin lotions, and toilet water, Facial. G. K. Karegeannes. 335,997; June 23; Serial No. 373,874; published Apr. 14, 1936.
Insect-powder. Botanical Manufacturing Co. 108,079; renewed Jan. 18, 1936.
Laxative antacid preparation. BiSoDol Company. 336,114; June 23; Serial No. 375,537; published Apr. 14, 1936.
Medicinal preparation. A. F. Doddy. 336,064; June 23; Serial No. 374,711; published Apr. 14, 1936.
Medicine. W. H. Smith. 336,062; June 23; Serial No. 374,167; published Apr. 14, 1936.
Ointment. W. E. Andrews. 336,049; June 23; Serial No. 375,310; published Apr. 14, 1936.
Perfumes, toilet water, face powder, etc. Societe Anonyme Myrurgia. 336,092; June 23; Serial No. 374,859; published Apr. 14, 1936.
Preparation for cancer, diabetes, etc. W. F. Koch. 336,017–8; June 23; Serial Nos. 375,441–2; published Apr. 14, 1936.
Preparation for chapped, cracked, or dry lips. E. A. Kirstein. 335,998; June 23; Serial No. 373,792; published Apr. 14, 1936.
Preparation for the treatment and prevention of mouth infections. T. J. Comer. 336,046; June 23; Serial No. 375,198; published Apr. 14, 1936.
Shampoo. Dermalab, Inc. 336,037; June 23; Serial No. 375,006; published Apr. 14, 1936.
Surgical dressing. Daggett & Miller Company. 110,313; renewed May 16, 1936.

CLASS 9

Firearms. Remington Arms Company. 336,054–6; June 23; Serial Nos. 375,401–3; published Apr. 14, 1936.
Firearms. Remington Arms Company. 336,058–60; June 23; Serial Nos. 375,404–6; published Apr. 14, 1936.

CLASS 12

Cement, Portland. Hawkeye Portland Cement Company. 113,381; renewed Oct. 17, 1936.
Roofing and building papers, Asphalt composition. Globe Roofing Products Co. Inc. 336,079; June 23; Serial No. 374,586; published Apr. 7, 1936.
Roofing, Prepared. B. F. Nelson Manufacturing Company. 113,119; renewed Oct. 10, 1936.

CLASS 13

Hardware and plumbing and steamfitting supplies. Bridgeport Brass Company. 113,555; renewed Oct. 24, 1936.
Staples, Metal. Markwell Manufacturing Co. Inc. 336,000; June 23; Serial No. 373,645; published Apr. 14, 1936.

CLASS 14

Ingots formed of copper, Metallic. Duquesne Reduction Company. 109,892; renewed Apr. 25, 1936.

CLASS 15

Greases, Lubricating. Fiske Brothers Refining Co. 113,574; renewed Oct. 24, 1936.
Kerosene-oil. Texas Company. 111,769; renewed Aug. 1, 1936.

CLASS 16

Paint and concentrates used in the manufacture thereof. C. Barrell. 336,051; June 23; Serial No. 375,315; published Apr. 14, 1936.
Paint for the backs of mirrors, Metallic protecting. Emerson Glass Corporation. 336,118; June 23; Serial No. 375,500; published Apr. 14, 1936.
Paints, paint enamels, lacquers, etc. Sherwin-Williams Co. 336,077; June 23; Serial No. 374,572; published Apr. 14, 1936.
Polish, Wax. E. C. Bishop. 336,008; June 23; Serial No. 373,243; published Apr. 14, 1936.
Preparation for polishing floors, etc. Floor Maintenance Bureau, Inc. 336,097; June 23; Serial No. 371,147; published Apr. 14, 1936.
Zinc sulphide in powder form used as a paint base. Hercules Powder Company. 335,991; June 23; Serial No. 372,832; published Apr. 14, 1936.

CLASS 17

Cigars, cheroots, and little cigars. C. Kaiser. 111,880; renewed Aug. 8, 1936.

CLASS 19

Bicycles. Emblem Manufacturing Company. 336,085; June 23; Serial No. 352,463; published Sept. 24, 1935.
Signals and instrument panels for automobiles, Reflecting safety. General Motors Corporation. 335,987; June 23; Serial No. 372,412; published Apr. 14, 1936.

CLASS 21

Electric carpet-sweepers, flashlights, radio-dry-batteries, etc. Hibbard, Spencer, Bartlett & Company. 335,993; June 23; Serial No. 372,970; published Apr. 14, 1936.
Electric water heaters, electric heating boilers, and parts thereof, electric cooking apparatus, etc. Junkers & Co. Gesellschaft mit beschränkter Haftung. 336,134; June 23.
Electrical insulating compositions. B. F. Goodrich Company. 336,042; June 23; Serial No. 375,082; published Apr. 14, 1936.
Humidifiers, air-moisteners, air-conditioners, etc. P. E. Edelman. 336,096; June 23; Serial No. 371,307; published Apr. 14, 1936.
Knobs, cleats, tubes, etc., all for electrical use. Illinois Electric Porcelain Company. 335,999; June 23; Serial No. 373,735; published Apr. 14, 1936.
Lighters, Electric cigarette. M. N. Leibowitz. 335,995; June 23; Serial No. 373,964; published Apr. 14, 1936.
Radio interference eliminator devices. Solar Manufacturing Corporation. 336,031; June 23; Serial No. 365,273; published Apr. 14, 1936.
Spark plugs. Defiance Spark Plugs, Inc. 335,986; June 23; Serial No. 372,399; published Apr. 14, 1936.

CLASS 22

Amusement apparatus. Rock-Ola Manufacturing Corporation. 336,124; June 23; Serial No. 375,467; published Apr. 14, 1936.
Amusement apparatus, Coin controlled. Rock-Ola Manufacturing Corporation. 336,013; June 23; Serial No. 375,466; published Apr. 14, 1936.
Amusement apparatus, Coin-controlled. Rock-Ola Manufacturing Corporation. 336,120; June 23; Serial No. 375,473; published Apr. 14, 1936.
Amusement apparatus, Coin-controlled. Rock-Ola Manufacturing Corporation. 336,121–3; June 23; Serial No. 375,469–71; published Apr. 14, 1936.
Amusement devices and marksmanship practicing devices, Coin controlled. Phoebus Corporation. 335,990; June 23; Serial No. 372,789; published Apr. 14, 1936.
Cushions on billiard and pocket-billiard tables. Rosatto-Barry-Street Co. 112,558; renewed Sept. 12, 1936.
Game, Board. Parker Brothers, Inc. 336,014; June 23; Serial No. 375,462; published Apr. 14, 1936.
Game, Board. Parker Brothers, Inc. 336,015; June 23; Serial No. 375,460; published Apr. 14, 1936.
Games, Board. Milton Bradley Company. 336,119; June 23; Serial No. 375,492; published Apr. 14, 1936.

Golf balls and golf clubs. P. Goldsmith Sons Company. 336,019; June 23; Serial No. 375,436; published Apr. 14, 1936.
Golf clubs. Crawford McGregor and Canby Company. 336,089; June 23; Serial No. 374,880; published Apr. 14, 1936.
Skates and skate outfits, Ice. Nestor Johnson Manufacturing Company. 336,016; June 23; Serial No. 375,457; published Apr. 14, 1936.

CLASS 23

Cutlery. Old File Cutlery Company. 112,802; renewed Sept. 26, 1936.
Handles for cooking and serving dishes, Detachable and interchangeable. Corning Glass Works. 336,044; June 23; Serial No. 375,131; published Apr. 14, 1936.
Jacks, Hydraulic lifting. Simmons Manufacturing Company. 335,994; June 23; Serial No. 373,978; published Apr. 14, 1936.
Machines for slicing dough. Do-Slicer Company. 336,132; June 23.
Plows and plowshares. S. A. Loose & Son. 111,527; renewed July 25, 1936.
Razors and razor blades. Blo-Klene Antiseptic Speed Razor, Inc. 336,128; June 23.
Razors and razor blades. Continental Blade Corporation. 336,130; June 23.

CLASS 24

Irons, Gas. New York Pressing Iron Co. 111,541; renewed July 25, 1936.
Washboards. National Washboard Company. 111,755; renewed Aug. 1, 1936.

CLASS 26

Films, Motion picture. Twentieth Century-Fox Film Corporation. 336,090; June 23; Serial No. 374,346; published Apr. 14, 1936.
Photographic papers, plates, films, etc., Sensitized. Gevaert Photo-Producten Naamlooze Vennootschap (Photo-Produits Gevaert Société Anonyme). 336,041; June 23; Serial No. 375,046; published Apr. 14, 1936.
Regulating or adjusting accessory for liquid flow meters and for liquid flow meters embodying the same, Accuracy. National Meter Company. 336,025; June 23; Serial No. 374,472; published Apr. 14, 1936.
Regulators, pressure testing cylinders, pressure gauges, etc., Oxygen and acetylene. Imperial Brass Manufacturing Company. 336,012; June 23; Serial No. 373,040; published Apr. 14, 1936.
Thermometers. Weston Electrical Instrument Corporation. 336,022; June 23; Serial No. 374,109; published Apr. 14, 1936.

CLASS 27

Watch cases, dials and movements thereof. Nathan Holtzman Corp. 336,033; June 23; Serial No. 362,229; published Apr. 23, 1935.

CLASS 28

Jewelry for personal wear. Harry & Ben Frackman, Inc. 336,084; June 23; Serial No. 354,199; published Apr. 14, 1936.
Rings, Finger. J. Freudenheim & Sons. 336,021; June 23; Serial No. 374,392; published Apr. 14, 1936.
Rings, Ornamental pins, charms, etc., Finger. L. G. Balfour Company. 336,057; June 23; Serial No. 375,366; published Apr. 14, 1936.
Rings, ring mountings, flat and hollow silver table ware, etc., Finger. Frank Herschede Company. 336,086; June 23; Serial No. 348,384; published Apr. 14, 1936.
Tableware and flatware. Oneida Community, Limited. 113,624–6; renewed Oct. 24, 1936.

CLASS 30

Dinnerware, Semi-porcelain. R. E. Henderson. 336,133; June 23.

CLASS 32

Blinds, Venetian. Ry-Lock Company. 336,043; June 23; Serial No. 375,097; published Apr. 14, 1936.
Mattresses. F. G. Hodges Bedding Co. 336,048; June 23; Serial No. 375,246; published Apr. 14, 1936.
Mattresses and pillows. Taylor Bedding Mfg. Co. 336,068; June 23; Serial No. 374,913; published Apr. 14, 1936.
Mattresses, box springs, mattress pads, pillows. Sleepsafe Industries, Inc. 336,028; June 23; Serial No. 369,462; published Feb. 11, 1936.
Pads, box springs, and spring construction units for beds, etc., Quilted. Mobile Mattress Company. 336,088; June 23; Serial No. 370,059; published Apr. 14, 1936.
Tables, Card. Sears, Roebuck and Co. 336,047; June 23; Serial No. 375,227; published Apr. 14, 1936.

CLASS 33

Glass tumblers and glass stemware. Federal Glass Company. 336,004; June 23; Serial No. 373,494; published Apr. 14, 1936.

CLASS 34

Heating, lighting, and ventilating apparatus. American District Steam Company. 111,155; renewed July 4, 1936.
Shades, Lamp. Celluloid Corporation. 336,003; June 23; Serial No. 373,670; published Apr. 14, 1936.

CLASS 35

Packing, Steam, water, gas, etc. Crandall Packing Company. 336,030; June 23; Serial No. 368,510; published Apr. 14, 1936.
Tires, Automobile. Socony-Vacuum Oil Company. 336,101; June 23; Serial No. 374,343; published Apr. 14, 1936.
Tires, Pneumatic. General Tire & Rubber Company. 336,032; June 23; Serial No. 362,415; published Apr. 14, 1936.

CLASS 36

Accordions. Gretsch & Brenner, Inc. 336,066; June 23; Serial No. 374,749; published Apr. 14, 1936.
Reeds for musical wind instruments. M. Maccaferri. 335,980; June 23; Serial No. 364,549; published Apr. 14, 1936.

CLASS 37

Paper and stationery. New England Library Bindery Company. 113,120; renewed Oct. 10, 1936.
Paper-board for making shoe patterns and the like. C. B. Hewitt & Brothers. 113,586; renewed Oct. 24, 1936.
Tablets and note-books, Paper. Pratt Paper Company. 113,135; renewed Oct. 10, 1936.

CLASS 38

Catalogues and booklets. Krider Nurseries Incorporated. 336,039; June 23; Serial No. 375,016; published Apr. 14, 1936.
Magazine. We the People, Inc. 336,073; June 23; Serial No. 374,992; published Apr. 7, 1936.
Magazine or newspaper column. E. Walbaum. 336,040; June 23; Serial No. 375,032; published Apr. 14, 1936.
Newspaper column. North American Newspaper Alliance, Inc. 336,091; June 23; Serial No. 374,377; published Apr. 14, 1936.
Newspaper section. American Newspapers, Inc. 336,023; June 23; Serial No. 374,393; published Apr. 14, 1936.
Newspaper-section. Star Company. 110,612; renewed June 6, 1936.
Newspaper-section. Star Company. 112,946-7; renewed Oct. 3, 1936.
Photographs. Hogle & Taylor Company. 335,983; June 23; Serial No. 372,246; published Apr. 7, 1936.
Photographs. Hogle & Taylor Company. 335,984–5; June 23; Serial Nos. 372,366–7; published Apr. 7, 1936.
Section of periodical publications. United States News Publishing Corporation. 336,072; June 23; Serial No. 374,991; published Apr. 14, 1936.
Section of a printed publication. Lane Publishing Co. 336,070; June 23; Serial No. 374,929; published Apr. 14, 1936.
Sheet music. G. E. Peterson. 335,982; June 23; Serial No. 372,225; published Apr. 7, 1936.
Stamps, Trading. S. Spier. 335,981; June 23; Serial No. 372,115; published Apr. 14, 1936.
Title of a monthly publication. Farmers' and Manufacturers Beet Sugar Association. 336,069; June 23; Serial No. 374,925; published Apr. 14, 1936.

CLASS 39

Coats, Fur. Nigbor Fur Coat Co. Inc. 336,137; June 23.
Coats, vests, and pants, Men's and boys'. H. Borenstein & Sons. 336,129; June 23.
Gloves. Fownes Brothers & Co. 110,095; renewed May 2, 1936.
Hosiery. Cooper, Wells & Company. 336,131; June 23.
Pajamas, slips, chemises, etc. Kewpie Lingerie Inc. 336,135–6; June 23.
Slips and night gowns. W. Babes. 336,078; June 23; Serial No. 374,576; published Apr. 7, 1936.
Undergarments, Women's. Joseph Adelson & Sons. 336,126; June 23.
Uniforms, Maids' and nurses' utility. W. Kotkes & Son. 336,103; June 23; Serial No. 374,314; published Apr. 7, 1936.

CLASS 42

Cotton piece goods. Bradford Dyeing Association (U. S. A.) 113,553; renewed Oct. 24, 1936.
Cotton, woolen, and mixed piece goods. Manville Company. 113,406; renewed Oct. 17, 1936.
Fabric, Knit. Salt's Textile Manufacturing Company. 110,554; renewed May 30, 1936.
Fabrics, Knitted, netted and textile. American Glanzstoff Corporation. 336,127; June 23.
Foulard cloth of silk. Jacobson-Son, Inc. 336,086; June 23; Serial No. 359,038; published Mar. 5, 1935.
Piece goods. Bianchini, Férier. 112,363; renewed Sept. 5, 1936.
Piece goods, Woven, knitted and textile. A. L. Fischer. 336,029; June 23; Serial No. 369,059; published Apr. 14, 1936.
Textile fabrics. United States Finishing Company. 336,075; June 23; Serial No. 374,500; published Apr. 14, 1936.
Textile fabrics of all type. A. Margolin & Bros., Inc. 336,011; June 23; Serial No. 373,455; published Apr. 14, 1936.

Veils. Farrington & Evans, Inc. 336,001; June 23; Serial No. 375,725; published Apr. 14, 1936.

CLASS 43

Embroidery-silks. M. Heminway & Sons Silk Co. 111,728; renewed Aug. 1, 1936.
Thread and spool cotton, Mercerized. Sea Island Thread Mfg. Corp. 336,139; June 23.
Threads, mercerized and unmercerized, Cotton. Richardson Silk Co. 111,673; renewed July 25, 1936.
Threads, Textile. Belding Bros. & Co. 109,505; renewed Apr. 11, 1936.

CLASS 44

Prophylactic rubber goods. M. H. Wilson. 336,065; June 23; Serial No. 374,737; published Apr. 14, 1936.

CLASS 45

Beverage powder. General Desserts Corporation. 336,117; June 23; Serial No. 375,506; published Apr. 14, 1936.

CLASS 46

Candies. Marshall Field & Company. 336,050; June 23; Serial No. 375,312; published Apr. 14, 1936.
Candies, Packed chocolate. H. H. Cazes. 336,007; June 23; Serial No. 373,280; published Apr. 14, 1936.
Candy. Gold Brand Confectionery, Inc. 336,034; June 23; Serial No. 361,883; published June 4, 1935.
Canned fruits. Griffith-Durney Company. 111,938–9; renewed Aug. 15, 1936.
Canned fruits and vegetables. Schuylkill Valley Grocery Co. 335,989; June 23; Serial No. 372,435; published Apr. 14, 1936.
Canned salmon. Wm. W. McBride. 336,067; June 23; Serial No. 374,842; published Apr. 14, 1936.
Canned salmon. Puget Sound Packing Co. 110,776; renewed June 13, 1936.
Coffee. M. J. Brandenstein & Co. 110,880; renewed June 13, 1936.
Coffee. Chase & Sanborn. 113,227; renewed Oct. 10, 1936.
Compound for producing a beverage to be used as a coffee substitute. F. L. Galley. 336,002; June 23; Serial No. 373,684; published Apr. 14, 1936.
Confections. C. R. Cook. 336,087; June 23; Serial No. 371,841; published Apr. 14, 1936.
Feed and dog food, Poultry, rabbit and bird. L. A. Federer. 336,098; June 23; Serial No. 370,463; published Apr. 14, 1936.
Feed for cattle, hogs, and poultry. Sea Board Supply Company. 336,104; June 23; Serial No. 374,095; published Apr. 14, 1936.
Fish, Dried. Union Fish Company. 111,513; renewed July 18, 1936.
Flour, Wheat. Abilene Flour Mills Co. 113,216; renewed Oct. 10, 1936.
Flour, Wheat. Abilene Flour Mills Co. 113,537; renewed Oct. 24, 1936.
Food, Concentrated. Harmony Health Foods Co. 336,006; June 23; Serial No. 373,300; published Apr. 14, 1936.
Food derived from cow's milk, Concentrated. A. A. Young Laboratories, Inc. 336,009; June 23; Serial No. 373,153; published Apr. 14, 1936.
Food, Infant's. Mead Johnson & Company. 336,024; June 23; Serial No. 374,420; published Apr. 14, 1936.
Foods. B. Manischewitz Company. 113,272; renewed Oct. 10, 1936.
Fruits and fresh fruits and vegetables, Citrus. Chase & Company. 109,820; renewed Apr. 18, 1936.
Icing, Prepared cake. Eas-E-Ice Manufacturing Co. 335,996; June 23; Serial No. 373,955; published Apr. 14, 1936.
Milk and cream, buttermilk and chocolate milk, Fresh. M. W. Powell. 336,026; June 23; Serial No. 374,479; published Apr. 14, 1936.
Nuts. L. Demartini Co. 336,061; June 23; Serial No. 374,115; published Apr. 14, 1936.
Nuts. L. Demartini Co. 336,074; June 23; Serial No. 374,114; published Apr. 14, 1936.
Oleomargarin. Morris & Company. 113,114; renewed Oct. 10, 1936.
Rice. M. J. Brandenstein & Co. 110,878; renewed June 13, 1936.
Salt. Atlantic Salt Company. 336,094; June 23; Serial No. 374,875; published Apr. 14, 1936.
Sugar. National Sugar Refining Company of New Jersey. 336,038; June 23; Serial No. 375,023; published Apr. 14, 1936.
Syrup, Table. Mangels, Herold Co. 336,020; June 23; Serial No. 374,890; published Apr. 14, 1936.
Vegetables, Fresh. Lompoc Vegetable Union. 336,063; June 23; Serial No. 374,625; published Apr. 14, 1936.
Vinegar. Hood River Apple Vinegar Co. 110,660; renewed June 6, 1936.

CLASS 47

Sherry. J. R. Parkington & Co. 335,988; June 23; Serial No. 372,427; published Apr. 14, 1936.

CLASS 48

Beer and ale. Flock Brewing Co. 336,045; June 23; Serial No. 375,141; published Apr. 14, 1936.

CLASS 49

Brandies, cognac, anise, etc. J. M. de Hoyos y Vinent. 336,083; June 23; Serial No. 354,405; published Dec. 18, 1934.
Cordials, and whiskey cocktails, Alcoholic. J. S. Polefsky. 336,138; June 23.
Rum. Rum Company. 336,082; June 23; Serial No. 354,807; published Sept. 25, 1934.
Whiskey. Sam April Liquor Store, Inc. 336,111; June 23; Serial No. 375,685; published Apr. 14, 1936.
Whiskey. Denebeim's Wholesale Liquor Co. 336,080; June 23; Serial No. 358,973; published Apr. 9, 1935.
Whiskey. Distillers Exchange, Inc. 336,110; June 23; Serial No. 375,701; published Apr. 14, 1936.
Whiskey. McKesson & Robbins, Incorporated. 336,108; June 23; Serial No. 375,807; published Apr. 14, 1936.
Whiskey. New Distributing Company. 336,102; June 23; Serial No. 374,339; published Apr. 14, 1936.
Whiskey. Joseph H. Reinfeld, Inc. 336,105; June 23; Serial No. 375,858; published Apr. 14, 1936.
Whiskey. Joseph H. Reinfeld, Inc. 336,107; June 23; Serial No. 375,814; published Apr. 14, 1936.
Whiskey. Edward Simpson & Co. (Distillers) Limited. 336,081; June 23; Serial No. 355,588; published Apr. 14, 1936.
Whiskey and gin. Sherry Wine & Spirits Company. 336,141; June 23.
Whiskey, gin, brandy, etc. Majestic Distilling Company. 336,116; June 23; Serial No. 375,514; published Apr. 14, 1936.
Whiskey, gin, rum, etc. Brown-Forman Distillery Company. 336,109; June 23; Serial No. 375,753; published Apr. 14, 1936.
Whiskey, gin, rum, etc. T. J. Pendergast Wholesale Liquor Co. 336,106; June 23; Serial No. 375,856; published Apr. 14, 1936.
Whiskey, gin, rum, etc. T. J. Pendergast Wholesale Liquor Co. 336,115; June 23; Serial No. 375,519; published Apr. 14, 1936.
Whiskeys, brandies, gins, etc. J. S. Polefsky. 336,052–3; June 23; Serial No. 375,846–7; published Apr. 14, 1936.
Whiskies, Straight and blended. H. Sigel. 336,112–5; June 23; Serial No. 375,671–2; published Apr. 14, 1936.

CLASS 50

Buttons, badges, and insignias. Old Age Revolving Pensions, Ltd. 336,099; June 23; Serial No. 370,356; published Apr. 14, 1936.
Fabrics, Especially treated or coated. Pepperell Manufacturing Company. 336,010; June 23; Serial No. 373,145; published Apr. 14, 1936.
Straws, Drinking. Stone Straw Corporation. 336,142; June 23.

LIST OF LABELS

A & P Bread. For Bread. Great Atlantic & Pacific Tea Company. 47,607; June 23.
Ace Milk of Magnesia Tooth Paste. For Tooth Paste. Ace Manufacturing Company. 47,574; June 23.
Almondine. For Skin Lotion. J. Alba. 47,575; June 23.
An Amazing Cleaner That Dissolves Grease and Thus Ends Needless Scouring and Scrubbing. For a Cleaning Preparation. B. T. Babbitt, Inc. 47,581; June 23.
Anderson Club. For Straight Whisky. W. P. Powers. 47,640; June 23.
Aristocrat. For Potatoes. Vick & Sons. 47,667; June 23.
Bear Brand Hosiery. For Hosiery. Bear Brand Hosiery Co. 47,583; June 23.
Beautiful Shoes. The J. L. Hudson Company, Detroit. For Shoes. A. C. Clayton Printing Co. 47,596; June 23.
Ben Franklin. For Blended Whiskey. W. P. Powers. 47,642; June 23.
Big Boy Bread. For Bread. Shawmut Mills. 47,653; June 23.
Big Yank Initial Kit. For Swatches of Fabric Having Thermo-Plastic Adhesive Back and Letters Printed on the Face to Be Cut Out as Initials. Reliance Manufacturing Company. 47,644; June 23.
Bird Neponset Rug—Bird Rugs Armored with Bakelite. For Rugs. Bird Floor Covering Sales Corp. 47,584; June 23.
Bon Vivant. For Port Wine. W. P. Powers. 47,639; June 23.
Bovin. For Cattle and Dairy Spray. Solarine Company. 47,655; June 23.
Buss Auto Fuses. For Electrical Fuses. Bussmann Manufacturing Company. 47,586; June 23.

Butt'r Like. For Imitation Flavor for Oleomargarine and Shortening. M. H. Schoenfield. 47,651; June 23.
Certified No. 1 Grade. For Red Cedar Shingles. Pacific Coast Shingle Inspection Bureau, Inc. 47,633; June 23.
Certified No. 2 Grade. For Red Cedar Shingles. Pacific Coast Shingle Inspection Bureau, Inc. 47,634; June 23.
Certified Wine Institute of America. For Certified Wines. Certified Wine Institute of America, Inc. 47,588; June 23.
"Chateau Canabec" Canada's Cheese Dessert. For Cheese Food Blend of Genuine Roquefort and Cream Cheese with a Small Percentage of Mineral Solids. Borden Company. 47,585; June 23.
Climalene. For a Cleanser, Water Softener and Soap Saver. Climalene Co. 47,598; June 23.
Cod Liver Oil with Viosterol. For Cod Liver Oil with Viosterol. Mead Johnson & Company. 47,621; June 23.
Coffee. For Coffee. Thomas M. Royal & Co. 47,646–9; June 23.
Country Gentleman Golden Corn Whiskey. For Corn Whiskey. Kasko Distillers Products Corp. 47,613; June 23.
Crofian Tweed. For Tweed. Crofter Hand-Woven Harris Tweed Co. Ltd. 47,599; June 23.
Design 112. For Coffee. Union Bag & Paper Corporation. 47,664; June 23.
Design 112. For Coffee. Union Bag & Paper Corporation. 47,665; June 23.
Design 114. For Coffee. Union Bag & Paper Corporation. 47,663; June 23.
Design 118. For Coffee. Union Bag & Paper Corporation. 47,662; June 23.
Design 120. For Coffee. Union Bag & Paper Corporation. 47,661; June 23.
Detour 'Black Leaf 40' Nicotine Sulphate. For Nicotine Sulphate. Tobacco By-Products & Chemical Corporation. 47,660; June 23.
Distinctive Footwear—Vanity Maid. For Footwear. M. B. Claff & Sons, Inc. 47,589; June 23.
Dr. Walter's Latherless-Brushless Facial Shave. For a Latherless and Brushless Shaving Cream. Great Lakes Laboratories. 47,608; June 23.
Dri-Brite's Once Over Auto Polish. For Automobile Polish. Dri-Brite, Inc. 47,600; June 23.
Duff's Devil's Food Mix. For Devil's Food Cake Mixture. P. Duff & Sons, Inc. 47,601; June 23.
Energy. For Flour. National Retailer-Owned Grocers, Inc. 47,624; June 23.
Five O'Clock Club. For Beer. A. Gettelman Brewing Co. 47,605; June 23.
Fleischmann's. For Sloe Gin. Fleischmann Distilling Corporation. 47,602; June 23.
Fox-O-Pedic Health Shoe. For Shoes. M. B. Claff & Sons, Inc. 47,592; June 23.
G-Men Laboratory Outfit. For a Combination of Finger Print and Secret Communication Sets. New York Toy & Game Co. Inc. 47,629; June 23.
G-Men Secret Communication Set. For Secret Communication Sets. New York Toy & Game Co. Inc. 47,628; June 23.
G-Men Training Outfit. For Target Sets. New York Toy & Game Co. Inc. 47,630; June 23.
Girard's Famous French Salad Dressing. For Salad Dressing. W. J. Girard. 47,606; June 23.
Green Buttermilk. For a Supplemental Food for Animals and Poultry. American Butter Company. 47,576; June 23.
House of Pickwick. For Talcum Powder. Pickwick Cosmetic Corp. 47,638; June 23.
King's Texas Centennial. For Candies. King Candy Company. 47,614; June 23.
Knight's. For Sweet Pickles. Knight Packing Company. 47,615; June 23.
Lady Rose Brand. For Salad Dressing. L. Schulman. 47,652; June 23.
Markwell's 'C T Q'. For a Type Cleaner. Markwell Mfg. Co. 47,617; June 23.
Marquette. For Blended Rye Whiskey. W. P. Powers. 47,641; June 23.
McGee's Surplus Lipstick Absorbex. For Tissue for the Removal of Surplus Lipstick from the Lips. B. A. McGee. 47,619; June 23.
Merle Norman. For Sulphur. M. Norman. 47,631; June 23.
Merlite. For a Furniture and Wood Polish. C. A. Meritt Co. 47,622; June 23.
Monitol "V". For First-Aid Dressing for Animals. H. A. Montgomery Company. 47,623; June 23.
Mother Goose. For Bread. Saniwax Paper Co. 47,650; June 23.
Neuweiler's Cream Ale. For Ale. Louis F. Neuweiler's Sons. 47,625; June 23.
Neuweiler's Pilsener Beer. For Beer. Louis F. Neuweiler's Sons. 47,626; June 23.
Neva Wet. For a Preparation for Rendering Fabrics and Garments Water Repellent, Spot and Stain Resistant, Neva Wet Bottling Company. 47,627; June 23.
Oertel's Cream Ale. For Ale. Oertel Company Incorporated. 47,632; June 23.
Ointment Blandoxide Haslam. For an Ointment. F. J. Haslam. 47,611; June 23.
Old American Brand. For Straight Bourbon Whiskey. American Distilling Company. 47,577–8; June 23.
Old American Brand Special. For Blended Whiskey. American Distilling Company. 47,579–80; June 23.
Once Only Mothproof. For a Liquid Preparation for Protecting Clothing, Blankets, Carpets, Rugs, Upholstered Furniture, Etc., from Moths. Hermann Chemical Co. 47,612; June 23.
Our Navy. For Beer. Southern Breweries, Inc. 47,656; June 23.
Pfeiffer's Winter Beer. For Beer. Pfeiffer Brewing Company. 47,637; June 23.
Power Shoe. For Shoes. M. B. Claff & Sons, Inc. 47,595; June 23.
Pride. For Celery. Golf Coast Celery Company. 47,610; June 23.
Progress. For Powder for Cleaning and Softening Water. J. S. Barnes. 47,582; June 23.
Rest-O-Arch. For Shoes. M. B. Claff & Sons, Inc. 47,591; June 23.
Roberta Shoes. For Shoes. M. B. Claff & Sons, Inc. 47,593; June 23.
Ronson 100% Pure Pennsylvania Motor Oil. For Motor Oil. Wynne Oil Company. 47,670; June 23.
Royal Gold. For Cigars. Jno. H. Swisher & Son, Inc. 47,659; June 23.
Royal's Best Ice Cream, No. 445 A. B. P. For Ice Cream. Sutherland Paper Company. 47,658; June 23.
St. James Bronchial Cough Balsam. For Bronchial Cough Balsam. W. Retslaff. 47,645; June 23.
Sand-Witch Sandals. For Sandals. M. B. Claff & Sons, Inc. 47,594; June 23.
Sanitary Ever-Wear Waterproof Semi-Gloss Paint. For Waterproof Semi-Gloss Paint. Paint-Point Products Co. Inc. 47,635; June 23.
Schwen's Ice Cream No. 499 A. B. P. For Ice Cream. Sutherland Paper Company. 47,657; June 23.
Sealt-Sweet (Box End). For Grapefruit. Florida Citrus Canners Cooperative. 47,604; June 23.
Sliced Home Made Bread. For Bread. Smith Steam Bakery. 47,654; June 23.
Smooth Sailin. For Candy Bars. F. A. Martoccio Company. 47,618; June 23.
Sofisticate. For Grenadine. Paterson Roses, Inc. 47,636; June 23.
Stag Beer. For Lager Beer. Griesedieck Western Brewery Company. 47,609; June 23.
Stop Spot. For Cleaning Fluid. Union Oil Company of California. 47,666; June 23.
Sunflower. For Carbon Paper. Carter's Ink Company. 47,587; June 23.
Sunny Mist Florida Natural—(Box End). For Canned Grapefruit Juice. Florida Citrus Canners Cooperative. 47,603; June 23.
Sunseald. For Canned Grapefruit Juice. Whitefield Citrus Products Corporation. 47,668; June 23.
The Higbee Co., Cleveland Beautiful Shoes. For Shoes. A. C. Clayton Printing Co. 47,597; June 23.
The Pioneer Shoe. For Shoes. M. B. Claff & Sons, Inc. 47,590; June 23.
Vita-Gold. For Eggs. C. E. McManus. 47,620; June 23.
Westmoreland. For Bourbon Whiskey. W. P. Powers. 47,643; June 23.
Wynne Motor Oil. For Motor Oil. Wynne Oil Company. 47,669; June 23.
You Will Like My Stuff . . . Awful Fresh MacFarlane. For Chocolates, Candy, and Nuts. D. L. MacFarlane. 47,616; June 23.

LIST OF PRINTS

Boy, I'm Glad That's Over. For Coffee. Hills Bros. 15,741–2; June 23.
But There's No Make-Believe About the Hazards He Faces Now! For Wheat Breakfast Food. Cream of Wheat Corporation. 15,734; June 23.
How Foolish I Was. For Coffee. Hills Bros. 15,746; June 23.
How Foolish I Was. For Coffee. Hills Bros. 15,752; June 23.
I Am Telling Everybody. For Coffee. Hills Bros. 15,743–4; June 23.
I Finally Got Wise. For Coffee. Hills Bros. 15,736; June 23.
I Finally Got Wise. For Coffee. Hills Bros. 15,755; June 23.
I Was Getting Desperate. For Coffee. Hills Bros. 15,749–50; June 23.
It Pays to Find Out. For Coffee. Hills Bros. 15,739–40; June 23.
Junket Mix for Ice Cream. For Preparation for Making Ice Cream in Refrigerator or Hand Freezer. Chr. Hansen's Laboratory, Inc. 15,735; June 23.

Keep-Em-Alive. For Fish Stringers. L. M. Wickman. 15,761; June 23.
Our Ideas Were Out of Date. For Coffee. Hills Bros. 15,737–8; June 23.
Signal Seal Litmus Test. For Rye or Bourbon Whiskey. Rectified Products Corporation. 15,760; June 23.
So—I Up and Told Her. For Coffee. Hills Bros. 15,753–4; June 23.
Study These Charts and See Why It Pays to Feed Larro Dairy Feed. For Dairy Feed. Larrowe Milling Company. 15,756; June 23.
The Bottle or the Can for Blitz-Weinhard Beer. For Beer. MacWilkins & Cole, Inc. 15,759; June 23.
The Glass Bottle—The Tin Can. For Beer. MacWilkins & Cole, Inc. 15,758; June 23.
They All Need Larro Egg Mash. For Poultry Feed. Larrowe Milling Company. 15,757; June 23.
Was My Face Red. For Coffee. Hills Bros. 15,745; June 23.
Was My Face Red. For Coffee. Hills Bros. 15,751; June 23.
We Had Been Missing the Boat. For Coffee. Hills Bros. 15,747–8; June 23.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 23D DAY OF JUNE, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abercrombie, James S. (See Martin, John R., assignor.)
Carborundum Company, The. (See Tone, Frank J., assignor.)
Curry, James P. (See Hopkins, Ernest R., assignor.)
Hopkins, Ernest R., assignor of one-half to J. P. Curry, Kansas City, Mo. Refrigerating coil. 20,016; June 23.
Martin, John R., assignor to J. S. Abercrombie, Houston, Tex. Blowout preventer and support. 20,017; June 23.
Sachs, Joseph, West Hartford, Conn. Automatic circuit breaker. 20,018; June 23.
Scrimgeour, William, Washington, D. C. Hollow forged valve and making the same. 20,014; June 23.
Tone, Frank J., assignor to The Carborundum Company, Niagara Falls, N. Y. Method and apparatus for drying freshly printed webs. 20,015; June 23.

LIST OF PLANT PATENTEES

Hillock, Verne S., Arlington, Tex. Rose. 185; June 23.
Smith, Neville M., York, Pa. Ornamental cherry tree. 188; June 23.
Spandikow, William, Jr., Maywood, Ill. Rose plant. 187; June 23.
Sullivan, Charles E., Yuba City, Calif. Peach. 186; June 23.

LIST OF DESIGN PATENTEES

Abelson & Braun. (See Braun, Julius, assignor.)
Allen, Jack G., assignor to F. H. Noble & Co., Chicago, Ill. Finger ring box or similar article. 100,142; June 23.
Allison, Clifford L., Grand Rapids, Mich., assignor to Continental Radio and Television Corp., Chicago, Ill. Radio cabinet or similar article. 100,143; June 23.
Ansonia De Luxe Shops, Inc. (See Faleck, Frank, assignor.)
Bakelite Corporation. (See Ellingwood, Finley F., assignor.)
Bakenhus, Herman E., Azusa, Calif. Boat. 100,144; June 23.
Bates, Arthur, North Attleboro, Mass., assignor to Evans Case Company. Box or the like. 100,145; June 23.
Benjamin, Benjamin, Freeport, N. Y. Shoe. 100,083; June 23.
Biddle, William P., Jr. (See Miller, J. B., and Biddle.)
Birren, Faber, assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Bowling alley newel post. 100,084; June 23.
Blasey, Lawrence, Cleveland, Ohio, assignor to Zenith Radio Corporation, Chicago, Ill. Radio cabinet. 100,146; June 23.
Bodenhofer, Ferdinand, New York, N. Y. Loose leaf binder plate. 100,085; June 23.
Braun, Julius, Union, N. J., assignor to Abelson & Braun, Newark, N. J. Finger ring. 100,147; June 23.
Braun, Julius, Union, N. J., assignor to Abelson & Braun, Newark, N. J. Guarded finger ring. 100,148; June 23.
Brede, William S., Minneapolis, Minn. Billboard. 100,086; June 23.
Brittain, Harold A., Akron, Ohio, assignor to Mid-Continental Petroleum Corporation, Tulsa, Okla. Tire. 100,149; June 23.
Brown, John B., Oklahoma City, Okla. Horological instrument. 100,150; June 23.
Brunswick-Balke Collender Company, The. (See Birren, Faber, assignor.)
Burgess, Nathaniel E., New York, N. Y. Textile fabric. 100,184; June 23.
Burgess, Nathaniel E., New York, N. Y. Textile fabric. 100,185; June 23.
Busch, Harry H., Wyomissing, assignor to The Narrow Fabric Company, West Reading, Pa. Elastic fabric. 100,151; June 23.
Busch, Harry H., Wyomissing, assignor to The Narrow Fabric Company, West Reading, Pa. Elastic fabric. 100,152; June 23.
Busch, Harry H., Wyomissing, assignor to The Narrow Fabric Company, West Reading, Pa. Elastic fabric. 100,153; June 23.
Busch, Harry H., Wyomissing, assignor to The Narrow Fabric Company, West Reading, Pa. Elastic fabric. 100,154; June 23.
Butt, Savannah B., Baltimore, Md. Lawn sprinkler. 100,087; June 23.
Canton Metal Decorating Company, The. (See Vogan, Frank M., assignor.)
Carlson, Harry J., Grove City, Pa. Flush plate. 100,088; June 23.
Chaplin, Charles J., Waterville, assignor to Chaplin Corporation, Portland, Maine. Insulating building block. 100,089; June 23.
Chaplin Corporation. (See Chaplin, Charles J., assignor.)
Continental Radio and Television Corp. (See Allison, Clifford L., assignor.)
Continental Radio and Television Corp. (See Siragusa, Ross D., assignor.)
Coughlan, William H., Auburn, Maine. Automobile ornament. 100,090; June 23.
Daegling, Kenneth H., Whiting, Ind., assignor to The Moore Corporation, Joliet, Ill. Heater. 100,091; June 23.
Daniels, Claude H., Wellesley Hills, Mass. Shoe upper material. 100,155; June 23.
Davol Rubber Company. (See Little, Jesse, assignor.)
Del Re, Gennaro, New York, N. Y. Slipper. 100,092; June 23.
Del Re, Gennaro, New York, N. Y. Slipper. 100,093; June 23.
Del Re, Gennaro, New York, N. Y. Slipper. 100,094; June 23.
Econotype, Inc. (See Poeppelmeier, Frank H., assignor.)
Ellingwood, Finley F., Metuchen, N. J., assignor to Bakelite Corporation, New York, N. Y. Handle for knives, forks, and similar articles. 100,156; June 23.
Enterprise Foundry Company. (See Spoeneman, Arthur O., assignor.)
Eriksen, Clarence M. (See Eriksen, Oliver H. and C. M.)
Eriksen, Oliver H., and C. M. Eriksen, Chico, Calif. Game board. 100,095; June 23.
Estate Stove Company, The. (See Kahn, Bertrand B., assignor.)
Evans Case Company. (See Bates, Arthur, assignor.)
Faleck, Frank, assignor to Ansonia De Luxe Shops, Inc., New York, N. Y. Shoe. 100,096; June 23.
Fitzmaurice, Douglas F. H., London, England. Automobile. 100,186; June 23.
Fox, Alexander P., University City, assignor to Lincoln Engineering Company, St. Louis, Mo. Automobile service station island group base unit. 100,097; June 23.
France, Edgar G., South Bend, Ind., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Cabinet for a sewing machine. 100,157; June 23.
Franklin, Lester K., Chicago, Ill. Radiator cap ornament. 100,098; June 23.
Freysinger, John B., New Britain, Conn. Buckle. 100,158; June 23.
Furedy, Frank, assignor to Twin-Glo Lamp Co. Inc., New York, N. Y. Electric lamp. 100,099; June 23.
Gamewell Company, The. (See Weld, Foster E., assignor.)
General Electric Company. (See Halvorson, Cromwell A. B., assignor.)
General Electric Company. (See Patten, Raymond E., assignor.)
Germanow, Harry, assignor to Germanow-Simon Machine Company, Rochester, N. Y. Desk thermometer or similar article. 100,100; June 23.
Germanow-Simon Machine Company. (See Germanow, Harry, assignor.)
Goerlich, John E. (See Graff, George R., assignor.)
Graff, George R., assignor to J. E. Goerlich, Toledo, Ohio. Automobile heater. 100,159; June 23.
Graff, George R., assignor to J. E. Goerlich, Toledo, Ohio. Automobile heater. 100,160; June 23.
Graff, George R., assignor to J. E. Goerlich, Toledo, Ohio. Automobile heater. 100,161; June 23.

Greenpoint Metalcraft Incorporated. (See Terker, Harry J., assignor.)
Grigor, James MacI., Inverness, Scotland. Flask. 100,162; June 23.
Haas, Harry H. (See Otis, W. F., Haas, and Otis.)
Hale, Lawrence N., Leaksville, N. C., assignor to Marshall Field & Company, Chicago, Ill. Textile fabric. 100,101; June 23.
Halvorson, Cromwell A. B., Lynn, Mass., assignor to General Electric Company. Lighting unit. 100,102; June 23.
Hell Co., The. (See Thwaits, Frederick G., assignor.)
Helms, William C., Oakland, Calif. Message scroll. 100,103; June 23.
Hiller, Morris, Long Beach, N. Y. Coat. 100,104; June 23.
Hoffmaster, Byron T., Appleton, assignor to Marathon Paper Mills Company, Rothschild, Wis. Napkin dispenser or the like. 100,105; June 23.
Howard, Viola T., Saylesville, R. I., assignor to Swank Products, Inc. Cravat holder. 100,163; June 28.
Idealite, Inc. (See Laxer, Harry M., assignor.)
International Silver Company. (See Kintz, Alfred G., assignor.)
Johnson Brothers (Hanley) Ltd. (See Johnson, Ernest J., assignor.)
Johnson, Ernest J., Stone, England, assignor to Johnson Brothers (Hanley) Ltd., Stoke-on-Trent, Staffordshire, England. Plate or similar article. 100,106; June 23.
Johnson, Ernest J., Stone, England, assignor to Johnson Bros. (Hanley) Ltd., Stoke-on-Trent, England. Plate or similar article. 100,107; June 23.
Judd, Irving H., Dearborn, assignor to Whitehead & Kales Company, River Rouge, Mich. Automobile transport. 100,164; June 23.
Kahn, Bertrand B., Cincinnati, assignor to The Estate Stove Company, Hamilton, Ohio. Heater. 100,166; June 23.
Kalpakoff, William, Southgate, Calif. Dining table. 100,165; June 23.
Kaplan, Harry, New York, N. Y. Playsuit. 100,167; June 23.
Kintz, Alfred G., Wallingford, assignor to International Silver Company, Meriden, Conn. Spoon or other article of flatware. 100,168; June 23.
Knox Stove Works. (See Miller, J. B., and Biddle, assignors.)
Kohen, Jack, Chicago, Ill. Cigar and cigarette lighter. 100,169; June 23.
Lange, Henry, assignor to Quincy Stove Manufacturing Company, Quincy, Ill. Combination coal and gas range. 100,108; June 23.
Laxer, Harry M., assignor to Idealite, Inc., New York, N. Y. Lamp base or similar article. 100,170; June 23.
Leatherman, Paul C., Palm Beach, Fla. Bottle. 100,109; June 23.
Lee Rubber & Tire Corporation. (See Nellen, A. H., & Leopold, assignors.)
Lengsfield, Byron Hassberg, New Orleans, La. Carton. 100,110; June 23.
Lentheric Incorporated. (See McIntosh, Frank, assignor.)
Leopold, Frederick, Jr. (See Nellen, A. H., & Leopold.)
Lincoln Engineering Company. (See Fox, Alexander P., assignor.)
Little, Jesse, Warwick, assignor to Davol Rubber Company, Providence, R. I. Nipple. 100,171; June 23.
MacKusick, William P., Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del. Tire. 100,172; June 23.
Marathon Paper Mills Company. (See Hoffmaster, Byron T., assignor.)
Marshall Field & Company. (See Hale, Lawrence N., assignor.)
Mayer, Richard, New Rochelle, N. Y. Automobile instrument panel. 100,173; June 23.
McCormick, Fred W., and F. C. Ruppel, Grand Rapids, Mich.; said Ruppel assignor to said McCormick. Drawer pull. 100,111; June 23.
McIntosh, Frank, assignor to Lentheric Incorporated, New York, N. Y. Bottle. 100,112; June 23.
McQuillen, Roy M., East Rochester, N. H. Shoe. 100,174; June 23.
McQuillen, Roy M., East Rochester, N. H. Shoe. 100,175; June 23.
Mid-Continent Petroleum Corporation. (See Brittain, Harold A., assignor.)
Miller, John B., and W. P. Biddle, Jr., assignors to Knox Stove Works, Knoxville, Tenn. Circulating heater. 100,113; June 23.
Moore Corporation, The. (See Daegling, Kenneth H., assignor.)
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Ice cream freezer. 100,114; June 23.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Accessory tank for bicycles. 100,115; June 23.
Morris, James J., assignor to Oak Manufacturing Company, Chicago, Ill. Doughnut machine. 100,176; June 23.
Murray Corporation of America, The. (See Northup, Amos E., assignor.)
Narrow Fabric Company, The. (See Busch, Harry H., assignor.)
Nellen, Arthur H., Merion, and F. Leopold, Jr., Harmonville, assignors to Lee Rubber & Tire Corporation, Conshohocken, Pa. Vehicle tire. 100,116; June 23.
Nellen, Arthur H., Merion, and F. Leopold, Jr., Harmonville, assignors to Lee Rubber and Tire Corporation, Conshohocken, Pa. Vehicle tire. 100,117; June 23.
Nellen, Arthur H., Merion, and F. Leopold, Jr., Harmonville, assignors to Lee Rubber and Tire Corporation, Conshohocken, Pa. Vehicle tire. 100,118; June 23.
Noble, F. H., & Co. (See Allen, Jack G., assignor.)
Noble, F. H., & Co. (See Shields, John M., assignor.)
Northup, Amos E., assignor to The Murray Corporation of America, Detroit, Mich. Automobile. 100,119; June 23.
Oak Manufacturing Company. (See Morris, James J., assignor.)
Olean Glass Works. (See Smith, George, Jr., assignor.)
Otis, John E. (See Otis, W. F., Haas, and Otis.)
Otis, Wilfred F., West New York, H. H. Haas, Union City, and J. E. Otis, West New York, N. J. Solid fuel stove ash pit. 100,120; June 23.
Patten, Raymond E., Bridgeport, Conn., assignor to General Electric Company. Escutcheon plate. 100,121; June 23.
Petaja, John, Chicago, Ill. Tomato juice jar. 100,122; June 23.
Poeppelmeier, Frank H., assignor to Econotype, Inc., Dayton, Ohio. Type composing machine. 100,123; June 23.
Quincy Stove Manufacturing Company. (See Lange, Henry, assignor.)
Rockola, David C., Chicago, Ill. Bar cabinet. 100,124; June 23.
Rominger, Velma E., Salem, Oreg. Tooth brush. 100,125; June 23.
Ruppel, Frederick C. (See McCormick, F. W., and Ruppel.)
Scurlock, Lewis H., Chicago, Ill. Glass food container or similar article. 100,126; June 23.
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Shanzer, Max, New York, N. Y. Slipper. 100,127; June 23.
Shields, John M., assignor to F. H. Noble & Co., Chicago, Ill. Jewelry display box, or similar article. 100,177; June 23.
Shields, John M., assignor to F. H. Noble & Co., Chicago, Ill. Jewelry display box or similar article. 100,178; June 23.
Singer Manufacturing Company, The. (See France, Edgar G., assignor.)
Siragusa, Ross D., assignor to Continental Radio and Television Corp., Chicago, Ill. Radio cabinet or similar article. 100,179; June 23.
Smith, George, Jr., assignor to Olean Glass Works, Olean, N. Y. Bottle or similar container. 100,128; June 23.
Snyder, Robert Z., Philadelphia, Pa. Radio cabinet. 100,129; June 23.
Spoeneman, Arthur O., assignor to Enterprise Foundry Company, Belleville, Ill. Range. 100,130; June 23.
Steelman, James S., assignor to Whitall Tatum Company, Millville, N. J. Bottle. 100,180; June 23.
Stevens, John, assignor to Zenith Radio Corporation, Chicago, Ill. Radio cabinet. 100,131; June 23.
Stevens, John, assignor to Zenith Radio Corporation, Chicago, Ill. Radio cabinet. 100,132; June 23.
Stevens, John, assignor to Zenith Radio Corporation, Chicago, Ill. Radiocabinet. 100,133; June 23.
Swank Products, Inc. (See Howard, Viola T., assignor.)
Terker, Harry J., assignor to Greenpoint Metalcraft Incorporated, Brooklyn, N. Y. Chair or similar article. 100,181; June 23.
Terker, Harry J., assignor to Greenpoint Metalcraft Incorporated, Brooklyn, N. Y. Chair or similar article. 100,182; June 23.
Thousand, Adolph, Cedar Rapids, Mich. Oil burner. 100,134; June 23.
Thwaits, Frederick G., Wauwatosa, Wis., assignor to The Heil Co., Milwaukee, Wis. Combined step plate and signal casing. 100,183; June 23.
Troy, Seymour, New York, N. Y. Shoe or similar article. 100,135; June 23.
Troy, Seymour, New York, N. Y. Shoe or similar article. 100,136; June 23.
Twin-Glo Lamp Co., Inc. (See Furedy, Frank, assignor.)
Villanueva, Zacarias H., Hilo, Hawaii. Badge or similar article. 100,137; June 23.
Vogan, Frank M., assignor to The Canton Metal Decorating Company, Canton, Ohio. Metal ceiling. 100,138; June 23.
Weld, Foster E., assignor to The Gamewell Company, Newton, Mass. Warning signal. 100,139; June 23.
Wernmark, Carl G., Hollywood, Calif. Shoe or similar article. 100,140; June 23.
Whitall Tatum Company. (See Steelman, James S., assignor.)
Whitehead & Kales Company. (See Judd, Irving H., assignor.)
Wingfoot Corporation. (See MacKusick, William P., assignor.)
Worth, Frederick W., Chicago, Ill. Table or the like. 100,141; June 23.
Zenith Radio Corporation. (See Stevens, John, assignor.)
Zenith Radio Corporation. (See Blazey, Lawrence, assignor.)

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 23D DAY OF JUNE, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Ackles-Hornkohl Company. (See Hornkohl, C. J., and Deppe, assignors.)
Adams, Joseph H., Detroit, Mich. Vacuum cleaning apparatus. 2,044,827; June 23.
Aeberli, Arnold, Zurich, Switzerland. Stretching mechanism for stretching textile fibers for mules, ring spinning, and stretching machines. 2,045,338; June 23.
Aeriet Air Conditioner Company. (See Child, Lachlan W., assignor.)
Agfa Ansco Corporation. (See Hagedorn, Max, assignor.)
Agfa Ansco Corporation. (See Lingg, A., and Frost, assignors.)
Ahrens, Henry A., Cleveland, and E. F. Kennedy, Garfield Heights, Ohio, and J. E. Nason, Erie, Pa., assignors to The Cleveland Co-Operative Stove Company, Cleveland, Ohio. Stove or range. 2,045,061; June 23.
Airplane and Marine Direction Finder Co. (See Hefele, Edward J., assignor.)
Alkin, Emanuel M., assignor to Morays Watch Case Co., Inc., New York, N. Y. Safety catch for wrist watch bands, bracelets, necklaces, and other jewelry. 2,044,869; June 23.
Allen, John E., M. J. Blew, and A. C. Wood, Philadelphia, Pa. Refuse destructor. 2,045,115; June 23.
Allen, Raymond W. (See Dillon, J. H., and Allen.)
Allgemeine Elektricitatz Gesellschaft. (See Lichte, H., Zeh, Glass, and Schwarz, assignors.)
Allred, George W., Mayodan, N. C. Cleaning device for circular knitting machinery. 2,045,509; June 23.
Almen, John O. (See Gove, W. D., and Almen.)
Almen, John O., Royal Oak, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Collapsible molding core. 2,045,556; June 23.
Almen, John O., Royal Oak, and A. Laszlo, assignors to General Motors Corporation, Detroit, Mich. Clutch mechanism. 2,045,557; June 23.
Almen, John O., Royal Oak, and W. D. Gove, assignors to General Motors Corporation, Detroit, Mich. Control for toric friction transmission. 2,045,558; June 23.
Almen, John O., Royal Oak, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Testing lubricants. 2,045,555; June 23.
Aluminum Company of America. (See Tosterud, Martin, assignor.)
American Can Company. (See Hoffman, Edmund, assignor.)
American Can Company. (See Rooney, Walter E., assignor.)
American Gasaccumulator Company. (See Diebold, Anton, assignor.)
American Hydrolizer Company. (See Urban, Alfred E., assignor.)
American Laundry Machinery Company, The. (See Elberty, Robert S., Jr., assignor.)
American Laundry Machinery Company, The. (See Hanney, Angus F., assignor.)
American Laundry Machinery Company, The. (See Johnson, George W., assignor.)
American Laundry Machinery Company, The. (See Singiser, John P., assignor.)
American Machine & Foundry Company. (See Ferenci, Lester, assignor.)
American Magnesium Metals Corporation. (See Hansgirg, Fritz, assignor.)
American Optical Company. (See Schumacher, Elmer L., assignor.)
American Smelting and Refining Company. (See Lindner, Karl A., assignor.)
American Steel Foundries. (See Hedgcock, William C., assignor.)
American Stove Company. (See Frick, William H., assignor.)
American Telephone and Telegraph Company. (See Espenschied, Lloyd, assignor.)
American Thermometer Company. (See Bolin, Charles D., assignor.)
Anaconda Wire & Cable Company. (See Rosch, Samuel J., assignor.)
Andersen, Charles H. (See Marsh, F. E., and Andersen.)
Anderson, Harold C. (See Bullard, E. P., and Anderson.)
Anderson, Rudolph E., Racine, Wis. Drawing device. 2,044,760; June 23.
Angelus, Louis, New York, and D. L. Baylis, Long Island, N. Y., said Baylis assignor to said Angelus. Cleaning articles of clothing and the like. 2,044,828; June 23.
Anker-Werke, A. G. (See Bölter, Wilhelm, assignor.)

Armington, Arthur P., Willoughby, assignor to The Euclid Road Machinery Company, Euclid, Ohio. Locomotive. 2,045,510; June 23.
Armour and Company. (See Fenger, Frederic, assignor.)
Arnold, John W., San Francisco, Calif. Lubricator for pneumatic tools. 2,044,765; June 23.
Asahina, Yasuhiko, and M. Ishidate, Tokyo, Japan. Preparing D-trans-II-oxo-camphor from iso-ketopinic acid. 2,045,062; June 23.
Atlantic Service Company. (See Laemmel, Charles A., assignor.)
Atwater Kent Manufacturing Company. (See McLaughlin, Kenneth M., assignor.)
Austin, Fuller A., Lincoln, Nebr. Sign. 2,045,378; June 23.
Autogiro Company of America. (See Pecker, Joseph S., assignor.)
Autographic Register Company. (See Rohn, John E., assignor.)
Automotive Products Company Limited, et al. (See Laguidara, Rocco, assignor.)
Autopoint Company. (See Dell, Frank C., assignor.)
Avery, Harold T., and G. Lerch, Oakland, Calif., assignors to Marchant Calculating Machine Company. Calculating machine. 2,044,978; June 23.
B. S. A. Tools Limited. (See Ogilvie, William, assignor.)
Babcock, Thurman E., Lansing, Mich. Polishing device. 2,045,511; June 23.
Babcock & Wilcox Company, The. (See Jacobus, D. S., and Jones, assignors.)
Badollet, Marion S. (See Cummins, A. B., Badollet, and Miller.)
Baird, Edward F., Glendale, Calif. Knee-action hoist attachment. 2,045,173; June 23.
Bake, Louis S. (See Tisdale, W. H., and Bake.)
Bakelite Building Products Co. (See Harshberger, Norman P., assignor.)
Bakelite Building Products Co. Inc. (See Harshberger, N. P., and Ochs, assignors.)
Bakelite Corporation. (See Byck, Lawrence C., assignor.)
Bakelite Gesellschaft mit beschrankter Haftung. (See Seebach, Fritz, assignor.)
Baker Manufacturing Company, The. (See Buffington, Harry C., assignor.)
Baker Perkins Company Incorporated. (See Harber, L. S., and Pointon, assignors.)
Baldwin Company, The. (See Yungblut, Gibson, assignor.)
Ball Brothers Company. (See Ludington, Lawrence L., assignor.)
Ball, Charles F. (See Merwin, J. C., and Ball.)
Banner Iron Works. (See Illig, Walter E., assignor.)
Baranowski, Bronislaw, Brockton, Mass. Trap for ice-fishing. 2,045,063; June 23.
Bardet, George A., and G. V., Berkeley, Calif., assignors to M. J. B. Company. Attachment for can labeling machines. 2,045,287; June 23.
Bardet, George V. (See Bardet, George A., and G. V.)
Barish, Thomas, assignor, by mesne assignments, to Marlin-Rockwell Corporation, Jamestown, N. Y. Bearing. 2,045,174; June 23.
Barrett Company, The. (See Bywater, Wilfred M., assignor.)
Barrett Company, The. (See Radasch, Arthur H., assignor.)
Barthélemy, René, Fontenay Aux Roses, assignor to Compagnie pour la Fabrication des Compteurs et Materiel d'Usines a Gaz, Montrouge, France. Gaseous luminous lamp. 2,045,288; June 23.
Bartlett Hayward Company, The. (See Kuehn, Paul M., assignor.)
Bartlett Hayward Company, The. (See Wagner, Frederick H., assignor.)
Bary, Victor, R., Hendon, London, England. Axle bearing. 2,044,931; June 23.
Bassick Company, The. (See Wiley, William R., assignor.)
Batchell, George W., Toledo, Ohio. Leer. 2,045,259; June 23.
Bates, William W., Dayton, Ohio. Collapsible swing. 2,044,964; June 23.
Battle Creek Bread Wrapping Machine Company. (See Littlefield, Carl, assignor.)
Bauer, William G., New York, N. Y. Eyelid cap. 2,044,965; June 23.
Baugh, John H., Chattanooga, Tenn., assignor to Hemphill Company, Central Falls, R. I. Hosiery and making the same. 2,044,966; June 23.

Baughman, George W., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Speed controlled brake. 2,045,175; June 23.

Baxter, William C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., Slashing machine. 2,044,870; June 23.

Baylis, Daniel L. (See Angelus, L., and Baylis.)

Baylocq, François. (See Berthélemy, P., and Baylocq.)

Beach, Norman F. (See McNally, J. G., and Beach.)

Beardsley & Wolcott Manufacturing Company, The. (See Perry, Edward D., assignor.)

Beasley, Lawton, Bishopville, S. C. Hand planter. 2,044,871; June 23.

Beatty, Robert J., Cedar Rapids, Iowa. Casket. 2,044,872; June 23.

Becvar, Joseph, Wickliffe, assignor to The Cleveland Cooperative Stove Company, Cleveland, Ohio. Adjustable flue for gas ranges. 2,044,761; June 23.

Bee Line Manufacturing Company. (See Smith, Roy D., assignor.)

Belcher, Clarence F. (See Lulek, R. N., and Belcher.)

Belcher, George E., Company. (See Reinhardt, Louis W., assignor.)

Bell Telephone Laboratories, Incorporated. (See Bouton, G. M., and Schumacher, assignors.)

Bell Telephone Laboratories, Incorporated. (See Cioffi, Paul P., assignor.)

Bell Telephone Laboratories, Incorporated. (See Dimond, Thomas L., assignor.)

Bell Telephone Laboratories, Incorporated. (See Myers, Oscar, assignor.)

Bell Telephone Laboratories, Incorporated. (See Redmond, F. J., and Reynolds, assignors.)

Bell Telephone Laboratories Incorporated. (See Rumpel, Carl H., assignor.)

Bell Telephone Laboratories, Incorporated. (See Wickersheim, Lyle W., assignor.)

Bendix Aviation Corporation. (See Goepfrich, Rudolph A., assignor.)

Bendix Aviation Corporation. (See LaBrie, Ludger E., assignor.)

Bendix Aviation Corporation. (See Sanford, Roy S., assignor.)

Bendix Brake Company. (See Dodge, Adiel Y., assignor.)

Bendix Brake Company. (See Le Brie, L. E., and Rosner, assignors.)

Bennett, Charles A., and F. L. Gerdes, Stoneville, Miss., assignors to The Government and The People of The United States of America. Device for culling and grading seed cotton. 2,045,064; June 23.

Bennett, Owen G., assignor to Catalyst Research Corporation, Baltimore, Md. Apparatus for diffusing gases. 2,045,379; June 23.

Berggren, Per J., Chicago, Ill. Shutter and shutter adjustment for cameras. 2,045,260; June 23.

Bergmans, Jan, Eindhoven, Netherlands, assignor to General Electric Company. Electric incandescent lamp. 2,045,512; June 23.

Berrisford, William H., Longton, Stoke-on-Trent, England. Shaker conveyer and the like. 2,045,065; June 23.

Berthélemy, Pierre, and F. Baylocq, assignors to Société Anonyme Francaise said: Les Produits Chemiques Purs, Paris, France. Separating the volatile liquid organic constituents of pyroligneous acid. 2,044,766; June 23.

Berthélemy, Pierre, and F. Baylocq, assignors to Société Anonyme Francaise said: "Les Produits Chimiques Purs", Paris, France. Separating volatile organic compounds from aqueous solutions. 2,045,513; June 23.

Beskow, Stig, Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Self-draining separator bowl. 2,045,116; June 23.

Besler Systems. (See Besler, William J., assignor.)

Besler, William J., Plainfield, N. J., assignor to Besler Systems, Emeryville, Calif. Truck for rail vehicles and the like. 2,044,767; June 23.

Bettendorf Company, The. (See Clasen, Claus J. W., assignor.)

Beust, Cecil J., Atlanta, Ga. Rotary compressor. 2,044,873; June 23.

Bietz, Luther, Curwensville, Pa. Sewer. 2,045,514; June 23.

Binney & Smith Company. (See Wiegand, William B., assignor.)

Bjornson, Ingvard, Los Alamitos, Calif. Abradant holder. 2,044,896; June 23.

Blackall, James D., assignor to Hood Rubber Company, Inc., Watertown, Mass. Cutting plastic material and tool therefor. 2,044,932; June 23.

Blackhawk Mfg. Co. (See Pfauser, Edward M., assignor.)

Blackwood, James. (See Williamson, G. A., Holmes, and Blackwood.)

Blaisdell, Sidney B., Wyncote, Pa., assignor to Fidelity Machine Company, Wilmington, Del. Convertible base for braiding machines. 2,045,515; June 23.

Blakely, Carl. (See Wilhelm, J. A., and Blakely.)

Blew, Michael J. (See Allen, J. E., Blew, and Wood.)

Bliss, E. W., Company. (See Mueller, Otto, assignor.)

Boegehold, Alfred L., Detroit, A. W. Schluchter, Dearborn, and R. H. Terry, Detroit, assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Making bronze bearings and blanks therefor. 2,044,897; June 23.

Boehringer, C. F., & Soehne, G. m. b. H. (See Müller, R., Schenck, and Wirbatz, assignors.)

Boland, Edward J., Cleveland, Ohio. Draughtboard or checkerboard. 2,045,339; June 23.

Bolin, Charles D., assignor to American Thermometer Company, St. Louis, Mo. Thermostatic valve control. 2,045,289; June 23.

Bölter, Wilhelm, assignor to Anker-Werke, A. G. Bielefeld, Germany. Zigzag stitching machine. 2,045,340; June 23.

Bone, Herbert L., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway braking apparatus. 2,044,762; June 23.

Bosch, Robert, Aktiengesellschaft. (See Stribeck, Richard, assignor.)

Bosqui, Francis L., assignor to Rhokana Corporation, Limited, N'Kana, Northern Rhodesia. Production of cobalt. 2,045,212; June 23.

Boston Wire Stitcher Company. (See Maynard, Arthur H., assignor.)

Bourdon, Pierre M., Paris, assignor to Michelin et Cie, Clermont-Ferrand, France. Safety device for tires. 2,045,341; June 23.

Bouton, George M., Lynbrook, N. Y., and E. E. Schumacher, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Maintaining cable sheath. 2,044,763; June 23.

Bower, Charles L., Seattle, Wash. Log gripping calk plate. 2,045,066; June 23.

Bowler, Ernest C., Jr., assignor to Maine Casket Company, Inc., Portland, Maine. Removable interior for burial cases. 2,044,907; June 23.

Bowman, John M., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Resistor connecter device. 2,045,362; June 23.

Boyd, Charles E. (See Richardson, Sidney, assignor.)

Brelsford, James B., Dayton, Ohio. Coupling. 2,044,768; June 23.

Brewer, Charles A., Noroton Heights, Conn., assignor of one-half to P. J. Kury. Motor vehicle control. 2,045,516; June 23.

Brown Company. (See Richter, G. A., and Schur, assignors.)

Brown Company. (See Richter, G. A., Vannah, and McMurtrie, assignors.)

Brown, Donald, Newcastle-upon-Tyne, England, assignor of twenty-five per cent to T. N. Garson, Staten Island, N. Y. Floor and roof construction. 2,045,117; June 23.

Brown, Jesse J., Syracuse, N. Y. Timing device. 2,045,118; June 23.

Brown, Maurice, et al. (See Deutsch, E., and Werner, assignors.)

Bruce, E. L., Company. (See Bruce, Robert G., assignor.)

Bruce, Robert G., assignor to E. L. Bruce Company, Memphis, Tenn. Wood block. 2,045,067; June 23.

Bruce, Robert G., assignor to E. L. Bruce Company, Memphis, Tenn. Wood block. 2,045,068; June 23.

Brumser, Henry M., Portland, Oreg. Window shade attachment and support. 2,045,380; June 23.

Brunner, Walter. (See Herz, R., and Brunner.)

Bruson, Herman A., Germantown, assignor to The Resinous Products & Chemical Co. Inc., Philadelphia, Pa. Metal salts of oxyacetic acids. 2,044,968; June 23.

Bruson, Herman A., Elkins Park, anod O. Stein, Lansdowne, assignors to Rohm & Haas Company, Philadelphia, Pa. Water-soluble phenolic derivatives. 2,045,517; June 23.

Bryce, James W., Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation ,New York, N. Y. Accounting machine. 2,045,436; June 23.

Bryce, James W., Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Record controlled accounting machine. 2,045,434; June 23.

Bryce, James W., Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Record controlled and record making accounting machine. 2,045,435; June 23.

Buffington, Harry C., assignor to The Baker Manufacturing Company, Springfield, Ill. Scraper or grader. 2,044,933; June 23.

Bullard Company, The. (See Bullard, E. P., and Anderson, assignors.)

Bullard, Edward P., Bridgeport, and H. C. Anderson, Fairfield, Conn., assignors to The Bullard Company. Apparatus for stationary work turning. 2,044,829; June 23.

Burgeni, Alfred. (See Griffin, H. H., and Burgeni.)

Burnside, Doo G., East Orange, N. J., assignor to Radio Corporation of America. Combined diode detector and amplifier circuit. 2,045,290; June 23.

Buron, Harry A., Cambridge, and J. V. MacDonough, Watertown, Mass., assignors, by mesne assignments, to Arthur D. Little, Inc. Preparing zein. 2,044,769; June 23.

Burroughs Adding Machine Company. (See Muller, Robert L., assignor.)

Burton-Dixie Corporation. (See Pittoni, Angelo, assignor.)

Bush, Edward R., Lemont, Ill., assignor to Chadeloid Chemical Company, New York, N. Y. Coated article and composition therefor. 2,044,770; June 23.

Bush, Olney, Buffalo, N. Y. Animal grading device. 2,045,176; June 23.

Bushnell, Charles R. (See Petersen, J., and Bushnell.)

Busse, Edwin G., assignor to Chicago Railway Equipment Company, Chicago, Ill. Car door. 2,045,291; June 23.

Byck, Lawrence C., Elizabeth, N. J., assignor to Bakelite Corporation, New York, N. Y. Molding mixtures and their manufacture. 2,044,969; June 23.

Bywater, Wilfred M., Weehawken, N. J., assignor to The Barrett Company, New York, N. Y. Distillation of tar. 2,044,764; June 23.

C. & G. Manufacturing Company. (See Goetz, Wilhelm, assignor.)

Calcott, William S., Pennsgrove, N. J., W. H. Tisdale, and A. L. Flenner, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Insecticidal spray materials. 2,044,934; June 23.

Calem, Bernard, and W. Stabile, Bronx, N. Y. Handbag. 2,044,874; June 23.

Candy, Albert T., Jr., Oak Park, Ill. Coating insulated wire or the like. 2,044,970; June 23.

Carey, Abner B., Grayville, Ill. Packing and display device. 2,045,292; June 23.

Carlson, Adolph, South Porcupine, Ontario, Canada. Clinometer for surveying diamond drill holes. 2,045,342; June 23.

Carlson, Russell J. (See Langer, T. W., McBride, Carlson, Stow, and Clardy.)

Carlson, Vernon E., Canton, assignor to The Hoover Company, North Canton, Ohio. Electric motor. 2,045,293; June 23.

Carlstedt, Fredrik, Stockholm, Sweden, assignor to Electrolux Corporation. Dover, Del. Vacuum cleaner. 2,044,830; June 23.

Carpenter, Arthur W., New York, assignor to United Research Corporation, Long Island City, N. Y. Motion picture stereoscopy. 2,045,119; June 23.

Carpenter, Arthur W., New York, assignor to United Research Corporation, Long Island City, N. Y. Projection of motion pictures. 2,045,120; June 23.

Carpenter, Irving C. (See Moorman, A. R., and Carpenter.)

Carpenter, Robert F., Cleveland, Ohio. Curtain suspension device. 2,045,007; June 23.

Carr, Milton D., Jr., Miami, Fla. Boat construction. 2,044,771; June 23.

Carrell, Wilbur A., Pittsburgh, Pa. Accelerated aging of distilled liquors. 2,044,898; June 23.

Carter, Leslie F., Leonia, N. J., assignor, by mesne assignments, to Sperry Products Inc., Brooklyn, N. Y. Gyroscopic compass. 2,044,899; June 23.

Cartlidge, Frank, assignor to Goodman Manufacturing Company, Chicago, Ill. Loading machine. 2,045,008; June 23.

Carvalho, Leslie R. N., assignor to The Closure Service Company, Toledo, Ohio. Apparatus for the manufacture of metal closures. 2,045,121; June 23.

Casby, John J. (See Ogden, H. S., and Casby.)

Case, J. I., Company. (See Huddle, Edwin F., assignor.)

Cases, Armando L., Padova, Italy. Four-stroke-cycle engine with combined admission and exhaust valve gear. 2,045,122; June 23.

Catalyst Research Corporation. (See Bennett, Owen G., assignor.)

Cavanagh, James, Cohasset, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe and the manufacture thereof. 2,044,875; June 23.

Celanese Corporation of America. (See Dreyfus, C., and Schneider, assignors.)

Celanese Corporation of America. (See Dreyfus, H., and Taylor, assignors.)

Celanese Corporation of America. (See Kinsella, Edward, assignor.)

Celanese Corporation of America. (See Roberts, R. P., Johnson, and Gregory, assignors.)

Celanese Corporation of America. (See Taylor, William I., assignor.)

Chain Belt Company. (See Merwin, J. C., and Ball, assignors.)

Chambers, Albert B., Philadelphia, Pa. Manufacturing rubber hose for air lines. 2,045,123; June 23.

Champion Spark Plug Company. (See Riddle, Frank H., assignor.)

Chandeloid Chemical Company. (See Bush, Edward R., assignor.)

Chaplin, Charles J., Waterville, assignor to Chaplin Corporation, Portland, Maine. Insulating building block. 2,045,546; June 23.

Chaplin Corporation. (See Chaplin, Charles J., assignor.)

Charles, Joseph, Hammersmith, London, England. Hair curler. 2,045,218; June 23.

Chatfield, Clarence E., Indianapolis, Ind., assignor, by mesne assignments, to W. D. Hamer, deceased, F. H. Hamer, executrix. Junction clamp for electric wires. 2,045,547; June 23.

Chatfield, Victor M., Lansdowne, assignor to Sun Oil Company, Philadelphia, Pa. Distillation tower. 2,045,518; June 23.

Cheever, Tweedy & Co. Inc. (See Metcalf, Alpha H., assignor.)

Chemische Fabrik Flörsheim vorm. Dr. H. Noerdlinger Aktiengesellschaft. (See von Mandelsloh, Otto A. G., assignor.)

Chereau, Louis N., E. M. Deloraine, L. R. Guilbaud, F. E. A. Smets, and S. Van Mierlo, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y. Facsimile system. 2,044,831; June 23.

Chicago Railway Equipment Company. (See Busse, Edwin G., assignor.)

Chicago Tubing & Braiding Company. (See Debenedetti, Rodolfo, assignor.)

Chicago Tubing & Braiding Company. (See Debenedetti, Rodolfo, assignor.)

Chicopee Manufacturing Corporation. (See Stevenson, William M., assignor.)

Child, Lachlan W., Toledo, Ohio, assignor, by mesne assignments, to Aeriet Air Conditioner Company. Air conditioner. 2,044,832; June 23.

Cioffi, Paul P., Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Control apparatus. 2,045,438; June 23.

Circle F Mfg. Co. (See Petersen, Carl M., assignor.)

Claff, Clarence L., Randolph, Mass. Paper box and making the same. 2,044,935; June 23.

Clardy, Frederick B. (See Langer, T. W., McBride, Carlson, Stow, and Clardy.)

Clark, Arthur L., Detroit, Mich. Multiple flour sieve. 2,045,439; June 23.

Clarke, Louis A., Fishkill, assignor to The Texas Company, New York, N. Y. Solvent extraction of hydrocarbon oil. 2,045,321; June 23.

Clarkson, Russell. (See Stone, A. A., and Clarkson.)

Clasen, Claus J. W., Davenport, assignor to The Bettendorf Company, Bettendorf, Iowa. Railway car truck. 2,044,971; June 23.

Clement Talbot Limited. (See Roesch, Georges H., assignor.)

Cleveland Co-Operative Stove Company. (See Ahrens, H. A., Kennedy, and Nason, assignors.)

Cleveland Cooperative Stove Company, The. (See Becvar, Joseph, assignor.)

Cleveland Rock Drill Company, The. (See Curtis, John C., assignor.)

Cleveland Rock Drill Company, The. (See Greve, L. W., and Curtis, assignors.)

Closure Service Company, The. (See Carvalho, Leslie R. N., assignor.)

Clute, Harry W., Irvington, N. Y. Push-pull link transmission. 2,045,261; June 23.

Coenning, Ernst, Berlin-Charlottenburg, Germany. Anti-skid device. 2,045,214; June 23.

Cole, Raymond W., Cranford, N. J., assignor to Cordley & Hayes, New York, N. Y. Cooler. 2,045,440; June 23.

Colt, Samuel S., Orange, N. J. Form retaining means. 2,044,833; June 23.

Colton, Arthur, Company. (See Kath, Alfred W., assignor.)

Comay, Salmen, assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Refining of hydrocarbon oils. 2,045,262; June 23.

Compagnie pour la Fabrication des Compteurs et Materiel d'Usines a Gaz. (See Barthélemy, René, assignor.)

Cone, Frank L., Windsor, Vt. Stock feeding mechanism. 2,045,070; June 23.

Conn, Wallace T., Lawrence, Mass., assignor to the Government of the United States, represented by the Secretary of Commerce. Preservative and marine growth arresting process. 2,044,772; June 23.

Conn, Wallace T., Lawrence, Mass., assignor to Government of the United States, represented by the Secretary of Commerce. Preservative and marine growth arresting process. 2,044,773; June 23.

Constantine, Arthur R. (See Kenney, M. W., and Constantine.)

Contact Filtration Company. (See Moorman, A. R., and Carpenter, assignors.)

Conzetti, Achille, assignor to firm of J. R. Geigy A. G., Basel, Switzerland. Manufacture of water-insoluble indulines. 2,045,069; June 23.

Cook, Stanley S., assignor to The Parsons Marine Steam Turbine Company, Limited, Wallsend-on-Tyne, England. Combined reciprocating and turbine engine installation. 2,045,322; June 23.

Cooley, Austin G., New York, N. Y., assignor, by mesne assignments, to Radio Corporation of America. Synchronizing apparatus for photo-telegraphy. 2,045,294; June 23.

Cooper, Joseph, New York, N. Y. Extension table. 2,045,441; June 23.

Cooper, William H., Passaic, N. J., and C. A. Pinkham, New York, assignor to Pilot Radio Corporation, Long Island City, N. Y. Drive for indicator elements. 2,045,263; June 23.

Cordley & Hayes. (See Cole, Raymond W., assignor.)

Corhart Refractories Company. (See Schroeder, Frederick W., assignor.)

Couch, Royden O., Grant, Fla. Aerating device. 2,045,442; June 23.

Coutant, Jay G., New York, N. Y. Purification of gases. 2,045,519; June 23.

Coverston, George C., Fallon, Nev. Cooling apparatus. 2,045,215; June 23.

Cravath, Austin M. (See Devol, L., and Cravath, assignors.)

Crawford, Samuel W., assignor to National Bearing Metals Corporation, St. Louis, Mo. Machine for lining bearings. 2,044,834; June 23.

Cream Cone Machine Company, The. (See Taylor, Carl R., assignor.)

Criner, Harry J., Davenport, assignor, by mesne assignments, to The Micro Corporation, Bettendorf, Iowa. Bread slicing machine. 2,044,835; June 23.

Cronhardt, Constance. (See Skoglund, Joseph A., assignor.)

Crowley, Cornelius J., New Haven, and P. S. Madsen, Bethany, assignors to The Seamless Rubber Company, Incorporated, New Haven, Conn. Inflatable ball. 2,044,836; June 23.

Crowley, Henry G., Fort Worth, Tex., and E. W. Riemenschneider, Canton, Ohio, assignors to Tripioil Manufacturing Company, Incorporated, Dallas County, Tex. Reclaiming used lubricating oil. 2,045,216; June 23.

Cummings, Stanley R., Canton, and C. R. Mummery, assignors to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,045,295; June 23.

Cummins, Arthur B., Plainfield, Marion S. Badollet, Fanwood, and M. C. Miller, Somerville, N. J., assignors to Johns-Manville Corporation, New York, N. Y. Apparatus for measuring turbidity. 2,045,124; June 23.

Curtis, David, New York, N. Y. Anesthetic solutions. 2,045,125; June 23.

Curtis, Harry A., Knoxville, Tenn., assignor to Tennessee Valley Authority, Wilson Dam, Ala. Treating phosphate rock to eliminate fluorine. 2,044,774; June 23.

Curtis, John C. (See Greve, L. W., and Curtis.)

Curtis, John C., Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Wagon drill. 2,044,876; June 23.

Curtis, John C., Garfield Heights, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Drill steel extractor. 2,044,877; June 23.

Curtis, John C., Garfield Heights, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio. Portable drill rig. 2,044,878; June 23.

Curtiss Aerocar Company. (See Robinson, H. H., and Parrish, assignors.)

Daimler Benz Aktiengesellschaft. (See Wagner, Max, assignor.)

Daly, George F., Johnson City, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Multiplying machine. 2,045,437; June 23.

Darrah, William A., Chicago, Ill. Process of and apparatus for treating materials. 2,045,343; June 23.

Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Power actuating mechanism for fabric presses. 2,045,443; June 23.

Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Pressing machine. 2,045,444; June 23.

Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Actuating mechanism for pressing machines. 2,045,445; June 23.

Davis, Ernest, assignor to The Prosperity Company Inc., Syracuse, N. Y. Actuating mechanism for pressing machines. 2,045,446; June 23.

Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Garment or ironing press. 2,045,447; June 23.

Davis, Ernest, assignor to The Prosperity Company, Inc., Syracuse, N. Y. Pressing machine. 2,045,448; June 23.

Davis, Harry D., Springfield, Mass. Closure for collapsible tubes. 2,044,837; June 23.

Davison, Alice L. S., executrix. (See Davison, Gregory C.)

Davison, Gregory C., deceased, New London, Conn.; A. L. S. Davison, executrix. Cable tool joint. 2,045,520; June 23.

Davitt, John W. (See Elze, W. C., and Davitt.)

Dean, Doris B., executrix. (See Dean, William E., Jr.)

Dean, Joseph V., Wilmington, Del. Game apparatus. 2,045,217; June 23.

Dean, William E., Jr., deceased, Hamilton, Ontario, Canada, by D. B. Dean, executrix, Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Piston device. 2,045,177; June 23.

Dearborn Chemical Company. (See Reynolds, Albert H., assignor.)

Debenedetti, Rodolfo, Turin, Italy, assignor to Chicago Tubing & Braiding Company, Chicago, Ill. Flexible metal tube. 2,044,900; June 23.

Debenedetti, Rodolfo, Turin, Italy, assignor to Chicago Tubing & Braiding Company, Chicago, Ill. Manufacture of flexible tubes. 2,045,540; June 23.

De Boer, Rudolph F., Grand Rapids, Mich. Ash receiver. 2,045,449; June 23.

Deems, Edward M., Forest Hills, assignor to Railroad Accessories Corporation, New York, N. Y. Conductor. 2,045,126; June 23.

De Haven Razor Corporation. (See Pilliod, T. J., and Miller, assignors.)

De Hertelendy, Andor, Budapest, Hungary. Wind direction indicator. 2,045,521; June 23.

De Lancey, Warren H., Springfield, assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass. Electric ignition for burners. 2,045,178; June 23.

De Laval Separator Company. (See Beskow, Stig, assignor.)

De Laval Separator Company, The. (See Erling, Sven J., assignor.)

Dell, Frank C., assignor to Autopoint Company, Chicago, Ill. Pencil plunger. 2,044,972; June 23.

Deloraine, Edmund M. (See Chereau, L. N., Beloraine, Guilbaud, Smets, and Van Mierlo.)

Delta Manufacturing Company, The. (See Ttautz, Herbert E., assignor.)

De Luxe Laboratories, Inc. (See Freedman, A. E., and Zimmermann, assignors.)

Deppe, Frank. (See Hohnkohl, C. J., and Deppe.)

Desoutter, Charles, London, England. Electric motor. 2,045,218; June 23.

Desoutter, Charles, London, England. Electric motor. 2,045,219; June 23.

Deutsch, Arnold, et al. (See Deutsch, E., and Werner, assignors.)

Deutsch, Emery, Richmond Hill, and E. Werner, New York, assignors of twenty-two and one-half per cent to A. Deutsch, Richmond Hill, twenty-two and one-half per cent to L. Werner and ten per cent to M. Brown, New York, N. Y. Automobile top and operating means therefor. 2,045,344; June 23.

Devol, Lee, Forest Hills, Pa., and A. M. Cravath, Berkeley, Calif., assignors to The Union Switch & Signal Company, Swissvale, Pa. Apparatus for the control of railway train brakes. 2,045,522; June 23.

Devor, William R. (See Haag, I. L., and Devor.)

Dexter, C. H., & Sons, Incorporated. (See Osborne, Fay H., assignor.)

Diebold, Anton, Newark, assignor to American Gasaccumulator Company, Elizabeth, N. J. Electric switch control means. 2,045,127; June 23.

Dietle, Thomas S., Pawhuska, Okla. Draw works. 2,045,220; June 23.

Dillon, John H., and R. W. Allen, assignors to The Firestone Tire & Rubber Company, Akron, Ohio. Plastometer. 2,045,548; June 23.

Dimond, Thomas L., Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,045,450; June 23.

Ditto Incorporated. (See Hernlund, J. W., and Jagger, assignors.)

Ditto, Incorporated. (See Marchev, Alfred, assignor.)

Dodge, Adiel Y., assignor to Bendix Brake Company, South Bend, Ind. Brake. 2,044,973; June 23.

Donaldson, Robert R., Jr., Pittsburgh, assignor to J. M. Hopwood, Dormont, Pa. Receiving regulator and control apparatus therefor. 2,044,936; June 23.

Dopyera, Rudolph, Los Angeles, Calif. Stringed musical instrument. 2,045,265; June 23.

Doring Company. (See Doring, Max B. A., assignor.)

Doring, Max B. A., Brooklyn, assignor to Doring Company, Inc., New York, N. Y. Rolling pressure brake and clutch. 2,045,179; June 23.

Douglas, Charles E., Grand Rapids, Mich. Combined tee and ball lifter. 2,044,838; June 23.

Douglas, Harry A., Bronson, Mich. Connecting means. 2,044,974; June 23.

Douthwaite, Guy, Los Angeles, Calif. Sound system. 2,045,180; June 23.

Dow Chemical Company, The. (See Murch, Wilfred M., assignor.)

Down, Sidney G., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake controlling device. 2,045,181; June 23.

Dreifus, Ernest L., Sacramento, Calif. Dry concentrator. 2,044,775; June 23.

Dreyer, Ulrich. (See Lange, W., and Dreyer.)

Dreyfus, Camille, New York, N. Y., and G. Schneider, Montclair, N. J., assignor to Celanese Corporation of America. Making organic esters of cellulose. 2,044,776; June 23.

Dreyfus, Henry, London, England. Manufacture of cellulose products. 2,045,345; June 23.

Dreyfus, Henry, London, England. Production of threads and the like. 2,045,347; June 23.

Dreyfus, Henry, London, England. Manufacture of films, foils, and the like containing cellulose derivatives. 2,045,348; June 23.

Dreyfus, Henry, London, and W. I. Taylor, Spondon, near Derby, England, assignors to Celanese Corporation of America. Manufacture of artificial silk and other artificial products. 2,045,346; June 23.

Driice Appliances Incorporated. (See Quinn, Clara E., assignor.)

Duffy, Terence A., Philadelphia, Pa. Automobile exhaust muffler. 2,044,839; June 23.

Dunlop Rubber Company. (See Willshaw, H., Twiss, Goodhall, and Jones, assignors.)

Dunn, George B., Miami, Fla. Register. 2,045,221; June 23.

Du Pont, E. I., de Nemours & Company. (See Calcott, W. S., Tisdale, and Flenner, assignors.)

Du Pont, E. I., de Nemours and Company. (See Habanan, Marion L., assignor.)

Du Pont, E. I., de Nemours & Company. (See Heckert, Winfield W., assignor.)

Du Pont, E. I., de Nemours & Company. (See Lulek, R. N., and Belcher, assignors.)

Du Pont, E. I., de Nemours & Company. (See Tisdale, W. H., and Bake, assignors.)

Du Pont Rayon Company. (See Renfroe, James D., assignor.)

Durafer (Inc.) (See Sargent, William D., assignor.)

Duro Metal Products Company. (See Hedgpeth, Theron L., assignor.)

Dykstra, George, assignor to Trico Products Corporation, Buffalo, N. Y. Motor vehicle and windshield cleaner therefor. 2,045,128; June 23.

Eagle Pencil Company. (See Hanle, Benjamin W., assignor.)

Eastman Kodak Company. (See McNally, J. G., and Beach, assignors.)

Ehle, Paul W., Syracuse, N. Y. Apparatus for cooling and aerating liquids. 2,045,009; June 23.

Eisler Electric Corporation. (See Laise, Clemens A., assignor.)

Eitzen, August D., assignor to News Projection Corporation, New York, N. Y. Tape drawing device. 2,045,536; June 23.

Eitzen, August D., Flushing, assignor to News Projection Corporation, New York, N. Y. Stock quotation projecting machine. 2,045,537; June 23.

Eitzen, August D., Rockville Centre, assignor to News Projection Corporation, New York, N. Y. Stock quotation projecting machine. 2,045,538; June 23.

Eitzen, August D., Rockville Centre, assignor to News Projection Corporation, New York, N. Y. Tape drawing device. 2,045,539; June 23.

Elberty, Robert S., Jr., Wilkinsburg, Pa., assignor, by mesne assignments, to The American Laundry Machinery Company. Control system. 2,045,381; June 23.

Eldridge, Hilliary, deceased, by M. K. Eldridge, administratrix, Oakland, Calif. Aluminum furnace. 2,045,073; June 23.

Eldridge, Martha K., administratrix. (See Eldridge, Hilliary.)

Electrolux Corporation. (See Carlstedt, Fredrik, assignor.)

Elmendorf, Armin, Winnetka, Ill. Flexible wood flooring. 2,045,382; June 23.

Elze, Walter C., Forest Hills, N. Y., and J. W. Davitt, Jersey City, N. J., assignors to Hauck Manufacturing Company, Brooklyn, N. Y. Machine for producing paving aggregates. 2,045,451; June 23.

Emrick, George W., Brooklyn, N. Y. Clutch. 2,045,452; June 23.

Emrick, George W., Brooklyn, N. Y. Making friction clutch elements. 2,045,453; June 23.

Engineering and Research Corporation, The. (See Haugh, H. A., Jr., Geer, and Stirlen, assignors.)

Engineering and Research Corporation, The. (See Kelly, Frederick G., Jr., assignor.)

Erling, Ralph, Alexandria, Va. Pressure control valve for fluid operated mechanism. 2,044,777; June 23.

Erling, Sven J., Nockeby, Sweden, assignor to The De Laval Separator Company, New York, N. Y. Combination pneumatic pulsator and milk claw. 2,045,454; June 23.

Ern, Robert, The Hague, Netherlands. Safety razor and blade. 2,045,222; June 23.

Espenschied, Lloyd, Kew Gardens, N. Y., assignor to American Telephone and Telegraph Company. Altimeter for aircraft. 2,045,071; June 23.

Espenschied, Lloyd, Kew Gardens, N. Y., assignor to American Telephone and Telegraph Company. Measuring altitude of aircraft. 2,045,072; June 23.

Euclid Road Machinery Company, The. (See Armington, Arthur P., assignor.)

Eustis, Warner, Newton, and J. E. Noonan, Walpole, assignors to The Kendall Company, Boston, Mass. Cotton fabric and process. 2,044,937; June 23.

Evans, Clyde P., St. Louis, Mo. Adding machine. 2,044,975; June 23.

Evans, Edwin R., Chicago, Ill. Free wheeling device with automatic control. 2,044,901; June 23.

Evans, Howell G., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Physician's cabinet or the like. 2,045,264; June 23.

Everitt, B. F. (See Winter, Harry L., assignor.)

Excel Auto Radiator Company. (See Sperry, Philmore F., assignor.)

Eynon, Harold G., Philadelphia, Pa. Machine for filling and sealing paper bags. 2,044,879; June 23.

Fabbriche Riunite Industria Gomma Torino, et al. (See Lagnidara, Rocco, assignor.)

Faber, Eberhard, Pencil Co. (See Woessner, John J., assignor.)

Faber, Guy S., assignor to General Regulator Corporation, Chicago, Ill. Propeller. 2,045,383; June 23.

Fairbanks, E. and T., Company. (See Howard, Alfred C., assignor.)

Fairbanks, Morse & Company. (See Renken, H. J., assignor and Thieman.)

Farmer, Clyde C., Pittsburgh, and E. E. Hewitt, Edgewood, assignors to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,045,182; June 23.

Farrand, Clair L., Larchmont, assignor to United Research Corporation, Long Island City, N. Y. Printing. 2,045,129; June 23.

Fassler, Peter W., Detroit, Mich. One-face resistance welding machine. 2,045,523; June 23.

Fasting, Johan S., Valby, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y. Apparatus for the treatment of slurry-like materials. 2,044,976; June 23.

Faultless Rubber Company, The. (See Miller, Thomas W., assignor.)

Fehrmann, Walter A., Vedado, Habana, Cuba. Pneumatic jack. 2,045,524; June 23.

Feldman, Jacques, assignor to the firm of J. R. Geigy, A. G., Basel, Switzerland. Mercerizing liquors. 2,045,074; June 23.

Felix, Friedrich, and W. Huber, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Azodyestuffs. 2,045,323; June 23.

Felix, Friedrich, and W. Huber, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Azodyestuffs. 2,045,324; June 23.

Fenger, Frederic, assignor to Armour and Company, Chicago, Ill. Production of liver extract. 2,045,266; June 23.

Fenske, Merrell R., Pennsylvania State College, Pa. Conversion of alcohols to ethers. 2,045,560; June 23.

Ferenci, Lester, Brooklyn, N. Y., assignor to American Machine & Foundry Company. Loaf feeding attachment for bread wrapping machines. 2,044,902; June 23.

Ferranti Inc. (See Prince, John, assignor.)

Ferrell, Lewis D., Cleveland, Ohio. Valve reseating tool. 2,044,938; June 23.

Fidelity Machine Company. (See Blaisdell, Sidney B., assignor.)

Firestone Tire & Rubber Company, The. (See Dillon, J. H., and Allen, assignors.)

Firestone Tire & Rubber Company, The. (See Held, Edward L., assignor.)

Firestone Tire & Rubber Company, The. (See Saurer, Curt, assignor.)

Firestone Tire & Rubber Company, The. (See Stevens, Horace D., assignor.)

Firestone Tire and Rubber Company, The. (See Williamson, G. A., Holmes, and Blackwood, assignors.)

Fix, Earl L., New Kensington, Pa., assignor to Pittsburgh Plate Glass Company. Safety glass. 2,045,130; June 23.

Flenner, Albert L. (See Calcott, W. S., Tisdale, and Flenner.)

Fletcher, Ben G. (See Sellman, Robert W., assignor.)

Flint, George W., assignor to Standard Oil Company, Chicago, Ill. Polish. 2,045,455; June 23.

Flood, Malcolm L., Oceanside, assignor to International Communications Laboratories, Inc., New York, N. Y. Hand tape gummer. 2,044,840; June 23.

Florman, Irving, New York, N. Y. Cigarette lighter. 2,045,456; June 23.

Fluegelman, Max. (See Kalvin, Louis, assignor.)

Fowle, Irving H., Dorchester, Mass., assignor, by mesne assignments, to William R. Warner & Co., Inc., New York, N. Y. Frozen confection package. 2,045,183; June 23.

Frankenberg, Ludwig, et al. (See Kaufmann, Johanna, assignor.)

Franklin Process Company. (See Wood, John M., assignor.)

Fredberg, Carl. (See Fredberg, Hugo, and C.)

Fredberg, Hugo and C. Fredberg, Chicago, Ill. Meat packing. 2,044,841; June 23.

Freedman, Alan E., and A. Zimmermann, assignors to De Luxe Laboratories, Inc., New York, N. Y. Continuous film printing machine. 2,045,549; June 23.

Frick, William H., Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Top and flue for ranges. 2,045,075; June 23.

Friden, Carl M. F., Oakland, assignor to Marchant Calculating Machine Company, Emeryville, Calif. Calculating machine. 2,044,977; June 23.

Frost, Paul. (See Lingg, A., and Frost.)

Fuehrer, George H., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Steel retainer. 2,045,296; June 23.

Furness, John A., Bromley, England. Adjustment of braking mechanism for automobiles and other vehicles. 2,045,223; June 23.

Gabritsch, Martin, Canon City, Colo. Lighter. 2,045,457; June 23.

Gaisman, Henry J., Hartsdale, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass. Safety razor blade. 2,045,184; June 23.

Garrison, Forrest C., assignor to The Oscar C. Rixson Co., Chicago, Ill. Door check and closer. 2,045,076; June 23.

Garson, Thorvald N. (See Brown, Donald, assignor.)

Gary, Wright W., Great Neck, N. Y., and J. T. Ward, Westfield, assignors to Gasoline Products Company, Inc., Newark, N. J. Treatment of hydrocarbon oils. 2,045,458; June 23.

Gasoline Products Company. (See Gary, W. W., and Ward, assignors.)

Geer, Charles D. (See Haugh, H. A., Jr., Geer, and Stirlen.)

Geigy, J. R., A. G. (See Conzetti, Achille, assignor.)

Geigy, J. R., A. G. (See Feldmann, Jacques, assignor.)

Gély, André, Paris, France. Cock with rotary continuous distributor for machines to fill bottles with liquid under pressure. 2,045,977; June 23.

General Aniline Works, Inc. (See Herz, R., and Brunner, assignors.)

General Aniline Works, Inc. (See Krauss, C., and Hagenböcker, assignors.)

General Aniline Works, Inc. (See Krauss, K., and Hagenböcker, assignors.)

General Aniline Works, Inc. (See Lange, W., and Dreyer, assignors.)

General Aniline Works, Inc. (See Muench, E., and Wimmer, assignors.)

General Aniline Works, Inc. (See Schindhelm, Hans, assignor.)

General Aniline Works, Inc. (See Wolff, P., and Werner, assignors.)
General Aniline Works, Inc. (See Zerweck, Werner, assignor.)
General Electric Company. (See Bergmans, Jan, assignor.)
General Electric Company. (See Ogden, H. S., and Casby, assignors.)
General Electric Company. (See Radloff, Johannes, assignor.)
General Electric Company. (See Skinner, Charles K., assignor.)
General Electric Company. (See Woodruff, Henry S., assignor.)
General Electric Company Limited, The. (See Simms, Charles H., assignor.)
General Household Utilities Company. (See Kenney, M. W., and Constantine, assignors.)
General Manganese Corporation. (See MacCarthy, John D., assignor.)
General Motors Corporation. (See Almen, John O., assignor.)
General Motors Corporation. (See Almen, J. O., and Gove, assignors.)
General Motors Corporation. (See Almen, J. O., and Lazzio, assignors.)
General Motors Corporation. (See Boegehold, A. L., Schluchter, and Terry, assignors.)
General Motors Corporation. (See Gove, W. D., and Almen, assignors.)
General Motors Corporation. (See Keller, C. J., and Holmes, assignors.)
General Motors Corporation. (See Newill, Edward B., assignor.)
General Motors Corporation. (See Smith, Harry F., assignor.)
General Regulator Corporation. (See Faber, Guy S., assignor.)
Gerb, William, Berlin, Germany. Producing insulating mats. 2,045,384; June 23.
Gerdes, Francis L. (See Bennett, C. A., and Gerdes.)
Gerhard, Ernst, Berlin, Germany, assignor to N. V. Machinerieen-en Apparaten Fabricken "Meaf", Utrecht, Netherlands. Duplex communication system. 2,045,224; June 23.
Getaz, James L., Maryville, Tenn., assignor to Scott & Williams, Incorporated, New York, N. Y. Two-color lap stripe mechanism. 2,045,459; June 23.
Gilbert & Barker Manufacturing Company. (See De Lancey, Warren H., assignor.)
Gillette Safety Razor Company. (See Gaisman, Henry J., assignor.)
Giordano, Michael G., Providence, R. I. Clutch mechanism. 2,045,131; June 23.
Girard, André, and G. Sandulesco, assignors to Les Laboratoires Francais de Chimiotherapie, Paris, France. Retaines and preparing the same. 2,045,132; June 23.
Glaser, John M., assignor to U. S. Hame Company, Buffalo, N. Y. Hame. 2,044,939; June 23.
Glasgow, Loren B., Gunnison, Colo. Headrest extension for barber chairs. 2,045,225; June 23.
Glass, Paul. (See Lichte, H., Zeh, Glass, and Schwartz.)
Goepfrich, Rudolph A., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,045,010; June 23.
Goetz, Carl, Berlin, Germany. Extracting metals from ores. 2,045,226; June 23.
Goetz, Wilhelm, assignor to C. & G. Manufacturing Company, Inc., Providence, R. I. Brooch and the like. 2,045,385; June 23.
Goewey, Harold W., Baltimore, Md. Game. 2,045,460; June 23.
Goldberg, Maximilian M., assignor to The National Cash Register Company, Dayton, Ohio. Accounting machine. 2,044,842; June 23.
Gonnard, Julien, Marseilles, France. Automatic safety switching device. 2,045,133; June 23.
Goodhall, Sydney N. (See Willshaw, H., Twiss, Goodhall, and Jones.)
Goodman, John S., Wichita Falls, Tex., assignor of one-half to G. H. Hamill, Grandfield, Okla. Plow depth gauge. 2,045,461; June 23.
Goodman, Leo A., Brooklyn, N. Y., assignor to Visking Corporation, Chicago, Ill. Reenforced hydrated cellulose container. 2,045,349; June 23.
Goodman Manufacturing Company. (See Cartlidge, Frank, assignor.)
Goodrich, B. F., Company, The. (See Waner, Harry E., assignor.)
Gorke, Herbert. (See Overdick, F., and Gorke.)
Gorton, Clyde B., assignor to C. B. McClellan, Chicago, Ill. Coin chute. 2,044,843; June 23.
Gottschalk, Frederick P., Plainfield, N. J. Stationary blade for lawn mowers. 2,045,386; June 23.
Goulds Pumps, Inc. (See Mann, John, assignor.)
Government and The People of the United States of America, The. (See Bennett, C. A., and Gerdes, assignors.)
Government of the United States, The, represented by the Secretary of Commerce. (See Conn, Wallace T., assignor.)
Government of the United States, The, represented by the Secretary of Commerce. (See Isbell, Horace S., assignor.)
Gove, Winfield D. (See Almen, J. O., and Gove.)
Gove, Winfield D., Detroit, and J. O. Almen, Royal Oak, assignors to General Motors Corporation, Detroit, Mich. Servomotor mechanism. 2,045,559; June 23.
Graham, James H., Torrington, Conn. Knitting needle. 2,045,267; June 23.
Graham, James H., Torrington, Conn. Knitting needle. 2,045,268; June 23.
Grasselli Chemical Company, The. (See Haag, I. L., and Devor.)
Grasselli Chemical Company, The. (See Kannel, Charles, assignor.)
Grasselli Chemical Company, The. (See Lemmerman, P. C., and Schweitzer, assignors.)
Grasselli Chemical Company, The. (See Peirce, G. A., assignor.)
Grasselli Chemical Company, The. (See Sheibley, Fred E., assignor.)
Graves, John B. Jr., assignor to The Murray Company, Dallas, Tex. Buckle. 2,045,078; June 23.
Gray, Russell J., Minneapolis, Minn. Grease gun filler. 2,045,297; June 23.
Green, Charles W., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 2,045,325; June 23.
Green, James B., and J. M. Rathmell, assignor by mesne assignments, to Western-Austin Company, Aurora, Ill. Elevating grader. 2,045,387; June 23.
Gregory, Louis W. (See Roberts, R. P., Johnson, and Gregory.)
Greve, Herman L., Hollis, assignor to International Mailing Tube and Wrapper Company, Long Island, N. Y. Carton. 2,044,979; June 23.
Greve, Herman L., Hollis, assignor to International Mailing Tube and Wrapper Company, Long Island City, N. Y. Carton. 2,044,980; June 23.
Greve, Louis W., Cleveland, and J. C. Curtis, Garfield Heights, assignors to The Cleveland Rock Drill Company, Cleveland, Ohio. Drilling apparatus. 2,044,880; June 23.
Griesel, Heinrich, Berlin, Germany. Construction of buildings. 2,044,844; June 23.
Grieshaber, Eugene, Glendale, N. Y. Automobile door control. 2,044,903; June 23.
Griffin, Harold H., Ridgewood, and A. Burgeni, East Orange, N. J., assignors to Wallwood Corporation, New York, N. Y. Reducing the shrinkage of wood. 2,045,350; June 23.
Griffith, Alan A. (See Helmore, W., and Griffith.)
Griswold, Walter R., assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 2,045,011; June 23.
Gronauer, Max H., Memphis, Tenn. Collar holder. 2,045,462; June 23.
Gross, Howard H. (See Manley, R. E., McCarty, and Gross.)
Guerriero, Anthony, Brooklyn, N. Y. Piston ring and spring. 2,044,845; June 23.
Guilband, Lucien R. (See Cherean, L. N., Deloraine, Guilband, Smets, and Van Mierlo.)
Guinivan, Francis A., Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Last. 2,045,541; June 23.
Gulf Research & Development Company. (See Hassler, Gerald L., assignor.)
Gulf Research & Development Company. (See Kamler, Emory N., assignor.)
Guthrie, James M., Pittsburgh, assignor of one-third to J. C. Keaney, Mount Lebanon, Pa. Bottle. 2,045,388; June 23.
Guttmann, Solomon, Minneapolis, Minn. Grading and sorting machine. 2,044,981; June 23.
Haag, Ivan L., Lakewood, and W. R. Devor, East Cleveland, assignors to The Grasselli Chemical Company, Cleveland, Ohio. Prepnration of a soluble phosphate. 2,044,940; June 23.
Haas, Martin F., Wilkes-Barre, Pa. Equipment for spinning machinery. 2,045,079; June 23.
Hagedorn, Max, Dessau-in-Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y. Manufacture of molded articles. 2,045,080; June 23.
Hagenböcker, Alfred. (See Krauce, C., and Hagenböcker.)
Hagenböcker, Alfred. (See Krauss, K., and Hagenböcker.)
Hakenböcker, Alfred. (See Krauss, K., and Hagenböcker.)
Hainsworth, William R., Larchmont, N. Y., assignor, by mesne assignments, to Servel, Inc., Dover, Del. Refrigeration. 2,045,134; June 23.
Hall, Randolph F., Rochester, N. Y. Airplane. 2,045,463; June 23.
Halstead, Dorne N., Brooklyn, assignor to Johns-Manville Corporation, New York, N. Y. Pipe coating machine. 2,044,778; June 23.
Hamer, Florence H., executrix. (See Hamer, William D.)
Hamer, Lewis, Rutherford, N. J., and J. Jarmak, assignors to Scheuer and Company, New York, N. Y. Ornamental woven fabric. 2,044,846; June 23.
Hamer, William D. (See Chatfield, Clarence E., assignor.)
Hamill, George H. (See Goodman, John S., assignor.)
Hamill, William W., Four Oaks, England. Shock-absorbing steering wheel for automobiles. 2,045,227; June 23.
Hamilton Manufacturing Company. (See Evans, Howell G., assignor.)

Hanahan, Marion L., East Orange, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company. Titanium oxide pigment of fine texture. 2,044,941; June 23.
Hanle, Benjamin W., Elizabeth N. J., assignor to Eagle Pencil Company, New York, N. Y. Drafting compass. 2,045,298; June 23.
Hanney, Angus F., Norwood, assignor to American Laundry Machinery Company, Cincinnati, Ohio. Laundry assorting mechanism. 2,045,351; June 23.
Hanney, Angus F., Norwood, assignor to The American Laundry Machinery Company, Norwood, Ohio. Tandem control for presses. 2,045,353; June 23.
Hansgirg, Fritz, Radentheln, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa. Producing substantially pure magnesium. 2,045,352; June 23.
Hanson, Malcolm P., Bethesda, Md. High frequency collecting and radiating structures. 2,044,779; June 23.
Hanson, Soren S., assignor of forty percent to W. Olson, Brooklyn, N. Y., Muffler for internal combustion engines. 2,045,135; June 23.
Harber, Laurence S., and J. E. Pointon, Peterborough, England, assignors, by mesne assignments, to Baker Perkins Company, Incorporated, Saginaw, Mich. Manufacture of bread. 2,045,228; June 23.
Hardigg, William B., Washington, D. C. Explosive charge container and making same. 2,044,780; June 23.
Harley, Stanley J., Stivichall, Coventry, England. Slide bearing. 2,045,464; June 23.
Harries, John H. O., Frinton-on-the-Sea, England. Multielectrode tube apparatus. 2,045,526; June 23.
Harries, John H. O., Frinton-on-the-Sea, England. Producing and controlling a space discharge. 2,045,525; June 23.
Harries, John H. O., Frinton-on-Sea, England. Electron discharge tube. 2,045,527; June 23.
Harshberger, Norman P., Scarsdale, assignor to Bakelite Building Products Co., Inc., New York, N. Y. Shingle roof and material relating thereto. 2,044,781; June 23.
Harshberger, Norman P., Scarsdale, assignor to Bakelite Building Products Co. Inc., New York, N. Y. Roofing element. 2,044,782; June 23.
Harshberger, Norman P., Scarsdale, assignor to Bakelite Building Products Co., Inc., New York, N. Y. Shingle. 2,044,783; June 23.
Harshberger, Norman P., Scarsdale, assignor to Bakelite Building Products Co. Inc., New York, N. Y. Roofing and building material and creation of effect thereon. 2,044,784; June 23.
Harshberger, Norman P., Scarsdale, assignor to Bakelite Building Products Co. Inc., New York, N. Y. Strip of roofing materials. 2,044,785; June 23.
Harshberger, Norman P., Scarsdale, assignor to Bakelite Building Products Co. Inc., New York, N. Y. Curing building material. 2,044,786; June 23.
Harshberger, Norman P., Scarsdale, and S. A. Ochs, assignors to Bakelite Building Products Co. Inc., New York, N. Y. Building element. 2,044,787; June 23.
Harshberger, Norman P., Scarsdale, and S. A. Ochs, assignors to Bakelite Building Products Co. Inc., New York, N. Y. Roofing material and the like. 2,044,788; June 23.
Hart, Walter L., Milwaukee, Wis. Machine for translating semifluids and comminuted solids. 2,045,081; June 23.
Hartbauer, August W. L., Chicago, Ill. Weather strip retainer. 2,044,881; June 23.
Hassler, Gerald L., Pittsburgh, Pa., assignor to Gulf Research & Development Company, Wilmington, Del. Breaking emulsions and apparatus for carrying out such method. 2,045,465; June 23.
Hauck Manufacturing Company. (See Elze, W. C., and Davitt, assignors.)
Haugh, Henry A., Jr., C. D. Geer, and E. D. Stirlen, assignors to The Engineering and Research Corporation, New Haven, Conn. Traffic actuated signal system. 2,045,136; June 23.
Haven, Glenn V., Minneapolis, Minn. Container and liquid-tight liner therefor. 2,045,354; June 23.
Havener, Arthur R., Wayland, assignor to J. L. Thomson Manufacturing Company, Waltham, Mass. Riveting machine. 2,045,550; June 23.
Hays, Russell R., Encinitas, Calif. Pitch differential means for lifting propellers. 2,045,355; June 23.
Heatwole, John R., assignor to Snapp Foundry Inc., Winchester, Va. Brooder stove. 2,045,356; June 23.
Heckert, Winfield W., Ardentown, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company. Preparation of finely divided calcium sulphate. 2,044,042; June 23.
Hedgcock, William C., Wilmette, assignor to American Steel Foundries, Chicago, Ill. Truck. 2,045,299; June 23.
Hedgpeth, Theron L., Oak Park, assignor to Duro Metal Products Company, Chicago, Ill. Sanding machine. 2,044,982; June 23.
Hedgpeth, Theron L., Oak Park, assignor to Duro Metal Products Company, Chicago, Ill. Belt and pulley measuring apparatus. 2,044,983; June 23.
Heel Finisher, Inc. (See Lyon, Harry, assignor.)
Hefele, Edward J., assignor to Airplane and Marine Direction Finder Co., Lindenhurst, N. Y. Radio direction finding. 2,044,789; June 23.
Heffner, Lawrence L., assignor to Wm. E. Hooper & Sons Company, Baltimore, Md. Fabric for humidification of air and method of making. 2,045,137; June 23.
Hegnes, Peter J., Canton, S. Dak. Cornerib and granary. 2,045,082; June 23.
Heid, Edward L., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire building apparatus. 2,045,554; June 23.
Heisig, Max, Brooklyn, N. Y. Sanitary doorknob. 2,044,904; June 23.
Hellbach, Rudolph, Washington, D. C. Apparatus for heating at controlled temperatures. 2,045,466; June 23.
Helmore, William, and A. A. Griffith, Hampshire, assignors to H. M. Hobson (Aircraft and Motor) Components Limited, London, England. Induction system for internal combustion engines. 2,045,389; June 23.
Hemphill Company. (See Baugh, John H., assignor.)
Henderson, Rose B. (See Schlemmer, Phil G., assignor.)
Henderson, Wesley B., Cuba, Ill. Aileron control system for aeroplanes. 2,045,269; June 23.
Henry, Robert H., assignor to Simonds Worden White Company, Dayton, Ohio. Beating engine. 2,044,847; June 23.
Hensel, Franz R., assignor to P. R. Mallory & Co., Incorporated, Indianapolis, Ind. Alloys. 2,045,138; June 23.
Hermanson, James S., Seattle, Wash. Snake handle. 2,044,848; June 23.
Herniund, John W., La Grange, and H. Jagger, assignors to Ditto Incorporated, Chicago, Ill. Duplicating machine. 2,044,984; June 23.
Herr, Henry C., Buffalo, N. Y., assignor to Herr Manufacturing Company, Inc. Spinning ring for bar travelers. 2,045,012; June 23.
Herr Manufacturing Company. (See Herr, Henry C., assignor.)
Herz, Richard, and W. Brunner, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Dyestuff preparation. 2,044,790; June 23.
Hettrici Manufacturing Company, The. (See Smith, Milton B., assignor.)
Heuver, Herbert M. (See Kirsten, K. F. J., and Heuver.)
Hewitt, Ellis E. (See Farmer, C. C., and Hewitt.)
Hewitt, Ellis E., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,045,185; June 23.
Hexamer, Homer L., assignor to The Timken Roller Bearing Company, Canton, Ohio. Journal box construction. 2,044,905; June 23.
Hill, Joseph M., Cleveland, Ohio, assignor of one-half to H. S. Narten and R. J. Van Stone. Cooling or refrigerating body. 2,044,943; June 23.
Himberger, Earl W., Seattle, Wash. Portable pumping unit. 2,044,849; June 23.
Hiser, Noble M., Tucson, Ariz. Table. 2,045,467; June 23.
Hobson, H. M., (Aircraft and Motor) Components Limited. (See Helmore, W., and Griffith, assignors.)
Hochstetter, Frederick W., Pittsburgh, Pa. Colored and flameproofed material. 2,045,139; June 23.
Hoe, R., & Co. (See Tomlin, John R., assignor.)
Hoesel, Anthony F. (See Kritzer, R. W., and Hoesel.)
Hoffman Combustion Engineering Company. (See Hoffman, Jerome A., assignor.)
Hoffman, Edmund, Brooklyn, assignor to American Can Company, New York, N. Y. Spool and protector therefor. 2,044,791; June 23.
Hoffman, Jerome A., assignor to Hoffman Combustion Engineering Company, Detroit, Mich. Fuel distributing means for stokers. 2,045,357; June 23.
Holmberg, Oscar F., Chicago, Ill. Brush holder. 2,044,985; June 23.
Holmes, John Q. (See Keller, C. J., and Holmes.)
Holmes, Percy. (See Williamson, G. A., Holmes, and Blackwood.)
Honsel, Fritz, Milan, Italy. Combined electrical and key operated lock. 2,045,186; June 23.
Hood Rubber Company. (See Blackall, James D., assignor.)
Hooker Electrochemical Company. (See Rowland, Jasper M., assignor.)
Hooper, Wm. E., & Sons Company. (See Heffner, Lawrence L., assignor.)
Hoover Company, The. (See Carlson, Vernon E., assignor.)
Hoover Company, The. (See Cummings, S. R., and Mummery, assignors.)
Hoover Company, The. (See Hoover, Howard E., assignor.)
Hoover, Howard E., Glencoe, Ill., assignor to The Hoover Company, North Canton, Ohio. Suction cleaner. 2,045,270; June 23.
Hopkins, Alva R., Merchantville, N. J., assignor to Radio Corporation of America. Volume monitoring control. 2,045,271; June 23.
Hornkohl, Carl J., and F. Deppe, assignors to Ackles-Hornkohl Company, Chicago, Ill. Icing mechanism. 2,045,272; June 23.
Horton, Erwin C., Hamburg, and H. Hueber, assignors to Trico Products Corporation, Buffalo, N. Y. Twin motored windshield cleaner. 2,045,140; June 23.

Horton, Erwin C., Hamburg, and H. Hueber, assignors to Trico Products Corporation, Buffalo, N. Y. Windshield wiper blade. 2,045,141; June 23.

Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Suction producing muffler. 2,045,142; June 23.

Horton, Erwin C., Hamburg, assignor to Trico Products Corporation, Buffalo, N. Y. Windshield cleaner. 2,045,143; June 23.

Horton, William M., Sewickley, Pa., assignor to Pittsburgh Screw & Bolt Corporation. Metal-extruding die. 2,044,986; June 23.

Horvath, Artemy A., Newark, Del., assignor to Wilmington Fibre Specialty Company. Insulating composition. 2,045,468; June 23.

Hough, William S., Kokomo, Ind. Electrode housing. 2,045,229; June 23.

House, Charles R., Klamath Falls, Oreg. Automatic brake mechanism. 2,044,944; June 23.

Howard, Alfred C., Beloit, Wis., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Mercury tube electric circuit closer. 2,044,882; June 23.

Howard, Stanley R., Milton, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Packaging machine. 2,045,230; June 23.

Howe, Andrew F., University City, assignor to United Wood Heel Company, St. Louis, Mo. Machine for making wood heels. 2,045,390; June 23.

Howland, Herbert H., Jeffersonville, Ind. Illuminated case for toilet articles. 2,045,013; June 23.

Hoyle, Joseph L., Hartford, Conn. Fountain pen. 2,044,792; June 23.

Huber, Wilhelm. (See Felix, F., and Huber.)

Huddle, Edwin F., Rockford, Ill., assignor to J. I. Case Company, Racine, Wis. Grain binder. 2,045,144; June 23.

Hueber, Henry. (See Horton, E. C., and Hueber.)

Hueter, Richard. (See Schrauth, W., and Hueter.)

Hughes, Dow B. (See Thompson, H. G., and Hughes.)

Hughes-Mitchell Processes, Incorporated. (See Mitchell, Thomas A., assignor.)

Hulick, Henry. (See Massey, A., and Hulick.)

Humbard, Robert L., Lake Arrowhead, Calif. Doser. 2,044,945; June 23.

Hurd, Thomas E., Glendale, Calif. Lawn mower sharpener. 2,045,187; June 23.

Hydraulic Press Corporation, The. (See MacMillin, Howard F., assignor.)

I. G. Farbenindustrie Aktiengesellschaft. (See Kleine, J., Pfannenstiel, and Matthaes, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Koerding, P., Schoeller, and Ulrich, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Kollek, L., and Jahrstorfer, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Noerr, H., and Mauthe, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Overdick, F., and Gorke, assignors.)

I. G. Farbenindustrie Aktiengesellschaft. (See Theis, Erich, assignor.)

Iddings, Carl, Staten Island, and J. N. Kennedy, Brooklyn, N. Y., assignors to The Muralo Company, Inc. Preventing foam. 2,045,551; June 23.

Illig, Walter E., assignor to Banner Iron Works, St. Louis, Mo. Cover for manhole frames or the like. 2,045,083; June 23.

Imperial Chemical Industries Limited. (See Tyrer, Daniel, assignor.)

Ingersoll-Rand Company. (See Fuehrer, George H., assignor.)

Ingersoll-Rand Company. (See Woodard, George H., assignor.)

International Business Machines Corporation. (See Bryce, James W., assignor.)

International Business Machines Corporation. (See Bryce, James W., assignor.)

International Business Machines Corporation. (See Daly, George F., assignor.)

International Communications Laboratories, Inc. (See Flood, Malcolm L., assignor.)

International Mailing Tube and Wrapper Company. (See Greve, Herman L., assignor.)

International Standard Electric Corporation. (See Chereau, L. N. Deloraine, Guilbaud, Smets, and Van Mierlo, assignors.)

Irving Trust Company (trustee). (See Tomlin, John R.)

Isbell, Horace S., Washington, D. C., assignor to the Government of the United States represented by the Secretary of Commerce. Crystallizing calcium salts of aldonic acids and resulting products. 2,044,793; June 23.

Ishidate, Morizo. (See Asahina, Y., and Ishidate.)

Jackman, Fred W., Beverly Hills, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y. Producing composite pictures. 2,045,084; June 23.

Jackson, Corwill, Ludington, Mich. Paving machine. 2,044,883; June 23.

Jacobus, David S., Montclair, N. J., and W. A. Jones, West New Brighton, N. Y., assignors to The Babcock & Wilcox Company, Bayonne, N. J. Superheater boiler. 2,045,145; June 23.

Jagger, Hubert. (See Hernlund, J. W., and Jagger.)

Jahrstorfer, Michael. (See Kollek, L., and Jahrstorfer.)

Jarmak, Jack. (See Hamer, L., and Jarmak.)

Jarvis, Stuart L., London, England. Apparatus for playing a new game. 2,044,906; June 23.

Jeandron, Howard T., Hackettstown, N. J., and A. R. Morton, Brooklyn, assignors to Western Electric Company, Incorporated, New York, N. Y. Communication system. 2,045,146; June 23.

Johns-Manville Corporation. (See Cummins, A. B., Badollet, and Miller, assignors.)

Johns-Manville Corporation. (See Halstead, Dorne N., assignor.)

Johns-Manville Corporation. (See Pond, Thomas C., assignor.)

Johns-Manville Corporation. (See Voigt, P. A., and Rogers, assignors.)

Johnson, Edgar B. (See Roberts, R. P., Johnson, and Gregory.)

Johnson, George W., Cincinnati, assignor to The American Laundry Machinery Company, Norwood, Cincinnati, Ohio. Pressing machine. 2,045,358; June 23.

Johnson, Henry A., et al. executors. (See Johnson, Henry T.)

Johnson, Henry T., deceased, by H. A. Johnson, Putney, and E. M. Perring, Richmond, England, executors. Self-supporting bag for golf-sticks and other stick-like articles. 2,045,147; June 23.

Johnson & Johnson. (See Jordan, John T., assignor.)

Johnson Service Company. (See Otto, Carl A., assignor.)

Johnston, Edward A., Chicago, Ill. Razor blade stropper and honer. 2,044,850; June 23.

Jones, Frederick A. (See Willshaw, H., Twiss, Goodhall, and Jones.)

Jones, Robert M., Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass. Lap winding machine. 2,045,469; June 23.

Jones, William A. (See Jacobus, D. S., and Jones.)

Jordan, John T., Chicago, Ill., assignor to Johnson & Johnson, New Brunswick, N. J. Reversible athletic supporter. 2,045,470; June 23.

Joyce, Lyndon W., Greensboro, N. C. Assembling machine for stitching together fabric pieces. 2,045,188; June 23.

Judd, Harold J., assignor to The United Glass Bottle Manufacturers Limited, London, England. Flowerpot. 2,045,189; June 23.

Kahlisch, Gustav. (See Reiners, W., and Kahlisch.)

Kahn, Leo M., New York, N. Y. Multiple laundry press. 2,045,148; June 23.

Kali-Chemie, Aktiengesellschaft. (See Rüsberg, Friedrich, assignor.)

Kalvin, Louis, assignor to M. Fluegelman, New York, N. Y. Adjustable hat form. 2,045,231; June 23.

Kampschulte, Josef, Osnabruck, Germany, assignor to H. A. Richardson, New York, N. Y. Steam washing machine. 2,045,085; June 23.

Kannel, Charles, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Leather tanning. 2,044,946; June 23.

Kasen, Daniel, assignor of one-half to L. A. Kasen, Newark, N. J. Producing molded articles from casein. 2,045,471; June 23.

Kasen, Louis A. (See Kasen, Daniel, assignor.)

Kästner, Alfred, Berlin-Lichterfelde, Germany. Elastic clutch. 2,045,086; June 23.

Kath, Alfred W., assignor to Arthur Colton Company, Detroit, Mich. Clear wrapping and banding machine. 2,044,947; June 23.

Kattermann, Emil D., assignor to Swiss Knitting Company, Dover, N. J. Garment. 2,045,391; June 23.

Katz, Robert E., and W. S. Kline, Atlanta, Ga. Dress protector. 2,045,359; June 23.

Kaufman, Louis, et al. (See Soble, Sol, assignor.)

Kaufmann, Johanna, assignor to I. Strauss, Mulheim-on-the-Ruhr, and L. Frankenberg, Dusseldorf, Germany. Arrangement for the regular formation of characters. 2,045,360; June 23.

Kayser, Julius, & Company. (See Kovar, Charles R., assignor.)

Keney, Joseph C. (See Guthrie, James M., assignor.)

Kearney, Emily. (See Kearney, James and E.)

Kearney, James, and E., Chicago, Ill. Bird cage protector. 2,045,472; June 23.

Keillor, Joseph D., Aylmer, Ontario, Canada. Cleansing and deodorizing device for closet bowls. 2,045,473; June 23.

Keller, Clarence J., and J. Q. Holmes, Anderson, Ind., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich. Insulating machine. 2,045,087; June 23.

Keller, Cornelius H., San Francisco, Calif., assignor to Minerals Separation North American Corporation, New York, N. Y. Froth flotation concentration of ores. 2,044,851; June 23.

Keller, Kirk L., Creve Coeur, Mo., assignor to The Moto-Mower Co., Detroit, Mich. Mowing and spraying apparatus. 2,044,884; June 23.

Kellner, Gustav, Munich, Germany. Collapsible tube. 2,045,190; June 23.

Kelly, Frederick G., Jr., assignor to The Engineering and Research Corporation, New Haven, Conn. Traffic control system and apparatus. 2,044,907; June 23.

Kemler, Emory N., Pittsburgh, Pa., assignor to Gulf Research & Development Company, Wilmington, Del. Dynamometer. 2,045,474; June 23.

Kendall Company, The. (See Donaldson, Robert R., Jr., Assignor.)

Kendall Company, The. (See Eustis W., and Noonan, assignors.)

Kennedy, Martin M., assignor to The Ohio Brass Company, Mansfield, Ohio. Transmission line support. 2,045,150; June 23.

Kennedy, Emmett F. (See Ahrens, H. A., Kennedy, and Nason.)

Kennedy, John N. (See Iddings, C., and Kelledy.)

Kenney, Nahlon, W., Chicago, and A. R. Constantine, River Forest, assignors to General Household Utilities Company, Chicago, Ill. Compressor. 2,045,014; June 23.

Kidd, Herbert A., assignor to The Mead Corporation, Chillicothe, Ohio. Paper machinery. 2,044,887; June 23.

Kientz, Joseph C., Jr., Carnegie, assignor to Superior Steel Corporation, Pittsburgh, Pa. Annealing steel and the like. 2,045,392; June 23.

Kilgore Mfg. Company, The. (See Richenbacher, Robert J., assignor.)

King, George D. (See Roos, C. K., and King.)

Kingsbury, Harry T., Keene, N. H. Sounding wheeled toy. 2,045,032; June 23.

Kinsella, Edward, Spondon, near Derby, England, assignor to Celanese Corporation of America. Manufacture of artificial filaments and similar materials. 2,045,326; June 23.

Kinzie, Charles J., Niagara Falls, N. Y., assignor to The Titanium Alloy Manufacturing Company, New York, N. Y. Metallurgical scavenger and making same. 2,044,908; June 23.

Kinzie, Phillip A., assignor to Universal Hydraulic Corporation, Denver, Colo. Valve control mechanism. 2,045,232; June 23.

Kirsten, Kurt F. J., and H. M. Heuver, Seattle, Wash. Propeller for aircraft. 2,045,233; June 23.

Kiseyalter, George G., New York, N. Y. Wind motor. 2,044,794; June 23.

Kissinger, George B., Takoma Park, Md. End closure for tile blocks. 2,045,033; June 23.

Kitchen Art Foods, Inc. (See Lorenzen, Heinz G., assignor.)

Kleine, Johannes, H. Pfannenstiel, and W. Matthaes, Dessau-in-Anhalt, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Spinning artificial silk. 2,044,885; June 23.

Kline, William S. (See Katz, R. E., and Kline.)

Knight, Herbert M., Upper Montclair, N. J. Harbor. 2,044,795; June 23.

Koch, Winfield R., Camden, N. J., assignor to Radio Corporation of America. Radio receiving system. 2,045,300; June 23.

Koch, Winfield R., Camden, N. J., assignor to Radio Corporation of America. Combined noise suppresser and tuning indicator. 2,045,542; June 23.

Koerding, Paul, C. Schoeller, and H. Ulrich, Ludwigshafen-on-the-Rhine, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Production of sulphuric derivatives of fatty acid compounds. 2,045,015; June 23.

Kollek, Leo, Ludwigshafen-on-the-Rhine, and M. Jahrstorfer, Mannheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Dressing and polishing agents. 2,045,393; June 23.

Koppe, Alexander T., New York, N. Y. Adjustable plate cylinder for printing presses. 2,045,151; June 23.

Kovar, Charles R., Richmond Hill, assignor to Julius Kayser & Company, Brooklyn, N. Y. Knitted fabric glove and manufacturing the same. 2,044,909; June 23.

Kraenter, Arthur A., South Orange, N. J., assignor to The Kroydon Co., Inc. Golf club joint. 2,045,273; June 23.

Kramer, Ernst, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany. Electric indicator for comparing field intensities. 2,044,852; June 23.

Krauss, Carl, Frankfort-on-the-Main-Fechenheim, and A. Hagenböcker, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Lenco vat dyestuff paste for printing cloth. 2,045,477; June 23.

Krauss, Karl, Frankfort-on-the-Main-Fechenheim, and A. Hagenböcker, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Stable reduction compounds of the thioindigoide series and preparing them. 2,044,796; June 23.

Krauss, Karl, Frankfort-on-the-Main-Fechenheim, and A. Hagenböcker, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Stable reduction compounds of the 4,7,4',7'-tetraalkyl-5,5'-dihalogen-thio-indigos and preparing them. 2,045,475; June 23.

Krauss, Karl, Frankfort-on-the-Main-Fechenheim, and A. Hagenböcker, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Printing preparations and a process of printing with said preparations. 2,045,476; June 23.

Kreidler, Alfred, Stuttgart, Germany. Gradometer. 2,045,191; June 23.

Kritzer, Richard W., Chicago, Ill. Cooling units and combination air circulator and drip pan for the same. 2,045,528; June 23.

Kritzer, Richard W., and A. F. Hoesel, assignors to Peerless Ice Machine Company, Chicago, Ill. Combined cooling unit and drip pan. 2,045,529; June 23.

Kroydon Co., The. (See Kraenter, Arthur A., assignor.)

Krupp, Fried., Germaniawerft Aktiengesellschaft. (See Mohr, Karl, assignor.)

Kuehn, Paul M., assignor to The Bartlett Hayward Company, Baltimore, Md. Tank. 2,045,478; June 23.

Kuenhold, Otto J., Shaker Heights, Ohio. Valve. 2,045,088; June 23.

Kuhar, John M., Akron, Ohio. Safety knife. 2,045,192; June 23.

Kuhlman, Henry J., Oskaloosa, Iowa. Rake. 2,045,394; June 23.

Kundig, John J., New York, N. Y. Automatic light control. 2,045,274; June 23.

Kuntke, Alfred, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Device for heating incandescible cathodes. 2,045,034; June 23.

Kury, Philip J. (See Brewer, Charles A., assignor.)

Kyte, Charles E., and R. F. Reid, Santa Ana, Calif. Expansion joint. 2,045,089; June 23.

La Brie, Ludger E., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,044,989; June 23.

La Brie, Ludger E., assignor to Bendix Aviation Corporation, South Bend, Ind. Brake. 2,044,990; June 23.

La Brie, Ludger E., and A. Rosner, assignors to Bendix Brake Company, South Bend, Ind. Brake. 2,044,988; June 23.

Laemmel, Charles A., assignor to Atlantic Service Company, Inc., Brooklyn, N. Y. Making clamps. 2,045,327; June 23.

Laguidara, Rocco, assignor of one-half to Automotive Products Company Limited, London, England, and one-half to Fabbriche Riunite Industria Gomma Torino, Turin, Italy. Flexible hose for high pressure hydraulic braking systems. 2,044,887; June 23.

Laise, Clemens A., Tenafly, assignor to Eisler Electric Corporation, Newark, N. J. Making cutting tools, dies, etc. 2,044,853; June 23.

La Mont Corporation. (See La Mont, Walter D., assignor.)

La Mont, Walter D., North Colebrook, Conn., assignor to La Mont Corporation, New York, N. Y. Steam generating plant. 2,044,797; June 23.

Landis, George G., University Heights, assignor to The Lincoln Electric Company, Cleveland, Ohio. Alternating current arc welding. 2,044,798; June 23.

Lang, Walter S., et al. (See Scully, R. T., and Rieger, assignors.)

Lange, Werner, Dessau-Ziebigk in Anhalt, and U. Dreyer, Wolfen, Kreis Bitterfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Cupriferous polyazo dyes and their production. 2,045,090; June 23.

Langer, Theodore W., Tulsa, Okla., assignor to Texaco Salt Products Company, New York, N. Y. Crystallizing process. 2,045,301; June 23.

Langer, Theodore W., C. E. McBride, R. J. Carlson, M. Stow, and F. B. Clardy, Tulsa, Okla., assignors to Texaco Salt Products Company, New York, N. Y. Crystallizing salts. 2,045,302; June 23.

La Rock, Edgar A., Ogdensburg, N. Y. Paper roll plug and shaft. 2,045,035; June 23.

La Rosa, V., & Sons, Inc. (See Tanzi, Guido, assignor.)

Larsson, Ernst A., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley head and current collector. 2,044,886; June 23.

Laszlo, Andrew. (See Almen, J. O., and Laszlo.)

Lawrence, George W., Los Angeles, Calif., assignor, by mesne assignments, to Postal Automatic Machines, Inc. Control drive for parcel post machines. 2,045,543; June 23.

Leaper, Percy J., Naugatuck, Conn., assignor to United States Rubber Products, Inc., New York, N. Y. Vulcanization of rubber. 2,045,275; June 23.

Leary, Edward J., Chicago, Ill. Jack positioning mechanism. 2,045,016; June 23.

Lebre, Albert F., Paris, France. Process of and apparatus for performing conversions of mechanical and thermal energy. 2,045,152; June 23.

Le Carbone Co. (See Thompson, H. G., and Hughes, assignors.)

Leindorf, Joseph P., Pelham Manor, N. Y. Extensible and contractible perch. 2,045,395; June 23.

Lemmerman, Paul C., and W. K. Schweitzer, East Cleveland, assignors to The Grasselli Chemical Company, Cleveland, Ohio. Solutions of alkali metal silicates. 2,045,153; June 23.

Lenz, Charles E., Jr., Baltimore, Md. Ventilated body support. 2,045,036; June 23.

Leon, Michael, Detroit, Mich. Electrical plug. 2,044,948; June 23.

Leonard, Anthon A., Glenside, assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Protective sleeve for resistor connecter device. 2,045,361; June 23.

Lerch, Gustav. (See Avery, H. T., and Lerch.)

Les Laboratoires Francais de Chimiotherapia. (See Girard, A., and Sandulesco, assignors.)

Létreux, Albert, Constantine, Algeria. Automatic grain meter. 2,045,193; June 23.

Levey, Harold A., New Orleans, La. Producing continuous film from plastic. 2,045,328; June 23.

Levy, Frank M., assignor to Mueller Brass Co., Port Huron, Mich. Flux. 2,045,017; June 23.

Levy, Jack E., and C. Mangiapani, New York, N. Y. Making animal figures from tuft yarn balls. 2,044,949; June 23.
Lichte, Hugo, M. Zeh, P. Glass, and K. Schwarz, assignors to Allgemeine Elektricitatz Gesellschaft, Berlin, Germany. Combined radio receiver equipment. 2,045,276; June 23.
Lincoln Electric Company, The. (See Landis, George G., assignor.)
Lindeman, James E., Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio. Flush car door. 2,045,154; June 23.
Lindner, Karl A., Baltimore, Md., assignor to American Smelting and Refining Company, New York, N. Y. Wire bar and making same. 2,045,277; June 23.
Lingg, Alfred, Munich, and P. Frost, Munich-Neuharlaching, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y. Range finder focusing attachment for folding cameras. 2,045,037; June 23.
Little, Arthur D. (See Buron, H. A., and MacDonough, assignors.)
Littlefield, Carl, assignor to Battle Creek Bread Wrapping Machine Company, Battle Creek, Mich. Slicing machine. 2,044,910; June 23.
Locke Steel Chain Company, The. (See Stegeman, Henry J., assignor.)
Lodeesen, Herman J. (See Tanner, R. R., and Lodeesen.)
Logon, John W., Jr., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake controlling device. 2,045,155; June 23.
Loibl, Robert B., Jr., Los Angeles, Calif. Pest exterminator. 2,045,018; June 23.
Lone, Lillian. (See O'Connell, Maurice M., assignor.)
Long, Elmer C., Quincy, Ill., assignor, by mesne assignments, to Security Trust Company, Detroit, Mich. Piston. 2,044,854; June 23.
Lorenz, C., Aktiengesellschaft. (See Kramar, Ernst, assignor.)
Lorenzen, Heinz G., assignor to Kitchen Art Foods, Inc., Chicago, Ill. Dessert preparation. 2,045,019; June 23.
Ludington, Lawrence L., assignor to Ball Brothers Company, Muncie, Ind. Pressure cooker. 2,045,303; June 23.
Luff, Henry J., assignor to M. A. M. Luff, Cleveland Heights, Ohio. Vacuum breaker. 2,045,479; June 23.
Luff, Mary A. M. (See Luff, Henry J., assignor.)
Luks, Robert E., Paris, France. Device for supplying hot air to a furnace. 2,045,194; June 23.
Lulek, Ralph N., Milwaukee, and C. F. Belcher, South Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Intermediates and dyestuffs of the anthrimide type. 2,045,304; June 23.
Lundgren, Carl G., Detroit, Mich. Gun sight. 2,044,855; June 23.
Lyon, Harry, Brockton, assignor to Heel Finisher, Inc., Boston, Mass. Heel trimming machine. 2,045,329; June 23.
M. J. B. Company. (See Bardet, George A. and G. V., assignors.)
M-O Valve Company Limited, The. (See Smithells, Colin J., assignor.)
M & R Dietetic Laboratories, Inc. (See Otting, Herbert E., assignor.)
MacCarthy, John D., assignor to General Manganese Corporation, Detroit, Mich. Extracting values from manganese carbonate ores. 2,044,799; June 23.
MacDonough, John V. (See Buron, H. A., and MacDonough.)
MacMillin, Howard F., Mount Gilead, Ohio, assignor, by mesne assignments, to The Hydraulic Press Corporation, Inc., Wilmington, Del. Radial plunger pump. 2,045,330; June 23.
Madsen, Paul S. (See Crowley, C. J., and Madsen.)
Magnesen, Charles D. and H., assignors to The Magnesen Seal and Closure Company, Chicago, Ill. Closure for bottles, jars, and similar containers. 2,045,480; June 23.
Magnesen, Hooker. (See Magnesen, Charles D. and H.)
Magnesen Seal and Closure Company, The. (See Magnesen, C. D. and H., assignors.)
Magnesium Development Corporation. (See Paine, Roy E., assignor.)
Magnetic Analysis Corporation. (See Zuschlag, Theodor, assignor.)
Mahler, William, assignor to U. S. Slicing Machine Company, La Porte, Ind. Bread slicer. 2,045,481; June 23.
Maier, Wellington W., Detroit, Mich. Building structure. 2,045,482; June 23.
Maine Casket Company. (See Bowler, Ernest C., Jr., assignor.)
Major, Randolph T., Mountainside, and W. L. Ruigh, Metuchen, assignors to Merck & Co., Inc., Rahway, N. J. Means and composition for the stabilization of divinyl ether. 2,044,800; June 23.
Major, Randolph T., Plainfield, and W. L. Ruigh, Princeton, assignors to Merck & Co., Inc., Rahway, N. J. Production of stabilized divinyl ether suitable for general anesthesia. 2,044,801; June 23.
Maley, Alfred W., Handsworth, Birmingham, and E. M. Taunton, Herborne, Birmingham, England. Power and control equipment of electrically driven vehicles and machinery. 2,045,038; June 23.
Maley, Alfred W., Handsworth, Birmingham, and E. M. Taunton, Harborne, Birmingham, England. Suspension of rail vehicles. 2,045,039; June 23.
Mallory, P. R., & Co. (See Hensel, Frans R., assignor.)
Mangiapani, Cesare. (See Levy, J. E., and Mangiapani.)
Manley, Robert E., B. Y. McCarty and H. H. Gross, Beacon, assignors to The Texas Company, New York, N. Y. Removal of wax from hydrocarbon oil. 2,045,305; June 23.
Mann, John, assignor to Goulds Pumps, Inc., Seneca Falls, N. Y. Mechanism and construction for reciprocating machinery. 2,045,552; June 23.
Marchant Calculating Machine Company. (See Avery, H. T., and Lerch, assignors.)
Marchant Calculating Machine Company. (See Friden, Carl M. F., assignor.)
Marchev, Alfred, La Grange, assignor to Ditto, Incorporated, Chicago, Ill. Duplicating machine. 2,045,020; June 23.
Marihart, Leo A., San Francisco, Calif. Ash tray. 2,044,802; June 23.
Marlhugh, Peter A., Harbor Springs, Mich. Loose-leaf binder. 2,045,040; June 23.
Marinsky, Davis, assignor to Whitehall Patents Corporation, New York, N. Y. Separable fastener. 2,045,396; June 23.
Marlin-Rockwell Corporation. (See Barish, Thomas, assignor.)
Marsh, Fayette E., and C. H. Andersen, assignors to C. V. Price, Los Angeles, Calif. Article and method by which "Ben Day" tones are photographically produced. 2,044,991; June 23.
Marshall, John R., Yorkville, Ill. Nonrefillable bottle. 2,045,278; June 23.
Massey, Andrew, and H. Hulick, Raleigh, N. C. Radio antenna. 2,045,398; June 23.
Matchett, Mahlon M., Highland Park, Mich. Fixture for gears. 2,045,156; June 23.
Mathias, Robert, Ampere, N. J. Protective garment. 2,045,157; June 23.
Matthaes, Werner. (See Kleine, J., Pfannensteil, and Matthaes.)
Mattinson, Frank W., assignor to Skenandoa Rayon Corporation, Utica, N. Y. Method and apparatus for manufacturing artificial silk. 2,045,530; June 23.
Mattinson, Frank W., assignor to Skenandoa Rayon Corporation, Utica, N. Y. Apparatus for manufacturing artificial silk. 2,045,531; June 23.
Mauthe, Gustav. (See Noerr, H., and Mauthe.)
May, Adam J., assignor to Ritter Dental Manufacturing Company, Inc., Rochester, N. Y. Footrest for operating chairs. 2,044,992; June 23.
Mayer, William, New York, N. Y. Adjustable necktie. 2,045,279; June 23.
Mayer, William, New York, N. Y. Necktie construction. 2,045,280; June 23.
Mayer, William, New York, N. Y. Adjustable necktie. 2,045,281; June 23.
Maynard, Arthur H., Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine. Machine for closing and sealing bags and like containers. 2,045,397; June 23.
Mays, Glenn W., Midland, Tex. Window operating mechanism. 2,045,195; June 23.
McBride, Clarence E. (See Langer, T. W., McBride, Carlson, Stow, and Clardy.)
McCarty, Bernard Y. (See Manley, R. E., McCarty, and Gross.)
McClellan, C. B. (See Gorton, Clyde B., assignor.)
McCune, Joseph C., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid pressure brake. 2,045,158; June 23.
McKenzie, Henry J. (See Wade, John B., assignor.)
McKiernan-Terry Corporation. (See Smalts, John C., assignor.)
McKinstry, Charles H., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Locomotive brake control. 2,045,159; June 23.
McLaughlin, Kenneth M., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa. Automatic tuning system for radio receivers. 2,045,091; June 23.
McMurdo, Hew B., Atlanta, Ga. Glasses. 2,045,399; June 23.
McMurtrie, Douglas H. (See Richter, G. A., Vannah, and McMurtrie.)
McMurtry, Ulysses B., Toronto, Ontario, Canada. Studio lounge. 2,044,803; June 23.
McNally, James G., and N. F. Beach, assignors to Eastman Kodak Company, Rochester, N. Y. Wrapping material. 2,044,804; June 23.
McNicoll, Andrew G., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Mechanical control. 2,045,041; June 23.
Mead Corporation, The. (See Kidd, Herbert A., assignor.)
Mellinkoff, Louis, Los Angeles, Calif. Valve seat replacement. 2,044,950; June 23.
Merck & Co. (See Major, R. T., and Ruigh, assignors.)
Merryweather & Sons Limited. (See Miller, Leonard C., assignor.)
Merwin, John C., and C. F. Ball, assignors to Chain Belt Company, Milwaukee, Wis. Discharge mechanism for concrete mixers and analogous apparatus. 2,045,532; June 23.
Metal Finishing Research Corporation. (See Tanner, R. R., and Lodeesen, assignors.)
Metcalf, Alpha H., Attleboro, Mass., assignor to Cheever, Tweedy & Co. Inc. Bracelet. 2,045,282; June 23.

Methlin, Nicolas E., assignor to Schneider & Cie., Paris, France. Electrical teleindicating device. 2,045,042; June 23.
Meyerkort, Richard W., Carmel, Calif. Umbrella. 2,044,805; June 23.
Michelin et Cie. (See Bourdon, Pierre M., assignor.)
Micro Corporation, The. (See Criner, Harry J., assignor.)
Micro Corporation, The. (See Yerk, H. H., and Palmer, assignors.)
Midnight, Wilbur G., Bay Village, assignor to Perfection Stove Company, Cleveland, Ohio. Refrigerating system. 2,045,043; June 23.
Miller, Leonard C., assignor to Merryweather & Sons Limited, London, England. Production of fire extinguishing foam. 2,045,400; June 23.
Miller, Morrow C. (See Cummins, A. B., Badollet, and Miller.)
Miller, Thomas W., assignor to The Faultless Rubber Company, Ashland, Ohio. Fountain syringe. 2,044,911; June 23.
Miller, Thomas W., assignor to The Faultless Rubber Company, Ashland, Ohio. Fountain syringe. 2,044,912; June 23.
Miller, Thomas W., assignor to The Faultless Rubber Company, Ashland, Ohio. Fluid center article. 2,044,913; June 23.
Miller, Thomas W., assignor to The Faultless Rubber Company, Ashland, Ohio. Bottle stopper. 2,044,914; June 23.
Mineard, Gerald E. (See Williams, P. S., and Mineard.)
Minerals Separation North American Corporation. (See Keller, Cornelius H., assignor.)
Minneapolis-Honeywell Regulator Company. (See McNicoll, Andrew G., assignor.)
Mitchell, Allister S., assignor to National Automotive Fibres, Inc., Detroit, Mich. Upholstery making apparatus. 2,045,363; June 23.
Mitchell, Thomas A., assignor to Hughes-Mitchell Processes, Incorporated, Denver, Colo. Chloridizing ore materials. 2,045,092; June 23.
Modine, Arthur B., assignor to Modine Manufacturing Company, Racine, Wis. Heating and ventilating apparatus. 2,045,044; June 23.
Modine Manufacturing Company. (See Modine, Arthur B., assignor.)
Mohr, Karl, Kiel, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany. Fuel-injecting pump for internal combustion engines. 2,045,196; June 23.
Monforte, Rocco, Saylesville, R. I. Finishing machine. 2,045,331; June 23.
Monsanto Chemical Company. (See Sibley, Robert L., assignor.)
Moore, Burt B., Sioux City, Iowa. Headlight blinker for daylight signals. 2,045,045; June 23.
Moorman, Arthur R., Woodriver, Ill., and I. C. Carpenter, New Rochelle, N. Y., assignors to Contact Filtration Company, San Francisco, Calif. Treating fresh unused petroleum oils to produce decolorized lubricating oil stocks. 2,045,160; June 23.
Morays Watch Case Co. (See Alkin, Emanuel M., assignor.)
Morin, George V., Pawtucket, R. I. Electric stop motion for looms. 2,045,364; June 23.
Morrell, Jacque C., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill. Treatment of hydrocarbon oils. 2,045,234; June 23.
Morton, Adelbert R. (See Jeandron, H. T., and Morton.)
Mosley, Alfred J., Aurora, Ill. Separating device. 2,044,915; June 23.
Mossberg, Frank, Attleboro, Mass., assignor to Mossberg Pressed Steel Corporation. Warp beam. 2,045,283; June 23.
Mossberg Pressed Steel Corporation. (See Mossberg, Frank, assignor.)
Moto-Mower Co., The. (See Keller, Kirk L., assignor.)
Mowry, Otto D., Evanston, Ill., assignor to I. Newman & Sons, Inc., New Haven, Conn. Corset. 2,045,401; June 23.
Mudd, Garrett W., assignor to Peters Machinery Co., Chicago, Ill. Paper cutting machine. 2,045,046; June 23.
Mueller Brass Co. (See Levy, Frank M., assignor.)
Mueller, Otto, Toledo, Ohio, assignor to E. W. Bliss Company, Brooklyn, N. Y. Safety device for clutches. 2,045,488; June 23.
Muench, Eduard, and R. Wimmer, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Stable reduction products of dyestuffs of the indigo series, and producing same. 2,045,553; June 23.
Müller, Ferdinand C. (See Pilliod, T. J., and Müller.)
Müller, Richard, and M. Schenck, Mannheim, and W. Wirbatz, assignors to C. F. Boehringer & Soehne G. m. b. H., Mannheim-Waldhof, Germany. Cellulose acetate products and producing same. 2,045,161; June 23.
Muller, Robert L., assignor to Burroughs Adding Machine Company, Detroit, Mich. Calculating machine. 2,045,021; June 23.
Mummery, Charles R. (See Cummings, S. R., and Mummery.)
Munhall, Adina C., et al. (See Welch, J. W., and Suess, assignors.)
Munters, Carl G., Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., Dover, Del. Refrigeration. 2,044,951; June 23.
Muralo Company, The. (See Kddings, C., and Kennedy, assignors.)
Murch, Wilfred M., assignor to The Dow Chemical Company, Midland, Mich. Vat dyestuff derived from 3,3'-dibromo-indanthrene and making same. 2,044,993; June 23.
Murray Company, The. (See Graves, John B., Jr., assignor.)
Murray Company, The. (See Nevitt, James S., assignor.)
Myers, Oscar, Brooklyn, assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Signaling system. 2,045,402; June 23.
N. V. Machinerieen -en Apparaten Fabricken "Meaf". (See Gerhard, Ernst, assignor.)
N. V. Philips' Gloeilampenfabrieken. (See Kuntke, Alfred, assignor.)
Naiman, Julius M., Chicago, Ill. Fluid flow measuring means. 2,044,806; June 23.
Narten, Henry S., et al. (See Hill, Joseph M., assignor.)
Nason, Joseph E. (See Ahrens, H. A., Kennedy, and Nason.)
National Automotive Fibres, Inc. (See Mitchell, Allister S., assignor.)
National Bearing Metals Corporation. (See Crawford, Samuel W., assignor.)
National Broach & Machine Company. (See Rovick, John D., assignor.)
National Cash Register Company, The. (See Goldberg, Maximilian M., assignor.)
National Cash Register Company, The. (See Green, Charles W., assignor.)
National Colortype Company, The. (See Ryder, Charles D., assignor.)
National-Standard Company. (See Shook, Florain J., assignor.)
Needham, Francis M., Pontiac, Mich. Prop. 2,045,484; June 23.
Nelson, Roy F., Port Arthur, Tex., assignor to The Texas Company, New York, N. Y. Lubricants. 2,045,306; June 23.
Nepo, Harry W., Chicago, Ill. Safety motion picture projector. 2,045,022; June 23.
Neuland, Alfons H., Irvington, N. J., assignor, by mesne assignments, to The Power Transmission Company, Incorporated, New York, N. Y. Electric system, gearing and control for motor vehicles. 2,045,197; June 23.
Neumuth, Theodore W., Richmond Hill, N. Y. Draft eliminator for windows. 2,044,916; June 23.
Neveu, Frank A., Los Angeles, Calif. Radiator core. 2,044,952; June 23.
Nevitt, James S., assignor to The Murrey Company, Dallas, Tex. Follow block. 2,045,047; June 23.
Newcomer, Harry S., New York, assignor to United Research Corporation, Long Island City, N. Y. Stereoscopic photography. 2,045,093; June 23.
Newill, Edward B., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,045,048; June 23.
Newman, I., & Sons, Inc. (See Mowry, Otto D., assignor.)
Newman, Isidor, New York, N. Y. Device for shaping sheet material. 2,045,235; June 23.
News Projection Corporation. (See Eitzen, August D., assignor.)
Nicholides, Emmanuel C., assignor, by mesne assignments, to Sonotone Corporation, New York, N. Y. Piezoelectric device. 2,045,403; June 23.
Nicholides, Emmanuel C., assignor, by mesne assignments, to Sonotone Corporation, New York, N. Y. Piezoelectric vibrator device. 2,045,404; June 23.
Noble, F. H., & Co. (See Shields, John M., assignor.)
Noerr, Hermann, and G. Mauthe, Leverkusen-I. G.-Werk, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Manufacture of new tanning materials. 2,045,049; June 23.
Noonan, Joseph E. (See Eustis, W., and Noonan.)
Norton Company. (See Webster, Duane E., assignor.)
Norton, Ellery, Chicago, Ill. Valve. 2,044,856; June 23.
Noyes, Atherton, Jr., Winchester, assignor to G. W. Pierce, Cambridge, Mass. Transducer. 2,044,807; June 23.
O'Banion, John W., Yuba City, Calif. Combination machine for cutting plaster casts. 2,045,050; June 23.
Ochs, Sidney A. (See Harshberger, N. P., and Ochs.)
O'Connell, Maurice M., assignor of one-half to L. Lone, Buffalo, N. Y. Supporting apparatus for pipes and the like. 2,045,307; June 23.
Ogden, Harold S., and J. J. Casby, Erie, Pa., assignors to General Electric Company. Control system. 2,045,485; June 23.
Ogilvie, William, Knowle, assignor to B. S. A. Tools Limited, Birmingham, England. Multispindle automatic lathe or like machine. 2,045,486; June 23.
Ohio Brass Company, The. (See Kenneally, Martin M., assignor.)
Ohio Brass Company, The. (See Larsson, Ernst A., assignor.)
Ohio Brass Company, The. (See Pipes, Pliny P., assignor.)
Oishei, John R., assignor to Trico Products Corporation, Buffalo, N. Y. Motor vehicle power plant. 2,045,094; June 23.
Olson, William. (See Hanson, Soren S., assignor.)
Osborne, Fay H., assignor to C. H. Dexter & Sons, Incorporated, Windsor Locks, Conn. Making porous long fibered nonhydrated paper. 2,045,095; June 23.

Osborne, Fay H., assignor to C. H. Dexter & Sons, Incorporated, Windsor Locks, Conn. Porous long fibered nonhydrated paper. 2,045,096; June 23.

Oslind, Martin H., Warren, Ohio. Snap clamp for lathe chucks. 2,045,487; June 23.

Otting, Herbert E., Westerville, Ohio, assignor to M & R Dietetic Laboratories, Inc. Treatment of milk products. 2,045,097; June 23.

Otto, Carl A., assignor to Johnson Service Company, Milwaukee, Wis. Temperature regulator. 2,045,332; June 23.

Oubridge, William A., Coventry, England. Lapping and honing machine. 2,045,488; June 23.

Overdick, Fritz, Leverkusen-Wiesdorf, and H. Gorke, Leverkusen-I. G. Werk, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Purifying alkali metal hydroxide solutions. 2,044,888; June 23.

Packard Motor Car Company. (See Griswold, Walter R., assignor.)

Paine, Roy E., Oakland, Calif., assignor, by mesne assignments, to Magnesium Development Corporation. Alloy. 2,045,236; June 23.

Paine, Roy E., Oakland, Calif., assignor, by mesne assignments, to Magnesium Development Corporation. Alloy. 2,045,237; June 23.

Paine, Roy E., Oakland, Calif., assignor, by mesne assignments, to Magnesium Development Corporation. Alloy. 2,045,238; June 23.

Paine, Roy E., Oakland, Calif., assignor, by mesne assignments, to Magnesium Development Corporation. Alloy. 2,045,239; June 23.

Paine, Roy E., Oakland, Calif., assignor, by mesne assignments, to Magnesium Development Corporation. Alloy. 2,045,240; June 23.

Paine, Roy E., Oakland, Calif., assignor, by mesne assignments, to Magnesium Development Corporation. Alloy. 2,045,241; June 23.

Paine, Roy E., Oakland, Calif., assignor, by mesne assignments, to Magnesium Development Corporation. Alloy. 2,045,242; June 23.

Paine, Roy E., Oakland, Calif., assignor, by mesne assignments, to Magnesium Development Corporation. Alloy. 2,045,243; June 23.

Paine, Roy E., Oakland, Calif., assignor, by mesne assignments, to Magnesium Development Corporation. Alloy. 2,045,244; June 23.

Paine, Roy E., Oakland, Calif., assignor, by mesne assignments, to Magnesium Development Corporation. Alloy. 2,045,245; June 23.

Paine, Roy E., Oakland, Calif., assignor, by mesne assignments, to Magnesium Development Corporation. Alloy. 2,045,246; June 23.

Paine, Roy E., Oakland, Calif., assignor, by mesne assignments, to Magnesium Development Corporation. Alloy. 2,045,247; June 23.

Palmer, Herbert R., Cleveland, Ohio. Gas burner. 2,044,953; June 23.

Palmer, William C. (See York, H. H., and Palmer.)

Parrish, William J. (See Robinson, H. H., and Parrish.)

Parsons, John, Coventry, England. Window latch mechanism. 2,045,198; June 23.

Parsons Marine Steam Turbine Company, The. (See Cook, Stanley S., assignor.)

Payette, Paul, Outremont, Quebec, Canada. End gate for vehicles. 2,045,489; June 23.

Payne, Clarence Q., Stamford, Conn. Apparatus for magnetic separation. 2,045,098; June 23.

Pearce, Lewis C., assignor to The Standard Envelope Manufacturing Company, Cleveland, Ohio. Envelope machine. 2,045,490; June 23.

Pearl, Herman H., Floral Park, N. Y. Culinary vessel and the like. 2,045,248; June 23.

Pecker, Joseph S., Philadelphia, assignor to Autogiro Company of America, Willow Grove, Pa. Aircraft with aerodynamically rotatable wings. 2,045,051; June 23.

Peerless Ice Machine Company. (See Kritzer, R. W., and Hoesel, assignors.)

Peirce, George A., Roselle, N. J., assignor to The Grasselli Chemical Company, Cleveland, Ohio. Alkaline earth metal sulphate. 2,044,954; June 23.

Peltier, Frank D., Evansville, Ind., assignor to Servel, Inc., New York, N. Y. Milk cooler. 2,045,491; June 23.

Penney, Gaylord W., Pittsburgh, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Commutator. 2,045,405; June 23.

Pennsylvania Research Corporation, The. (See Sinden, James W., assignor.)

Perfection Stove Company. (See Midnight, Wilbur G., assignor.)

Perfection Stove Company. (See Resek, Marc, assignor.)

Perring, Ethel M., et al., executors. (See Johnson, Henry T.)

Perry, Edward D., assignor to The Beardsley & Wolcott Manufacturing Company, Waterbury, Conn. Electric sadiron. 2,045,284; June 23.

Peters Machinery Co. (See Mudd, Garrett W., assignor.)

Petersen, Carl M., assignor to Circle F Mfg. Co., Trenton, N. J. Indicating wall socket. 2,045,199; June 23.

Petersen, John, and C. R. Bushnell, Los Angeles, Calif. Changeable exhibitor. 2,045,249; June 23.

Peterson, Victor W. (See Thompson, Elliott D., assignor.)

Petzoldt, Karl, Chemnitz, Germany. Jacquard machine. 2,045,162; June 23.

Pew, Arthur E., Jr., Bryn Mawr, assignor to Sun Oil Company, Philadelphia, Pa. Apparatus for chemically treating topped crude oil. 2,045,492; June 23.

Pfannenstiel, Hugo. (See Kleine, J., Pfannenstiel, and Matthaes.)

Pfauser, Edward M., assignor to Blackhawk Mfg. Co., Milwaukee, Wis. Pump. 2,044,857; June 23.

Philadelphia Storage Battery Company. (See Bowman, John M., assignor.)

Philadelphia Storage Battery Company. (See Leonard, Anthon A., assignor.)

Phillips Petroleum Company. (See Schulze, Walter A., assignor.)

Pierce, Frank M., Miami, Fla. Amusement device. 2,044,994; June 23.

Pierce, Frank M., Miami, Fla. Amusement device. 2,044,995; June 23.

Pierce, George W. (See Noyes, Atherton, Jr., assignor.)

Pilliod, Thomas J., and F. C. Müller, Swanton, Ohio, assignors to De Haven Razor Corporation. Self-sharpening safety razor. 2,045,365; June 23.

Pilliod, Thomas J., and F. C. Müller, Swanton, Ohio, assignors to De Haven Razor Corporation. Self-sharpening safety razor. 2,045,366; June 23.

Pilot Radio Corporation. (See Cooper, W. H., and Pinkham, assignors.)

Pinkham, Clarence A. (See Cooper, W. H., and Pinkham.)

Pipes, Pliny P., assignor to The Ohio Brass Company, Mansfield, Ohio. Apparatus for bonding rails. 2,045,333; June 23.

Pittoni, Angelo, Lynbrook, N. Y., assignor, by mesne assignments, to Burton-Dixie Corporation. Spring structure. 2,045,544; June 23.

Pittsburgh Plate Glass Company. (See Fix, Earl L., assignor.)

Pittsburgh Screw & Bolt Corporation. (See Horton, William M., assignor.)

Pneumatic Scale Corporation. (See Howard, Stanley R., assignor.)

Podbielniak, Lois W. G. (See Podbielniak, Walter J., assignor.)

Podbielniak, Walter J., Chicago, Ill., assignor to L. W. G. Podbielniak, Tulsa, Okla. Securing counter current contact of fluids by centrifugal action. 2,044,996; June 23.

Pointon, John E. (See Harber, L. S., and Pointon.)

Pond, Thomas C., Larchmont, assignor to Johns-Manville Corporation, New York, N. Y. Cellular material and making same. 2,045,099; June 23.

Ponselle, Robert A., New York, N. Y. Floor machine. 2,045,406; June 23.

Porter, Vernon C., New York, N. Y. Fireproof door. 2,045,367; June 23.

Postal Automatic Machines, Inc. (See Lawrence, George W., assignor.)

Povelsen, Ingild, Washington, D. C. Mechanical calendar. 2,044,808; June 23.

Power Transmission Company, The. (See Neuland, Alfons H., assignor.)

Price, Charles V. (See Marsh, F. E., and Andersen, assignors.)

Prince, John, Hollinwood, England, assignor to Ferranti Inc., New York, N. Y. Prepayment mechanism. 2,045,200; June 23.

Prosperity Company, The. (See Davis, Ernest, assignor.)

Quinn, Clara E., assignor to Drilce Appliances Incorporated, Mount Vernon, Ill. Refrigerating apparatus. 2,045,250; June 23.

Rabe, Karl, Stuttgart, Germany. Steering arrangement for power-driven vehicles. 2,044,809; June 23.

Raber, Joseph, Haddonfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Time controlled reselector switching mechanism. 2,045,251; June 23.

Rabourdin, Jean, Paris, France. Car braking apparatus for railroads. 2,045,201; June 23.

Rackett, Gerald F., Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Boston, Mass. Film lubricating device. 2,044,810; June 23.

Radasch, Arthur H., Bloomfield, N. J., assignor to The Barrett Company, New York, N. Y. Distillation of tar. 2,045,407; June 23.

Radio Corporation of America. (See Burnside, Don G., assignor.)

Radio Corporation of America. (See Cooley, Austin G., assignor.)

Radio Corporation of America. (See Hopkins, Alva R., assignor.)

Radio Corporatio nof America. (See Koch, Winfield R., assignor.)

Radio Corporation of America. (See Raber, Joseph, assignor.)

Radio Corporation of America. (See Shore, Henry, assignor.)

Radio Corporation of America. (See Smith, John P., assignor.)

Radio Corporation of America. (See Stocker, Arthur C., assignor.)

Radio Corporation of America. (See Veldhuyzen, Romyn, assignor.)

Radloff, Johannes, Berlin, Germany, assignor to General Electric Company. Welded frame for combustion engines. 2,045,493; June 23.

Raffles, Frank, Chicago, Ill. Apparatus for preparing molded deep forms or diaphragms. 2,045,163; June 23.

Raffold Process Corporation. (See Rafton, Harold R., assignor.)

Rafton, Harold R., Andover, Mass., assignor to Raffold Process Corporation. Paper manufacture. 2,045,052; June 23.

Railroad Accessories Corporation. (See Deems, Edward M., assignor.)

Ralston, Lillian H., Gruver, Tex. Tricycle. 2,044,889; June 23.

Randel, Bo F., San Diego, Calif. Refrigeration. 2,044,811; June 23.

Rathmell, John M. (See Green, J. B., and Rathmell.)

Raymond Concrete Pile Company. (See Upson, Maxwell M., assignor.)

Read, Worth G., St. Paul, Minn. Printing mechanism. 2,045,408; June 23.

Reddie, Roy, Knoxville, Tenn. Spinning spindle and lubricating same. 2,044,890; June 23.

Redmond, Frederic J., Arlington, N. J., and J. N. Reynolds, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electromagnet. 2,045,409; June 23.

Reed, Earl A., Garber, Okla. Earth boring drill. 2,045,368; June 23.

Reid, Glenn P., Vancouver, British Columbia, Canada. Display rack for golf clubs. 2,045,023; June 23.

Reid, Roswell F. (See Kyte, C. E., and Reid.)

Reiners, Wilhelm, and G. Kahlisch, assignors to W. Schlafhorst & Co., Gladbach-Rheydt, Germany. Cop winding machine. 2,045,202; June 23.

Reinhardt, Louis W., Brockton, assignor to G. E. Belcher Company, Stoughton, Mass. Rebuilt shoe last and making the same. 2,045,309; June 23.

Reinhardt, Louis W., Brockton, assignor to G. E. Belcher Company, Stoughton, Mass. Last centering device. 2,045,310; June 23.

Renegar, David H., Florence, Ala. Churn dasher mechanism. 2,045,334; June 23.

Renfroe, James D., Old Hickory, Tenn., assignor to du Pont Rayon Company, New York, N. Y. Bucket. 2,045,252; June 23.

Renken, Harry J., Evanston, Ill., and F. P. Thieman, Tulsa, Okla.; said Renken, assignor to Fairbanks, Morse & Company, Chicago, Ill. Pump. 2,045,024; June 23.

Resek, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Refrigerating system and method. 2,045,053; June 23.

Resek, Marc, Cleveland Heights, assignor to Perfection Stove Company, Cleveland, Ohio. Intermittent absorption refrigerating system. 2,045,054; June 23.

Resinous Products & Chemical Co. Inc., The. (See Bruson, Herman A., assignor.)

Reynolds, Albert H., assignor to Dearborn Chemical Company, Chicago, Ill. Tannin briquette containing a retarding agent. 2,045,335; June 23.

Reynolds, John N. (See Redmond, F. J., and Reynolds.)

Rhokana Corporation Limited. (See Bosqui, Francis L., assignor.)

Richards, Harlan, Chicago, Ill. Spray system. 2,045,164; June 23.

Richardson, Harold A. (See Kampschulte, Josef, assignor.)

Richardson, Rodney G., Chicago, Ill. Starting and ignition system for explosive engines. 2,044,917; June 23.

Richardson, Sidney, Hollywood, assignor of one-half to C. E. Boyd, Los Angeles, Calif. Producing orthodontic band brackets. 2,045,025; June 23.

Richter, George A., and M. O. Schur, assignors to Brown Company, Berlin, N. H. Manufacture of impregnated fiber articles. 2,045,410; June 23.

Richter, George A., H. P. Vannah, Berlin, and D. H. McMurtrie, Gorham, assignors to Brown Company, Berlin, N. H. Preparation of solutions of hydroxy-cellulose ethers. 2,045,411; June 23.

Rickenbacher, Robert J., Columbus, assignor to The Kilgore Mfg. Company, Westerville, Ohio. Machine gun type pistol. 2,045,369; June 23.

Riddle, Frank H., Detroit, Mich., assignor to Champion Spark Plug Company, Toledo, Ohio. Electrical insulator and making the same. 2,045,494; June 23.

Rieger, Otto C. (See Scully, R. T., and Rieger.)

Riemenschneider, Edmund W. (See Crowley, H. G., and Riemenschneider.)

Rioux, Joseph F., Attleboro, Mass. Powder container. 2,045,165; June 23.

Ritter Dental Manufacturing Company. (See May, Adam J., assignor.)

Rixson, Oscar C., Co., The. (See Garrison, Forrest C., assignor.)

Roberton, Harold E. (See Swift, D. D., and Roberton.)

Roberts, Julius, Brooklyn, N. Y. Automatic ice cube release. 2,045,371; June 23.

Roberts, Robert P., E. B. Johnson, and L. W. Gregory, Spondon, near Derby, England, assignors to Celanese Corporation of America. Artifical materials and making the same. 2,045,370; June 23.

Robinson, David M., assignor to The Stanley Works, New Britain, Conn. Overhead door. 2,045,100; June 23.

Robinson, David M., assignor to The Stanley Works, New Britain, Conn. Articulated overhead door. 2,045,101; June 23.

Robinson, Harold H., Coral Gables, Fla., and W. J. Parrish, Detroit, Mich., assignors to Curtiss Aerocar Company, Inc., Coral Gables, Fla. Semitrailer body construction. 2,045,166; June 23.

Roesch, Georges H., assignor of one-half to Clement Talbot Limited, London, England. Change speed mechanism for variable speed gears. 2,045,412; June 23.

Roessel, Louis O. E., Chappaqua, N. Y. Antiskidding device for automobiles. 2,044,812; June 23.

Rogers, Homer L. (See Voigt, P. A., and Rogers.)

Rohm & Haas Company. (See Bruson, H. A., and Stein, assignors.)

Rohn, John E., Rockville Center, N. Y., assignor to Autographic Register Company, Hoboken, N. J. Manifolding device. 2,045,102; June 23.

Rooney, Walter E., Bellingham, Wash., assignor to American Can Company, New York, N. Y. Fish canning machine. 2,044,813; June 23.

Roos, Carlisle K., Wheaton, and G. D. King, assignors to United States Gypsum Company, Chicago, Ill. Acoustical wall covering. 2,045,311; June 23.

Roos, Carlisle K., Wheaton, and G. D. King, assignors to United States Gypsum Company, Chicago, Ill. Acoustical wall covering. 2,045,312; June 23.

Roos, Carlisle K., Wheaton, and G. D. King, assignors to United States Gypsum Company, Chicago, Ill. Acoustical wall covering. 2,045,313; June 23.

Rosch, Samuel J., Yonkers, assignor to Anaconda Wire & Cable Company, New York, N. Y. Insulated conductor. 2,045,103; June 23.

Rosch, Samuel J., Yonkers, assignor to Anaconda Wire & Cable Company, New York, N. Y. Reenforced sheathed cable. 2,045,104; June 23.

Rosendahl, Nils M., assignor to Universal Crusher Company, Cedar Rapids, Iowa. Bearing and oiling system therefor. 2,045,026; June 23.

Rosner, Adolph. (See LaBrie, L. E., and Rosner.)

Rothrock, Addison M., Langley Field, Va. Fuel injection system. 2,044,814; June 23.

Rothrock, Ralph K. (See Thurber, Edward J., assignor.)

Rothstein, Joseph H. (See Schwartz, H. I., and Rothstein.)

Rovick, John D., assignor to National Broach & Machine Company, Detroit, Mich. Device for testing gear noise. 2,044,955; June 23.

Rowland, Annie G., executrix. (See Rowland, Jasper M.)

Rowland, Jasper M., deceased, by A. G. Rowland, executrix, assignor to Hooker Electrochemical Company, Niagara Falls, N. Y. Metering system. 2,045,413; June 23.

Ruigh, William L. (See Major, R. T., and Ruigh.)

Rumpel, Carl H., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Timing apparatus. 2,045,414; June 23.

Rüsberg, Friedrich, Berlin-Niederschoneweide, assignor to Kali-Chemie, Aktiengesellschaft, Berlin, Germany. Decomposition of engel salt. 2,045,203; June 23.

Ryan, Matt, Detroit, Mich. Device for polishing metal or the like. 2,044,858; June 23.

Ryder, Charles D., Covington, assignor to The National Colortype Company, Bellevue, Ky. Light reflecting means. 2,044,997; June 23.

Saco-Lowell Shops. (See Jones, Robert M., assignor.)

Saks, Ira. (See Spase, Charles B., assignor.)

Salvador, Lino, New York, N. Y. Hacksaw blade. 2,045,105; June 23.

Sandulesco, Georges. (See Girard A., and Sandulesco.)

Sanford, Roy S., assignor to Bendix Aviation Corporation, South Bend, Ind. Vehicle. 2,045,027; June 23.

Sargent, William D., New York, N. Y., assignor, by mesne assignments, to Durafer (Inc.), Dover, Del. Centrifugally casting liners in brake drum shells. 2,044,815; June 23.

Saurer, Curt, assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Cushioned car rail. 2,045,253; June 23.

Schädler, Friedrich A., Arbon, Switzerland. Space closing constructional element. 2,045,055; June 23.

Schenck, Martin. (See Müller, R., Schenck, and Wirbatz.)

Scheuer and Company. (See Hamer, L., and Jarmak, assignor.)

Schick, Jacob, Stamford, Conn. Dry shaver. 2,045,106; June 23.

Schindhelm, Hans, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Substantive azodyestuffs and making same. 2,044,891; June 23.

Schlafhorst, W., & Co. (See Reiners, W., and Kahlisch, assignors.)

Schleimer, Floyd V., assignor to United States Appliance Corporation, San Francisco, Calif. Electrical hair waving heater. 2,045,056; June 23.

Schlemmer, Phil G., Nanuet, N. Y., assignor, by mesne assignments, to R. B. Henderson. Bag closing machine. 2,045,254; June 23.

Schluchter, Alfred W. (See Boegehold, A. L., Schluchter, and Terry.)

Schmeiser, Theodore G., Fresno, Calif. Street plate for track type tractors. 2,044,918; June 23.

Schmiedeknecht, Victor E., Louisville, Ky. Float valve. 2,044,816; June 23.

Schneider & Cie. (See Methlin, Nicolas E., assignor.)

Schneider, George. (See Dreyfus, C., and Schneider.)

Schoeller, Conrad. (See Koerding, P., Schoeller, and Ulrich.)

Schrauth, Walther, Berlin-Dahlem, Germany. Salves, creams, soaps, and the like. 2,045,415; June 23.
Schrauth, Walther, Berlin-Dahlem, and R. Hueter, Rossau-in Anhalt, Germany, assignors, by mesne assignments, to "Unichem" Chemikalien Handels A.-G., Zurich, Switzerland. Lime, magnesia- and acid-resisting sulphonates produced from unsaturated fatty alcohols. 2,044,919; June 23.
Schroeder, Frederic W., Mexico, Mo., assignor to Corhart Refractories Company, Louisville, Ky. Refractory. 2,044,817; June 23.
Schulze, Walter A., assignor to Phillips Petroleum Company, Bartlesville, Okla. Treatment of hydrocarbon oils. 2,045,057; June 23.
Schumacher, Earl E. (See Bouton, G. M., and Schumacher.)
Schumacher, Elmer L., assignor to American Optical Company, Southbridge, Mass. Tool for assembling ophthalmic mountings. 2,045,372; June 23.
Schur, Milton O. (See Richter, G. A., and Schur.)
Schwartz, Harry I., and J. H. Rothstein, New York, N. Y. Combination writing instrument and shaver's kit. 2,045,416; June 23.
Schwarz, Karl. (See Lichte, H., Zeh, Glass, and Schwarz.)
Schweitzer, William K. (See Lemmerman, P. C., and Schweitzer.)
Scott & Williams, Incorporated. (See Getaz, James L., assignor.)
Screw Machine Specialty Company et al. (See Welch, J. W., and Suess, assignors.)
Scully, Rees T., and O. C. Rieger, assignors of forty-two and one-half per cent to W. S. Lang, forty-two and one-half per cent to said Scully and fifteen per cent to said Rieger, Pittsburgh, Pa. Brush. 2,045,373; June 23.
Seamless Rubber Company, The. (See Crowley, C. J., and Madsen, assignors.)
Security Trust Company. (See Long, Elmer C., assignor.)
Seebach, Fritz, Erkner, near Berlin, assignor to Bakelite Gesellschaft mit beschrankter Haftung, Berlin, Germany. Preparing air-drying lacquer from phenol-aldehyde condensation products. 2,044,859; June 23.
Sellman, Robert W., Highland Park, assignor of one-fourth to B. G. Fletcher, Wyandotte, Mich. Resilient vehicle body suspension means. 2,045,028; June 23.
Servel, Inc. (See Hainsworth, William R., assignor.)
Servel, Inc. (See Munters, Carl G., assignor.)
Servel, Inc. (See Peltier, Frank D., assignor.)
Servel, Inc. (See Shagaloff, Harry C., assignor.)
Shagaloff, Harry C., Evansville, Ind., assignor, by mesne assignments, to Servel, Inc., Dover, Del. Refrigerating system. 2,045,204; June 23.
Shagaloff, Harry C., Evansville, Ind., assignor, by mesne assignments, to Servel, Inc., Dover, Del. Refrigeration. 2,045,205; June 23.
Sharpe, John S., Haverford, Pa. Transmission mechanism. 2,045,495; June 23.
Sheets, William J., Sr., Bloomingdale, N. J. Narrow ware shuttle. 2,045,314; June 23.
Shelbley, Fred E., Cleveland Heights, assignor to The Grasselli Chemical Company, Cleveland, Ohio. Inhibitor and employing the same. 2,044,956; June 23.
Shields, John M., assignor to F. H. Noble & Co., Chicago, Ill. Metal edged box part. 2,045,374; June 23.
Shook, Florain J., Akron, Ohio, assignor to National-Standard Company, Niles, Mich. Process and apparatus for making drum built tires. 2,045,545; June 23.
Shore, Henry, Elizabeth, N. J., assignor to Radio Corporation of America. Phase modulation. 2,045,107; June 23.
Sibley, Robert L., Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, Wilmington, Del. Rubber vulcanization. 2,045,167; June 23.
Siegel, David T., Chicago, Ill. Switch. 2,045,417; June 23.
Sievers, Otto, Frankfort-on-the-Main-Hochst, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y. Condensation products of ketones with compounds of the diamino-acridinium series and preparing them. 2,044,892; June 23.
Silverman, Isaac D., New York, N. Y. Electrical wall cabinet. 2,044,860; June 23.
Simms, Charles H., Kentish Town, London, assignor to The General Electric Company Limited, London, England. Manufacture of photoelectric tubes. 2,045,418; June 23.
Simonds Worden White Company. (See Henry, Robert H., assignor.)
Sinden, James W., assignor to The Pennsylvania Research Corporation, State College, Pa. Mushroom spawn and making it. 2,044,861; June 23.
Singiser, John P., Chicago, Ill., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Sliding bed press. 2,045,375; June 23.
Sjuve, Ole, Hoiljord, near Tønsberg, Norway. Coin controlled vending apparatus. 2,045,206; June 23.
Skenandoa Rayon Corporation. (See Mattinson, Frank W., assignor.)
Skidmore, Elmer T., Highland Park, Ill. Folding stool or chair. 2,045,029; June 23.
Skinner, Charles K., Southport, Conn., assignor to General Electric Company. Vacuum cleaner. 2,045,496; June 23.
Skoglund, Joseph A., assignor to Constance Cronhardt, St. Paul, Minn. Hose holding stand. 2,045,336; June 23.
Smaltz, John C., assignor to McKiernan-Terry Corporation, New York, N. Y. Hoisting apparatus. 2,045,533; June 23.
Smets, Florent E. A. (See Chereau, L. N., Deloraine, Guilbaud, Smets, and Van Mierlo.)
Smidth, F. L., & Co. (See Fasting, Johan S., assignor.)
Smith, Charles T. (See Smith, Glen W. and C. T.)
Smith, Daniel L., San Francisco, Calif. Dispensing machine. 2,044,998; June 23.
Smith, Glen W. and C. T., The Dalles, Oreg. Brake system. 2,044,999; June 23.
Smith, Harry F., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,045,000; June 23.
Smith, Henry J., David City, Nebr. Traffic sign. 2,045,419; June 23.
Smith, James P., Portland, Oreg. Engine support. 2,044,920; June 23.
Smith, John P., Erlton, N. J., assignor to Radio Corporation of America. Television system. 2,045,315; June 23.
Smith, Milton B., Perrysburg, assignor to The Hettrick Manufacturing Company, Toledo, Ohio. Glider structure. 2,044,862; June 23.
Smith, Raymond D., Fairfield, Conn. Lock stop device. 2,045,001; June 23.
Smith, Roy D., Davenport, Iowa, assignor to Bee Line Manufacturing Company. Turning alignment gauge. 2,045,108; June 23.
Smith, Roy D., Davenport, assignor to Bee Line Manufacturing Company, Scott County, Iowa. Vehicle supporting and checking apparatus. 2,045,109; June 23.
Smithells, Colin J., Bushey, assignor to The M-O Valve Company Limited, London, England. Evacuated electric discharge vessel. 2,045,561; June 23.
Snapp Foundry Inc. (See Heatwole, John R., assignor.)
Sobie, Julius W., et al. (See Sobie, Sol, assignor.)
Sobie, Sol, Brooklyn, N. Y., assignor to J. D. Tarlowe, J. W. Sobie, and L. Kaufman. Ornamental composite fabric. 2,045,317; June 23.
Société Anonyme Francaise said: "Les Produits Chimiques Pure". (See Berthelemy, P., and Bayliocq, assignors.)
Society of Chemical Industry in Basle. (See Felix, F., and Huber, assignors.)
Sonotone Corporation. (See Nicholides, Emmanuel C., assignor.)
Sonotone Corporation. (See White, Sidney Y., assignor.)
Spase, Charles B., Syracuse, N. Y., assignor to I. Saks. Clutch testing and rebuilding device. 2,044,818; June 23.
Sperry, Philmore F., Chicago, Ill., assignor to Excel Auto Radiator Company. Air distributing device. 2,045,002; June 23.
Sperry Products Inc. (See Carter, Leslie F., assignor.)
Spless, Otto, New York, N. Y. Bathtub appliance. 2,045,110; June 23.
Spooner, Albert E., Renfrew, Ontario, Canada. Gate opening and closing device. 2,045,207; June 23.
Spring, Jack. (See Spring, Krischtof and J.)
Spring, Krischtof and J., Portland, Oreg. Burglar alarm. 2,045,285; June 23.
Stahle, William. (See Calem, B., and Stahle.)
Staley, Joseph H., Columbus, Ind. Seal for two-part mercury tube switch envelope. 2,045,003; June 23.
Standard Envelope Manufacturing Company, The. (See Pearce, Lewis C., assignor.)
Standard Oil Company. (See Flint, George W., assignor.)
Standard Oil Company. (See Voorhees, Vanderveer, assignor.)
Standard Oil Company of California. (See Williams, P. S., and Mineard, assignors.)
Stanelle, Arthur, Forest Junction, Wis. Weed eradicator. 2,045,376; June 23.
Stanley Works, The. (See Robinson, David M., assignor.)
Stegeman, Henry J., Fairfield, assignor to The Locke Steel Chain Company, Bridgeport, Conn. Lawn mower. 2,045,497; June 23.
Stein, Otto. (See Bruson, H. A., and Stein.)
Stern, Nathan, assignor to Alfred Tevee Maschinen- und Armaturen Fabrik G. m. b. H., Frankfort-on-the-Main, Germany. Grinding mill. 2,045,058; June 23.
Stevens, Horace D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire building apparatus. 2,045,534; June 23.
Stevenson, William M., Springfield, Mass., assignor to Chicopee Manufacturing Corporation, New Brunswick, N. J. Conditioning regenerated cellulose for use in the arts. 2,045,498; June 23.
Sticht, William F., Maplewood, N. J. Vibrating tooth brush. 2,044,863; June 23.
Stirlen, Eugene D. (See Haugh, H. A. Jr., Geer, and Stirlen.)
Stocker, Arthur C., Haddon Heights, N. J., assignor to Radio Corporation of America. Impedance coupled amplifier. 2,045,316; June 23.
Stocq, Edmond, Nice, France. Shock absorber for vehicles and other loads. 2,045,208; June 23.
Stone, Albert A., and R. Clarkson, Deptford, London, England. Packing machine. 2,045,337; June 23.
Stow, Mack. (See Langer, T. W., McBride, Carlson, Stow, and Clardy.)
Strauss, Irene, et al. (See Kaufmann, Johanna, assignor.)
Strebler, George L., St. Louis, Mo. Compressor. 2,044,957; June 23.

Stribeck, Richard, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany. Spark plug insulator. 2,045,318; June 23.
Strickland, Silas A., Detroit, Mich. Making roller bearing cages. 2,045,420; June 23.
Submarine Signal Company. (See Turner, Edwin E., Jr., assignor.)
Suess, Raymond P. (See Welch, J. W., and Suess.)
Sun Oil Company. (See Chatfield, Victor M., assignor.)
Sun Oil Company. (See Pew, Arthur E., Jr., assignor.)
Superior Steel Corporation. (See Klentz, Joseph C., Jr., assignor.)
Swanland, Frederick O., Philadelphia, Pa. Two-way hose check valve. 2,044,921; June 23.
Swift, Donald D., Hartford, and H. E. Roberton, East Hartford, assignors to M. Swift & Sons, Incorporated, Hartford, Conn. Metallic leaf with flexible backing. 2,044,922; June 23.
Swift, M., & Sons, Incorporated. (See Swift, D. D., and Roberton, assignors.)
Swiss Knitting Company (See Kattermann, Emil D., assignor.)
Tanner, Robert R., Highland Park, and H. J. Lodeesen, assignors to Metal Finishing Research Corporation, Detroit, Mich. Method of and material for coating metal. 2,045,490; June 23.
Tanzi, Guido, assignor to V. La Rosa & Sons, Inc., Brooklyn, N. Y. Macaroni die. 2,045,421; June 23.
Tarlowe, Joseph D., et al. (See Sobie, Sol, assignor.)
Taunton, Edmund M. (See Maley, A. W., and Taunton.)
Tautz, Herbert E., assignor to The Delta Manufacturing Company, Milwaukee, Wis. Shaper. 2,045,422; June 23.
Taylor, Carl R., Cleveland Heights, assignor to The Cream Cone Machine Company, Cleveland, Ohio. Cone rolling machine. 2,045,535; June 23.
Taylor, James G., Dayton, Ohio. Projectile. 2,044,819; June 23.
Taylor, William I. (See Dreyfus, H., and Taylor.)
Taylor, William I., Spondon, near Derby, England, assignor to Celanese Corporation of America. Manufacture of artificial materials. 2,045,377; June 23.
Technicolor, Inc. (See Troland, Leonard T., assignor.)
Technicolor Motion Picture Corporation. (See Rackett, Gerald F., assignor.)
Tennessee Valley Authority. (See Curtis, Harry A., assignor.)
Terry, Robin H. (See Boegehold, A. L., Schluchter, and Terry.)
Teves, Alfred, Maschinen-und Armaturen Fabrik G. m. b. H. (See Stern, Nathan, assignor.)
Texaco Salt Products Company. (See Langer, Theodore W., assignor.)
Texaco Salt Products Company. (See Langer, T. W., McBride, Carlson, Stow, and Clardy, assignors.)
Texas Company, The. (See Clarke, Louis A., assignor.)
Texas Company, The. (See Manley, R. E., McCarty, and Gross, assignors.)
Texas Company, The. (See Nelson, Roy F., assignor.)
Texas Pacific Coal & Oil Co. (See Zublin, Ernest W., assignor.)
Theis, Erich, Mannheim, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Cyanuric acid. 2,045,111; June 23.
Thieman, Frederick P. (See Renken, H. J., and Thieman.)
Thomas, George J., Birmingham, Mich. Brake mechanism. 2,044,958; June 23.
Thomas, Marion C., Post, Tex. Lister plow attachment for tractors. 2,045,209; June 23.
Thompson, Chester O (See Tong, J. W., and Thompson.)
Thompson, Elliott D., Abington, Mass., assignor of one-half to V. W. Peterson, Chicago, Ill. Bearing. 2,045,030; June 23.
Thompson, Harrison G., Montclair, and D. B. Hughes, Union City, N. J., assignors to LeCarbone Co., Gennevilliers, Seine, France. Battery. 2,044,923; June 23.
Thompson, Tom H., Detroit, Mich. Shrouded helical spring mounting for automobiles. 2,045,031; June 23.
Thomson, Judson I., Manufacturing Company. (See Havener, Arthur R., assignor.)
Thurber, Edward J., assignor of one-half to R. K. Rothrock, New Orleans, La. Automatic gear shifting device. 2,045,500; June 23.
Timken, Henry H., assignor to The Timken Roller Bearing Company, Canton, Ohio. Making brake drums. 2,044,924; June 23.
Timken Roller Bearing Company, The. (See Hexamer, Homer L., assignor.)
Timken Roller Bearing Company, The. (See Timken, Henry H., assignor.)
Tisdale, Wendell H. (See Calcott, W. S., Tisdale, and Flenner.)
Tisdale, Wendell H., Wilmington, Del., and L. S. Bake, Pennsgrove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Combined fungicidal and insecticidal spray materials. 2,044,959; June 23.
Titanium Alloy Manufacturing Company, The. (See Kinzie, Charles J., assignor.)
Tobin, Kenneth J., Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio. Closure means for stock cars. 2,045,168; June 23.
Tomplin, John R., Brooklyn, assignor to R. Hoe & Co., Inc., New York, N. Y.; Irving Trust Company, trustee. Web supply mechanism for printing machines. 2,045,059; June 23.
Tong, John W., and C. O. Thompson, Buffalo, N. Y. Automobile control device. 2,045,169; June 23.
Topping, John A., Bronxville, N. Y. Roofing and siding. 2,045,423; June 23.
Tosterud, Martin, Arnold, assignor to Aluminum Company of America, Pittsburgh, Pa. Stabilizing reflectors. 2,045,286; June 23.
Tracy, Michael J., Robertson, Mo. Speaking panel. 2,045,424; June 23.
Trico Products Corporation. (See Dysktra, George, assignor.)
Trico Products Corporation. (See Horton, Erwin C., assignor.)
Trico Products Corporation. (See Horton, E. C., and Hueber, assignors.)
Trico Products Corporation. (See Oishei, John R., assignor.)
Triploil Manufacturing Company. (See Crowley, H. G., and Riemenschnieder, assignors.)
Troland, Leonard T., Cambridge, Mass., assignor, by mesne assignments, to Technicolor, Inc, New York, N. Y. Making light sensitive films. 2,044,864; June 23.
Tropsch, Hans, assignor to Universal Oil Products Company, Chicago, Ill. Manufacture of unsaturated hydrocarbons. 2,045,255; June 23.
Turner, Edwin E., Jr., West Roxbury, assignor to Submarine Signal Company, Boston, Mass. Apparatus for measuring depths. 2,044,820; June 23.
Twiss, Doublas F. (See Willshaw, H., Twiss, Goodhall, and Jones.)
Tyrer, Daniel, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited. Production of sulphur, sulphur dioxide, and iron oxide. 2,044,960; June 23.
Ulrich, Heinrich. (See Koerding, P., Schoeller, and Ulrich.)
"Unichem" Chemikalien Handels A.-G. (See Schrauth, W., and Hueter, assignors.)
Union Switch & Signal Company, The. (See Bone, Herbert L., assignor.)
Union Switch & Signal Company, The. (See Devol, L., and Cravath, assignors.)
United Glass Bottle Manufacturers Limited, The. (See Judd, Harold J., assignor.)
United Research Corporation. (See Carpenter, Arthur W., assignor.)
United Research Corporation. (See Farrand, Clair L., assignor.)
United Research Corporation. (See Newcomer, Harry S., assignor.)
United Shoe Machinery Corporation. (See Baxter, William C., assignor.)
United Shoe Machinery Corporation. (See Cavanagh, James, assignor.)
United Shoe Machinery Corporation. (See Guinivan, Francis A., assignor.)
United States Appliance Corporation. (See Schleimer, Floyd V., assignor.)
United States Gypsum Company. (See Roos, C. K., and King, assignors.)
U. S. Hame Company. (See Glaser, John M., assignor.)
United States Rubber Products, Inc. (See Leaper, Percy J., assignor.)
U. S. Slicing Machine Company. (See Mahler, William, assignor.)
United Wood Heel Company. See Howe, Andrew F., assignor.)
Universal Crusher Company. (See Rosendahl, Nils M., assignor.)
Universal Hydraulic Corporation. (See Kinzie, Phillip A., assignor.)
Universal Oil Products Company. (See Comay, Salmen, assignor.)
Universal Oil Products Company. (See Morrell, Jacque C., assignor.)
Universal Oil Products Company. (See Tropsch, Hans, assignor.)
Upson, Maxwell M., Englewood, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y. Concrete sea wall. 2,045,112; June 23.
Urban, Alfred E., Saint Charles, assignor to American Hydroliger Company, Elmhurst, Ill. Fertilizer implement. 2,044,821; June 23.
Van Arsdell, Ernest, Indianapolis, Ind. Door check. 2,044,865; June 23.
Van Mierlo, Stanislas. (See Chereau, L. N., Deloraine, Guilbaud, Smets, and Van Mierlo.)
Vannah, Harold P. (See Richter, G. A., Vannah, and McMurtrie.)
Van Stone, Robert J., et al. (See Hill, Joseph M., assignor.)
Vaughn, Sidney P., U. S. Navy, Ackerman, Miss. Thermostatic snap action valve. 2,044,822; June 23.
Veldhuyzen, Romyn, Eindhoven, Netherlands, assignor to Radio Corporation of America. Detector. 2,044,925; June 23.
Vessey, Elton W., Pasadena, Calif. Apparatus for harvesting and packaging lettuce and the like. 2,045,149; June 23.

Vickers, Harry F., Washington, D. C. Cartridge plug. 2,045,004; June 23.
Viking Corporation. (See Goodman, Leo A., assignor.)
Voigt, Paul A., Ozone Park, and H. L. Rogers, Larchmont, assignors to Johns-Manville Corporation, New York, N. Y. Machine for inserting a compressed strip into a joint. 2,045,256; June 23.
Von Mandelsloh, Otto A. G., Dresden, assignor to the firm Chemische Fabrik Florsheim vorm. Dr. H. Noerdlinger Aktiengesellschaft, Florsheim-on-the-Main, Germany. Colloidal graphite suspensions. 2,045,501; June 23.
Voorhees, Vanderveer, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill. Wax sweating. 2,045,425; June 23.
Wade, John B., Los Angeles, assignor of one-half to H. J. McKenzie, San Marino, Calif. Proportionate feeding device. 2,045,502; June 23.
Wagner, Frederick H., assignor to The Bartlett Hayward Company, Baltimore, Md. Dust collector. 2,045,503; June 23.
Wagner, Max, Stuttgart, assignor to Daimler Benz Aktiengesellschaft, Stuttgart-Unterturkheim, Germany. Springing arrangement for power-driven vehicles. 2,045,210; June 23.
Waldes, Jindfich Prague, Czechoslovakia. Slide operated fastener. 2,045,504; June 23.
Wallwood Corporation. (See Griffin, H. H., and Burgent, assignors.)
Waner, Harry E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for making inner tubes for tires. 2,044,961; June 23.
Ward, John T. (See Gary, W. W., and Ward.)
Ward, Leo A., Jersey City, N. J. Plug valve. 2,045,113; June 23.
Warner Bros. Pictures, Inc. (See Jackman, Fred W., assignor.)
Warner, William R., & Co. (See Fowle, Irving H., assignor.)
Watrous, Lawrence K., Shafer, Minn. Apparatus and process for cooling roasted coffee, almonds, cocoa beans, peanuts, etc. 2,045,319; June 23.
Webster, Duane E., assignor to Norton Company, Worcester, Mass. Making rubber bonded abrasive articles. 2,044,962; June 23.
Welch, Bessie E., et al. (See Welch, J. W., and Suess, assignors.)
Welch, James W., Oakland, Calif., and R. P. Suess, Pittsburgh, Pa., assignors of three-fifths to B. E. Welch, Oakland, Calif., one-fifth to A. C. Munhall, Pittsburgh, Pa., and one-fifth to Screw Machine Specialty Company. Registering apparatus. 2,044,926; June 23.
Wendell, Evert J., Wayne, Pa. Centrifugal pump. 2,045,505; June 23.
Werner, Eugene. (See Deutsch, E., and Werner.)
Werner, Louis, et al. (See Deutsch, E., and Werner, assignors.)
Werner, Wilhelm. (See Wolff, P., and Werner.)
West, Arvid, Niagara, Wis. Apparatus for conditioning and maintaining highways. 2,045,426; June 23.
West, Halstead W., Detroit, Mich. Remote control for radio receivers. 2,044,927; June 23.
Western-Austin Company. (See Green, J. B., and Rathmell, assignors.)
Western Electric Company. (See Jeandron, H. T., and Morton, assignors.)
Westinghouse Air Brake Company, The. (See Baughman, George W., assignor.)
Westinghouse Air Brake Company, The. (See Dean, William E., Jr., assignor.)
Westinghouse Air Brake Company, The. (See Down, Sidney G., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, C. C., and Hewitt, assignors.)
Westinghouse Air Brake Company, The. (See Hewitt, Ellis E., assignor.)
Westinghouse Air Broke Company, The. (See Logan, John W., Jr., assignor.)
Westinghouse Air Brake Company, The. (See McCune, Joseph C., assignor.)
Westinghouse Air Brake Company, The. (See McKinstry, Charles H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Penney, Gaylord W., assignor.)
Wheatley, Robert L., Hammond, Ind. Overhead door construction. 2,045,060; June 23.
Whipperman, Frank, Omaha, Nebr. Agitating mixer. 2,045,170; June 23.
Whitacre, William H., Cleveland Heights, Ohio. Journal box assembly. 2,045,005; June 23.
White, Sidney Y., assignor, by mesne assignments, to Sonotone Corporation, New York, N. Y. Bone-conduction hearing-aid. 2,045,427; June 23.
Whitehall Patents Corporation. (See Marinsky, Davis, assignor.)
Whitehead, Charles E., Pittsburgh, Pa. Auxiliary wheel for automobiles. 2,045,506; June 23.
Whiteside, Howard A., New York, N. Y. Motorized handpiece. 2,044,823; June 23.
Whitfield, Richard B., Riverside, Calif. Combined coffee roaster and grinder. 2,045,211; June 23.
Wickersheim, Lyle W., Essex Fells, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Power supply circuit. 2,045,428; June 23.
Wiegand, William B., Sound Beach, Conn., assignor to Binney & Smith Company, New York, N. Y. Pigmented paints, varnishes, and lacquers, and manufacture of same. 2,045,006; June 23.
Wiegandt, Paul C., Brooklyn, N. Y. Beater. 2,045,171; June 23.
Wiley, William R., Detroit, Mich., assignor to The Bassick Company, Bridgeport, Conn. Hood catch. 2,045,320; June 23.
Wilhelm, John A., North Bend, and C. L. Blakely, Snoqualmie Falls, Wash. Steering gear. 2,044,893; June 23.
Williams, Philip S., Richmond, and G. E. Mineard, Berkeley, assignors to Standard Oil Company of California, San Francisco, Calif. Volume measuring device. 2,044,866; June 23.
Williamson, George A., Hygh Wycombe, and P. Holmes and J. Blackwood, Southall, England, assignors to The Firestone Tire and Rubber Company, Akron, Ohio. Mechanism for intermittently operating a member or element. 2,044,928; June 23.
Willis, John J., assignor of one-fifth to M. Willis, Comstock, N. Y. Coin detector. 2,044,824; June 23.
Willis, Mary. (See Willis, John J., assignor.)
Willman, Joseph J., Memphis, Tenn. Horse collar. 2,045,432; June 23.
Willshaw, Harry, D. F. Twiss, Wylde Green, S. N. Goodhall, Marsten Green, and F. A. Jones, Wylde Green, assignors to Dunlop Rubber Company, Erdington, Birmingham, England. Apparatus for treating balls with gases. 2,045,429; June 23.
Wilmington Fibre Specialty Company. (See Horvath, Artemy A., assignor.)
Wilson, Joseph R., assignor to M. A. Wilson, Ypsilanti, Mich. Making shaped ice cream articles. 2,044,894; June 23.
Wilson, Margaret A. (See Wilson, Joseph R., assignor.)
Wimmer, Robert. (See Muench, E., and Wimmer.)
Wine, William E., Toledo, Ohio. Railway car. 2,044,895; June 23.
Winter, Harry L., assignor of one-half to B. F. Everitt, Detroit, Mich. Hand sharpener. 2,045,430; June 23.
Winthrop Chemical Company. (See Sievers, Otto, assignor.)
Wirbatz, Wilhelm. (See Müller, R., Schenck, and Wirbatz.)
Woessner, John J., Maspeth, N. Y., assignor to Eberhard Faber Pencil Co. Pencil attached eraser holder. 2,045,431; June 23.
Wolff, Franklyn J., Morriaville, Pa. Mixing valve. 2,045,308; June 23.
Wolff, Paul, and W. Werner, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Water-soluble basic triphenylmethane dyestuffs and preparing them. 2,044,963; June 23.
Wood, Albert C. (See Allen, J. E., Blew, and Wood.)
Wood, John M., Cranston, assignor to Franklin Process Company, Providence, R. I. Cop-tube holder. 2,045,433; June 23.
Woodard, George H., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Regulating device for vacuum pumps. 2,044,867; June 23.
Woodruff, Henry S., Schenectady, N. Y., assignor to General Electric Company. Instrument panel for closed liquid heaters. 2,045,507; June 23.
Woytych, Raymond M., Fond du Lac, Wis. Speed indicator. 2,044,825; June 23.
Yerk, Henry H., and W. S. Palmer, Davenport, assignors, by mesne assignments, to The Micro Corporation, Bettendorf, Iowa. Slicing machine. 2,044,826; June 23.
Yoe, Alphus O., Talladega, Ala. Ophthalmic mounting. 2,045,508; June 23.
Young, John L., Chicago, Ill. Toothpick dispenser. 2,044,929; June 23.
Youngstown Steel Door Company, The. (See Lindeman, James E., assignor.)
Youngstown Steel Door Company, The. (See Tobin, Kenneth J., assignor.)
Yungblut, Gibson, assignor to The Baldwin Company, Cincinnati, Ohio. Musical instrument. 2,045,172; June 23.
Zeh, Martin. (See Lichte, H., Zeh, Glass, and Schwarz.)
Zerweck, Werner, Frankfort-on-the-Main/Fechenheim, Germany, assignors, to General Aniline Works, Inc., New York, N. Y. Sulphur dyestuffs. 2,044,868; June 23.
Zimmermann, August. (See Freedman, A. E., and Zimmermann.)
Zubaty, Joseph, Prague, Czechoslovakia. Synchronized driving mechanism. 2,044,930; June 23.
Zublin, Ernest W., assignor to Texas Pacific Coal & Oil Co., Fort Worth, Tex. Vapor phase cracking apparatus. 2,045,114; June 23.
Zuschlag, Theodor, Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y. Electrical analysis (method). 2,045,257; June 23.
Zuschlag, Theodor, Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y. Electrical analysis (apparatus). 2,045,258; June 23.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 23D DAY OF JUNE, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Blowout preventer and support. J. R. Martin. 20,017; June 23.
Circuit breaker, Automatic. J. Sachs. 20,018; June 23.
Coil, Refrigerating. E. R. Hopkins. 20,016; June 23.
Valve and making the same, Hollow forged. W. Scrimgeour. 20,014; June 23.
Webs, Method and apparatus for drying freshly printed. F. J. Tone. 20,015; June 23.

LIST OF PLANT INVENTIONS

Cherry tree, Ornamental. N. M. Smith. 188; June 23.
Peach. C. E. Sullivan. 186; June 23.
Rose. V. S. Hillock. 185; June 23.
Rose plant. W. Spandikow, Jr. 187; June 23.

LIST OF DESIGN INVENTIONS

Automobile. D. F. H. Fitzmaurice. 100,186; June 23.
Automobile. A. E. Northup. 100,119; June 23.
Automobile instrument panel. R. Mayer. 100,173; June 23.
Automobile service station island group base unit. A. P. Fox. 100,097; June 23.
Automobile transport. I. H. Judd. 100,164; June 23.
Badge or similar article. Z. H. Villanueva. 100,137; June 23.
Billboard. W. S. Brede. 100,086; June 23.
Block, Insulating building. C. J. Chaplin. 100,089; June 23.
Board, Game. O. H. and C. M. Eriksen. 100,095; June 23.
Boat. H. E. Bakenhus. 100,144; June 23.
Bottle. P. C. Leatherman. 100,109; June 23.
Bottle. F. McIntosh. 100,112; June 23.
Bottle. J. S. Steelman. 100,180; June 23.
Box or similar article, Finger ring. J. G. Allen. 100,142; June 23.
Box or similar article, Jewelry display. J. M. Shields. 100,177–8; June 23.
Bottle or similar container. G. Smith, Jr. 100,128; June 23.
Box or the like. A. Bates. 100,145; June 23.
Buckle. J. B. Freysinger. 100,158; June 23.
Burner, Oil. A. Thousand. 100,134; June 23.
Cabinet, Bar. D. C. Rockola. 100,124; June 23.
Cabinet for a sewing machine. E. G. France. 100,157; June 23.
Carton. B. H. Lengsfield. 100,110; June 23.
Ceiling, Metal. F. M. Vogan. 100,138; June 23.
Chair or similar article. H. J. Terker. 100,181–2; June 23.
Coat. M. Hiller. 100,104; June 23.
Container or similar article, Glass food. L. H. Scurlock. 100,126; June 23.
Dispenser or the like, Napkin. B. T. Hoffmaster. 100,105; June 23.
Doughnut machine. J. J. Morris. 100,176; June 23.
Drawer pull. F. W. McCormick and F. C. Ruppel. 100,111; June 23.
Fabric, Elastic. H. H. Busch. 100,151–4; June 23.
Fabric, Textile. N. E. Burgess. 100,184–5; June 23.
Fabric, Textile. L. N. Hale. 100,101; June 23.
Flask. J. M. Grigor. 100,162; June 23.
Freezer, Ice cream. J. R. Morgan. 100,114; June 23.
Handle for knives, forks, and similar articles. F. F. Ellingwood. 100,156; June 23.
Heater. K. H. Daegling. 100,091; June 23.
Heater. B. B. Kahn. 100,166; June 23.
Heater, Automobile. G. R. Graff. 100,159–61; June 23.
Heater, Circulating. J. B. Miller and W. P. Biddle, Jr. 100,113; June 23.
Holder, Cravat. V. T. Howard. 100,163; June 23.
Horological instrument. J. B. Brown. 100,150; June 23.
Jar, Tomato juice. J. Petaja. 100,122; June 23.
Lamp base or similar article. H. M. Laxer. 100,170; June 23.
Lamp, Electric. F. Furedy. 100,099; June 23.
Lighter, Cigar and cigarette. J. Kohen. 100,169; June 23.
Lighting unit. C. A. B. Halvorson. 100,102; June 23.
Nipple. J. Little. 100,171; June 23.
Ornament, Automobile. W. H. Coughlan. 100,090; June 23.
Ornament, Radiator cap. L. K. Franklin. 100,098; June 23.
Plate, Escutcheon. R. E. Patten. 100,121; June 23.
Plate, Flush. H. J. Carlson. 100,088; June 23.
Plate, Loose leaf binder. F. Bodenhofer. 100,085; June 23.
Plate or similar article. E. J. Johnson. 100,106–7; June 23.
Playsuit. H. Kaplan. 100,167; June 23.
Post, Bowling alley newel. F. Birren. 100,084; June 23.
Radio cabinet. L. Blazey. 100,146; June 23.
Radio cabinet. R. Z. Snyder. 100,129; June 23.
Radio cabinet. J. Stevens. 100,131–3; June 23.
Radio cabinet or similar article. C. L. Allison. 100,143; June 23.
Radio cabinet or similar article. R. D. Siragusa. 100,179; June 23.
Range. A. O. Spoeneman. 100,130; June 23.
Range, Combination coal and gas. H. Lange. 100,108; June 23.
Ring, Finger. J. Braun. 100,147; June 23.
Ring, Guarded finger. J. Braun. 100,148; June 23.
Scroll, Message. W. C. Helms. 100,103; June 23.
Shoe. B. Benjamin. 100,083; June 23.
Shoe. F. Faleck. 100,096; June 23.
Shoe. R. M. McQuillen. 100,174–5; June 23.
Shoe or similar article. S. Troy. 100,135–6; June 23.
Shoe or similar article. C. G. Wernmark. 100,140; June 23.
Shoe upper material. C. H. Daniels. 100,155; June 23.
Signal, Warning. F. E. Ward. 100,139; June 23.
Slipper. G. Del Re. 100,092–4; June 23.
Slipper. M. Shanger. 100,127; June 23.
Spoon or other article of flatware. A. G. Kintz. 100,168; June 23.
Sprinkler, Lawn. S. B. Butt. 100,087; June 23.
Step plate and signal casing, Combined. F. G. Thwaits. 100,183; June 23.
Stove ash pit, Solid fuel. W. F. Otis, H. H. Haas, and J. E. Otis. 100,120; June 23.
Table, Dining. W. Kalpakoff. 100,165; June 23.
Table or the like. F. W. Worth. 100,141; June 23.
Tank for bicycles, Accessory. J. R. Morgan. 100,115; June 23.
Thermometer or similar article, Desk. H. Germanow. 100,100; June 23.
Tire. H. A. Brittain. 100,149; June 23.
Tire. W. P. MacKusick. 100,172; June 23.
Tire, Vehicle. A. H. Nelien and F. Leopold, Jr. 100,116–18; June 23.
Tooth brush. V. E. Rominger. 100,125; June 23.
Type composing machine. F. H. Poeppelmeier. 100,123; June 23.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 23D DAY OF JUNE, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abradant holder. I. Bjornson. 2,044,896; June 23.
Abrasive articles, Making rubber bonded. D. E. Webster. 2,044,962; June 23.
Accounting machine. J. W. Bryce. 2,045,436; June 23.
Accounting machine. M. M. Goldberg. 2,044,842; June 23.
Accounting machine, Record controlled. J. W. Bryce. 2,045,434; June 23.
Accounting machine, Record controlled and record making. J. W. Bryce. 2,045,435; June 23.
Acid: *See*—
Cyanuric acid.
Adding machine. C. P. Evans. 2,044,975; June 23.
Aerating device. R. O. Couch. 2,045,442; June 23.
Agitating mixer. F. Whipperman. 2,045,170; June 23.
Aileron control system for aeroplanes. W. B. Henderson. 2,045,269; June 23.
Air conditioner. L. W. Child. 2,044,832; June 23.
Air distributing device. P. F. Sperry. 2,045,002; June 23.
Air to a furnace, Device for supplying hot. R. E. Luks. 2,045,194; June 23.
Aircraft with aerodynamically rotatable wings. J. S. Pecker. 2,045,051; June 23.
Airplane. R. F. Hall. 2,045,463; June 23.
Alarm, Burglar. K. and J. Spring. 2,045,285; June 23.
Alcohols to ethers, Conversion of. M. R. Fenske. 2,045,560; June 23.
Alloy. F. R. Hensel. 2,045,138; June 23.
Alloy. R. E. Paine. 2,045,236–47; June 23.
Altimeter for aircraft. L. Espenschied. 2,045,071; June 23.
Altitude of aircraft, Measuring. L. Espenschied. 2,045,072; June 23.
Aluminum furnace. H. Eldridge. 2,045,073; June 23.
Amplifier, Impedance coupled. A. C. Stocker. 2,045,316; June 23.
Amusement device. F. M. Pierce. 2,044,994–5; June 23.
Anesthetic solutions. D. Curtis. 2,045,125; June 23.
Animal grading device. O. Bush. 2,045,176; June 23.
Antiskid device. E. Coenning. 2,045,214; June 23.
Antiskidding device for automobiles. L. O. E. Roessel. 2,044,812; June 23.
Article and method by which "Ben Day" tones are photographically produced. F. E. Marsh and C. H. Anderson. 2,044,991; June 23.
Articles of clothing and the like, Cleaning. L. Angelus and D. L. Baylis. 2,044,828; June 23.
Artificial materials and making the same. R. P. Roberts, E. B. Johnson, and L. W. Gregory. 2,045,370; June 23.
Artificial materials, Manufacture of. W. I. Taylor. 2,045,377; June 23.
Ash receiver. R. F. De Boer. 2,045,449; June 23.
Assembling machine for stitching together fabric pieces. L. W. Joyce. 2,045,188; June 23.
Automatic grain meter. A. Létreux. 2,045,193; June 23.
Automobile control device. J. W. Tong and C. O. Thompson. 2,045,169; June 23.
Automobile top and operating means therefor. E. Deutsch and E. Werner. 2,045,344; June 23.
Axle bearing. V. A. Bary. 2,044,931; June 23.
Azo-dyestuffs. F. Felix and W. Huber. 2,045,323–4; June 23.
Azodyestuffs and making same, Substantive. H. Schindhelm. 2,044,891; June 23.
Bag closing machine. P. G. Schlemmer. 2,045,254; June 23.
Bag for golf-sticks and other stick-like articles, Self-supporting. H. T. Johnson. 2,045,147; June 23.
Ball, Inflatable. C. J. Crowley and P. S. Madsen. 2,044,836; June 23.
Balls with gases, Apparatus for treating. H. Willshaw, D. F. Twiss, S. N. Goodhall, and F. A. Jones. 2,045,429; June 23.
Bar and making same, Wire. K. A. Lindner. 2,045,277; June 23.
Base for braiding machines, Convertible. S. B. Blaisdell. 2,045,515; June 23.
Bathtub appliance. O. Spiess. 2,045,110; June 23.
Battery. H. G. Thompson and D. B. Hughes. 2,044,923; June 23.
Bearing: *See*—
Axle bearing. Slide bearing.
Bearing. T. Barish. 2,045,174; June 23.
Bearing. E. D. Thompson. 2,045,030; June 23.
Bearing and oiling system therefor. N. M. Rosendahl. 2,045,026; June 23.
Bearing cages, Making roller. S. A. Strickland. 2,045,420; June 23.

Bearings and blanks therefor, Making bronze. A. L. Boegehold, A. W. Schluchter, and R. H. Terry. 2,044,897; June 23.
Beater. P. C. Wiegandt. 2,045,171; June 23.
Beating engine. R. H. Henry. 2,044,847; June 23.
Belt and pulley measuring apparatus. T. L. Hedgpeth. 2,044,983; June 23.
Betaines and preparing the same. A. Girard and G. Sandulesco. 2,045,132; June 23.
Binder, Grain. E. F. Huddle. 2,045,144; June 23.
Binder, Loose-leaf. P. A. Marihugh. 2,045,040; June 23.
Bird cage protector. J. and E. Kearney. 2,045,472; June 23.
Blade for lawn mowers, Stationary. F. P. Gottschalk. 2,045,386; June 23.
Blinker for daylight signals, Headlight. B. B. Moore. 2,045,045; June 23.
Block: *See*—
Follow block. Wood block.
Insulating building block.
Boat construction. M. D. Carr, Jr. 2,044,771; June 23.
Boiler: *See*—
Superheater boiler.
Bottle. J. M. Guthrie. 2,045,388; June 23.
Bottle, Nonrefillable. J. R. Marshall. 2,045,278; June 23.
Bowl, Self-draining separator. S. Beskow. 2,045,116; June 23.
Box and making the same, Paper. C. L. Claff. 2,044,935; June 23.
Box part, Metal edged. J. M. Shields. 2,045,374; June 23.
Bracelet. A. H. Metcalf. 2,045,282; June 23.
Brackets, Producing orthodontic band. S. Richardson. 2,045,025; June 23.
Brake: *See*—
Fluid pressure brake. Speed controlled brake.
Brake. A. Y. Dodge. 2,044,973; June 23.
Brake. R. A. Goenfrich. 2,045,010; June 23.
Brake. L. E. La Brie. 2,044,989–90; June 23.
Brake. L. E. La Brie and A. Rosner. 2,044,988; June 23.
Brake and clutch, Rolling pressure. M. B. A. Doring. 2,045,179; June 23.
Brake control, Locomotive. C. H. McKinstry. 2,045,159; June 23.
Brake controlling device. S. G. Down. 2,045,181; June 23.
Brake controlling device. J. W. Logan, Jr. 2,045,155; June 23.
Brake drums, Making. H. H. Timken. 2,044,924; June 23.
Brake mechanism. G. J. Thomas. 2,044,958; June 23.
Brake mechanism, Automatic. C. B. House. 2,044,944; June 23.
Brake system. G. W. and C. T. Smith. 2,044,999; June 23.
Brakes, Apparatus for the control of railway train. L. Devol and A. M. Cravath. 2,045,522; June 23.
Braking apparatus, Railway. H. L. Bone. 2,044,762; June 23.
Braking mechanism for automobiles and other vehicles, Adjustment of. J. A. Furness. 2,045,223; June 23.
Bread, Manufacture of. L. S. Harber and J. E. Pointon. 2,045,228; June 23.
Bread slicer. W. Mahler. 2,045,481; June 23.
Bread slicing machine. H. J. Criner. 2,044,835; June 23.
Brooch and the like. W. Goetz. 2,045,885; June 23.
Brush. R. T. Scully and O. C. Rieger. 2,045,373; June 23.
Brush holder. O. F. Holmberg. 2,044,985; June 23.
Bucket. J. D. Renfroe. 2,045,252; June 23.
Buckle. J. B. Graves. 2,045,078; June 23.
Building element. N. P. Harshberger and S. A. Ochs. 2,044,787; June 23.
Building material, Curing. N. P. Harshberger. 2,044,786; June 23.
Building structure. W. W. Maier. 2,045,482; June 23.
Buildings, Construction of. H. Griesel. 2,044,844; June 23.
Burial cases, Removable interior for. E. C. Bowler, Jr. 2,044,967; June 23.
Burner: *See*—
Gas burner.
Cabinet, Electrical wall. I. D. Silverman. 2,044,860; June 23.
Cabinet or the like, Physician's. H. G. Evans. 2,045,264; June 23.
Cable, Reenforced sheathed. S. J. Rosch. 2,045,104; June 23.
Cable tool joint. G. C. Davison. 2,045,520; June 23.
Calcium salts of aldonic acids and resulting products, Crystallizing. H. S. Isbell. 2,044,793; June 23.
Calcium sulphate, Preparation of finely divided. W. W. Heckert. 2,044,942; June 23.

Calculating machine. H. T. Avery and G. Lerch. 2,044,978; June 23.
Calculating machine. C. M. F. Friden. 2,044,977; June 23.
Calculating machine. R. L. Muller. 2,045,021; June 23.
Calendar, Mechanical. I. Povelsen. 2,044,808; June 23.
Calk plate, Log gripping. C. L. Bower. 2,045,066; June 23.
Can labeling machines, Attachment for. G. A. and G. V. Bardet. 2,045,287; June 23.
Cap, Eyelid. W. G. Bauer. 2,044,965; June 23.
Car braking apparatus for railroads. J. Rabourdin. 2,045,201; June 23.
Car, Radiator. F. A. Neveu. 2,044,952; June 23.
Car, Railway. W. E. Wine. 2,044,895; June 23.
Carton. H. L. Greve. 2,044,979-80; June 23.
Cartridge plug. H. F. Vickers. 2,045,004; June 23.
Case for toilet articles, Illuminated. H. H. Howland. 2,045,013; June 23.
Cash register. C. W. Green. 2,045,325; June 23.
Casket. R. J. Beatty. 2,044,872; June 23.
Catch for wrist watch bands, bracelets, necklaces, and other jewelry, Safety. E. M. Alkin. 2,044,869; June 23.
Catch, Hood. W. R. Wiley. 2,045,320; June 23.
Cathodes, Device for heating incandescible. A. Kuntke. 2,045,034; June 23.
Cellular material and making same. T. C. Pond. 2,045,099; June 23.
Cellulose acetate products and producing same. R. Müller M. Schenck, and W. Wirbatz. 2,045,161; June 23.
Cellulose for use in the arts, Conditioning regenerated. W. M. Stevenson. 2,045,498; June 23.
Cellulose products, Manufacture of. H. Dreyfus. 2,045,345; June 23.
Centrifugal pump. E. J. Wendell. 2,045,505; June 23.
Characters, Arrangement for the regular formation of. J. Kaufmann. 2,045,360; June 23.
Churn dasher mechanism. D. H. Renegar. 2,045,334; June 23.
Chute, Coin. C. B. Gorton. 2,044,843; June 23.
Cigar wrapping and banding machine. A. W. Kath. 2,044,947; June 23.
Circuit closer, Mercury tube electric. A. C. Howard. 2,044,882; June 23.
Circuit, Power supply. L. W. Wickersheim. 2,045,428; June 23.
Clamp for electric wires, Junction. C. E. Chatfield. 2,045,547; June 23.
Clamps, Making. C. A. Laemmel. 2,045,327; June 23.
Cleaner: *See*—
Suction cleaner. Windshield cleaner.
Vacuum cleaner.
Cleaning device for circular knitting machinery. G. W. Allred. 2,045,509; June 23.
Cleansing and deodorizing device for closet bowls. J. D. Keillor. 2,045,473; June 23.
Clinometer for surveying diamond drill holes. A. Carlson. 2,045,342; June 23.
Closure for bottles, jars, and similar containers. C. D. and H. Magnesen. 2,045,480; June 23.
Closure for collapsible tubes. H. D. Davis. 2,044,837; June 23.
Closure for tile blocks, End. G. B. Kissinger. 2,045,033; June 23.
Closure means for stock cars. K. J. Tobin. 2,045,168; June 23.
Closures, Apparatus for the manufacture of metal. L. R. N. Carvalho. 2,045,121; June 23.
Clutch: *See*—
Elastic clutch.
Clutch. G. W. Emrick. 2,045,452; June 23.
Clutch elements, Making friction. G. W. Emrick. 2,045,453; June 23.
Clutch mechanism. J. O. Almen and A. Laszlo. 2,045,557; June 23.
Clutch mechanism. M. G. Giordano. 2,045,131; June 23.
Clutch testing and rebuilding device. C. B. Spase. 2,044,818; June 23.
Coated article and composition therefor. E. R. Bush. 2,044,770; June 23.
Cobalt, Production of. F. L. Bosqui. 2,045,212; June 23.
Cock with rotary continuous distributor for machines to fill bottles with liquid under pressure. A. Gély. 2,045,077; June 23.
Coffee, almonds, cocoa beans, peanuts, etc., Apparatus and process for cooling roasted. L. K. Watrous. 2,045,319; June 23.
Coin detector. J. J. Willis. 2,044,824; June 23.
Collapsible tube. G. Kellner. 2,045,190; June 23.
Collar holder. M. H. Gronauer. 2,045,462; June 23.
Colored and flameproofed material. F. W. Hochstetter. 2,045,139; June 23.
Communication system. H. T. Jeandron and A. R. Morton. 2,045,146; June 23.
Communication system, Duplex. E. Gerhard. 2,045,224; June 23.
Commutator. G. W. Penney. 2,045,405; June 23.
Compass, Drafting. B. W. Hanle. 2,045,298; June 23.
Compass, Gyroscopic. L. F. Carter. 2,044,899; June 23.
Compressor. H. W. Kenney and A. R. Constantine. 2,045,014; June 23.
Compressor. G. L. Strebler. 2,044,957; June 23.
Compressor, Rotary. C. J. Beust. 2,044,873; June 23.
Concentrator, Dry. E. L. Dreifus. 2,044,775; June 23.

Condensation products of ketones with compounds of the diamino-acridinium series, and preparing them. O. Sievers. 2,044,892; June 23.
Conductor. E. M. Deems. 2,045,126; June 23.
Conductor, Insulated. S. J. Rosch. 2,045,103; June 23.
Cone rolling machine. C. R. Taylor. 2,045,535; June 23.
Confection package, Frozen. I. H. Fowle. 2,045,183; June 23.
Connecter device, Resistor. J. M. Bowman. 2,045,362; June 23.
Connecting means. H. A. Douglas. 2,044,974; June 23.
Constructional element, Space closing. F. A. Schadler. 2,045,055; June 23.
Container: *See*—
Powder container.
Reenforced hydrated cellulose container.
Container and liquid-tight liner therefor. G. V. Haven. 2,045,354; June 23.
Container and making same, Explosive charge. W. B. Hardigg. 2,044,780; June 23.
Control apparatus. P. P. Cioffi. 2,045,438; June 23.
Control for toric friction transmission. J. O. Almen and W. D. Gove. 2,045,558; June 23.
Control for radio receivers, Remote. H. W. West. 2,044,927; June 23.
Control system. R. S. Elberty, Jr. 2,045,381; June 23.
Control system. H. S. Ogden and J. J. Casby. 2,045,485; June 23.
Conversions of mechanical and thermal energy, Process of and apparatus for performing. A. F. Lebre. 2,045,152; June 23.
Cooker, Pressure. L. L. Ludington. 2,045,303; June 23.
Cooler: *See*—
Milk cooler.
Cooler. R. W. Cole. 2,045,440; June 23.
Cooling apparatus. G. C. Coverston. 2,045,215; June 23.
Cooling or refrigerating body. J. M. Hill. 2,044,943; June 23.
Cooling unit and drip pan, Combined. R. W. Kritzer and A. F. Hoesel. 2,045,529; June 23.
Cooling units and combination air circulator and drip pan for the same. R. W. Kritzer. 2,045,528; June 23.
Cop-tube holder. J. M. Wood. 2,045,433; June 23.
Cop winding machine. W. Reiners and G. Kahlisch. 2,045,202; June 23.
Core, Collapsible molding. J. O. Almen. 2,045,556; June 23.
Corncrib and granary. P. J. Hegnes. 2,045,082; June 23.
Corset. O. D. Mowry. 2,045,401; June 23.
Cotton fabric and process. W. Eustis and J. E. Noonan. 2,044,937; June 23.
Coupling. J. B. Brelsford. 2,044,768; June 23.
Cover for manhole frames or the like. W. E. Illig. 2,045,083; June 23.
Crystalling process. T. W. Langer. 2,045,301; June 23.
Current arc welding, Alternating. G. G. Landis. 2,044,798; June 23.
Current contact of fluids by centrifugal action, Securing counter. W. J. Podbielniak. 2,044,996; June 23.
Curtain suspension device. R. F. Carpenter. 2,045,007; June 23.
Cyanuric acid. E. Theis. 2,045,111; June 23.
Cylinder for printing presses, Adjustable plate. A. T. Koppe. 2,045,151; June 23.
D-trans-II-oxo-camphor from iso-ketopinic acid, Preparing. Y. Asahina and M. Ishidate. 2,045,062; June 23.
Depths, Apparatus for measuring. E. E. Turner, Jr. 2,044,820; June 23.
Dessert preparation. H. G. Lorenzen. 2,045,019; June 23.
Detector: *See*—
Coin detector.
Detector. R. Veldhuyzen. 2,044,925; June 23.
Die: *See*—
Macaroni die. Metal-extruding die.
Diode detector and amplifier circuit, Combined. D. G. Burnside. 2,045,290; June 23.
Discharge mechanism for concrete mixers and analogous apparatus. J. C. Merwin and C. F. Ball. 2,045,582; June 23.
Dispenser: *See*—
Toothpick dispenser.
Dispensing machine. D. L. Smith. 2,044,998; June 23.
Door, Articulated overhead. D. M. Robinson. 2,045,101; June 23.
Door, Car. E. G. Busse. 2,045,291; June 23.
Door check. E. Van Arsdel. 2,044,865; June 23.
Door check and closer. F. C. Garrison. 2,045,076; June 23.
Door construction, Overhead. R. L. Wheatley. 2,045,060; June 23.
Door control, Automobile. E. Grieshaber. 2,044,903; June 23.
Door, Fireproof. V. C. Porter. 2,045,367; June 23.
Door, Flush car. J. E. Lindeman. 2,045,154; June 23.
Door, Overhead. D. M. Robinson. 2,045,100; June 23.
Doorknob, Sanitary. M. Heisig. 2,044,904; June 23.
Doser. R. L. Humbard. 2,044,945; June 23.
Draft eliminator for windows. T. W. Neumuth. 2,044,916; June 23.
Draughtboard or checkerboard. E. J. Boland. 2,045,339; June 23.
Draw works. T. S. Dietle. 2,045,220; June 23.
Drawing device. R. E. Anderson. 2,044,760; June 23.

Dress protector. R. E. Katz and W. S. Kline. 2,045,359; June 23.
Dressing and polishing agents. L. Kollek, and M. Jahrstorfer. 2,045,393; June 23.
Drill: *See*—
Earth boring drill. Wagon drill.
Drill rig, Portable. J. C. Curtis. 2,044,878; June 23.
Drill steel extractor. J. C. Curtis. 2,044,877; June 23.
Drilling apparatus. L. W. Greve and J. C. Curtis. 2,044,880; June 23.
Drive for indicator elements. W. H. Cooper and C. A. Pinkham. 2,045,263; June 23.
Drive for parcel post machines, Control. G. W. Lawrence. 2,045,543; June 23.
Driving mechanism, Synchronized. J. Zubaty. 2,044,930; June 23.
Duplicating machine. J. W. Hernlund and H. Jagger. 2,044,984; June 23.
Duplicating machine. A. Marchev. 2,045,020; June 23.
Dust collector. F. H. Wagner. 2,045,503; June 23.
Dyes and their production, Cupriferous polyazo. W. Lange and U. Dreyer. 2,045,090; June 23.
Dyestuff derived from 3,3'-dibromo-indanthrene and making same, Vat. W. M. Murch. 2,044,993; June 23.
Dyestuff preparation. R. Herz and W. Brunner. 2,044,790; June 23.
Dyestuff paste for printing cloth, Leuco vat. C. Krauss and A. Hagenböcker. 2,045,477; June 23.
Dyestuffs and preparing them, Water-soluble basic triphenylmethane. P. Wolff and W. Werner. 2,044,963; June 23.
Dyestuffs of the indigo series, and producing same, Stable reduction products of. E. Muench and R. Wimmer. 2,045,553; June 23.
Dyestuffs, Sulphur. W. Zerweck. 2,044,868; June 23.
Dynamometer. E. N. Kemler. 2,045,474; June 23.
Earth boring drill. E. A. Reed. 2,045,368; June 23.
Elastic clutch. A. Kästner. 2,045,086; June 23.
Electric incandescent lamp. J. Bergmans. 2,045,512; June 23.
Electric indicator for comparing field intensities. E. Kramar. 2,044,852; June 23.
Electric motor. V. E. Carlson. 2,045,293; June 23.
Electric motor. C. Desontter. 2,045,218–19; June 23.
Electric system, gearing and control for motor vehicles. A. H. Neuland. 2,045,197; June 23.
Electrical analysis (apparatus). T. Zuschlag. 2,045,258; June 23.
Electrical analysis (method) T. Zuschlag. 2,045,257; June 23.
Electrical and key operated lock, Combined. F. Honsel. 2,045,186; June 23.
Electrical plug. M. Leon. 2,044,948; June 23.
Electromagnet. F. J. Redmond and J. N. Reynolds. 2,045,409; June 23.
Electron discharge tube. J. H. O. Harries. 2,045,527; June 23.
Emulsions and apparatus for carrying out such method, Breaking. G. L. Hassler. 2,045,465; June 23.
Engine: *See*—
Beating engine.
Engine installations, Combined reciprocating and turbine. S. S. Cook. 2,045,322; June 23.
Engine support. J. P. Smith. 2,044,920; June 23.
Engine with combined admission and exhaust valve gear, Four-stroke-cycle. A. L. Cases. 2,045,122; June 23.
Envelope machine. L. C. Pearce. 2,045,490; June 23.
Equipment for spinning machinery. M. F. Haas. 2,045,079; June 23.
Eraser holder, Pencil attached. J. J. Woessner. 2,045,431; June 23.
Esters of cellulose, Making organic. C. Dreyfus and G. Schneider. 2,044,776; June 23.
Ether, Means and composition for the stabilization of divinyl. R. T. Major and W. L. Ruigh. 2,044,800; June 23.
Ether suitable for general anesthesia, Production of stabilized divinyl. R. T. Major and W. L. Ruigh. 2,044,801; June 23.
Exhibitor, Changeable. J. Petersen and C. R. Bushnell. 2,045,249; June 23.
Expansion joint. C. E. Kyte and R. F. Reid. 2,045,089; June 23.
Extension table. J. Cooper. 2,045,441; June 23.
Extractor: *See*—
Drill steel extractor.
Fabric: *See*—
Ornamental composite fabric. Ornamental woven fabric.
Fabric for humidification of air and method of making. L. L. Heffner. 2,045,137; June 23.
Facsimile system. E. N. Chereau, E. M. Deloraine, L. R. Guilband, F. E. A. Smets, and S. Van Mierlo. 2,044,831; June 23.
Fastener: *See*—
Separable fastener. Slide operated fastener.
Feeding device, Proportional. J. B. Wade. 2,045,502; June 23.
Fertiliser implement. A. E. Urban. 2,044,821; June 23.
Fiber articles, Manufacture of impregnated. G. A. Richter and M. O. Schur. 2,045,410; June 23.
Figures from tuft yarn balls, Making animal. J. E. Levy and C. Mangiapani. 2,044,949; June 23.
Filaments and similar materials, Manufacture of artificial. E. Kinsella. 2,045,326; June 23.
Film from plastic material, Producing continuous. H. A. Levey. 2,045,328; June 23.
Film lubricating device. G. F. Rackett. 2,044,810; June 23.
Film printing machine, Continuous. A. E. Freedmann and A. Zimmerman. 2,045,549; June 23.
Films, foils, and the like containing cellulose derivatives, Manufacture of. H. Dreyfus. 2,045,348; June 23.
Films, Making light sensitive. L. T. Troland. 2,044,864; June 23.
Finishing machine. R. Monforte. 2,045,331; June 23.
Fire extinguishing foam, Production of. L. C. Miller. 2,045,400; June 23.
Fish canning machine. W. E. Rooney. 2,044,813; June 23.
Fixture for gears. M. M. Matchett. 2,045,156; June 23.
Flexible metal tube. R. Debenedetti. 2,044,900; June 23.
Float valve. V. E. Schmiedeknecht. 2,044,816; June 23.
Floor and roof construction. D. Brown. 2,045,117; June 23.
Floor machine. R. A. Ponselle. 2,045,406; June 23.
Flooring, Flexible wood. A. Elmendorf. 2,045,382; June 23.
Flowerpot. H. J. Judd. 2,045,189; June 23.
Flue for gas ranges, Adjustable. J. Becvar. 2,044,761; June 23.
Fluid center article. T. W. Miller. 2,044,913; June 23.
Fluid flow measuring means. J. M. Naiman. 2,044,806; June 23.
Fluid pressure brake. C. C. Farmer and E. E. Hewitt. 2,045,182; June 23.
Fluid pressure brake. E. E. Hewitt. 2,045,185; June 23.
Fluid pressure brake. J. C. McCune. 2,045,158; June 23.
Flux. F. M. Levy. 2,045,017; June 23.
Foam, Preventing. C. Iddings and J. N. Kennedy. 2,045,551; June 23.
Follow block. J. S. Nevitt. 2,045,047; June 23.
Footrest for operating chairs. A. J. May. 2,044,992; June 23.
Form, Adjustable hat. L. Kalvin. 2,045,231; June 23.
Form relating means. S. S. Colt. 2,044,833; June 23.
Forms or diaphragms, Apparatus for preparing molded deep. F. Raffles. 2,045,163; June 23.
Frame for combustion engines, Welded. J. Radloff. 2,045,493; June 23.
Free wheeling device with automatic control. E. R. Evans. 2,044,901; June 23.
Froth flotation concentration of ores. C. H. Keller. 2,044,851; June 23.
Fuel distributing means for stokers. J. A. Hoffman. 2,045,357; June 23.
Fuel injection system. A. M. Rothrock. 2,044,814; June 23.
Furnace: *See*—
Aluminum furnace.
Game. H. W. Goewey. 2,045,460; June 23.
Game apparatus. J. V. Dean. 2,045,217; June 23.
Game, Apparatus for playing a new. S. L. Jarvis. 2,044,906; June 23.
Garment. E. D. Kattermann. 2,045,391; June 23.
Garment or ironing press. E. Davis. 2,045,447; June 23.
Garment, Protective. R. Mathias. 2,045,157; June 23.
Gas burner. H. R. Palmer. 2,044,953; June 23.
Gaseous luminous lamp. R. Barthelemy. 2,045,288; June 23.
Gases, Apparatus for diffusing. O. G. Bennett. 2,045,379; June 23.
Gases, Purification of. J. G. Coutant. 2,045,519; June 23.
Gate for vehicles, End. P. Payette. 2,045,489; June 23.
Gate opening and closing device. A. E. Spooner. 2,045,207; June 23.
Gauge: *See*—
Plow depth gauge. Turning alignment gauge.
Gear: *See*—
Steering gear.
Gear noise, Device for testing. J. D. Rovick. 2,044,955; June 23.
Gear shifting device, Automatic. E. J. Thurber. 2,045,500; June 23.
Glass, Safety. E. L. Fix. 2,045,130; June 23.
Glasses. H. B. McMurdo. 2,045,399; June 23.
Glider structure. M. B. Smith. 2,044,862; June 23.
Glove and manufacturing the same, Knitted fabric. C. R. Kovar. 2,044,909; June 23.
Golf club joint. A. A. Kraeuter. 2,045,273; June 23.
Grader, Elevating. J. B. Green and J. M. Rathmell. 2,045,387; June 23.
Grading and sorting machine. S. Guttmann. 2,044,981; June 23.
Gradometer. A. Kreidler. 2,045,191; June 23.
Graphite suspensions, Colloidal. O. A. G. von Mandelsloh. 2,045,501; June 23.
Grinding mill. N. Stern. 2,045,058; June 23.
Gun filler, Grease. R. J. Gray. 2,045,297; June 23.
Gun sight. C. G. Lundgren. 2,044,855; June 23.
Hacksaw blade. L. Salvador. 2,045,105; June 23.
Hair curler. J. Charles. 2,045,213; June 23.
Hair waving heater, Electrical. F. V. Schleimer. 2,045,056; June 23.

Hame. J. M. Glaser. 2,044,939; June 23.
Handbag. B. Calem and W. Stahle. 2,044,874; June 23.
Handle: *See*—
Snake handle.
Handpiece, Motorized. H. A. Whiteside. 2,044,823; June 23.
Harbor. H. M. Knight. 2,044,795; June 23.
Headrest extension for barber chairs. L. B. Glasgow. 2,045,225; June 23.
Hearing-aid, Bone-conduction. S. Y. White. 2,045,427; June 23.
Heater: *See*—
Hair waving heater.
Heating and ventilating apparatus. A. B. Modine. 2,045,044; June 23.
Heating at controlled temperatures, Apparatus for. R. Heilbach. 2,045,466; June 23.
Heel trimming machine. H. Lyon. 2,045,329; June 23.
High frequency collecting and radiating structure. M. P. Hanson. 2,044,779; June 23.
Highways, Apparatus for conditioning and maintaining. A. West. 2,045,426; June 23.
Hoist attachment, Knee-action. E. F. Baird. 2,045,173; June 23.
Hoisting apparatus. J. C. Smaltz. 2,045,533; June 23.
Holder: *See*—
Abradant holder. Cop-tube holder.
Brush holder. Eraser holder.
Collar holder.
Horse collar. J. J. Willman. 2,045,432; June 23.
Hose for air lines, Manufacturing rubber. A. B. Chambers. 2,045,123; June 23.
Hose for high pressure hydraulic braking systems, Flexible. R. Laguldara. 2,044,887; June 23.
Hose holding stand. J. A. Skoglund. 2,045,336; June 23.
Hosiery and making the same. J. H. Baugh. 2,044,966; June 23.
Housing, Electrode. W. S. Hough. 2,045,229; June 23.
Hydrocarbons, Manufacture of unsaturated. H. Tropsch. 2,045,255; June 23.
Hydroxide solutions, Purifying alkali metal. F. Overdick and H. Corke. 2,044,888; June 23.
Ice cream articles, Making shaped. J. R. Wilson. 2,044,894; June 23.
Ice cube release, Automatic. J. Roberts. 2,045,371; June 23.
Icing mechanism. C. J. Hornkohl and F. Deppe. 2,045,272; June 23.
Ignition for burners, Electric. W. H. De Lancey. 2,045,178; June 23.
Indicator: *See*—
Speed indicator. Wind direction.
Induction system for internal combustion engines. W. Helmore and A. A. Griffith. 2,045,389; June 23.
Indulines, Manufacture of water-insoluble. A. Conzetti. 2,045,069; June 23.
Inhibitor and process employing the same. F. E. Sheibley. 2,044,956; June 23.
Insecticidal spray materials. W. S. Calcott, W. H. Tisdale, and A. L. Flenner. 2,044,934; June 23.
Insulating building block. C. J. Chaplin. 2,045,546; June 23.
Insulating composition. A. A. Horvath. 2,045,468; June 23.
Insulating machine. C. J. Keller and J. Q. Holmes. 2,045,087; June 23.
Insulator and making the same, Electrical. F. H. Riddle. 2,045,494; June 23.
Insulator, Spark plug. R. Stribeck. 2,045,318; June 23.
Intermediates and dyestuffs of the anthrimide type. R. N. Lulek and C. F. Belcher. 2,045,304; June 23.
Jack: *See*—
Pneumatic jack.
Jack positioning mechanism. E. J. Leary. 2,045,016; June 23.
Jacquard machine. K. Petzoldt. 2,045,162; June 23.
Joint: *See*—
Cable tool joint. Golf club joint.
Expansion joint.
Journal box assembly. W. H. Whiteacre. 2,045,005; June 23.
Journal box construction. H. L. Hexamer. 2,044,905; June 23.
Knife, Safety. J. M. Kuhar. 2,045,192; June 23.
Knitting needle. J. H. Graham. 2,045,267–8; June 23.
Lacquer from phenol-aldehyde condensation products, Preparing air-drying. F. Seebach. 2,044,859; June 23.
Lamp: *See*—
Gaseous luminous lamp. Electric incandescent lamp.
Lap winding machine. R. M. Jones. 2,045,469; June 23.
Lapping and honing machine. W. A. Oubridge. 2,045,488; June 23.
Last. F. A. Guinivan. 2,045,541; June 23.
Last and making the same, Rebuilt shoe. L. W. Reinhardt. 2,045,309; June 23.
Last centering device. L. W. Reinhardt. 2,045,310; June 23.
Latch mechanism, Window. J. Parsons. 2,045,198; June 23.
Lathe or like machine, Multispindle automatic. W. Ogilvie. 2,045,486; June 23.
Laundry assorting mechanism. A. F. Hanney. 2,045,351; June 23.
Leaf with flexible backing, Metallic. D. D. Swift and H. E. Roberton. 2,044,922; June 23.
Leather tanning. C. Kannel. 2,044,946; June 23.
Leer. G. W. Batchell. 2,045,259; June 23.
Lettuce and the like, Apparatus for harvesting and packaging. E. W. Vessey. 2,045,149; June 23.
Lifter: *See*—
Tee and ball lifter.
Light control, Automatic. J. J. Kundig. 2,045,274; June 23.
Light reflecting means. C. D. Ryder. 2,044,997; June 23.
Lighter. M. Gabritsch. 2,045,457; June 23.
Lighter, Cigarette. I. Florman. 2,045,456; June 23.
Lime, magnesia- and acid-resisting sulphonates produced from unsaturated fatty alcohols. W. Schrauth and R. Hueter. 2,044,919; June 23.
Liners in brake drum shells, Centrifugally casting. W. D. Sargent. 2,044,815; June 23.
Link transmission, Push-pull. H. W. Clute. 2,045,261; June 23.
Lister plow attachment for tractors. M. C. Thomas. 2,045,209; June 23.
Liquids, Apparatus for cooling and aerating. P. W. Ehle. 2,045,009; June 23.
Liquors, Accelerated aging of distilled. W. A. Carrell. 2,044,898; June 23.
Liquors, Mercerizing. J. Feldmann. 2,045,074; June 23.
Liver extract, Production of. F. Fenger. 2,045,266; June 23.
Loading machine. F. Cartlidge. 2,045,008; June 23.
Loaf feeding attachment for bread wrapping machines. L. Ferenci. 2,044,902; June 23.
Lock: *See*—
Electrical and key operated lock.
Lock stop device. R. D. Smith. 2,045,001; June 23.
Locomotive. A. P. Armington. 2,045,510; June 23.
Looms, Electric stop motion for. G. V. Morin. 2,045,364; June 23.
Lounge, Studio. U. B. McMurtry. 2,044,803; June 23.
Lubricants. R. F. Nelson. 2,045,306; June 23.
Lubricants, Testing. J. O. Almen. 2,045,555; June 23.
Lubricator for pneumatic tools. J. W. Arnold. 2,044,765; June 23.
Macaroni die. G. Tanzi. 2,045,421; June 23.
Machine for closing and sealing bags and like containers. A. H. Maynard. 2,045,397; June 23.
Machine for cutting plaster casts. Combination. J. W. O'Banion. 2,045,050; June 23.
Machine for filling and sealing paper bags. H. G. Eynon. 2,044,879; June 23.
Machine for inserting a compressed strip into a joint. P. A. Voigt and H. L. Rogers. 2,045,256; June 23.
Machine for lining bearings. S. W. Crawford. 2,044,834; June 23.
Machine for making wood heels. A. F. Howe. 2,045,390; June 23.
Machine for producing paving aggregates. W. C. Elze and J. W. Davitt. 2,045,451; June 23.
Machine for translating semi-fluids and comminuted solids. W. L. Hart. 2,045,081; June 23.
Magnesium, Producing substantially pure. F. Hansgirg. 2,045,352; June 23.
Magnetic separation, Apparatus for. C. Q. Payne. 2,045,098; June 23.
Manifolding device. J. E. Rohn. 2,045,102; June 23.
Material and tool therefor, Cutting plastic. J. D. Blackall. 2,044,932; June 23.
Materials, Apparatus for the treatment of slurry-like. J. S. Fasting. 2,044,976; June 23.
Materials, Process of and apparatus for treating. W. A. Darrah. 2,045,343; June 23.
Mats, Producing insulating. W. Gerb. 2,045,384; June 23.
Meat packing. H. and C. Fredberg. 2,044,841; June 23.
Mechanical control. A. G. McNicoll. 2,045,041; June 23.
Mechanism and construction for reciprocating machinery. J. Mann. 2,045,552; June 23.
Mechanism for intermittently operating a member or element. G. A. Williamson, P. Holmes, and J. Blackwood. 2,044,928; June 23.
Metal-extruding die. W. M. Horton. 2,044,986; June 23.
Metal or the like, Device for polishing. M. Ryan. 2,044,858; June 23.
Metal salts of oxyacetic acids. H. A. Bruson. 2,044,968; June 23.
Metal surfaces, Method of and material for coating. R. R. Tanner and H. J. Lodeesen. 2,045,499; June 23.
Metals from ores, Extracting. C. Goetz. 2,045,226; June 23.
Meter: *See*—
Automatic grain meter.
Metering system. J. M. Rowland. 2,045,413; June 23.
Milk cooler. F. D. Peltier. 2,045,491; June 23.
Milk products, Treatment of. H. E. Otting. 2,045,097; June 23.
Mill: *See*—
Grinding mill.
Mixer: *See*—
Agitating mixer.
Mixing valve. F. J. Wolff. 2,045,308; June 23.

Molded articles from casein, Producing. D. Kasen. 2,045,471; June 23.
Molded articles, Manufacture of. M. Hagedorn. 2,045,080; June 23.
Molding mixtures and their manufacture. L. C. Byck. 2,044,969; June 23.
Motor: *See*—
Electric motor. Wind motor.
Mounting for automobiles, Shrouded helical spring. T. H. Thompson. 2,045,031; June 23.
Mounting, Ophthalmic. A. O. Yoe. 2,045,508; June 23.
Mower, Lawn. H. J. Stegeman. 2,045,497; June 23.
Mowing and spraying apparatus. K. L. Keller. 2,044,884; June 23.
Muffler, Automobile exhaust. T. A. Duffy. 2,004,839; June 23.
Muffler for internal combustion engines. S. S. Hanson. 2,045,135; June 23.
Muffler, Suction producing. E. C. Horton. 2,045,142; June 23.
Multiple laundry press. L. M. Kahn. 2,045,148; June 23.
Multiplying machine. G. F. Daly. 2,045,437; June 23.
Mushroom spawn and making it. J. W. Sinden. 2,044,861; June 23.
Musical instrument. G. Yungblut. 2,045,172; June 23.
Musical instrument, Stringed. R. Dopyera. 2,045,265; June 23.
Necktie, Adjustable. W. Mayer. 2,045,279; June 23.
Necktie, Adjustable. W. Mayer. 2,045,281; June 23.
Necktie construction. W. Mayer. 2,045,280; June 23.
Noise suppresser and tuning indicator, Combined. W. R. Koch. 2,045,542; June 23.
Oil, Apparatus for chemically treating topped crude. A. E. Pew, Jr. 2,045,492; June 23.
Oil, Reclaiming used lubricating. H. G. Crowley and E. W. Riemenschneider. 2,045,216; June 23.
Oils, Refining of hydrocarbon. S. Comay. 2,045,262; June 23.
Oils to produce decolorized lubricating oil stocks, Treating fresh unused petroleum. A. R. Moorman and I. C. Carpenter. 2,045,160; June 23.
Oils, Treatment of hydrocarbon. W. W. Gary and J. T. Ward. 2,045,458; June 23.
Oils, Treatment of hydrocarbon. J. C. Morrell. 2,045,234; June 23.
Oils, Treatment of hydrocarbon. W. A. Schulze. 2,045,057; June 23.
Ore materials, Chloridizing. T. A. Mitchell. 2,045,092; June 23.
Organic compounds from aqueous solutions, Separating volatile. P. Berthélemy and F. Baylocq. 2,045,513; June 23.
Organic constituents of pyroligneous acid, Separating the volatile liquid. P. Berthélemy and F. Baylocq. 2,044,766; June 23.
Ornamental composite fabric. S. Sobie. 2,045,317; June 23.
Ornamental woven fabric. L. Hamer and J. Jarmak. 2,044,846; June 23.
Packaging machine. S. R. Howard. 2,045,230; June 23.
Packing and display device. A. B. Carey. 2,045,292; June 23.
Packing machine. A. A. Stone and R. Clarkson. 2,045,337; June 23.
Paints, varnishes, and lacquers, and manufacture of same, Pigmented. W. B. Wiegand. 2,045,006; June 23.
Panel for closed liquid heater, Instrument. H. S. Woodruff. 2,045,507; June 23.
Panel, Speaking. M. J. Tracy. 2,045,424; June 23.
Paper cutting machine. G. W. Mudd. 2,045,046; June 23.
Paper machinery. H. A. Kidd. 2,044,987; June 23.
Paper, Making porous long fibered nonhydrated. F. H. Osborne. 2,045,095; June 23.
Paper manufacture. H. R. Rafton. 2,045,052; June 23.
Paper, Porous long fibered nonhydrated. F. H. Osborne. 2,045,096; June 23.
Paving machine. C. Jackson. 2,044,883; June 23.
Pen, Fountain. J. L. Hoyle. 2,044,792; June 23.
Pencil plunger. F. C. Dell. 2,044,972; June 23.
Perch, Extensible and contractible. J. P. Leindorf. 2,045,395; June 23.
Pest exterminator. R. B. Loibl, Jr. 2,045,018; June 23.
Phase modulation. H. Shore. 2,045,107; June 23.
Phenolic derivatives, Water-soluble. H. A. Bruson and O. Stein. 2,045,517; June 23.
Phosphate, Preparation of a soluble. I. L. Haag and W. R. Devor. 2,044,940; June 23.
Photography, Stereoscopic. H. S. Newcomer. 2,045,093; June 23.
Picture projector, Safety motion. H. W. Nepo. 2,045,022; June 23.
Picture stereoscopy, Motion. A. W. Carpenter. 2,045,119; June 23.
Pictures, Producing composite. F. W. Jackman. 2,045,084; June 23.
Pictures, Projection of motion. A. W. Carpenter. 2,045,120; June 23.
Piezoelectric device. E. C. Nicholides. 2,045,403; June 23.
Pigment of fine texture, Titanium oxide. M. L. Hanahan. 2,044,941; June 23.
Pipe coating machine. D. N. Halstead. 2,044,778; June 23.
Pistol, Machine gun type. R. J. Rickenbacher. 2,045,369; June 23.
Piston. E. C. Long. 2,044,854; June 23.
Piston device. W. E. Dean, Jr. 2,045,177; June 23.
Piston ring and spring. A. Guerriero. 2,044,845; June 23.
Pitch differential means for lifting propellers. R. R. Hays. 2,045,355; June 23.
Planter, Hand. L. Beasley. 2,044,871; June 23.
Plastometer. J. H. Dillon and R. W. Allen. 2,045,548; June 23.
Plow depth gauge. J. S. Goodman. 2,045,461; June 23.
Plug: *See*—
Cartridge plug. Electrical plug.
Plug and shaft, Paper roll. E. A. LaRock. 2,045,035; June 23.
Plug valve. L. A. Ward. 2,045,118; June 23.
Pneumatic jack. W. A. Fehrmann. 2,045,524; June 23.
Polish. G. W. Flint. 2,045,455; June 23.
Polishing device. T. E. Babcock. 2,045,511; June 23.
Powder container. J. F. Rioux. 2,045,165; June 23.
Power actuating mechanism for fabric presses. E. Davis. 2,045,443; June 23.
Power and control equipment of electrically driven vehicles and machinery. A. W. Maley and E. M. Taunton. 2,045,038; June 23.
Power plant, Motor vehicle. J. R. Oishei. 2,045,094; June 23.
Preparation of solutions of hydroxy-cellulose ethers. G. A. Richter, H. P. Vannah, and D. H. McMurtrie. 2,045,411; June 23.
Prepayment mechanism. J. Prince. 2,045,200; June 23.
Preservative and marine growth arresting process. W. T. Conn. 2,044,772–3; June 23.
Press: *See*—
Garment or ironing press. Sliding bed press.
Multiple laundry press.
Pressing machine. E. Davis. 2,045,444; June 23.
Pressing machine. E. Davis. 2,045,448; June 23.
Pressing machine. G. W. Johnson. 2,045,358; June 23.
Pressing machines, Actuating mechanism for. E. Davis. 2,045,445–6; June 23.
Printing. C. L. Farrand. 2,045,129; June 23.
Printing mechanism. W. G. Read. 2,045,408; June 23.
Printing preparations and printing with said preparations. K. Krauss and A. Hagenböcker. 2,045,476; June 23.
Projectile. J. G. Taylor. 2,044,819; June 23.
Prop. F. M. Needham. 2,045,484; June 23.
Propeller. G. S. Faber. 2,045,383; June 23.
Propeller for aircraft. K. F. J. Kirsten and H. M. Heuver. 2,045,233; June 23.
Protective sleeve for resistor connecter device. A. A. Leonard. 2,045,361; June 23.
Protector: *See*—
Bird cage protector. Dress protector.
Pulsator and milk claw, Combination pneumatic. S. J. Erling. 2,045,454; June 23.
Pump: *See*—
Centrifugal pump. Radial plunger pump.
Pump. E. M. Pfauser. 2,044,857; June 23.
Pump. H. J. Renken and F. P. Thieman. 2,045,024; June 23.
Pump for internal combustion engines, Fuel-injecting. K. Mohr. 2,045,196; June 23.
Pumping unit, Portable. E. W. Himberger. 2,044,849; June 23.
Rack for golf clubs, Display. G. P. Reid. 2,045,023; June 23.
Radial plunger pump. H. F. MacMillin. 2,045,330; June 23.
Radio antenna. A. Massey and H. Hulick. 2,045,898; June 23.
Radio direction finding. E. J. Hefele. 2,044,789; June 23.
Radio receiver equipment, Combined. H. Lichte, M. Zeh, P. Glass, and K. Schwarz. 2,045,276; June 23.
Radio receiving system. W. R. Koch. 2,045,300; June 23.
Rail, Cushioned car. C. Saurer. 2,045,253; June 23.
Rails, Apparatus for bonding. P. P. Pipes. 2,045,333; June 23.
Rake. H. J. Kuhlman. 2,045,394; June 23.
Range finder focusing attachment for folding cameras. A. Lingg and P. Frost. 2,045,037; June 23.
Ranges, Top and flue for. W. H. Frick. 2,045,075; June 23.
Razor and blade, Safety. R. Ern. 2,045,222; June 23.
Razor blade, Safety. H. J. Gaisman. 2,045,184; June 23.
Razor, Self-sharpening safety. T. J. Pilliod and F. C. Muller. 2,045,365–6; June 23.
Reenforced hydrated cellulose container. L. A. Goodman. 2,045,349; June 23.
Reflectors, Stabilizing. M. Tosterud. 2,045,286; June 23.
Refractory. F. W. Schroeder. 2,044,817; June 23.
Refrigerating apparatus. E. B. Newill. 2,045,048; June 23.
Refrigerating apparatus. C. E. Quinn. 2,045,250; June 23.
Refrigerating apparatus. H. F. Smith. 2,045,000; June 23.
Refrigerating system. W. G. Midnight. 2,045,048; June 23.
Refrigerating system. H. C. Shagaloff. 2,045,204; June 23.

Refrigerating system and method. M. Resek. 2,045,053; June 23.
Refrigerating system, Intermittent absorption. M. Resek. 2,045,054; June 23.
Refrigeration. W. R. Hainsworth. 2,045,134; June 23.
Refrigeration. C. G. Munters. 2,044,951; June 23.
Refrigeration. B. F. Randel. 2,044,811; June 23.
Refrigeration. H. C. Shagaloff. 2,045,205; June 23.
Refuse destructor. J. E. Allen, M. J. Blew, and A. C. Wood. 2,045,115; June 23.
Register. G. B. Dunn. 2,045,221; June 23.
Registering apparatus. J. W. Welch and R. P. Suess. 2,044,926; June 23.
Regulating device for vacuum pumps. G. H. Woodard. 2,044,867; June 23.
Regulator: *See*—
Temperature regulator.
Regulator and control apparatus therefor, Receiving. E. R. Donaldson, Jr. 2,044,936; June 23.
Riveting machine. A. R. Havener. 2,045,550; June 23.
Roaster and grinder, Combined coffee. R. B. Whitfield. 2,045,211; June 23.
Rock to eliminate fluorine, Treating phosphate. H. A. Curtis. 2,044,774; June 23.
Roofing and building material and creation of effect thereon. N. P. Harshberger. 2,044,784; June 23.
Roofing and siding. J. A. Topping. 2,045,423; June 23.
Roofing element. N. P. Harshberger. 2,044,782; June 23.
Roofing material and the like. N. P. Harshberger and S. A. Ochs. 2,044,788; June 23.
Rubber vulcanization. P. J. Leaper. 2,045,275; June 23.
Rubber vulcanization. R. L. Sibley. 2,045,167; June 23.
Sad iron, Electric. E. D. Perry. 2,045,284; June 23.
Safety device for clutches. O. Mueller. 2,045,483; June 23.
Safety device for tires. P. M. Bourdon. 2,045,341; June 23.
Salt, Decomposition of engel. F. Rüsberg. 2,045,203; June 23.
Salts, Process for crystallizing. T. W. Langer, C. E. McBride, R. J. Carlson, M. Stow, and F. B. Clardy. 2,045,302; June 23.
Salves, creams, soaps, and the like. W. Schrauth. 2,045,415; July 23.
Sanding machine. T. L. Hedgpeth. 2,044,982; June 23.
Scavenger and making same, Metallurgical. C. J. Kinzie. 2,044,908; June 23.
Scraper or grader. H. C. Buffington. 2,044,933; June 23.
Seal for two-part mercury tube switch envelope. J. H. Staley. 2,045,003; June 23.
Seed cotton, Device for culling and grading. C. A. Bennett and F. L. Gerdes. 2,045,064; June 23.
Semitrailer body construction. H. H. Robinson and W. J. Parrish. 2,045,166; June 23.
Separable fastener. D. Marinsky. 2,045,396; June 23.
Separating device. A. J. Mosley. 2,044,915; July 23.
Servomotor mechanism. W. D. Gove and J. O. Almen. 2,045,559; June 23.
Sewer. L. Bletz. 2,045,514; June 23.
Shade attachment and support, Window. H. M. Brumser. 2,045,380; June 23.
Shaker conveyer and the like. W. H. Berriaford. 2,045,065; June 23.
Shaper. H. E. Tautz. 2,045,422; June 23.
Sharpener, Hand. H. L. Winter. 2,045,430; June 23.
Sharpener, Lawn mower. T. E. Hurd. 2,045,187; June 23.
Shaver, Dry. J. Schick. 2,045,106; June 23.
Sheath, Maintaining cable. G. M. Bouton and E. E. Schumacher. 2,044,763; June 23.
Sheet material, Device for shaping. I. Newman. 2,045,235; June 23.
Shingle. N. P. Harshberger. 2,044,783; June 23.
Shingle roof and material relating thereto. N. P. Harshberger. 2,044,781; June 23.
Shock absorber for vehicles and other loads. E. Stocq. 2,045,208; June 23.
Shoe and the manufacture thereof. J. Cavanagh. 2,044,875; June 23.
Shutter and shutter adjustment for cameras. P. J. Bergren. 2,045,260; June 23.
Shuttle, Narrow ware. W. J. Sheets, Sr. 2,045,314; June 23.
Sieve, Multiple flour. A. L. Clark. 2,045,439; June 23.
Sign: *See*—
Traffic sign.
Sign. F. A. Austin. 2,045,378; June 23.
Signal system, Traffic actuated. H. A. Haugh, Jr., C. D. Geer, and E. D. Stirlen. 2,045,136; June 23.
Signaling system. T. L. Dimond. 2,045,450; June 23.
Signaling system. O. Myers. 2,045,402; June 23.
Silk and other artificial products, Manufacture of artificial. H. Dreyfus and W. I. Taylor. 2,045,346; June 23.
Silk, Apparatus for manufacturing artificial. F. W. Mattinson. 2,045,531; June 23.
Silk, Method and apparatus for manufacturing artificial. F. W. Mattison. 2,045,530; June 23.
Silk, Spinning artificial. J. Klein, H. Pfannenstiel, and W. Matthaes. 2,044,885; June 23.
Slashing machine. W. C. Baxter. 2,044,870; June 23.
Slicing machine. C. Littlefield. 2,044,910; June 23.
Slicing machine. H. H. Yerk and W. C. Palmer. 2,044,826; June 23.
Slide bearing. S. J. Harley. 2,045,464; June 23.
Slide operated fastener. J. Waldes. 2,045,504; June 23.
Sliding bed press. J. P. Singiser. 2,045,375; June 23.
Snake handle. J. S. Hermanson. 2,044,848; June 23.
Snap clamp for lathe chucks. M. H. Oslind. 2,045,487; June 23.
Socket, Indicating wall. C. M. Petersen. 2,045,199; June 23.
Solutions of alkali metal silicates. P. C. Lemmerman and W. K. Schweitzer. 2,045,153; June 23.
Solvent extraction of hydrocarbon oil. L. A. Clarke. 2,045,321; June 23.
Sound system. G. Douthwaite. 2,045,180; June 23.
Space discharge, Producing and controlling a. J. H. O. Harries. 2,045,525; June 23.
Speed controlled brake. G. W. Baughman. 2,045,175; June 23.
Speed indicator. R. M. Woytych. 2,044,825; June 23.
Speed mechanism for variable speed gears, Change. G. H. Roesch. 2,045,412; June 23.
Spindle and lubricating same, Spinning. R. Beddie. 2,044,890; June 23.
Spinning ring for bar travelers. H. C. Herr. 2,045,012; June 23.
Spool and protector therefor. E. Hoffman. 2,044,791; June 23.
Spray materials, Combined fungicidal and insecticidal. W. H. Tisdale and L. S. Bake. 2,044,959; June 23.
Spray system. H. Richards. 2,045,164; June 23.
Spring structure. A. Pittoni. 2,045,544; June 23.
Springing arrangement for power-driven vehicles. M. Wagner. 2,045,210; June 23.
Stable reduction compounds of the 4.7.4'.7'-tetra-alkyl-Krauss s3 etnoin shrd cm 5.5'-dihalogen-thio-indigos and preparing them. K. Krauss and A. Hagenböcker. 2,045,475; June 23.
Stable reduction compounds of the thioindigoide series and preparing them. K. Krauss and A. Hagenböcker. 2,044,796; June 23.
Stand: *See*—
Hose holding stand.
Starting and ignition system for explosive engines. B. G. Richardson. 2,044,917; June 23.
Stopper, Bottle. T. W. Miller. 2,044,914; June 23.
Street plate for track type tractors. T. G. Schmeiser. 2,044,918; June 23.
Steam generating plant. W. D. LaMont. 2,044,797; June 23.
Steam washing machine. J. Kampschulte. 2,045,085; June 23.
Steel and the like, Annealing. J. C. Klentz, Jr. 2,045,392; June 23.
Steel retainer. G. H. Fuehrer. 2,045,296; June 23.
Steering arrangement for power-driven vehicles. K. Rabe. 2,044,809; June 23.
Steering gear. J. A. Wilhelm and C. L. Blakely. 2,044,893; June 23.
Steering wheel for automobiles, Shock-absorbing. W. W. Hamill. 2,045,227; June 23.
Stock feeding mechanism. F. L. Cone. 2,045,070; June 23.
Stock quotation projecting machine. A. D. Eitzen. 2,045,537–8; June 23.
Stool or chair, Folding. E. T. Skidmore. 2,045,029; June 23.
Stove, Brooder. J. R. Heatwole. 2,045,356; June 23.
Stove or range. H. A. Ahrens, E. F. Kennedy, and J. E. Nason. 2,045,061; June 23.
Stretching mechanism for stretching textile fibers for mules, ring spinning and stretching machines. A. Aeberli. 2,045,338; June 23.
Strip of roofing material. N. P. Harshberger. 2,044,785; June 23.
Stripe mechanism, Two-color lap. J. L. Getaz. 2,045,459; June 23.
Stropper and honer, Razor blade. E. A. Johnston. 2,044,850; June 23.
Suction cleaner. S. R. Cummings and C. R. Mummery. 2,045,295; June 23.
Suction cleaner. H. E. Hoover. 2,045,270; June 23.
Sulphate, Alkaline earth metal. G. A. Peirce. 2,044,954; June 23.
Sulphur, sulphur dioxide, and iron oxide, Production of. D. Tyrer. 2,044,960; June 23.
Sulphuric derivatives of fatty acid compounds, Production of. P. Koerding, C. Schoeller, and H. Ulrich. 2,045,015; June 23.
Superheater boiler. D. S. Jacobus and W. A. Jones. 2,045,145; June 23.
Support: *See*—
Engine support. Ventilated body support.
Transmission line support.
Supporter, Reversible athletic. J. T. Jordan. 2,045,470; June 23.
Supporting apparatus for pipes and the like. M. M. O'Connell. 2,045,307; June 23.
Suspension of rail vehicles. A. W. Maley and E. M. Taunton. 2,045,039; June 23.
Swing, Collapsible. W. W. Bates. 2,044,964; June 23.
Switch. D. T. Siegel. 2,045,417; June 23.
Switch control means, Electric. A. Diebold. 2,045,127; June 23.
Switching device, Automatic safety. J. Gonnard. 2,045,133; June 23.

Switching mechanism, Time controlled reselector. J. Raber. 2,045,251; June 23.
Synchronizing apparatus for photo-telegraphy. A. G. Cooley. 2,045,204; June 23.
Syringe, Fountain. T. W. Miller. 2,044,911–12; June 23.
Table: *See*—
Extension table.
Table. N. M. Hiser. 2,045,467; June 23.
Tandem control for presses. A. F. Hanney. 2,045,353; June 23.
Tank. P. M. Kuehn. 2,045,478; June 23.
Tannin briquette containing a retarding agent. A. H. Reynolds. 2,045,335; June 23.
Tanning materials, Manufacture of new. H. Noerr and G. Manthe. 2,045,049; June 23.
Tape drawing device. A. D. Eltzen. 2,045,536; June 23.
Tape drawing device. A. D. Eltzen. 2,045,539; June 23.
Tape gummer, Hand. M. L. Flood. 2,044,840; June 23.
Tar distillation. W. M. Bywater. 2,044,764; June 23.
Tar distillation. A. H. Radasch. 2,045,407; June 23.
Tee and ball lifter, Combined. C. E. Douglas. 2,044,838; June 23.
Teleindicating device, Electrical. N. E. Methlin. 2,045,042; June 23.
Television system. J. P. Smith. 2,045,315; June 23.
Temperature regulator. C. A. Otto. 2,045,332; June 23.
Thermostatic snap action valve. S. P. Vaughn. 2,044,822; June 23.
Threads and the like, Production of. H. Dreyfus. 2,045,347; June 23.
Timing apparatus. C. H. Rumpel. 2,045,414; June 23.
Timing device. J. J. Brown. 2,045,118; June 23.
Tire building apparatus. E. L. Held. 2,045,554; June 23.
Tire building apparatus. H. D. Stevens. 2,045,534; June 23.
Tires, Process and apparatuts for making drum built. F. J. Shook. 2,045,545; June 23.
Tool: *See*—
Valve reseating tool.
Tool for assembling ophthalmic mountings. E. L. Schumacher. 2,045,372; June 23.
Tools, dies, etc., Making cutting. C. A. Laise. 2,044,853; June 23.
Tooth brush, Vibrating. W. F. Sticht. 2,044,863; June 23.
Toothpick dispenser. J. L. Young. 2,044,929; June 23.
Tower, Distillation. V. M. Chatfield. 2,045,518; June 23.
Toy, Sounding wheeled. H. T. Kingsbury. 2,045,032; June 23.
Traffic control system and apparatus. F. G. Kelly, Jr. 2,044,907; June 23.
Traffic sign. H. J. Smith. 2,045,419; June 23.
Transducer. A. Noyes, Jr. 2,044,807; June 23.
Transmission line support. F. M. Kenneally. 2,045,150; June 23.
Transmission mechanism. J. S. Sharpe. 2,045,495; June 23.
Trap for ice-fishing. B. Baranowski. 2,045,063; June 23.
Tray, Ash. L. A. Marihart. 2,044,802; June 23.
Tricycle. L. H. Ralston. 2,044,889; June 23.
Trolley head and current collector. E. A. Larsson. 2,044,886; June 23.
Truck. W. C. Hedgcock. 2,045,299; June 23.
Truck for rail vehicles and the like. W. J. Besler. 2,044,767; June 23.
Truck, Railway car. C. J. W. Clasen. 2,044,971; June 23.
Tube: *See*—
Collapsible tube. Flexible metal tube.
Tube apparatus, Multielectrode. J. H. O. Harries. 2,045,526; June 23.
Tubes for tires, Method and apparatus for making. H. E. Waner. 2,044,961; June 23.
Tubes, Manufacture of flexible. R. Debendettl. 2,045,540; June 23.
Tubes, Manufacture of photoelectric. C. H. Simms. 2,045,418; June 23.
Tuning system for radio receivers, Automatic. K. M. McLaughlin. 2,045,091; June 23.
Turbidity, Apparatus for measuring. A. B. Cummins, M. S. Badollet, and M. C. Miller. 2,045,124; June 23.
Turning alignment gauge. R. D. Smith. 2,045,108; June 23.
Two-way hose check valve. F. O. Swanland. 2,044,921; June 23.
Umbrella. R. W. Meyerkort. 2,044,805; June 23.
Upholstery making apparatus. A. S. Mitchell. 2,045,363; June 23.
Vacuum breaker. H. J. Luff. 2,045,479; June 23.
Vacuum cleaner. F. Carlstedt. 2,044,830; June 23.
Vacuum cleaner. C. K. Skinner. 2,045,496; June 23.
Vacuum cleaning apparatus. J. H. Adams. 2,044,827; June 23.
Values from manganese carbonate ores, Extracting. J. D. MacCarthy. 2,044,799; June 23.
Valve: *See*—
Float valve. Thermostatic snap action valve.
Mixing valve.
Plug valve. Two-way hose check valve.
Valve. O. J. Kuenbold. 2,045,088; June 23.
Valve. E. Norton. 2,044,856; June 23.
Valve control mechanism. P. A. Kinzie. 2,045,232; June 23.
Valve control, Thermostatic. C. D. Bolin. 2,045,289; June 23.
Valve for fluid operated mechanism, Pressure control. R. Erling. 2,044,777; June 23.
Valve reseating tool. L. D. Ferrell. 2,044,938; June 23.
Valve seat replacement. L. Mellinkoff. 2,044,950; June 23.
Vapor phase cracking apparatus. E. W. Zublin. 2,045,114; June 23.
Vehicle. R. S. Sanford. 2,045,027; June 23.
Vehicle and windshield cleaner therefor, Motor. G. Dykstra. 2,045,128; June 23.
Vehicle body suspension means, Resilient. R. W. Sellman. 2,045,028; June 23.
Vehicle control, Motor. C. A. Brewer. 2,045,516; June 23.
Vehicle, Motor. W. R. Griswold. 2,045,011; June 23.
Vehicle supporting and checking apparatus. R. D. Smith. 2,045,109; June 23.
Vending apparatus, Coin controlled. O. Sjuve. 2,045,206; June 23.
Ventilated body support. C. E. Lenz, Jr. 2,045,036; June 23.
Vessel and the like, Culinary. H. H. Pearl. 2,045,248; June 23.
Vessel, Evacuated electric discharge. C. J. Smithells. 2,045,561; June 23.
Vibrator device, Piezoelectric. E. C. Nicholides. 2,045,404 June 23.
Volume measuring device. P. S. Williams and G. E. Mineard. 2,044,866; June 23.
Volume monitoring control. A. R. Hopkins. 2,045,271; June 23.
Wagon drill. J. C. Curtis. 2,044,876; June 23.
Wall, Concrete sea. M. M. Upson. 2,045,112; June 23.
Wall covering, Acoustical. C. K. Roos and G. D. King. 2,045,311–13; June 23.
Warp beam. F. Mossberg. 2,045,283; June 23.
Wax from hydrocarbon oil, Removal of. R. E. Manley, B. Y. McCarty, and H. H. Gross. 2,045,305; June 23.
Wax sweating. V. Voorhees. 2,045,425; June 23.
Weather strip retainer. A. W. I. Hartbauer. 2,044,881; June 23.
Web supply mechanism for printing machines. J. R. Tomlin. 2,045,059; June 23.
Weed eradicator. A. Stanelle. 2,045,376; June 23.
Welding machine, One-face resistance. P. W. Fassler. 2,045,523; June 23.
Wheel for automobiles, Auxiliary. C. E. Whitehead. 2,045,506; June 23.
Wind direction indicator. A. de Hertelendy. 2,045,521; June 23.
Wind motor. G. G. Kisevalter. 2,044,794; June 23.
Window operating mechanism. G. W. Mays. 2,045,195; June 23.
Windshield cleaner. E. C. Horton. 2,045,143; June 23.
Windshield cleaner, Twin motored. E. C. Horton and H. Hueber. 2,045,140; June 23.
Wiper blade, Windshield. E. C. Horton and H. Hueber. 2,045,141; June 23.
Wire or the like, Coating insulated. A. T. Candy, Jr. 2,044,970; June 23.
Wood block. R. G. Bruce. 2,045,067–8; June 23.
Wood, Reducing the shrinkage of. H. H. Griffin and A. Burgeni. 2,045,350; June 23.
Work turning, Apparatus for stationary. E. P. Bullard and H. C. Anderson. 2,044,829; June 23.
Wrapping material. J. G. McNally and N. F. Beach. 2,044,804; June 23.
Writing instrument and shaver's kit, Combination. H. I. Schwartz and J. H. Rothstein. 2,045,416; June 23.
Zein, Preparing. H. A. Buron and J. V. MacDonough. 2,044,769; June 23.
Zigzag stitching machine. W. Bölter. 2,045,340; June 23.

CLASSIFICATION OF PATENTS

ISSUED JUNE 23, 1936

NOTE.—First number=class, second number=subclass, third number=patent number

1— 47: 2,045,333
2— 15: 2,044,965
16: 2,045,157
30: 2,045,401
155: 2,045,279
2,045,280
2,045,281
159: 2,044,909
174: 2,045,359
4— 185: 2,045,110
227: 2,045,473
5— 44: 2,044,803
124: 2,044,862
271: 2,045,544
347: 2,045,086
8— 6: 2,044,790
2,045,476
2,045,477
20: 2,045,074
10— 24: 2,044,986
12— 40: 2,044,870
42: 2,045,390
77: 2,045,331
87: 2,045,329
133: 2,045,541
142: 2,044,875
13— 36: 2,044,817
15— 6: 2,045,270
13: 2,045,295
16: 2,044,830
49: 2,045,406
182: 2,045,373
209: 2,044,896
210: 2,045,511
245: 2,045,141
250: 2,045,143
255: 2,045,128
2,045,140
16— 62: 2,045,076
70: 2,044,903
84: 2,044,865
18— 8: 2,045,252
2,045,326
2,045,377
2,045,530
2,045,531
14: 2,044,961
15: 2,045,328
2,045,348
47.5: 2,045,471
53: 2,045,123
2,045,167
2,045,275
54: 2,044,885
2,045,161
2,045,346
2,045,347
2,045,370
55: 2,045,090
59: 2,044,914
19— 130: 2,045,338
155: 2,044,937
158: 2,045,469
20— 4: 2,045,311
2,045,312
2,045,313
5: 2,045,083
6: 2,045,382
8: 2,045,067
2,045,068
19: 2,045,100
20: 2,045,060
2,045,101
23: 2,045,154
35: 2,044,881
36: 2,045,367
52.4: 2,044,916
22— 123: 2,044,834
165: 2,045,586
206: 2,044,815
23— 64: 2,045,208
107: 2,044,940
122: 2,044,942
2,044,954
128: 2,045,301
2,045,302
23— 145: 2,044,799
200: 2,044,960
250: 2,044,800
2,044,801
252: 2,045,429
24— 21: 2,045,078
134: 2,044,848
205: 2,045,396
2,045,504
265: 2,044,869
25— 131: 2,044,833
154: 2,044,786
155: 2,045,099
27— 17: 2,044,872
19: 2,044,967
28— 1: 2,045,498
30— 1.21: 2,044,790
37: 2,045,496
62: 2,045,070
89: 2,044,818
148: 2,045,327
149.5: 2,044,897
152.2: 2,044,924
156.7: R. 20,014
157.1: 2,044,950
160.4: 2,045,277
160.6: 2,045,025
30— 9: 2,045,192
36: 2,045,365
2,045,366
40: 2,045,222
43: 2,045,106
47: 2,045,416
92: 2,045,184
31— 63: 2,045,454
32— 23: 2,044,823
33— 32: 2,045,360
58: 2,044,855
125: 2,044,983
155: 2,045,298
172: 2,045,176
203: 2,045,108
2,045,109
205: 2,045,342
220: 2,045,191
226: 2,044,899
34— 5: 2,045,381
7: 2,045,170
34: 2,045,319
35— 26: 2,044,760
36— 59: 2,045,066
37— 110: 2,045,387
144: 2,044,933
155: 2,045,426
39— 17: 2,045,207
40— 95: 2,045,249
126: 2,044,997
2,045,419
143: 2,045,378
42— 57: 2,045,369
43— 16: 2,045,053
131: 2,045,018
46— 51: 2,044,949
111: 2,045,032
47— 1: 2,044,861
34: 2,045,189
50: Pl.Pt.188
61: Pl.Pt.185
Pl.Pt.187
62: Pl.Pt.186
47: 2,045,259
92: 2,045,130
51— 41: 2,044,850
118: 2,045,488
170: 2,044,982
193: 2,044,858
278: 2,044,962
53— 8: 2,045,248
54— 19: 2,045,432
25: 2,044,989
55— 10: 2,045,394
67: 2,044,871
56— 7: 2,045,497
26: 2,044,884
294: 2,045,396
474: 2,045,144
58— 5: 2,044,808
60— 21: 2,045,322
52: 2,044,777
61— 5: 2,044,795
89: 2,045,112
62— 17: 2,044,943
95: 2,045,048
101: 2,045,250
2,045,491
103: 2,045,528
2,045,529
108.5: 2,045,134
2,045,371
115: 2,044,811
118: 2,044,951
119.5: 2,045,204
120.5: 2,045,043
2,045,053
2,045,054
139: 2,045,215
143: 2,045,440
170: 2,045,152
63— 7: 2,045,282
20: 2,045,385
66— 117: 2,045,267
2,045,268
135: 2,045,459
168: 2,045,509
172: 2,044,966
176: 2,045,301
67— 7.1: 2,045,456
68— 9: 2,045,148
2,045,353
2,045,358
38: 2,044,828
2,045,375
2,045,444
2,045,447
2,045,448
66: 2,044,844
68: 2,044,806
151: 2,045,507
166: 2,044,866
198: 2,045,413
217: 2,045,193
74— 10: 2,045,263
41: 2,045,552
117: 2,044,928
200: 2,045,558
2,045,559
262: 2,045,412
295: 2,045,495
333: 2,045,011
334: 2,045,500
339: 2,044,930
482: 2,045,169
491: 2,045,045
552: 2,045,227
75— 6: 2,045,226
17: 2,045,352
58: 2,044,908
113: 2,045,092
137: 2,044,853
168: 2,045,236
2,045,237
2,045,238
2,045,239
2,045,240
2,045,241
2,045,242
2,045,243
2,045,244
2,045,245
2,045,246
2,045,247
76— 82.1: 2,045,187
76— 82.2: 2,045,430
82— 1: 2,044,829
83— 18: 2,045,058
2,045,211
73: 2,045,532
84— 1: 2,045,172
292: 2,045,265
87— 9: 2,045,306
2,045,501
6: 2,044,788
7: 2,044,785
88— 14: 2,045,124
16: 2,045,084
16.6: 2,045,119
2,045,120
17: 2,044,810
2,045,022
19.3: 2,045,290
24: 2,045,139
41: 2,045,399
49: 2,045,508
90— 12.5: 2,044,938
91— 4: 2,045,272
30: 2,044,778
62.5: 2,044,840
68: 2,044,772
2,044,773
2,044,804
2,045,052
2,045,137
2,045,139
2,045,349
2,045,350
2,045,468
70: 2,044,970
2,045,410
92— 3: 2,045,096
14: 2,045,095
22: 2,044,847
55: 2,045,546
57: 2,045,163
2: 2,044,947
6: 2,045,230
2,045,254
36.6: 2,044,935
61: 2,045,490
94— 18: 2,045,089
39: 2,045,256
42: 2,045,451
46: 2,044,883
95— 5: 2,044,991
7: 2,044,864
18: 2,045,093
44: 2,045,037
75: 2,045,549
96— 8: 2,045,515
97— 40: 2,045,376
47: 2,045,209
180: 2,045,461
98— 2: 2,045,002
99— 90: 2,045,007
130: 2,045,019
157: 2,044,841
190: 2,045,183
29: 2,045,047
100— 132: 2,045,020
101— 133: 2,044,984
248: 2,045,151
377: 2,045,408
420: R. 20,015
102— 2: 2,044,819
42: 2,045,004
103— 11: 2,044,857
50: 2,045,196
106: 2,045,505
126: 2,044,893
135: 2,045,014
161: 2,045,330
227: 2,044,814
104— 26: 2,045,201
105— 135: 2,044,767
171: 2,045,510
197: 2,045,299
208: 2,044,971
224: 2,045,039
280: 2,044,895
376: 2,045,168
106— 12: 2,045,318
22: 2,044,909
40: 2,045,411
107— 14: 2,045,421
54: 2,044,894
2,045,228
58: 2,045,535
108— 1: 2,045,055
6: 2,044,788
7: 2,044,785
2,044,787
2,045,423
8: 2,044,781
2,044,782
2,044,783
110— 16: 2,045,115
76: 2,045,194
112— 2: 2,045,188
2,045,363
159: 2,045,340
113— 2,045,121
114— 66.5: 2,044,771
117— 29: 2,045,079
118— 59: 2,045,012
119— 17: 2,045,472
26: 2,045,395
120— 18: 2,044,972
38: 2,045,431
42: 2,044,792
121— 32: 2,045,296
38: 2,045,443
2,045,445
2,045,446
41: 2,044,936
194: 2,045,493
122— 276: 2,044,797
303: 2,045,145
123— 79: 2,045,122
127: 2,045,389
146.5: 2,045,133
169: 2,045,494
195: 2,044,849
2,045,094
126— 42: 2,045,061
211: 2,045,075
307: 2,044,781
128— 55: 2,044,863
160: 2,045,470
227: 2,044,911
2,044,912
129— 23: 2,045,040
131— 51: 2,044,802
132— 33: 2,045,213
82: 2,045,165
134—23.92: 2,045,153
24: 2,045,393
2,045,455
26: 2,044,869
50: 2,045,551
58: 2,044,941
2,045,006
79: 2,044,770
135— 20: 2,044,806
136— 86: 2,044,923
137— 104: 2,044,816
111: 2,045,479
139: 2,045,232
153: 2,045,088
138— 55: 2,044,887
58: 2,044,900
81: 2,045,514
139— 65: 2,045,162
199: 2,045,314
355: 2,045,364
416: 2,044,846
143— 134: 2,045,105
144— 134: 2,045,422
278: 2,045,310
309: 2,045,309
146— 72: 2,044,902
98: 2,044,885
103: 2,045,481
153: 2,044,826
2,044,910
148— 6: 2,045,286
2,045,499
148— 8.1: 2,044,956
14: 2,045,392
21.4: 2,044,763
26: 2,045,017
32: 2,045,138
149— 4: 2,045,049
11: 2,044,946
150— 33: 2,044,874
45: 2,045,147
48: 2,045,354
153— 16: 2,045,214
22: 2,045,341
153— 29: 2,045,235
154— 2: 2,044,784
8: 2,045,540
10: 2,045,534
2,045,554
14: 2,045,545
28: 2,045,384
30: 2,044,957
46: 2,044,922
2,045,317
155— 58: 2,044,964
139: 2,045,029
171: 2,044,992
177: 2,045,225
156— 20: 2,045,007
158— 117: 2,044,953
161— 1: 2,045,001
2,045,041
164— 29: 2,044,932
49: 2,045,046
75: 2,045,050
167— 22: 2,044,934
43: 2,044,959
52: 2,045,125
63: 2,045,415
74: 2,045,266
107: 2,045,404
170— 26: 2,044,794
148: 2,045,233
162: 2,045,355
172: 2,045,383
171— 97: 2,044,917
2,045,274
312: 2,045,428
320: 2,045,405
324: 2,045,293
327: 2,045,403
172— 36: 2,045,218
2,045,219
179: 2,045,038
289: 2,045,197
173— 244: 2,045,087
263: 2,045,547
264: 2,045,103
266: 2,045,104
269: 2,044,974
280: 2,045,126
328: 2,045,229
341: 2,044,948
175— 115: 2,045,178
183: 2,045,257
2,045,258
335: 2,045,414
363: 2,045,034
176— 34: 2,045,512
122: 2,045,288
177— 311: 2,045,199
2,045,496
329: 2,045,285
337: 2,044,907
2,045,136
351: 2,045,042
352: 2,044,852
386: 2,044,807
2,044,820
178— 13: 2,044,831
42: 2,045,536
2,045,538
69.5: 2,045,204
179— 5.5: 2,045,146
16: 2,045,402
2,045,450
100.11: 2,045,276
107: 2,045,404

179 107: 2,045,427
171: 2,045,107
2,045,315
2,045,316
181— 30: 2,045,180
44: 2,045,142
49: 2,044,839
56: 2,045,135
183— 37: 2,044,827
85: 2,045,503
184— 55: 2,044,765
188— 62: 2,044,762
72: 2,044,989
75: 2,045,179
78: 2,044,973
2,044,988
2,044,990
79.5: 2,045,010
2,045,223
90: 2,044,909
106: 2,044,958
109: 2,044,944
189— 5: 2,045,424
33: 2,045,150
46: 2,045,291
191— 59.1: 2,044,886
192— 4: 2,045,516
29: 2,045,483
48: 2,044,901
58: 2,045,086
105: 2,045,131
2,045,557
107: 2,045,452
2,045,453
194— 1: 2,045,409
63: 2,045,206
72: 2,045,200
98: 2,044,843
196— 13: 2,045,321
16: 2,045,216
19: 2,045,305
20: 2,045,425
24: 2,045,057
26: 2,045,262
36: 2,045,234
46: 2,045,492
58: 2,045,458
76: 2,044,764
117: 2,045,114

196— 147: 2,045,160
198— 8: 2,045,008
19: 2,045,202
128: 2,045,081
2,045,357
220: 2,045,065
200— 27: 2,045,127
34: 2,045,118
52: 2,044,882
63: 2,045,417
88: R. 20,018
152: 2,045,003
201— 63: 2,045,361
2,045,362
202— 78: 2,044,898
204— 9: 2,044,888
20: 2,045,073
24: 2,045,465
31: 2,045,343
57: 2,045,212
206— 15.1: 2,044,985
52: 2,044,791
195: 2,045,449
208— 42: 2,044,889
209— 111: 2,044,981
123: 2,045,351
144: 2,044,915
166: 2,044,851
219: 2,045,098
240: 2,045,064
282: 2,045,439
482: 2,044,775
210— 23: 2,045,335
26: 2,045,442
211— 60: 2,045,023
214— 82: 2,045,149
215— 7: 2,045,388
15: 2,045,278
45: 2,045,480
216— 58: 2,045,287
218— 2: 2,045,550
219— 4: 2,045,523
8: 2,044,798
10: 2,045,420
12: 2,045,372
24: 2,045,056
25: 2,045,284
38: 2,045,466
220— 1: 2,045,478

220— 9: 2,045,000
57: 2,045,303
73: 2,045,374
221— 47.5: 2,045,297
60: 2,044,837
126: 2,045,502
147: 2,044,945
223— 25: 2,045,231
83: 2,045,462
225— 1: 2,045,009
226— 5: 2,045,337
16: 2,045,292
51: 2,044,879
56: 2,045,397
101: 2,044,813
122: 2,045,077
229— 47: 2,044,979
2,044,980
230— 138: 2,044,867
185: 2,044,957
205: 2,044,873
233— 46: 2,045,116
235— 6: 2,045,325
7: 2,044,842
32: 2,045,221
60: 2,044,975
92: 2,045,434
2,045,435
2,045,436
2,045,437
101: 2,045,543
103.5: 2,044,825
137: 2,044,977
144: 2,044,926
2,044,978
145: 2,045,021
236— 6: 2,045,356
46: 2,045,438
47: 2,045,332
48: 2,044,822
99: 2,045,289
237— 12.3: 2,045,044
238— 9: 2,045,253
242— 46.3: 2,045,433
68: 2,045,035
75: 2,045,059
124: 2,045,283
244— 19: 2,045,051
29: 2,045,269

244— 29: 2,045,463
246— 63: 2,045,522
247— 10: 2,044,860
248— 4: 2,044,920
59: 2,045,307
80: 2,045,336
269: 2,045,380
353: 2,045,484
250— 1: 2,045,071
2,045,072
9: 2,045,224
11: 2,044,789
2,045,398
20: 2,045,251
2,045,271
2,045,300
2,045,542
27: 2,044,925
2,045,290
2,045,525
2,045,526
27.5: 2,045,418
2,045,527
2,045,561
33: 2,044,779
40: 2,044,927
2,045,091
251— 62: R. 20,017
101: 2,045,113
104: 2,044,856
118: 2,044,921
254— 1: 2,045,016
86: 2,045,524
89: 2,045,173
95: 2,045,261
135: 2,045,533
255— 2: 2,045,220
51: 2,044,876
2,044,877
2,044,878
2,044,880
71: 2,045,368
257— 130: 2,044,952
244: 2,044,832
255: R. 20,016
259— 128: 2,045,171
135: 2,045,334
260— 10: 2,045,345
11: 2,044,968

260— 12: 2,045,090
19: 2,044,868
25: 2,045,132
27: 2,045,111
29: 2,045,089
31: 2,044,993
36: 2,044,892
52: 2,045,553
53: 2,044,796
2,045,475
60: 2,045,304
67: 2,044,963
69: 2,044,891
96: 2,045,323
2,045,324
99.12: 2,044,919
2,045,015
102: 2,044,776
112: 2,044,793
122: 2,044,766
2,045,513
130: 2,045,517
133: 2,045,062
151: 2,045,560
154: 2,045,407
170: 2,045,255
261— 76: 2,045,400
83: 2,044,996
114: 2,045,205
2,045,518
115: 2,045,519
263— 32: 2,044,976
265— 1: 2,045,474
10: 2,045,555
11: 2,045,548
267— 20: 2,045,031
2,045,210
21: 2,045,028
44: 2,045,208
64: 2,045,027
268— 126: 2,045,195
271— 2.3: 2,045,537
2,045,539
273— 30: 2,045,460
65: 2,044,836
2,044,913
66: 2,044,838
80: 2,045,273
118: 2,044,906

273— 125: 2,045,217
131: 2,045,339
138: 2,044,994
2,044,995
277— 1: 2,045,308
279— 1: 2,045,156
123: 2,045,487
280— 96: 2,044,809
282— 1: 2,045,102
285— 122: 2,044,768
286— 14: 2,045,024
287— 125: 2,045,520
292— 162: 2,045,198
215: 2,045,320
240: 2,045,083
347: 2,044,904
296— 28: 2,045,166
51: 2,045,489
117: 2,045,344
299— 46: 2,045,184
67: 2,045,065
84: 2,044,821
90: 2,045,190
301— 38: 2,045,506
47: 2,044,812
303— 3: 2,045,155
21: 2,045,175
2,045,181
35: 2,045,158
36: 2,045,182
41: 2,045,185
47: 2,045,159
305— 10: 2,044,918
308— 6: 2,045,464
40: 2,044,931
72: 2,045,030
127: 2,045,026
169: 2,044,890
180: 2,044,905
2,045,005
198: 2,045,174
309— 4: 2,045,177
11: 2,044,854
27: 2,044,845
311— 41: 2,045,441
82: 2,045,467
312— 64: 2,044,998
83: 2,044,929
152: 2,045,013
191: 2,045,264

U. S. GOVERNMENT PRINTING OFFICE: 1938

LIST OF TRADE-MARK APPLICANTS

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Abbott Laboratories, North Chicago, Ill. Bactericides. Serial No. 377,441; June 30. Class 6.

Addressograph Company, Cleveland, and Euclid, Ohio. Printing plates. Serial No. 378,169; June 30. Class 23.

Advertising Features, Inc., New York, N. Y. Section of newspapers. Serial No. 375,193; June 30. Class 38.

Ahrendt, Max H., doing business as Manatee Hammock Fruit Company, Manatee, Fla. Fresh citrus fruits. Serial No. 378,115; June 30. Class 46.

American Auto-Felt Corporation, Grand Rapids, Mich. Mattresses. Serial No. 377,343; June 30. Class 32.

Anderson Chemical Company, Litchfield, Minn. Neutralizer and sweetener preparation for treating cream. Serial Nos. 376,261–2; June 30. Class 6.

Aquacide Company. (See Hopkinson, Lawrence T.)

Arizona Citrus Growers, Phoenix, Ariz. Fresh citrus fruit. Serial No. 378,173; June 30. Class 46.

Arizona Citrus Growers, Phoenix, Ariz. Fresh citrus fruit. Serial No. 378,176; June 30. Class 46.

Armor Tread Tire Corporation, Curtis Bay, Baltimore, Md. Tires and retreads for the same. Serial No. 376,163; June 30. Class 35.

Atlantic Research Associates, Inc., Boston, Mass. Mica pigments. Serial No. 370,931; June 30. Class 16.

Band Box Corporation, The, St. Louis, Mo. Soap. Serial No. 374,076; June 30. Class 4.

Beamer, William L., doing business as Silver Springs Water Company, Detroit, Mich. Maltless beverage and sirup and extract for making the same. Serial No. 377,533; June 30. Class 45.

Bear Brand Hosiery Co., Chicago and Kankakee, Ill. Hosiery. Serial Nos. 375,119–20; June 30. Class 39.

Beauregard, Louis, New York, N. Y. Corn and callous medicine. Serial No. 376,423; June 30. Class 6.

Beck, Koller & Co., Inc., Detroit, Mich. Synthetic resin. Serial No. 377,451; June 30. Class 6.

Bird & Son, Inc., East Walpole, Mass. Floor covering of the hard-surfaced flexible type. Serial No. 378,688; June 30. Class 20.

Brown, Theodore E., Berwyn, Ill. Sharpening devices for knives and the like. Serial No. 377,095; June 30. Class 4.

Burbank Winery, Los Angeles, Calif. Wine. Serial No. 377,666; June 30. Class 47.

Butler, James, Grocer Company, Long Island City, N. Y. Flour, condensed milk, and oatmeal. Serial No. 376,332; June 30. Class 46.

Calco Chemical Company, Inc., The, Bound Brook, N. J. Bluing for laundry use. Serial No. 377,771; June 30. Class 6.

Calumet Steel Company, Chicago, Ill. Steel fence posts. Serial No. 377,496; June 30. Class 13.

Cameo Vineyards Co., Fresno, Calif. Fresh grapes. Serial No. 377,667; June 30. Class 46.

Cameo Vineyards Co., Fresno, Calif. Wine. Serial No. 377,668; June 30. Class 47.

Castle Products, Inc., Newark, N. J. Fruit juices and fruit juice compounds. Serial No. 378,690; June 30. Class 45.

Celanese Corporation of America, New York, N. Y. Neckties. Serial No. 378,129; June 30. Class 39.

Celanese Corporation of America, New York, N. Y. Piece goods. Serial No. 378,297; June 30. Class 42.

Charak Furniture Company, Boston, Mass. Tables, beds, couches, etc. Serial No. 367,851; June 30. Class 32.

Chemstix Chemicals, Inc., Chicago, Ill. Adhesive preparation. Serial No. 378,427; June 30. Class 5.

Cincinnati Milling Machine Company, The, Cincinnati, Ohio. Machine tools—namely, broaching machines. Serial No. 363,613; June 30. Class 23.

Clamp Nail Company, Chicago, Ill. Miter joint fasteners. Serial No. 377,801; June 30. Class 13.

Clinton Silk Co., New York, N. Y. Rayon piece goods. Serial No. 373,332; June 30. Class 42.

Clover Manufacturing Co., Norwalk, Conn. Sandpaper, silicon carbide paper and cloth, emery paper and cloth, etc. Serial No. 377,096; June 30. Class 4.

Colgate-Palmolive-Peet Company, Jersey City, N. J. Decorative tin containers. Serial No. 378,428; June 30. Class 2.

Columbia Pictures Corporation, New York, N. Y. Series of different motion picture films. Serial No. 378,253; June 30. Class 26.

Crown Luggage Company. (See Neumann, Jacob.)

Dad Landram. (See Landram, Joseph B.)

De Falco, L. E., doing business as De Falco Winery, San Diego, Calif. Wine. Serial No. 377,978; June 30. Class 47.

Degen-Fiege Belting Company, Los Angeles, Calif. Belting and packings. Serial No. 376,628; June 30. Class 35.

Dewey and Almy Chemical Company, Cambridge, Mass. Chemicals used as dispersing agents. Serial No. 377,336; June 30. Class 6.

Diamond Chain and Manufacturing Company, Indianapolis, Ind. Chains for the transmission of power. Serial No. 377,542; June 30. Class 13.

Dobson Suits, Inc., doing business as Hobbs, Inc., New York, N. Y. Ladies' suits, jackets, and skirts. Serial No. 377,043; June 30. Class 39.

Dutchess Underwear Corporation, New York, N. Y. Ladies' rayon underwear, pajamas, night gowns, and dresses. Serial No. 374,553; June 30. Class 39.

Eaton Paper Corporation, Pittsfield, Mass. Papeteries. Serial No. 376,900; June 30. Class 37.

Egret Products Company, Cleveland, Ohio. Deodorant cream. Serial No. 377,575; June 30. Class 6.

Electronic Development Company, Cedar Rapids, Iowa. Inter office amplified communication phones. Serial No. 373,167; June 30. Class 21.

Everitt, Allen, & Sons, Limited, London, England. Tubes of brass, copper, cupro nickel, etc. Serial No. 377,268; June 30. Class 13.

Fecker Brewing Company, Danville, Ill. Beer. Serial No. 376,198; June 30. Class 48.

Federal Razor Blade Company, New York, N. Y. Razor blades. Serial No. 378,136; June 30. Class 23.

Fisher, Ham, New York, N. Y. Cartoons and cartoon strips. Serial No. 359,304; June 30. Class 38.

Fitz, Andrew W., doing business as Royal Products Company, Council Bluffs, Iowa. Cleaning compound for rugs, carpets, etc. Serial No. 377,787; June 30. Class 4.

Ford Hopkins Company, doing business as Insecticide Research Bureau, Chicago, Ill. Insecticides. Serial No. 377,389; June 30. Class 6.

Frank & Cohen, Inc., New York, N. Y. Women's coats and fur neck pieces. Serial No. 377,502; June 30. Class 39.

Frank Tea & Spice Co., The, Cincinnati, Ohio. Flavors for making soft drinks. Serial No. 374,047; June 30. Class 45.

Freeman, H., & Son, Inc., Philadelphia, Pa. Top coats, overcoats, and suits. Serial No. 356,406; June 30. Class 39.

Fry, Benjamin L., doing business as Universal Games Company, St. Louis, Mo. Card or board games. Serial No. 377,978; June 30. Class 22.

Funston, D., Company, Chicago, Ill. Preparation for the treatment of irritations and inflammation of the lower intestines and colon, etc. Serial No. 377,544; June 30. Class 6.

Gerson, Samuel, Philadelphia, Pa. Men's and boys' suits. Serial No. 373,685; June 30. Class 39.

Goldsmith, Walter A., Company, The, Cleveland, Ohio. Women's and children's woven, knitted, and netted undergarments. Serial No. 377,046; June 30. Class 39.

Goodwin Company, Inc., The, Jackson, Mo. Live and dressed poultry and eggs. Serial No. 376,802; June 30. Class 46.

Groneweg & Schoentgen Company, Council Bluffs, Iowa. Canned fish, table syrup, cocoa, etc. Serial No. 373,638; June 30. Class 46.

Gross, A., Candle Company, Inc., Baltimore, Md. Candles, votive, sanctuary, and tabernacle lights. Serial Nos. 375,798–801; June 30. Class 15.

Hamadala Company, Inc., The, Cleveland, Ohio. Internal medication for hemorrhoids. Serial No. 377,222; June 30. Class 6.

Hanover Food Products Company, Baltimore, Md. Oleomargarine, mayonnaise, salad dressing, and butter. Serial No. 368,808; June 30. Class 46.

Hardy Luggage, Inc., New York, N. Y. Trunks, suitcases, bags, etc. Serial No. 377,792; June 30. Class 3.

Heat-Seal Burner Company, Omaha, Nebr. Oil burners. Serial No. 377,875; June 30. Class 34.

Heger Products Company, St. Paul, Minn. Animal food. Serial No. 376,253; June 30. Class 46.

Hettrick Manufacturing Company, The, Toledo, Ohio. Textile fabric belting. Serial No. 377,049; June 30. Class 35.

Hobbs, Inc. (See Dobson Suits, Inc.)

Holloway, M. J., & Company, Chicago, Ill. Candy. Serial No. 376,847; June 30. Class 46.

Hood-Lax Corporation, The, New York, N. Y. Calcium and vitamin B preparation. Serial No. 377,155; June 30. Class 6.

Hopkinson, Lawrence T., doing business as Aquacide Company, Washington, D. C. Treating substance for preserving and facilitating the production of meal and oil from fish, etc. Serial No. 377,359; June 30. Class 6.

Houbigant, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. Serial No. 378,078; June 30. Class 6.

Humphrey, Clem S., Brooklyn, N. Y. Tooth powder. Serial No. 377,511; June 30. Class 6.

I. B. Corporation, Cambridge, Mass. Color pictures. Serial No. 376,635; June 30. Class 38.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Standardized preparation of intestinal mucous membrane. Serial No. 377,187; June 30. Class 6.

Insecticide Research Bureau. (See Ford Hopkins Company.)

International Filmbook Corporation, New York, N. Y. Stereopticons, projectors and reading machines and films. Serial Nos. 378,025–6; June 30. Class 26.

Jack Sprat Foods, Inc. (See Western Grocer Company.)

Jamieson, Frank T., Cleveland, Ohio. Paste products. Serial No. 376,155; June 30. Class 4.

Karol Preparations, Inc., New York, N. Y. Shaving cream. Serial No. 376,806; June 30. Class 4.

Katims, Harry, Corporation, New York, N. Y. Rayon piece goods. Serial No. 375,151; June 30. Class 42.

Kelley Liquor Company, Minneapolis, Minn. Whiskey. Serial No. 365,458; June 30. Class 49.

Kirin Brewery Co., Ltd., Tokyo, Japan. Lager beer. Serial No. 368,619; June 30. Class 48.

Knebel, Mark, New York, N. Y. Blouses and dresses. Serial No. 378,110; June 30. Class 39.

Konishi Shuzo Kabushiki-Kaisha, The, Itamicho, Kawabe-Gun, Hyogo Prefecture, Japan. Sake (Japanese sake). Serial No. 370,883; June 30. Class 47.

Kuhne-Libby Co., New York, N. Y. Rust remover. Serial No. 377,360; June 30. Class 6.

La Guardia, L., & Son Importing Co., New York, N. Y. Olive oil. Serial No. 377,273; June 30. Class 46.

Landram, Joseph B., doing business as Dad Landram, Milwaukie, Oreg. General health tonic. Serial No. 374,415; June 30. Class 6.

Learnard, S. S., Co., Boston, Mass. Frozen foods. Serial No. 377,743; June 30. Class 46.

Lehman Radio Salon, Inc., New York, N. Y. Radio receiving sets, combination phonograph and radio receiving sets, portable radio receiving sets, etc. Serial No. 372,676; June 30. Class 21.

Lourill Hosiery Co. (See Peril, David.)

Love, Joseph, Inc., New York, N. Y. Dolls. Serial No. 370,188; June 30. Class 22.

Lubin-Weeker Co., Inc., New York, N. Y. Pajamas. Serial No. 376,766; June 30. Class 39.

Lyon, Alvine W., doing business as The Lyon Specialty Company, New York, N. Y. Cleansing preparation. Serial No. 378,664; June 30. Class 4.

Manatee Hammock Fruit Company. (See Ahrendt, Max H.)

Marcy, Carrie E., doing business as Marcy Ranch, Tustin and Santa Ana, Calif. Citrus fruit. Serial Nos. 378,212–6; June 30. Class 46.

Mayer, H. J., & Sons Co., Chicago, Ill. Meat curing compound. Serial No. 377,493; June 30. Class 6.

McBath, Carl D., doing business as Nu Good Food Products Co., Savannah, Ga. Barbecue meat sauce. Serial No. 375,530; June 30. Class 46.

McComb, James B., New York, N. Y. Insecticide. Serial No. 377,122; June 30. Class 6.

McHugh, Frank J., New York, N. Y. Maltless beverage. Serial No. 378,217; June 30. Class 45.

Mer-Kil Products Co., Hollywood, Calif. Chemical germicide of organic mercury in ointment and lotion form. Serial No. 377,159; June 30. Class 6.

Messing Bakeries Incorporated, Brooklyn, N. Y. Chocolate covered crackers or biscuits. Serial No. 377,552; June 30. Class 46.

Micro-Lite Company, Inc., New York, N. Y. Flashlights. Serial No. 377,518; June 30. Class 21.

Monarch Brewing Company, Chicago, Ill. Beer. Serial No. 378,445; June 30. Class 48.

Monark Silver King, Inc., Chicago, Ill. Bicycle tires. Serial No. 375,453; June 30. Class 35.

Nagler, Jacob, New York, N. Y. Facial creams. Serial No. 376,297; June 30. Class 6.

Nascon Service, Inc., New York, N. Y. Memorandum books and calendar books. Serial No. 373,797; June 30. Class 37.

Nascon Service, Inc., New York, N. Y. Photograph albums and memorandum books. Serial No. 373,798; June 30. Class 37.

Nascon Service, Inc., New York, N. Y. Calendar books and memorandum books. Serial No. 373,799; June 30. Class 37.

National Cordial Co., Inc., Chicago, Ill. Whiskey. Serial No. 378,756; June 30. Class 49.

National Lead Company, San Francisco, Calif. Paints, synthetic enamels, varnishes, etc. Serial No. 377,700; June 30. Class 16.

National Licorice Company, Brooklyn, N. Y. Candy. Serial No. 378,328; June 30. Class 46.

Neumann, Jacob, doing business as Crown Luggage Company, Baltimore, Md. Luggage. Serial No. 376,688; June 30. Class 3.

New England Alcohol Company, Everett, Mass. Solid carbon dioxide. Serial No. 377,411; June 30. Class 6.

New Jersey Zinc Company, The, Jersey City and Franklin, N. J. Zinc product used for spraying or dusting trees or plants. Serial No. 377,438; June 30. Class 6.

New York Belting & Packing Co., New York, N. Y. Hose. Serial No. 378,148; June 30. Class 35.

Niles-Bement-Pond Company, New York, N. Y. Die sinking, engraving, milling, and grinding machines. Serial No. 378,224; June 30. Class 23.

Norfolk Paint & Varnish Company, Quincy and North Quincy, Mass. Paste white. Serial No. 378,670; June 30. Class 16.

Norfolk Paint & Varnish Company, Quincy and North Quincy, Mass. Ready-mixed paints. Serial No. 378,671; June 30. Class 16.

Nott, W. S., Company, Minneapolis, Minn. Leather belting. Serial No. 376,149; June 30. Class 35.

Nu Good Food Products Co. (See McBath, Carl D.)

O'Connor & Goldberg, Chicago, Ill. Hosiery. Serial No. 378,326; June 30. Class 39.

Ohio Overcoat Company, The, Galion, Ohio. Overcoats for men and boys. Serial No. 378,327; June 30. Class 39.

Old Town Woolen Company, Inc., Old Town, Maine. Woolen piece goods. Serial No. 374,378; June 30. Class 42.

Paragon Knitting Mills, Inc., Philadelphia, Pa. Bathing suits and sweaters. Serial No. 377,745; June 30. Class 39.

Parke, Davis & Company, Detroit, Mich. Hypnotic and general anesthetic. Serial No. 377,767; June 30. Class 6.

Parker Brothers, Inc., Portland, Maine, and Salem, Mass. Toy money and racks and tills for holding same. Serial No. 376,540; June 30. Class 22.

Paxton and Gallagher Co., Omaha, Nebr. Soft drink powder. Serial No. 378,583; June 30. Class 45.

Payless Drug Co., Hollywood and Modesto, Calif. Cosmetics and toilet preparations. Serial No. 377,230; June 30. Class 6.

Peril, David, doing business as Lourill Hosiery Co., Shamokin, Pa. Hosiery, pajamas, sweaters, underwear. Serial No. 377,520; June 30. Class 39.

Pfeiffer Brewing Company, Detroit, Mich. Beer. Serial No. 378,331; June 30. Class 48.

Pfeiffer Brewing Company, Detroit, Mich. Beer. Serial No. 378,333; June 30. Class 48.

Pfeiffer Brewing Company, Detroit, Mich. Beer. Serial Nos. 378,335–6; June 30. Class 48.

Pinkhams Holdings Co., Los Angeles, Calif. Fresh grapes. Serial No. 377,706; June 30. Class 46.

Poochie Chow Mfg. Co., Tulsa, Okla. Medicated food preparation for use in eliminating worms from the intestinal tracts of animals. Serial No. 376,440; June 30. Class 6.

Pruitt, Elmer E., Blytheville, Ark. Medicinal preparations. Serial No. 361,401; June 30. Class 6.

Pure Oil Company, The, Chicago, Ill. Gas oils, fuel oils, burning oils for illuminating and heating purposes, etc. Serial No. 359,671; June 30. Class 15.

Rath Packing Company, The, Waterloo, Iowa. Ham. Serial No. 377,707; June 30. Class 46.

Read Drug & Chemical Company of Baltimore City, Baltimore, Md. Wines. Serial No. 377,232; June 30. Class 47.

Red & White Corporation, doing business as Service Products Co., Chicago, Ill. Insecticides. Serial No. 377,323; June 30. Class 6.

Reis, Robert, & Co., New York, N. Y. Wearing apparel for women. Serial No. 377,324; June 30. Class 39.

Reiter Shirt Company, New York, N. Y. Shirts and pajamas. Serial No. 374,729; June 30. Class 39.

Rock-Ola Manufacturing Corporation, Chicago, Ill. Automatic phonographs. Serial No. 378,338; June 30. Class 36.

Rock-Ola Manufacturing Corporation, Chicago, Ill. Amusement apparatus. Serial No. 378,342; June 30. Class 22.

Rohm & Haas Company, Philadelphia, Pa. Sheets of solid transparent resinous material to be used as a glass substitute. Serial No. 366,642; June 30. Class 33.

Rolls Razor Limited, London, England. Shaving soap. Serial No. 377,281; June 30. Class 4.

Rose Brothers, New York, N. Y. Coats, vests, and trousers. Serial No. 377,645; June 30. Class 39.

Roxalin Flexible Lacquer Company, Incorporated, Elizabeth, N. J. Lacquers, lacquer enamels, thinners, etc. Serial No. 377,717; June 30. Class 16.

Royal Products Company. (See Fitz, Andrew W.)

Scully, Frank P., doing business as Scully Signal Company, Cambridge, Mass. Liquid level indicators. Serial No. 374,160; June 30. Class 26.

Seaboard Packing Corp., doing business as Seaboard Industries, New York, N. Y. Canned food for carnivorous animals. Serial No. 378,237; June 30. Class 46.

Sears, Roebuck and Co., Chicago, Ill. Bathroom shower outfits. Serial No. 377,237; June 30. Class 13.

Sears, Roebuck and Co., Chicago, Ill. Textile rugs. Serial No. 377,719; June 30. Class 42.

Service Products Co. (See Red & White Corporation.)

Shackelton Inhaler Company, Grand Rapids, Mich. Balsam compound for sinus trouble, hayfever, asthma, etc. Serial No. 374,533; June 30. Class 6.

Shaw, John, Milwaukee, Wis. Puzzle game. Serial No. 378,591; June 30. Class 22.

Sigel, William B., doing business as Sigel Fruit Products, Amelia, Ohio. Fruits. Serial No. 374,063; June 30. Class 46.

PUBLISHED FOR OPPOSITION

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907]

Silver Springs Water Company. (See Beamer, William L.)

Simmons, O. H., Inc., New York, N. Y. Liniment. Serial No. 378,100; June 30. Class 6.

Sir William Worcestershire Sauce, Inc., New York, N. Y. Worcestershire sauce. Serial Nos. 376,498–9; June 30. Class 46.

Sizer, Richard, Limited, Kingston-upon-Hull, England. Machines for making cattle and poultry foods. Serial No. 375,103; June 30. Class 23.

Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Wax polishing compositions. Serial No. 378,505; June 30. Class 16.

Somerville Iron Works, Somerville, N. J. Manually operated valves. Serial No. 377,648; June 30. Class 13.

Sonneborn, L., Sons, Inc., New York, N. Y. White mineral oil. Serial No. 377,287; June 30. Class 15.

Spratt's Patent (America) Limited, London, England, and Newark, N. J. Repellent for keeping dogs away from females when in season. Serial No. 377,607; June 30. Class 6.

Squibb, E. R., & Sons, New York, N. Y. Vitaminic preparations. Serial No. 377,329; June 30. Class 6.

Standard Electric Stove Co., The, Toledo, Ohio. Electric hot plates and electric heating element covers. Serial No. 377,484; June 30. Class 21.

Standard Oil Company of California, Wilmington, Del., and San Francisco, Calif. Lubricating oils and greases. Serial Nos. 376,072–3; June 30. Class 15.

Stansfeld, Arthur V., doing business as A. V. Stansfeld & Co., Bridgetown, Barbados, British West Indies. Rum. Serial No. 375,733; June 30. Class 49.

Stephenson Mfg. Co., Inc., Springfield, Mass. Nose spray or medical preparation. Serial No. 377,947; June 30. Class 6.

Storm, Raymond W., doing business as Storm Flooring Company, New York, N. Y. Floor mastic and floor binder. Serial No. 341,143; June 30. Class 12.

Sturdy's, J. F., Sons Co., Attleboro Falls, Mass. Jewelry display trays or mountings. Serial No. 377,889; June 30. Class 2.

Sussman, Wormser & Co., San Francisco, Calif. Canned and dried fruits, syrups, and spices, etc. Serial No. 375,678; June 30. Class 46.

Sweeper-Vac Company, The, Worcester, Mass. Vacuum cleaners. Serial No. 377,030–1; June 30. Class 23.

Taylor, M. Sayle, New York, N. Y. Printed pamphlets. Serial No. 374,218; June 30. Class 38.

Therapeutic Gauze Co., The, Newark, N. Y. Therapeutic gauze. Serial No. 377,330; June 30. Class 44.

Three G Distillery Corp., Burbank, Calif. Whiskey. Serial No. 378,383; June 30. Class 49.

Travelhome Trailer Co., Grand Rapids, Mich. House trailers. Serial No. 377,560; June 30. Class 19.

Tres Chemical Pharmaceutical Industrial and Trading Co. Ltd., Budapest, Hungary. Flours produced from the seeds of leguminous plants, baking powders, binding powders, etc. Serial No. 868,716; June 30. Class 46.

U-Win-A-Cone Co. Inc., Baltimore, Md. Ice cream cones. Serial No. 377,757; June 30. Class 46.

United States Air Compressor Company, The, Cleveland, Ohio. Vehicle lifting devices. Serial No. 374,390; June 30. Class 23.

United States Finishing Company, The, Providence, R. I. Textile fabrics. Serial No. 374,490; June 30. Class 42.

United States Gypsum Company, Chicago, Ill. Coated felt for building purposes. Serial No. 365,104; June 30. Class 12.

Universal Games Company. (See Fry, Benjamin L.)

Valley Upholstery Corp., New York, N. Y. Upholstered chairs. Serial No. 378,278; June 30. Class 32.

Viennese Laboratories, Inc., Brooklyn, N. Y. Cough mixture, cold breaker, general tonic, etc. Serial No. 375,036; June 30. Class 6.

Vitalized Humus Sales Company, Columbus, Ohio. Fertilizers. Serial No. 370,089; June 30. Class 10.

Vokes, Hasel, Los Angeles, Calif. Obesity reducing tablets. Serial No. 376,652; June 30. Class 6.

Wagner, Henry Eloy, Ariz. Fresh vegetables. Serial No. 355,651; June 30. Class 46.

Warner Chemical Company, The, New York, N. Y. Chlorinated phosphatic detergent. Serial No. 377,561; June 30. Class 4.

Wathen, John A., Distillery Co., Inc., Louisville and Lebanon, Ky. Whiskey. Serial No. 378,282; June 30. Class 49.

Weinberger, Walter, New York, N. Y. Astringents, beauty creams, cold creams, etc. Serial No. 376,700; June 30. Class 6.

Western Grocer Company, doing business as Jack Sprat Foods, Inc., Marshalltown, Iowa. Bread. Serial No. 376,021; June 30. Class 46.

Whiteley, William, & Co. Inc., Dover, Del. Scotch whiskey. Serial No. 378,868; June 30. Class 49.

Winer Manufacturing Co., Hammond, Ind. Coats, trousers, and knickers. Serial No. 378,281; June 30. Class 39.

Wood Shovel and Tool Company, The, Piqua, Ohio. Shovels, spades, and scoops. Serial No. 371,047; June 30. Class 23.

Yabucoa Sugar Company, Humacao, P. R. Cane sugar. Serial Nos. 377,764–5; June 30. Class 46.

LIST OF REGISTRANTS OF TRADE-MARKS

Ad. Triad, Inc., Detroit, Mich. Electric lighting fixtures and parts thereof. 336,281; June 30; Serial No. 375,480; published Apr. 21, 1936. Class 21.

Agfa Ansco Corporation, Binghamton, N. Y. Sensitized photographic film and plates, and cinematographic films. 336,354; June 30. Class 26.

Ainsworth, Albert A., Ossining, N. Y. Albums. 336,250; June 30; Serial No. 373,094; published Apr. 21, 1936. Class 37.

Aktieselskabet de Danske Spritfabrikker, Copenhagen, Denmark. Alcoholic liquor known as akvavit. 336,338; June 30; Serial No. 368,833; published Apr. 21, 1936. Class 49.

America Press, The, New York, N. Y. Publication. 336,306; June 30; Serial No. 367,749; published Apr. 21, 1936. Class 38.

American Crayon Company, The, Sandusky, Ohio. Chalk crayons. 336,335; June 30; Serial No. 369,905; published Apr. 21, 1936. Class 37.

American Gypsum Company, The, Port Clinton, Ohio. Acoustical plaster. 336,198; June 30; Serial No. 374,960; published Apr. 21, 1936. Class 12.

American Merchandise Co., New York, N. Y. Safety razors and razor blades. 336,292; June 30; Serial No. 375,371; published Apr. 21, 1936. Class 23.

American Oil Company, The, Baltimore, Md. Automobile batteries, spark plugs. 336,181; June 30; Serial No. 373,291; published Apr. 21, 1936. Class 21.

Angueira, Perez y Compañia, Habana, Cuba. Cigars. 336,184–5; June 30; Serial Nos. 373,480–1; published Apr. 21, 1936. Class 17.

Aristocrat Narrow Fabric Co. (See Sidebotham, Horace W.)

Aronsohn, S. J., Inc., New York, N. Y. Fabrics in the piece. 336,276; June 30; Serial No. 375,072; published Apr. 21, 1936. Class 42.

Automatic Reclosing Circuit Breaker Co., The, Columbus, Ohio. Instruments having thermostatically-operated switches for electrically controlling the temperatures produced in the refrigerators. 336,305; June 30; Serial No. 367,335; published Apr. 21, 1936. Class 26.

B. & L. Undergarment Co., Inc., New York, N. Y. Ladies' slips, chemises, and panties. 336,244; June 30; Serial No. 375,117; published Apr. 21, 1936. Class 39.

Baldwin Company, The, Cincinnati, Ohio. Pianos. 336,329; June 30; Serial No. 373,160; published Apr. 21, 1936. Class 36.

Baton Rouge Rice Mill, Inc., Baton Rouge, La. Rice. 336,290; June 30; Serial No. 375,374; published Apr. 21, 1936. Class 46.

Bay West Paper Company, Green Bay, Wis. Paper towels. 336,218; June 30; Serial No. 374,876; published Apr. 21, 1936. Class 37.

Bell Trailer Co. (See Morse, John V.)

Bernstein, Jerome A., New York, N. Y. Children's outerwear and clothing. 336,342; June 30; Serial No. 372,541; published Apr. 14, 1936. Class 39.

Beymer, Marshall, doing business as The Edison Steel Works, Cleveland, Ohio. Saws. 336,183; June 30; Serial No. 373,517; published Apr. 21, 1936. Class 28.

Blurex Mfg. Co. (See Wiley, J. Elliott.)

Böhme Fettchemie-Gesellschaft mit beschränkter Haftung, Chemnitz, Germany. Soap, soap preparations, bleaching preparations, etc. 336,273; June 30; Serial No. 368,324; published Apr. 21, 1936. Class 4.

Borg-Warner Corporation, Chicago, Ill., and Detroit, Mich. Refrigerators and parts thereof. 336,301; June 30; Serial No. 372,956; published Apr. 21, 1936. Class 31.

Bryant Electric Company, The, Bridgeport, Conn. Electric surface wiring material. 336,264; June 30; Serial No. 361,048; published Apr. 21, 1936. Class 21.

Brymore Clothes Inc., New York, N. Y. Men's suits, overcoats, sport suits, etc. 336,143; June 30; Serial No. 374,228; published Apr. 21, 1936. Class 39.

Bulova Watch Company, Inc., New York, N. Y. Watches. 336,172; June 30; Serial No. 373,115; published Apr. 21, 1936. Class 27.

Bulova Watch Company, Inc., New York, N. Y. Watches. 336,175; June 30; Serial No. 373,112; published Apr. 21, 1936. Class 27.

Bulova Watch Company, Inc., New York, N. Y. Watches. 336,176; June 30; Serial No. 373,116; published Apr. 21, 1936. Class 27.

Bulova Watch Company, Inc., New York, N. Y. Watches. 336,247–8; June 30; Serial Nos. 373,113–4; published Apr. 21, 1936. Class 27.

Bushmill Wine & Products Company, Inc., Scranton, Pa. Gin. 336,252; June 30; Serial No. 352,812; published July 24, 1934. Class 49.

California Wineries & Distilleries, Inc., Oakland, Calif. Wines and brandies. 336,251; June 30; Serial No. 349,615; published June 12, 1934. Class 47.

Canadian Copper Refiners Limited, Toronto, Ontario, and Montreal, East Quebec, Canada. Refined copper, refined silver, refined selenium, etc. 336,249; June 30; Serial No. 373,019; published Apr. 21, 1936. Class 14.

Capital City Dairy Co., by change of name to The Capital City Products Company, Columbus, Ohio. Oleomargarin. 110,484; renewed May 30, 1936.

Caravetta, Louis, assignor, by mesne assignments, to Ehrat Cheese Company, Inc., Chicago, Ill. Olive-oil. 108,388; renewed Feb. 3, 1936.

Check-O-Matic Corporation, Bogota, N. J. Blank account sheets, cards, tickets, and checks used in banking accounts. 336,259; June 30; Serial No. 374,707; published Apr. 21, 1936. Class 37.

Chemo-Ray Lens Company. (See Newton, Phillip S.)

Chimes Brownies, Inc., New York, N. Y. Cakes and pastries. 336,310; June 30; Serial No. 372,654; published Apr. 21, 1936. Class 46.

Chittenden & Eastman Company, Burlington, Iowa. Upholstered furniture. 336,144; June 30; Serial No. 374,230; published Apr. 21, 1936. Class 32.

Chorbajian, Jacob, Los Angeles, Calif. Canned candies and pastries. 336,221; June 30; Serial No. 366,552; published Apr. 21, 1936. Class 46.

Cohan, Roth & Stiffson, New York, N. Y. Neckties, cravats, and scarfs. 336,355; June 30. Class 39.

Cohen, Goldman & Co. Inc., New York, N. Y. Coats, vests, pants, and trousers. 336,243; June 30; Serial No. 375,128; published Apr. 21, 1936. Class 39.

Continental Lithograph Corporation, Cleveland, Ohio. Prints and reproductions of paintings. 336,145; June 30; Serial No. 374,448; published Apr. 21, 1936. Class 38.

Continental Pure Products Co. (See Polefsky, Jacob S.)

Cooperative Coconut Products, Inc., Tiaon, P. I. Desiccated coconut. 336,258; June 30; Serial No. 374,785; published Apr. 21, 1936. Class 46.

Corey, Anthony B., Philadelphia, Pa. Oil burners. 336,240; June 30; Serial No. 373,999; published Apr. 21, 1936. Class 34.

Cunningham Cleaner Corporation, New York, N. Y. Washing powder, paste soap, scouring powder, etc. 336,187; June 30; Serial No. 373,285; published Apr. 14, 1936. Class 4.

D & B Products Corporation, Jersey City, N. J. Whiskey. 336,226; June 30; Serial No. 374,819; published Apr. 21, 1936. Class 49.

De Hoyos y Vinent, Jose M., doing business as Sanchez Romate Hnos., Jerez de la Frontera, Spain. Wine. 336,225; June 30; Serial No. 357,720; published June 4, 1935. Class 47.

Dennis Games Company. (See Parker, Mary A.)

Detroit Rex Products Company, Detroit, Mich. Machines for cleaning and degreasing metal parts and the like. 336,256; June 30; Serial No. 373,821; published Apr. 21, 1936. Class 23.

Dieckmann, Charles W., doing business as The Specialty Manufacturers Sales Co., Chicago, Ill. Meat grinder knives and meat grinder plates. 336,299; June 30; Serial No. 372,908; published Apr. 21, 1936. Class 23.

Doubleday Field Diamond Bat Co., The. (See Stalker, Earl G.)

Eagle-Picher Lead Company, The, Cincinnati, Ohio. Refractory bricks, refractory cement, insulating bricks, etc. 336,170; June 30; Serial No. 374,555; published Apr. 21, 1936. Class 12.

Edison Steel Works, The. (See Beymer, Marshall.)

Egan-Luth Bed Company, Inc., Buffalo, N. Y. Mattresses. 336,286–9; June 30; Serial Nos. 375,380–1; published Apr. 21, 1936. Class 32.

Ehrat Cheese Company. (See Caravetta, Louis, assignor.)

Ehrmann, Hilmar, doing business as Hilmar Ehrmann & Company, Louisville, Ky. Whiskey. 336,319; June 30; Serial No. 375,935; published Apr. 21, 1936. Class 49.

Emmert-Hammes, Inc., Detroit, Mich. Model or toy airplanes. 336,324; June 30; Serial No. 375,574; published Apr. 21, 1936. Class 22.

Empire Piece Dyeing and Finishing Company, Paterson, N. J. Fabrics in the piece. 336,199; June 30; Serial No. 374,366; published Apr. 21, 1936. Class 42.

Erlanger, N., Blumgart & Co., Inc., New York, N. Y. Linings, suitings, piece goods, etc. 336,232; June 30; Serial No. 374,184; published Apr. 21, 1936. Class 42.

Ferrocon Corporation, Philadelphia, Pa. Self-supporting units for walls and roofs of steel buildings, and structural building parts and members used therewith. 336,214; June 30; Serial No. 374,926; published Apr. 14, 1936. Class 12.

Fisher, W. G., & Co. Inc., New York, N. Y. Piece goods. 336,182; June 30; Serial No. 373,526; published Apr. 21, 1936. Class 42.

Flash Syrup Company. (See Schwartz, Joseph.)

Floor Maintenance Bureau, Inc., Newark, N. J. Preparation used as a cement and terrasso finish for wooden floors, etc. 336,353; June 30; Serial No. 371,148; published Apr. 21, 1936. Class 12.

Fort Dodge Bottling Works, Inc., Fort Dodge, Iowa. Beverages and syrups and extracts for making the same. 336,328; June 30; Serial No. 375,541; published Apr. 21, 1936. Class 45.

Friedricks, Henry, & Co., New York, N. Y. Clothing for women. 336,344; June 30; Serial No. 372,223; published Apr. 14, 1936. Class 39.

Fuller, W. P., & Co., San Francisco, Calif. Varnishes. 336,323; June 30; Serial No. 375,576; published Apr. 21, 1936. Class 16.

Gates Rubber Company, The. (See International Rubber Co., The, assignor.)

General Desserts Corporation, New York, N. Y. Beverage powder. 336,285; June 30; Serial No. 375,435; published Apr. 21, 1936. Class 45.

General Desserts Corporation, New York, N. Y. Beverage powder. 336,327; June 30; Serial No. 375,543; published Apr. 21, 1936. Class 45.

Glick, Emil, Cleveland, Ohio. Neckties. 336,337; June 30; Serial No. 368,847; published Apr. 21, 1936. Class 39.

Greif, L., & Bro., Incorporated, Baltimore, Md. Top coats, overcoats, vests, etc. 336,188; June 30; Serial No. 375,009; published Apr. 14, 1936. Class 39.

Greif, L., & Bro., Incorporated, Baltimore, Md. Top coats, overcoats, vests, etc. 336,195; June 30; Serial No. 375,010; published Apr. 14, 1936. Class 39.

Greif, L., & Bro., Incorporated, Baltimore, Md. Top coats and overcoats. 336,279; June 30; Serial No. 375,011; published Apr. 21, 1936. Class 39.

Gridd-Stone Co., San Francisco, Calif. Abrasive, scrubbing, cleaning, and polishing stone. 336,186; June 30; Serial No. 373,565; published Apr. 21, 1936. Class 4.

Groneweg & Schoentgen Company, Council Bluffs, Iowa. Canned fish, canned vegetables, canned cherries, etc. 336,322; June 30; Serial No. 375,578; published Apr. 21, 1936. Class 46.

Guild Shirt Company, The, Hazleton, Pa. Wearing apparel. 336,277–8; June 30; Serial Nos. 375,049–50; published Apr. 21, 1936. Class 39.

Gulf Fertilizer Company, The, Tampa, Fla. Fertilizer. 336,215; June 30; Serial No. 365,197; published Sept. 17, 1935. Class 10.

Gilliar, Frank J., Great Neck, N. Y. Distilled dry gin. 336,209; June 30; Serial No. 376,166; published Apr. 21, 1936. Class 49.

Gunnison, Foster, New York, N. Y. Portable buildings, and essential sections of buildings. 336,255; June 30; Serial No. 354,799; published Apr. 14, 1936. Class 12.

Hahlo & Solomon Inc., New York, N. Y. Cotton and rayon piece goods. 336,197; June 30; Serial No. 374,970; published Apr. 21, 1936. Class 42.

Harris Textile Machinery Corporation, Providence, R. I. Elastic yarn and thread. 336,205–6; June 30; Serial Nos. 374,588–9; published Apr. 14, 1936. Class 43.

Heath-Sweetser, Inc., New York, N. Y. Shirts and collars. 336,336; June 30; Serial No. 369,227; published Apr. 21, 1936. Class 39.

Heidner & Company, Tacoma, Wash. Plywood. 336,180; June 30; Serial No. 373,445; published Apr. 14, 1936. Class 12.

High Grade Waistcoat Company, The, New York, N. Y. Men's clothing. 336,177; June 30; Serial No. 373,568; published Apr. 21, 1936. Class 39.

Hirsch, F. S. & W. W., Los Angeles, Calif. Pump tanks. 336,269; June 30; Serial No. 861,523; published Apr. 21, 1936. Class 23.

Hirsch, Maurice, Houston, Tex. Paper weights and book marks. 336,300; June 30; Serial No. 372,913; published Apr. 21, 1936. Class 37.

Hoffman Brothers Company, The, Baltimore, Md. Publications relating to fishing and hunting. 336,146; June 30; Serial No. 374,463; published Apr. 21, 1936. Class 38.

Home Rubber Co., Trenton, N. J. Rubber and cotton duck belting. 336,356; June 30. Class 35.

Honolulu Sake Brewery & Ice Company, Limited, Honolulu, Hawaii. Malt beverage—namely, sake. 336,147; June 30; Serial No. 362,116; published Apr. 21, 1936. Class 48.

Horder's Incorporated, Chicago, Ill. Lead pencils and leads. 336,254; June 30; Serial No. 354,652; published May 7, 1935. Class 37.

Horn, Wm. H., & Brother, Incorporated, Philadelphia, Pa. Hard rubber trusses, leather trusses, arch supports, etc. 336,200; June 30; Serial No. 374,293; published Apr. 21, 1936. Class 44.

Huyck, F. C., & Sons, Rensselaer and Albany, N. Y. Bed blankets of textile fabric. 336,148; June 30; Serial No. 374,192; published Apr. 21, 1936. Class 42.

Huyck, F. C., & Sons, Rensselaer and Albany, N. Y. Woolen blankets. 336,149; June 30; Serial No. 374,193; published Apr. 21, 1936. Class 42.

Imperial Brass Manufacturing Company, The, Chicago, Ill. Accumulators, dehydrators, welding torches, etc. 336,339; June 30; Serial No. 373,042; published Apr. 21, 1936. Class 34.

Imperial Brass Manufacturing Company, The, Chicago, Ill. Accumulators, dehydrators, welding torches, etc. 336,341; June 30; Serial No. 373,043; published Apr. 21, 1936. Class 34.

International Fruit Corporation, Tampa, Fla. Fresh citrus fruits. 336,298; June 30; Serial No. 375,250; published Apr. 21, 1936. Class 46.

International Latex Corporation, Rochester, N. Y. Latex baby pants. 336,178; June 30; Serial No. 373,302; published Apr. 21, 1936. Class 39.

International Rubber Co., The, assignor, by mesne assignments, to The Gates Rubber Company, Denver, Colo. Rubber tires. 109,669; renewed Apr. 11, 1936.

Jewel Incandescent Lamp Co., East Newark, N. J. Incandescent lamps. 336,340; June 30; Serial No. 371,693; published Apr. 21, 1936. Class 21.

Johnson, S. C. & Son, Inc., Racine, Wis. Wax for coating and polishing wood, metal, etc., and lacquer. 336,189; June 30; Serial No. 374,666; published Apr. 21, 1936. Class 16.

Jonsson, Anders J., Linkoping, Sweden. Bottle cap making machines and machines for closing bottles by applying caps. 336,268; June 30; Serial No. 361,361; published Apr. 21, 1936. Class 23.

Julian and Kokenge Co., The, Columbus, Ohio. Women's shoes. 336,357; June 30. Class 39.

K-G Welding and Cutting Company, Inc., New York, N. Y. Cutting and welding torches, handles for cutting and welding apparatus, etc. 336,350; June 30; Serial No. 371,641; published Apr. 21, 1936. Class 34.

Kabo Corset Company, Chicago, Ill. Bust perfectors. 336,347; June 30; Serial No. 372,016; published Apr. 14, 1936. Class 40.

Kaufman, Philip, New York, N. Y. Linings. 336,150; June 30; Serial No. 374,295; published Apr. 21, 1936. Class 42.

Kayser, Henry, & Fils, Inc., New York, N. Y. Scissors, shears, razors, and knives of base metal. 336,358; June 30. Class 23.

Kennedy, David E., Inc., Brooklyn, N. Y. Cove base. 336,151; June 30; Serial No. 374,194; published Apr. 14, 1936. Class 12.

Kerner, Katie, to Shub Bros., Baltimore, Md., successor. Bread. 110,465; renewed May 23, 1936.

Kitchens of El Paseo. (See Shipley, Frank A.)

Knoblauch, Balduin, Hamburg, Germany. Eggs, milk, butter, etc. 336,152; June 30; Serial No. 362,146; published Apr. 21, 1936. Class 46.

Kol-Drink, Inc. (See Seiden, David, assignor.)

Kresge Department Store Newark, Newark, N. J. Rugs. 336,236; June 30; Serial No. 374,145; published Apr. 21, 1936. Class 42.

Kress, S. H., and Company, New York, N. Y. Clothes pins, ironing board covers, and ironing board pads. 336,359; June 30. Class 24.

La Bonte, Pierre, Jr., Co., Inc., Fall River, Mass. Advertising pages sold to newspapers. 336,331–2; June 30; Serial No. 370,662–3; published Apr. 21, 1936. Class 38.

Larkwood Silk Hosiery Mills, Inc., Charlotte, N. C. Hosiery. 336,211; June 30; Serial No. 374,954; published Apr. 21, 1936. Class 39.

Larkwood Silk Hosiery Mills, Inc., Charlotte, N. C. Hosiery. 336,213; June 30; Serial No. 374,930; published Apr. 21, 1936. Class 39.

La Salle & Koch Co., The, Toledo, Ohio. Chairs, tables, benches, etc. 336,153; June 30; Serial No. 373,878; published Apr. 21, 1936. Class 32.

Lee Bros., Alameda, Calif. Natural mineral waters. 336,263; June 30; Serial No. 359,955; published Mar. 5, 1935. Class 45.

Leghorn Trading Co. Inc., New York, N. Y. Edible oils. 336,194; June 30; Serial No. 375,214; published Apr. 21, 1936. Class 46.

Levy Bros. & Adler Rochester, Incorporated, Rochester, N. Y. Men's suits. 336,311; June 30; Serial No. 372,879; published Apr. 21, 1936. Class 39.

Lexington Shirt Corporation, Inc., Lexington, N. C. Shirts. 336,208; June 30; Serial No. 374,562; published Apr. 21, 1936. Class 39.

Lloyd, Harold B., Sioux City, Iowa. Combination card and board game. 336,297; June 30; Serial No. 375,257; published Apr. 21, 1936. Class 22.

Lowenfels, Frederick F., & Son, New York, N. Y. Butter slicers. 336,308; June 30; Serial No. 367,930; published Apr. 21, 1936. Class 23.

Lynchburg Hosiery Mills, Inc., Lynchburg, Va. Hosiery. 336,222; June 30; Serial No. 374,839; published Apr. 21, 1936. Class 39.

Mabley and Carew Company, The, Cincinnati, Ohio. Women's kid gloves. 336,360; June 30. Class 39.

McCrae, James, London, England. Vegetable fibres. 336,302; June 30; Serial No. 372,980; published Apr. 21, 1936. Class 1.

McDougall & Southwick Company, Seattle, Wash. Artificial flowers. 336,303; June 30; Serial No. 367,103; published Apr. 7, 1936. Class 40.

Midland Chemical Laboratories, Inc., Dubuque, Iowa. Dry cleaning paste soap. 336,154; June 30; Serial No. 374,424; published Apr. 14, 1936. Class 4.

Millbrook Products Co., Sommerville, Mass. Fruit flavored gelatine desserts. 336,207; June 30; Serial No. 374,565; published Apr. 21, 1936. Class 46.

Morris Coal and Mining Company, Morris, Ill. Bituminous or soft coal. 336,155; June 30; Serial No. 364,394; published Apr. 21, 1936. Class 1.

Morse, John V., doing business as Bell Trailer Co., Chicago, Ill. Trailers. 336,234; June 30; Serial No. 374,153; published Apr. 21, 1936. Class 19.

Mülhens, Ferd., Inc., New York, N. Y. Soap. 336,296; June 30; Serial No. 375,263; published Apr. 14, 1936. Class 4.

National Aluminate Corporation, Chicago, Ill. Electrical measuring devices. 336,237; June 30; Serial No. 374,090; published Apr. 21, 1936. Class 26.

Nation Wide Papers, Inc., Chicago, Ill. Paper. 336,274; June 30; Serial No. 368,339; published Apr. 21, 1936. Class 37.

Nestle's Milk Products, Inc., New York, N. Y. Malted milk. 336,210; June 30; Serial No. 358,443; published Apr. 21, 1936. Class 46.

Newton, Phillip S., doing business as Chemo-Ray Lens Company, San Francisco, Calif. Optical lenses. 336,284; June 30; Serial No. 375,458; published Apr. 21, 1936. Class 26.

New York Pattern Company, Inc., The, New York, N. Y. Paper patterns for garments. 336,265; June 30; Serial No. 361,109; published Apr. 21, 1936. Class 26.

Nicholson File Company, Providence, R. I. Files and rasps. 336,235; June 30; Serial No. 374,155; published Apr. 21, 1936. Class 23.

Norfolk Paint & Varnish Company, Quincy and North Quincy, Mass. Ready-mixed paints. 336,203; June 30; Serial No. 374,629; published Apr. 21, 1936. Class 16.

Northern Coal & Dock Company, The, St. Paul, Minn. Bituminous coal. 336,275; June 30; Serial No. 368,494; published Apr. 21, 1936. Class 1.

Odora Company, Inc., New York, N. Y. Dry cleaning fluids. 336,272; June 30; Serial No. 368,111; published Apr. 14, 1936. Class 4.

Oetker, August, Bielefeld, Germany. Saccharine, extract of meat, fruit preserves, etc. 336,156; June 30; Serial No. 363,942; published Apr. 21, 1936. Class 46.

Old Age Revolving Pensions, Ltd., Washington, D. C. Letter heads, envelopes, and paper. 336,333; June 30; Serial No. 370,355; published Apr. 21, 1936. Class 37.

O'Sullivan Rubber Co., Portland, Me., and New York, N. Y., assignor, by mesne assignments, to The O'Sullivan Rubber Co., Inc., New York, N. Y. Rubber heels for boots and shoes. 108,345; renewed Feb. 1, 1936.

Pacific Mills, Lawrence and Boston, Mass. Cotton necktie materials. 336,157; June 30; Serial No. 364,193; published Apr. 21, 1936. Class 42.

Parker, Mary A., doing business as Dennis Games Company, Philadelphia, Pa. Number game. 336,351; June 30; Serial No. 371,499; published Dec. 24, 1935. Class 22.

Patch, E. L., Co., The, Boston, Mass., to The E. L. Patch Company, Stoneham, Mass., successor. Sugar of milk. 113,521; renewed Oct. 17, 1936.

Patricia Petticoat Co., Inc., The, New York, N. Y. Ladies' underwear slips. 336,217; June 30; Serial No. 374,901; published Apr. 21, 1936. Class 39.

Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Suits, coats, and pants. 336,216; June 30; Serial No. 374,907; published Apr. 14, 1936. Class 39.

Permastic Limited, New Haw, England. Compositions prepared from condensation products of phenol and formaldehyde. 336,340; June 30; Serial No. 373,051; published Mar. 31, 1936. Class 1.

Pero & Daniels, Inc., Jamaica Plain, Mass. Binding tape for use in boots and shoes. 336,267; June 30; Serial No. 361,323; published Apr. 14, 1936. Class 40.

Petrol Corporation, The, Los Angeles, Calif. Gasoline and kerosene. 336,361; June 30. Class 15.

Pevely Dairy Company, St. Louis, Mo. Evaporated skimmed milk. 336,287; June 30; Serial No. 375,398; published Apr. 21, 1936. Class 46.

Pharis Tire and Rubber Company, The, Newark, Ohio. Pneumatic tires and tubes. 336,271; June 30; Serial No. 374,530; published Apr. 21, 1936. Class 35.

Plumb, Frank L., doing business as Frank L. Plumb Company, Fairfax Mo. Table syrup. 336,262; June 30; Serial No. 356,913; published Apr. 21, 1936. Class 46.

Plymouth Wholesale Dry Goods Corp., New York, N. Y. Boys' outer shirts and pajamas. 336,228; June 30; Serial No. 374,799; published Apr. 21, 1936. Class 39.

Polefsky, Jacob S., doing business as Continental Pure Products Co., Jersey City, N. J. Whiskeys, brandies, gins, etc. 336,309; June 30; Serial No. 376,140; published Apr. 21, 1936. Class 49.

Polefsky, Jacob S., doing business as Continental Pure Products Co., Jersey City, N. J. Whiskies, brandies, gins, etc. 336,312; June 30; Serial No. 376,139; published Apr. 21, 1936. Class 49.

Polefsky, Jacob S., doing business as Continental Pure Products Co., Jersey City, N. J. Whiskeys, brandies, gins, etc. 336,313–14; June 30; Serial Nos. 376,135–6; published Apr. 21, 1936. Class 49.

Powers, Walter P., Chicago, Ill. Gin. 336,317; June 30; Serial No. 376,006; published Apr. 21, 1936. Class 49.

Q. D. A. Laboratories. (See Strassner, Michael J.)

Quaker State Oil Refining Company, Oil City, Pa. Lubricating oils and greases, gasolene, etc. 336,158–9; June 30; Serial No. 374,250–1; published Apr. 21, 1936. Class 15.

Quality Mattress Co., Rochester, N. Y. Mattresses. 336,286; June 30; Serial No. 375,399; published Apr. 21, 1936. Class 32.

Reinfeld, Joseph H., Inc., Newark, N. J. Whiskey. 336,212; June 30; Serial No. 374,941; published Apr. 21, 1936. Class 49.

Reinfeld, Joseph H., Inc., Newark, N. J. Apple jack brandy. 336,227; June 30; Serial No. 374,802; published Apr. 21, 1936. Class 49.

Reinfeld, Joseph H., Inc., Newark, N. J. Whiskey. 336,316; June 30; Serial No. 376,010; published Apr. 21, 1936. Class 49.

Revonah Spinning Mills, Hanover, Pa. Colored jute yarns. 336,196; June 30; Serial No. 374,981; published Apr. 14, 1936. Class 43.

Rolls-Royce Limited, Derby, England. Aircraft engines and parts thereof. 336,304; June 30; Serial No. 367,210; published Apr. 21, 1936. Class 23.

Roman Macaroni Co., Inc., Long Island City, N. Y. Spaghetti and macaroni. 336,362; June 30. Class 46.

Royal Mfg. Co., Los Angeles, Calif. Women's house dresses, aprons, and nurses' and waitresses' uniforms. 336,239; June 30; Serial No. 374,060; published Apr. 21, 1936. Class 39.

Saentis, Inc., Union City, N. J. Shuttle embroidery machines, threading machines, etc., and parts therefor. 336,326; June 30; Serial No. 375,558; published Apr. 21, 1936. Class 23.

Sanchez Romate Hnos. (See de Hoyos y Vinent, Jose M.)

Sayour, Elias, Co. Inc., New York, N. Y. Dresses and blouses. 336,261; June 30; Serial No. 374,700; published Apr. 21, 1936. Class 39.

Schniebs, Otto E., doing business as Otto Eugen Schniebs Co., Hanover, N. H. Wax polish. 336,352; June 30; Serial No. 371,446; published Apr. 21, 1936. Class 16.

Schorsch & Co., Inc., New York, N. Y. Paper bags and merchandise envelopes. 336,246; June 30; Serial No. 375,099; published Apr. 21, 1936. Class 2.

Schrank, M. C., Company, Bridgeton, N. J. Pajamas and negligees. 336,160; June 30; Serial No. 374,437; published Apr. 21, 1936. Class 39.

Schrank, M. C., Company, Bridgeton, N. J. Pajamas, sleeping gowns, slips, etc. 336,190; June 30; Serial No. 373,754; published Apr. 21, 1936. Class 39.

Schwartz, Joseph, doing business as Flash Syrup Company, New York, N. Y. Beverages and syrups for making the same. 336,241; June 30; Serial No. 373,977; published Apr. 21, 1936. Class 45.

Security Products Company, Los Angeles, Calif. Ink wells. 336,233; June 30; Serial No. 374,,162; published Apr. 21, 1936. Class 37.

See's Candy Shops, Incorporated, Los Angeles, Calif. Candy. 336,257; June 30; Serial No. 373,807; published Apr. 21, 1936. Class 46.

Selden, David, assignor to Kol-Drink, Inc., New York, N. Y. Maltless beverage. 336,321; June 30; Serial No. 375,787; published Apr. 21, 1936. Class 45.

Selden, Henry W., and Company, Albany, N. Y. Coin operated bagatelle games, coin operated counter game machines, and toys. 336,320; June 30; Serial No. 375,563; published Apr. 21, 1936. Class 22.

Shafer-Haggart Ltd., Vancouver, British Columbia, Canada. Fish meal, alfalfa meal, fish oil, etc. 336,220; June 30; Serial No. 366,378; published Apr. 21, 1936. Class 46.

Shipley, Frank A., doing business as Kitchens of El Paseo, Santa Paula, Calif. Combinations or blends of herbs and spices for seasoning and spiced vinegar. 336,230; June 30; Serial No. 366,966; published Apr. 21, 1936. Class 46.

Shub Bros. (See Kerner, Katie.)

Shulton, Inc., New York, N. Y. Toilet soaps and shaving creams. 336,295; June 30; Serial No. 375,273; published Apr. 21, 1936. Class 4.

Sidebotham, Horace W., doing business as Aristocrat Narrow Fabric Co., Philadelphia, Pa. Tying tape, clothing tape, lingerie tape, etc. 336,171; June 30; Serial No. 374,537; published Apr. 14, 1936. Class 40.

Simplex Products Sales Corporation, assignor to Simplex Products Corporation, Cleveland, Ohio. Piston rings. 336,348; June 30; Serial No. 371,892; published Apr. 21, 1936. Class 35.

Smidth, F. L., & Co., New York, N. Y. Apparatus such as ball mills, tube mills, and compartment mills. 336,161; June 30; Serial No. 374,215; published Apr. 21, 1936. Class 23.

Société a Responsabilite Limitee Cointreau, Angers, France. Liqueurs. 336,345; June 30; Serial No. 372,291; published Apr. 21, 1936. Class 49.

Specialty Manufacturers Sales Co., The. (See Dieckmann, Charles W.)

Spiegel, May, Stern Company, Incorporated, The, Chicago, Ill. Pneumatic vehicle tires and inner tubes therefor. 336,282–3; June 30; Serial Nos. 375,476–7; published Apr. 21, 1936. Class 35.

Stalker, Earl G., doing business as The Doubleday Field Diamond Bat Co., assignor to Elsie K. Stalker, Cooperstown, N. Y., doing business as The Doubleday Field Diamond Bat Co. Baseball bats. 336,330; June 30; Serial No. 375,523; published Apr. 21, 1936. Class 22.

Standard Oil Company of New Jersey, Wilmington, Del. Lubricating greases. 336,162; June 30; Serial No. 361,856; published Apr. 21, 1936. Class 15.

Standard Oil Company of Pennsylvania, Wilmington, Del. Oils and lubricating greases. 336,363; June 30. Class 15.

Stanley Works, The, New Britain, Conn. Photo electrically controlled door operating equipment. 336,191; June 30; Serial No. 373,234; published Apr. 21, 1936. Class 21.

Star Engraving Company, Ltd., Los Angeles, Calif. Photoengraving plates. 336,334; June 30; Serial No. 370,166; published Apr. 21, 1936. Class 50.

Stark Bros. Ribbon Corporation, New York, N. Y. Textile ribbons. 336,163; June 30; Serial No. 374,441; published Apr. 21, 1936. Class 42.

Steinberger Bros. Glove Corp., New York, N. Y. Doeskin gloves. 336,364; June 30. Class 39.

Steiner-Liberty Corporation, Baltimore, Md. Dresses, coats, blouses, etc. 336,224; June 30; Serial No. 357,686; published Apr. 21, 1936. Class 39.

Stevens-Wiley Manufacturing Company, Inc., The. (See Wiley, J. Elliott, assignor.)

Strassner, Michael J., doing business as Q. D. A. Laboratories, Paterson, N. J. Skin lotions, face creams, throat gargle, etc. 336,164; June 30; Serial No. 364,897; published Apr. 21, 1936. Class 6.

Sullivan, James J., Boston, Mass. Whiskey. 336,315; June 30; Serial No. 376,074; published Apr. 21, 1936. Class 49.

Swift and Company, Chicago, Ill. Oleomargarine. 336,294; June 30; Serial No. 375,357; published Apr. 21, 1936. Class 46.

Teich, Curt, & Company, Inc., Chicago, Ill. Multi-colored post-cards and pictorial illustrations. 336,173–4; June 30; Serial Nos. 373,154–5; published Apr. 21, 1936. Class 38.

Terrell, Luther M., doing business as Terrell Belt Dressing Manufacturing Company, Gadsden, Ala. Belt dressing. 336,270; June 30; Serial No. 361,826; published Apr. 21, 1936. Class 4.

Thomson Machine Company, Belleville, N. J. Dough working machines 336,193; June 30; Serial No. 373,543; published Apr. 21, 1936. Class 23.

Tide Water Oil Company, Bayonne, N. J., and New York, N. Y. Gasoline. 336,165; June 30; Serial No. 374,258; published Apr. 14, 1936. Class 15.

Times-Mirror Printing and Binding House, Los Angeles, Calif. Publication. 336,238; June 30; Serial No. 374,064; published Apr. 21, 1936. Class 38.

Tretex Dress Co., New York, N. Y. Ladies' dresses. 336,192; June 30; Serial No. 373,706; published Apr. 21, 1936. Class 39.

Tri-Valley Packing Association, San Francisco, Calif. Canned fruits and canned vegetables. 336,253; June 30; Serial No. 354,486; published May 7, 1935. Class 46.

Turner & Seymour Manufacturing Company, The, Torrington, Conn. Cast iron alloy. 336,166–7; June 30; Serial Nos. 373,846–7; published Apr. 21, 1936. Class 14.

Unanue, Inc., New York, N. Y. Olive oil. 336,245; June 30; Serial No. 375,110; published Apr. 21, 1936. Class 46.

Underwood Elliott Fisher Company, New York, N. Y. Typewriting and combined writing and calculating machines, and parts thereof. 336,293; June 30; Serial No. 375,360; published Apr. 21, 1936. Class 23.

United States Gypsum Company, Chicago, Ill. Dry plastic cold water paint. 336,242; June 30; Serial No. 373,898; published Apr. 21, 1936. Class 16.

U. S. Laminated Glass Corporation, Indianapolis, Ind. Laminated glass spectacle lenses and blanks therefor. 336,266; June 30; Serial No. 361,197; published Apr. 21, 1936. Class 26.

United States Playing Card Company, The, East Norwood, Cincinnati, Ohio. Playing cards. 336,291; June 30; Serial No. 375,361; published Apr. 21, 1936. Class 22.

United States Playing Card Company, The, East Norwood, Cincinnati, Ohio. Playing cards. 336,325; June 30; Serial No. 375,564; published Apr. 21, 1936. Class 22.

U. S. Vitamin Corporation, Wilmington, Del. Preparations containing various vitamins and minerals. 336,179; June 30; Serial No. 373,467; published Apr. 7, 1936. Class 6.

Voltarc Tubes, Inc., Newark, N. J. Electrodes. 336,168; June 30; Serial No. 374,502; published Apr. 21, 1936. Class 21.

Walker, Hiram, & Sons, Inc., Peoria, Ill. Whiskey. 336,318; June 30; Serial No. 375,967; published Apr. 21, 1936. Class 49.

Walter, D. N. & E., & Co., San Francisco, Calif. Imported Chinese rugs. 336,343; June 30; Serial No. 372,451; published Apr. 21, 1936. Class 42.

Weisbaum Bros., Brower Company, The, Cincinnati, Ohio. Men's neckties and mufflers. 336,219; June 30; Serial No. 374,868; published Apr. 21, 1936. Class 39.

Welker, Harry L., Williamsport, Pa. Latex bath brushes. 336,169; June 30; Serial No. 374,503; published Apr. 21, 1936. Class 29.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Refrigerators and evaporator units for refrigerators. 336,260; June 30; Serial No. 373,759; published Apr. 21, 1936. Class 31.

Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa. Electric washers, ironers and clothes driers. 336,346; June 30; Serial No. 372,121; published Apr. 21, 1936. Class 24.

Wiley, J. Elliott, doing business as Blurex Mfg. Co., assignor to The Stevens-Wiley Manufacturing Company, Inc., Philadelphia, Pa. Starching compounds. 336,231; June 30; Serial No. 333,648; published Mar. 21, 1933. Class 6.

Wiley, C. A., Company, Long Island City, N. Y. Paint enamels, paint colors, varnishes, etc. 336,365; June 30. Class 16.

Williams, R. C., & Company, Inc., New York, N. Y. Sherry wine. 336,223; June 30; Serial No. 366,592; published Apr. 21, 1936. Class 47.

Williams, R. C., & Company, Inc., New York, N. Y. Port wine. 336,229; June 30; Serial No. 366,593; published Apr. 21, 1936. Class 47.

Worcester Knitting Company, Worcester, Mass., and New York, N. Y. Fabrics. 336,366; June 30. Class 42.

Wright, J. A., & Co. Inc., Keene, N. H. Kit containing a metal polish, a sponge, chamois, etc., for cleaning of metals. 336,201–2; June 30; Serial Nos. 373,630–1; published Apr. 21, 1936. Class 50.

Yebisu Denkyu Kabushiki Kwaisha, Tokyo, Japan. Electric lamp bulbs, electric lamps, sockets, etc. 336,307; June 30; Serial No. 367,879; published Apr. 21, 1936. Class 21.

Zeiss, Carl, Jena, Germany. Lenses, prisms, microscopes, etc. 336,280; June 30; Serial No. 375,485; published Apr. 21, 1936. Class 26.

LIST OF REGISTRANTS OF LABELS

Belva Manufacturing Company. (See Douglas, Harry G.)

Bilt Rite Mfg. Co., Grand Rapids, Mich. Bilt-Rite. For Toilet Seats. 47,671; June 30.

Burry Biscuit Corporation, Chicago, Ill., and Linden, N. J. Burry's VB's The Modern Cracker. For Crackers. 47,672; June 30.

Conrad, Frank J., Toledo, Ohio. Coo-Lub. For Lubricants. 47,673; June 30.

Douglas, Harry G., doing business as Belva Manufacturing Company, St. Louis, Mo. Hair-Rx. For Hair Beautifier and Hair Grower. 47,674; June 30.

James Metal Products Co., Chicago, Ill. Handy Tongs. For Tongs. 47,675; June 30.

Sutherland Paper Company, Kalamazoo, Mich. Ice Cream No. 439 A-P-D-F. For Ice Cream. 47,676; June 30.

LIST OF REGISTRANTS OF PRINTS

Chilton Pen Company, Inc., The, New York, N. Y. Chilton Latin Cross Ensemble. For Fountain Pens. 15,762; June 30.

Parker Pen Company, The, Janesville, Wis. "To Settle a Bet". For Pens, Pencils, and Ink. 15,763; June 30.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED

CLASS 1

Coal, Bituminous. Northern Coal & Dock Company. 336,275; June 30; Serial No. 368,494; published Apr. 21, 1936.

Coal, Bituminous or soft. Morris Coal and Mining Company. 336,155; June 30; Serial No. 364,394; published Apr. 21, 1936.

Compositions prepared from condensation products of phenol and formaldehyde. Permastic Limited. 336,340; June 30; Serial No. 373,051; published Mar. 31, 1936.

Vegetable fibres. J. McCrae. 336,302; June 30; Serial No. 372,980; published Apr. 21, 1936.

CLASS 2

Bags and merchandise envelopes, Paper. Schorsch & Co. 336,246; June 30; Serial No. 375,099; published Apr. 21, 1936.

CLASS 4

Abrasive, scrubbing, cleaning, and polishing stone. Gridd-Stone Co. 336,186; June 30; Serial No. 373,565; published Apr. 21, 1936.

Cleaning fluids, Dry. Odora Company, Inc. 336,272; June 30; Serial No. 368,111; published Apr. 14, 1936.

Dressing, Belt. L. M. Terrell. 336,270; June 30; Serial No. 361,826; published Apr. 21, 1936.

Soap. Ferd Mülhens, Inc. 336,296; June 30; Serial No. 375,263; published Apr. 14, 1936.

Soap, Dry cleaning paste. Midland Chemical Laboratories, Inc. 336,154; June 30; Serial No. 374,424; published Apr. 14, 1936.

Soap, soap preparations, bleaching preparations, etc. Böhme Fettchemie-Gesellschaft mit beschränkter Haftung. 336,273; June 30; Serial No. 368,324; published Apr. 21, 1936.

Soaps and shaving creams, Toilet. Shulton, Inc. 336,295; June 30; Serial No. 375,273; published Apr. 21, 1936.

Washing powder, paste soap, scouring powder, etc. Cunningham Cleanser Corporation. 336,187; June 30; Serial No. 373,285; published Apr. 14, 1936.

CLASS 6

Lotions, face creams, throat gargle, etc., Skin. M. J. Strassner. 336,164; June 30; Serial No. 364,897; published Apr. 21, 1936.

Preparations containing various vitamins and minerals. U. S. Vitamin Corporation. 336,179; June 30; Serial No. 373,467; published Apr. 7, 1936.

Starching compounds. J. E. Wiley. 336,231; June 30; Serial No. 333,648; published Mar. 21, 1933.

Sugar of milk. E. L. Patch Co. 113,521; renewed Oct. 17, 1936.

CLASS 10

Fertilizer. Gulf Fertilizer Company. 336,215; June 30; Serial No. 365,197; published Sept. 17, 1935.

CLASS 12

Bricks, refractory cement, insulating bricks, etc., Refractory. Eagle-Picher Lead Company. 336,170; June 30; Serial No. 374,555; published Apr. 21, 1936.

Buildings, and essential sections of buildings, Portable. F. Gunnison. 336,255; June 30; Serial No. 354,799; published Apr. 14, 1936.

Cove base. David E. Kennedy Inc. 336,151; June 30; Serial No. 374,194; published Apr. 14, 1936.

Plaster, Acoustical. American Gypsum Company. 336,198; June 30; Serial No. 374,960; published Apr. 21, 1936.

Plywood. Heidner & Company. 336,180; June 30; Serial No. 373,445; published Apr. 14, 1936.

Preparation used as a cement and terrazzo finish for wooden floors, etc. Floor Maintenance Bureau, Inc. 336,333; June 30; Serial No. 371,148; published Apr. 21, 1936.

Self-supporting units for walls and roof of steel buildings, and structural building parts and members used therewith. Ferrocon Corporation. 336,214; June 30; Serial No. 374,926; published Apr. 14, 1936.

CLASS 14

Alloy, Cast Iron. Turner & Seymour Manufacturing Company. 336,166–7; June 30; Serial Nos. 373,846–7; published Apr. 21, 1936.

Copper, refined silver, refined selenium, etc., Refined. Canadian Copper Refiners Limited. 336,249; June 30; Serial No. 373,019; published Apr. 21, 1936.

CLASS 15

Gasoline. Tide Water Oil Company. 336,165; June 30; Serial No. 374,258; published Apr. 14, 1936.

Gasoline and kerosene. Petrol Corporation. 336,361; June 30.

Greases, Lubricating. Standard Oil Company of New Jersey. 336,162; June 30; Serial No. 361,856; published Apr. 21, 1936.

Oils and greases, gasoline, etc., Lubricating. Quaker State Oil Refining Company. 336,158–9; June 30; Serial Nos. 374,250–1; published Apr. 21, 1936.

Oils and lubricating greases. Standard Oil Company of Pennsylvania. 336,363; June 30.

CLASS 16

Paint, Dry plastic cold water. United States Gypsum Company. 336,242; June 30; Serial No. 373,898; published Apr. 21, 1936.

Paint enamels, paint colors, varnishes, etc. C. A. Wiley Company. 336,365; June 30.

Paints, Ready-mixed. Norfolk Paint & Varnish Company. 336,203; June 30; Serial No. 374,629; published Apr. 21, 1936.

Varnishes. W. P. Fuller & Co. 336,323; June 30; Serial No. 375,576; published Apr. 21, 1936.
Wax for coating and polishing wood, metal, etc. S. C. Johnson & Son, Inc. 336,189; June 30; Serial No. 374,666; published Apr. 21, 1936.
Wax polish. O. E. Schniebs. 336,352; June 30; Serial No. 371,446; published Apr. 21, 1936.

CLASS 17

Cigars. Angueira, Perez y Compañia. 336,184–5; June 30; Serial Nos. 373,480–1; published Apr. 21, 1936.

CLASS 19

Trailers. J. V. Morse. 336,234; June 30; Serial No. 374,153; published Apr. 21, 1936.

CLASS 21

Batteries, spark plugs, Automobile. American Oil Company. 336,181; June 30; Serial No. 373,291; published Apr. 21, 1936.
Door operating equipment, Photo electrically controlled. Stanley Works. 336,191; June 30; Serial No. 373,234; published Apr. 21, 1936.
Electric lamp bulbs, electric lamps, sockets, etc. Yebisu Denkyu Kabushiki Kwaisha. 336,307; June 30; Serial No. 367,879; published Apr. 21, 1936.
Electric lighting fixtures and parts thereof. Ad. Triad, Inc. 336,281; June 30; Serial No. 375,480; published Apr. 21, 1936.
Electrodes. Voltarc Tubes, Inc. 336,168; June 30; Serial No. 374,502; published Apr. 21, 1936.
Incandescent lamps. Jewel Incandescent Lamp Co. 336,349; June 30; Serial No. 371,693; published Apr. 21, 1936.
Wiring material, Electric surface. Bryant Electric Company. 336,264; June 30; Serial No. 361,048; published Apr. 21, 1936.

CLASS 22

Baseball bats. E. G. Stalker. 336,330; June 30; Serial No. 375,523; published Apr. 21, 1936.
Cards, Playing. United States Playing Card Company. 336,291; June 30; Serial No. 375,361; published Apr. 21, 1936.
Cards, Playing. United States Playing Card Company. 336,325; June 30; Serial No. 375,564; published Apr. 21, 1936.
Game, Combination card and board. H. B. Lloyd. 336,297; June 30; Serial No. 375,257; published Apr. 21, 1936.
Game, Number. M. A. Parker. 336,351; June 30; Serial No. 371,499; published Dec. 24, 1935. Class 22.
Games, coin operated counter game machines, and toys, Coin operated. Henry W. Selden and Company. 336,320; June 30; Serial No. 375,863; published Apr. 21, 1936.
Model or toy airplanes. Emmert-Hammes, Inc. 336,324; June 30; Serial No. 375,574; published Apr. 21, 1936.

CLASS 23

Aircraft engines and parts thereof. Rolls-Royce Limited. 336,304; June 30; Serial No. 367,210; published Apr. 21, 1936.
Apparatus such as ball mills, tube mills and compartment mills. F. L. Smidth & Co. 336,161; June 30; Serial No. 374,215; published Apr. 21, 1936.
Bottle cap making machines and machines for closing bottles by applying caps. A. J. Jonsson. 336,268; June 30; Serial No. 361,361; published Apr. 21, 1936.
Dough working machines. Thomson Machine Company. 336,193; June 30; Serial No. 373,543; published Apr. 21, 1936.
Files and rasps. Nicholson File Company. 336,235; June 30; Serial No. 374,155; published Apr. 21, 1936.
Knives and meat grinder plates, Meat grinder. C. W. Dieckmann. 336,299; June 30; Serial No. 372,908; published Apr. 21, 1936.
Machines for cleaning and degreasing metal parts and the like. Detroit Rex Products Company. 336,256; June 30; Serial No. 373,821; published Apr. 21, 1936.
Pump tanks. F. S. & W. W. Hirsch. 336,269; June 30; Serial No. 361,523; published Apr. 21, 1936.
Razors and razor blades, Safety. American Merchandise Co. 336,292; June 30; Serial No. 375,371; published Apr. 21, 1936.
Saws. M. Beymer. 336,183; June 30; Serial No. 373,517; published Apr. 21, 1936.
Scissors, shears, razors, and knives of base metal. Henry Kayser & Fils, Inc. 336,358; June 30.
Shuttle embroidery machines, threading machines, etc., and parts therefor. Saentis, Inc. 336,326; June 30; Serial No. 375,558; published Apr. 21, 1936.
Slicers, Butter. Frederick F. Lowenfels & Son. 336,308; June 30; Serial No. 367,030; published Apr. 21, 1936.
Typewriting and combined writing and calculating machines, and parts thereof. Underwood Elliott Fisher Company. 336,293; June 30; Serial No. 375,360; published Apr. 21, 1936.

CLASS 24

Clothes pins, Ironing board covers, and Ironing board pads. S. H. Kress and Company. 336,359; June 30.
Washers, Ironers and clothes driers, Electric. Westinghouse Electric & Manufacturing Company. 336,346; June 30; Serial No. 372,121; published Apr. 21, 1936.

CLASS 26

Film and plates, and cinematographic films, Sensitized photographic. Agfa Ansco Corporation. 336,354; June 30.
Instruments having thermostatically operated switches for electrically controlling the temperatures produced in refrigerators. Automatic Reclosing Circuit Breaker Co. 336,305; June 30; Serial No. 367,335; published Apr. 21, 1936.
Lenses and blanks therefor, Laminated glass spectacle. U. S. Laminated Glass Corporation. 336,266; June 30; Serial No. 361,197; published Apr. 21, 1936.
Lenses, Ophthalmic. P. S. Newton. 336,284; June 30; Serial No. 375,458; published Apr. 21, 1936.
Lenses, prisms, microscopes, etc. Carl Zeiss. 336,280; June 30; Serial No. 375,485; published Apr. 21, 1936.
Measuring devices, Electrical. National Aluminate Corporation. 336,237; June 30; Serial No. 374,090; published Apr. 21, 1936.
Patterns, Paper. New York Pattern Company. 336,265; June 30; Serial No. 361,109; published Apr. 21, 1936.

CLASS 27

Watches. Bulova Watch Company. 336,172; June 30; Serial No. 373,115; published Apr. 21, 1936.
Watches. Bulova Watch Company. 336,175; June 30; Serial No. 373,112; published Apr. 21, 1936.
Watches. Bulova Watch Company. 336,176; June 30; Serial No. 373,116; published Apr. 21, 1936.
Watches. Bulova Watch Company. 336,247–8; June 30; Serial Nos. 373,113–14; published Apr. 21, 1936.

CLASS 29

Brusbes, Latex bath. H. L. Welker. 336,169; June 30; Serial No. 374,503; published Apr. 21, 1936.

CLASS 31

Refrigerators and evaporator units for refrigerators. Westinghouse Electric & Manufacturing Company. 336,260; June 30; Serial No. 373,759; published Apr. 21, 1936.
Refrigerators and parts thereof. Borg-Warner Corporation. 336,301; June 30; Serial No. 372,956; published Apr. 21, 1936.

CLASS 32

Chairs, tables, benches, etc. Lasalle & Koch Co. 336,153; June 30; Serial No. 373,878; published Apr. 21, 1936.
Furniture, Upholstered. Chittenden & Eastman Company. 336,144; June 30; Serial No. 374,230; published Apr. 21, 1936.
Mattresses. Egan-Luth Bed Company. 336,288–9; June 30; Serial No. 375,380–1; published Apr. 21, 1936.
Mattresses. Quality Mattress Co. 336,286; June 30; Serial No. 375,399; published Apr. 21, 1936.

CLASS 34

Accumulators, dehydrators, welding torches, etc. Imperial Brass Manufacturing Company. 336,339; June 30; Serial No. 373,042; published April 21, 1936.
Accumulators, dehydrators, welding torches, etc. Imperial Brass Manufacturing Company. 336,341; June 30; Serial No. 373,043; published Apr. 21, 1936.
Burners, Oil. A. B. Corey. 336,240; June 30; Serial No. 373,999; published Apr. 21, 1936.
Torches, handles for cutting and welding apparatus, etc., Cutting and welding. K-G Welding and Cutting Company. 336,350; June 30; Serial No. 371,641; published Apr. 21, 1936.

CLASS 35

Belting, Rubber and cotton duck. Home Rubber Co. 336,356; June 30.
Piston rings. Simplex Products Sales Corporation. 336,348; June 30; Serial No. 371,892; published Apr. 21, 1936.
Tires and luner tubes therefor. Spiegel, May, Stern Company. 336,282–3; June 30; Serial Nos. 375,476–7; published Apr. 21, 1936.
Tires and tutes. Pharis Tire and Rubber Company. 336,271; June 30; Serial No. 374,530; published Apr. 21, 1936.
Tires, Rubber. International Rubber Co. 109,669; renewed Apr. 11, 1936.

CLASS 36

Pianos. Baldwin Company. 336,329; June 30; Serial No. 373,160; published Apr. 21, 1936.

CLASS 37

Albums. A. A. Ainsworth. 336,250; June 30; Serial No. 373,094; published Apr. 21, 1936.
Blank account sheets, cards, tickets, and checks used in banking accounts. Check-O-Matic Corporation. 336,259; June 30; Serial No. 374,707; published Apr. 21, 1936.
Chalk crayons. American Crayon Company. 336,335; June 30; Serial No. 369,965; published Apr. 21, 1936.
Ink wells. Security Products Company. 336,238; June 30; Serial No. 374,162; published Apr. 21, 1936.

Letter heads, envelopes, and paper. Old Age Revolving Pensions, Ltd. 336,333; June 30; Serial No. 370,355; published Apr. 21, 1936.
Paper. Nation Wide Papers, Inc. 336,274; June 30; Serial No. 368,339; published Apr. 21, 1936.
Paper towels. Bay West Paper Company. 336,218; June 30; Serial No. 374,876; published Apr. 21, 1936.
Paper weights and book marks. M. Hirsch. 336,300; June 30; Serial No. 372,913; published Apr. 21, 1936.
Pencils and leads, Lead. Horder's Incorporated. 336,254; June 30; Serial No. 354,652; published May 7, 1935.

CLASS 38

Advertising pages sold to newspapers. Pierre La Bonte Jr. Co. 336,331–2; June 30; Serial Nos. 370,662–3; published Apr. 21, 1936.
Post-cards and pictorial illustrations, Multi-colored. Curt Teich & Company. 336,173–4; June 30; Serial Nos. 373,154–5; published Apr. 21, 1936.
Prints and reproduction of paintings. Continental Lithograph Corporation. 336,145; June 30; Serial No. 374,448; published Apr. 21, 1936.
Publication, America Press. 336,306; June 30; Serial No. 367,749; published Apr. 21, 1936.
Publication, Times-Mirror Printing and Binding House. 336,233; June 30; Serial No. 374,064; published Apr. 21, 1936.
Publications relating to fishing and hunting. Hoffman Brothers Company. 336,146; June 30; Serial No. 374,463; published Apr. 21, 1936.

CLASS 39

Apparel, Wearing. Guild Shirt Company. 336,277–8; June 30; Serial Nos. 375,049–50; published Apr. 21, 1936.
Clothing for women. Henry Friedricks & Co. 336,244; June 30; Serial No. 372,223; published Apr. 14, 1936.
Clothing, Men's. High Grade Waistcoat Company. 336,177; June 30; Serial No. 373,568; published Apr. 21, 1936.
Coats and overcoats, Top. L. Greif & Bro., Incorporated. 336,279; June 30; Serial No. 375,011; published Apr. 21, 1936.
Coats, overcoats, vests, etc., Top. L. Greif & Bro., Incorporated. 336,188; June 30; Serial No. 375,009; published Apr. 14, 1936.
Coats, overcoats, vests, etc., Top. L. Greif & Bro., Incorporated. 336,195; June 30; Serial No. 375,010; published Apr. 14, 1936.
Coats, vests, pants and trousers. Cohen, Goldman & Co. Inc. 336,243; June 30; Serial No. 375,128; published Apr. 21, 1936.
Dresses and blouses. Elias Sayour Co. Inc. 336,261; June 30; Serial No. 374,700; published Apr. 21, 1936.
Dresses, aprons, nurses' and waitresses' uniforms, Women's. Royal Mfg. Co. 336,289; June 30; Serial No. 374,060; published Apr. 21, 1936.
Dresses, coats, blouses, etc. Steiner-Liberty Corporation. 336,224; June 30; Serial No. 367,686; published Apr. 21, 1936.
Dresses, Ladies'. Trestex Dress Co. 336,192; June 30. Serial No. 373,706; published Apr. 21, 1936.
Gloves, Doeskin. Steinberger Bros. Glove Corp. 336,364; June 30.
Gloves, Women's kid. Mabley and Carew Company. 336,360; June 30.
Heels for boots and shoes, Rubber. O'Sullivan Rubber Co. 108,345; renewed Feb. 1, 1936.
Hosiery. Larkwood Silk Hosiery Mills, Inc. 336,211; June 30; Serial No. 374,954; published Apr. 21, 1936.
Hosiery. Larkwood Silk Hosiery Mills, Inc. 336,213; June 30; Serial No. 374,930; published Apr. 21, 1936.
Hosiery. Lynchburg Hosiery Mills, Inc. 336,222; June 30; Serial No. 374,839; published Apr. 21, 1936.
Neckties. E. Glick. 336,337; June 30; Serial No. 368,847; published Apr. 21, 1936.
Neckties and mufflers, Men's. Weisbaum Bros., Brower Company. 336,219; June 30; Serial No. 374,868; published Apr. 21, 1936.
Neckties, cravats, and scarfs. Cohan, Roth & Stiffson. 336,355; June 30.
Outerwear and clothing, Children's. J. A. Bernstein. 336,342; June 30; Serial No. 372,541; published Apr. 14, 1936.
Pajamas and negligees. M. C. Schrank Company. 336,160; June 30; Serial No. 374,437; published Apr. 21, 1936.
Pajamas, sleeping gowns, slips, etc. M. C. Schrank Company. 336,190; June 30; Serial No. 373,754; published Apr. 21, 1936.
Pants, Latex baby. International Latex Corporation. 336,178; June 30; Serial No. 373,302; published Apr. 21, 1936.
Shirts. Lexington Shirt Corporation, Inc. 336,208; June 30; Serial No. 374,562; published Apr. 21, 1936.
Shirts and collars. Heath-Sweetser, Inc. 336,336; June 30; Serial No. 369,227; published Apr. 21, 1936.
Shirts and pajamas. Plymouth Wholesale Dry Goods Corp. 336,228; June 30; Serial No. 374,799; published Apr. 21, 1936.
Shoes, Women's. Julian and Kokenge Co. 336,357; June 30.
Slips, chemises, and panties, Ladies'. B. & L. Undergarment Co. 336,244; June 30; Serial No. 375,117; published Apr. 21, 1936.

Slips, Ladies' underwear. Patricia Petticoat Co. 336,217; June 30; Serial No. 374,901; published Apr. 21, 1936.
Suits, coats, and pants. J. C. Penney Company. 336,216; June 30; Serial No. 374,907; published Apr. 14, 1936.
Suits, Men's. Levy Bros. & Adler Rochester, Incorporated. 336,311; June 30; Serial No. 372,879; published Apr. 21, 1936.
Suits, overcoats, sport suits, etc., Men's. Brymore Clothes Inc. 336,143; June 30; Serial No. 374,228; published Apr. 21, 1936.

CLASS 40

Bust perfectors. Kabo Corset Company. 336,347; June 30; Serial No. 372,016; published Apr. 14, 1936.
Flowers, Artificial. McDougall & Southwick Company. 336,303; June 30; Serial No. 367,103; published Apr. 7, 1936.
Tape, clothing tape, lingerie tape, etc., Tying. H. W. Sidebotham. 336,171; June 30; Serial No. 374,537; published Apr. 14, 1936.
Tape for use in boots, shoes, Binding. Pero & Daniels, Inc. 336,267; June 30; Serial No. 361,328; published Apr. 14, 1936.

CLASS 42

Blankets of textile fabric, Bed. F. C. Huyck & Sons. 336,148; June 30; Serial No. 374,192; published Apr. 21, 1936.
Blankets, Woolen. F. C. Huyck & Sons. 336,149; June 30; Serial No. 374,193; published Apr. 21, 1936.
Cotton and rayon piece goods. Hahlo & Solomon Inc. 336,197; June 30; Serial No. 374,970; published Apr. 21, 1936.
Cotton necktie materials. Pacific Mills. 336,157; June 30; Serial No. 364,193; published Apr. 21, 1936.
Fabrics. Worcester Knitting Company. 336,366; June 30.
Fabrics in the piece. S. J. Aronsohn, Inc. 336,276; June 30; Serial No. 375,072; published Apr. 21, 1936.
Fabrics in the piece. Empire Piece Dyeing and Finishing Company. 336,199; June 30; Serial No. 374,966; published Apr. 21, 1936.
Linings. P. Kaufman. 336,150; June 30; Serial No. 374,295; published Apr. 21, 1936.
Linings, suitings, piece goods, etc. N. Erlanger, Blumgart & Co. 336,232; June 30; Serial No. 374,184; published Apr. 21, 1936.
Piece goods. W. G. Fisher & Co. Inc. 336,182; June 30; Serial No. 373,526; published Apr. 21, 1936.
Ribbons, Textile. Stark Bros. Ribbon Corporation. 336,163; June 30; Serial No. 374,441; published Apr. 21, 1936.
Rugs. Kresge Department Store Newark. 336,236; June 30; Serial No. 374,145; published Apr. 21, 1936.
Rugs, Imported Chinese. D. N. & E. Walter & Co. 336,343; June 30; Serial No. 372,451; published Apr. 21, 1936.

CLASS 43

Yarn and thread, Elastic. Harris Textile Machinery Corporation. 336,205–6; June 30; Serial No. 374,588–9; published Apr. 14, 1936.
Yarns, Colored jute. Revonah Spinning Mills. 336,196; June 30; Serial No. 374,981; published Apr. 14, 1936.

CLASS 44

Trusses, leather trusses, arch supports, etc., Hard rubber. Wm. H. Horn & Brother, Incorporated. 336,200; June 30; Serial No. 374,293; published Apr. 21, 1936.

CLASS 45

Beverage powder. General Desserts Corporation. 336,285; June 30; Serial No. 375,485; published Apr. 21, 1936.
Beverage powder. General Desserts Corporation. 336,327; June 30; Serial No. 375,543; published Apr. 21, 1936.
Beverages and sirups and extracts for making the same. Fort Dodge Bottling Works, Inc. 336,328; June 30; Serial No. 375,541; published Apr. 21, 1936.
Beverages and syrups for making the same. J. Schwartz. 336,241; June 30; Serial No. 373,977; published Apr. 21, 1936.
Beverages, Maltless. D. Seiden. 336,321; June 30; Serial No. 375,787; published Apr. 21, 1936.
Waters, Natural mineral. Lee Bros. 336,263; June 30; Serial No. 359,955; published Mar. 5, 1935.

CLASS 46

Bread. K. Kerner. 110,465; renewed May 23, 1936.
Cakes and pastries. Chimes Brownies, Inc. 336,310; June 30; Serial No. 372,654; published Apr. 21, 1936.
Candy. See's Candy Shops, Incorporated. 336,257; June 30; Serial No. 373,807; published Apr. 21, 1936.
Canned candies and pastries. J. Chorbajian. 336,221; June 30; Serial No. 366,552; published Apr. 21, 1936.
Canned fish, canned vegetables, canned cherries, etc. Groneweg & Schoentgen Company. 336,322; June 30; Serial No. 375,578; published Apr. 21, 1936.
Canned fruits and canned vegetables. Tri-Valley Packing Association. 336,253; June 30; Serial No. 354,486; published May 7, 1935.
Coconut, Desiccated. Cooperative Coconut Products, Inc. 336,258; June 30; Serial No. 374,785; published Apr. 21, 1936.

Eggs, milk, butter, etc. B. Knoblauch. 336,152; June 30; Serial No. 362,146; published Apr. 21, 1936.
Fish meal, alfalfa meal, fish oil, etc. Shafer-Haggart Ltd. 336,220; June 30; Serial No. 366,378; published Apr. 21, 1936.
Fruits, Fresh citrus. International Fruit Corporation. 336,298; June 30; Serial No. 375,250; published Apr. 21, 1936.
Gelatine desserts, Fruit flavored. Millbrook Products Co. 336,207; June 30; Serial No. 374,565; published Apr. 21, 1936.
Herbs and spices for seasoning and spiced vinegar, Combinations or blends of. F. A. Shipley. 336,230; June 30; Serial No. 366,966; published Apr. 21, 1936.
Milk, Evaporated skimmed. Pevely Dairy Company. 336,287; June 30; Serial No. 375,398; published Apr. 21, 1936.
Milk, Malted. Nestle's Milk Products, Inc. 336,210; June 30; Serial No. 358,443; published Apr. 21, 1936.
Oils, Edible. Leghorn Trading Co. Inc. 336,194; June 30; Serial No. 375,214; published Apr. 21, 1936.
Oleomargarin. Capital City Dairy Co. 110,484; renewed May 30, 1936.
Oleomargarine. Swift and Company. 336,294; June 30; Serial No. 375,357; published Apr. 21, 1936.
Olive-oil. L. Caravetta. 108,388; renewed Feb. 8, 1936.
Olive oil. Unanue, Inc. 336,245; June 30; Serial No. 375,110; published Apr. 21, 1936.
Rice. Baton Rouge Rice Mill, Inc. 336,290; June 30; Serial No. 375,374; published Apr. 21, 1936.
Saccharine, extract of meat, fruit preserves, etc. A. Detker. 336,156; June 30; Serial No. 363,942; published Apr. 21, 1936.
Spaghetti and macaroni. Roman Macaroni Co. 336,362; June 30.
Syrup, Table. F. L. Plumb. 336,262; June 30; Serial No. 356,913; published Apr. 21, 1936.

CLASS 47

Wine. J. M. de Hoyos y Vinent. 336,225; June 30; Serial No. 357,720; published June 4, 1935.
Wine, Port. R. C. Williams & Company. 336,229; June 30; Serial No. 366,598; published Apr. 21, 1936.
Wine, Sherry. R. C. Williams & Company. 336,228; June 30; Serial No. 366,592; published Apr. 21, 1936.
Wines and brandies. California Wineries & Distilleries Inc. 336,251; June 30; Serial No. 349,615; published June 12, 1934.

CLASS 48

Sake. Honolulu Sake Brewery & Ice Company. 336,147; June 30; Serial No. 362,116; published Apr. 21, 1936.

CLASS 49

Brandy, Apple jack. Joseph H. Reinfeld, Inc. 336,227; June 30; Serial No. 374,802; published Apr. 21, 1936.
Gin. Bushmill Wine & Products Company. 336,252; June 30; Serial No. 352,812; published July 24, 1934.
Gin. W. P. Bowers. 336,317; June 30; Serial No. 376,006; published Apr. 21, 1936.
Gin, Distilled dry. F. J. Gilliar. 336,209; June 30; Serial No. 376,166; published Apr. 21, 1936.
Liqueurs. Société a Responsabilite Limitee Cointreau. 336,345; June 30; Serial No. 372,291; published Apr. 21, 1936.
Liquor known as akvavit, Alcoholic. Aktieselskabet de Danske Spritfabrikker. 336,338; June 30; Serial No. 368,833; published Apr. 21, 1936.
Whiskey. D & B Products Corporation. 336,226; June 30; Serial No. 374,819; published Apr. 21, 1936.
Whiskey. H. Ehrmann. 336,319; June 30; Serial No. 375,935; published Apr. 21, 1936.
Whiskey. Joseph H. Reinfeld, Inc. 336,212; June 30; Serial No. 374,941; published Apr. 21, 1936.
Whiskey. Joseph H. Reinfeld, Inc. 336,316; June 30; Serial No. 376,010; published Apr. 21, 1936.
Whiskey. J. J. Sullivan. 336,315; June 30; Serial No. 376,074; published Apr. 21, 1936.
Whiskey. Hiram Walker & Sons, Inc. 336,318; June 30; Serial No. 375,967; published Apr. 21, 1936.
Whiskeys, brandies, gins, etc. J. S. Polefsky. 336,309; June 30; Serial No. 376,140; published Apr. 21, 1936.
Whiskeys, brandies, gins, etc. J. S. Polefsky. 336,312; June 30; Serial No. 376,139; published Apr. 21, 1936.
Whiskeys, brandies, gins, etc. J. S. Polefsky. 336,313–14; June 30; Serial Nos. 376,135–6; published Apr. 21, 1936.

CLASS 50

Kit containing a metal polish, a sponge, chamois, etc., for cleaning of metals. J. A. Wright & Co. Inc. 336,201–2; June 30; Serial Nos. 373,630–1; published Apr. 21, 1936.
Photo-engraving plates. Star Engraving Company. 336,334; June 30; Serial No. 370,166; published Apr. 21, 1936.

LIST OF LABELS

Bilt-Rite. For Toilet Seats. Bilt Rite Mfg. Co. 47,671; June 30.
Burry's VB's The Modern Cracker. For Crackers. Burry Biscuit Corporation. 47,672; June 30.
Coo-Lub. For Lubricants. F. J. Conrad. 47,673; June 30.
Hair-Rx. For Hair Beautifier and Hair Grower. H. G. Douglas. 47,674; June 30.
Handy Tongs. For Tongs. James Metal Products Co. 47,675; June 30.
Ice Cream No. 439 A-P-D-F. For Ice Cream. Sutherland Paper Company. 47,676; June 30.

LIST OF PRINTS

Chilton Latin Cross Ensemble. For Fountain Pens. Chilton Pen Company. 15,762; June 30.
"To Settle a Bet". For Pens, Pencils, and Ink. Parker Pen Company. 15,763; June 30.

LIST OF REISSUE PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 30TH DAY OF JUNE, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Aktiengesellschaft Brown, Boveri & Cie. (See Wettstein, August, assignor.)
Blanc, Francis E., New Westminster, Canada. Cutting tools. 20,020; June 30.
Bohnenblust, Arnold, Riley, Kans. Pump construction. 20,019; June 30.
Bowen, Herbert C., assignor to Hydraulic Brake Company, Detroit, Mich. Fluid pressure operated brake mechanism. 20,021; June 30.
Burger, Frederick W., Niles, assignor to Clark Equipment Company, Buchanan, Mich. Dual pneumatic wheel. 20,022; June 30.
Butusov, Emil P., deceased, Hollywood, by F. C. Eckmann, administrator, Riverside, Ill., assignor to Westinghouse Electric & Manufacturing Company. Elevator control system. 20,023; June 30.
Clark Equipment Company. (See Burger, Frederick W., assignor.)
Eckmann, Fred C., administrator. (See Butusov, Emil P.)
Hemphill Company. (See Lawson, John and R. H., assignors.)
Hydraulic Brake Company. (See Bowen, Herbert C., assignor.)
Kohler, Michael J., New York, N. Y., assignor to National Nut Company of California. Apparatus for treating nuts. 20,024; June 30.
Lawson, John, Bristol, and R. H. Lawson, Pawtucket, assignors to Hemphill Company, Central Falls, R. I. Machine for knitting fabric. 20,025; June 30.
Lawson, Robert H. (See Lawson, John and R. H.)
National Nut Company of California. (See Kohler, Michael J., assignor.)
Thoma, Hans, Karlsruhe, Germany. Hydraulic pump and motor. 20,026; June 30.
Westinghouse Electric & Manufacturing Company. (See Butusov, Emil P., assignor.)
Wettstein, August, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Fuel nozzle for oil furnaces. 20,027; June 30.

LIST OF DESIGN PATENTEES

Adams, Wilbur H. (See Roe, M. E., and Adams.)
Adrian, Lawrence R., Iowa City, Iowa. Figure toy. 100,187; June 30.
Alberg, Henry, Millstadt, Ill. Cigar and cigarette holder. 100,188; June 30.
Albertson & Company. (See Albertson, Frans O., assignor.)
Albertson, Frans O., assignor to Albertson & Company, Inc., Sioux City, Iowa. Hot air gun. 100,189; June 30.
Allen, Jack G., assignor to F. H. Noble & Co., Chicago, Ill. Cup or similar article. 100,190; June 30.
Ardizone, Enzo, New York, N. Y. Glove. 100,191; June 30.
Art Metal Construction Company. (See Johnson, Carl A., assignor.)
Ashton Valve Company, The. (See Baker, H. S., and Motherwell, assignors.)
Babcock, Alfred R., Chicago, Ill. Nonrepeating indicator. 100,192; June 30.
Baker, Harry S., Arlington, and J. W. Motherwell, Melrose, assignors to The Ashton Valve Company, Cambridge, Mass. Illuminated gauge. 100,193; June 30.
Bassick Company, The. (See Martin, Raymond H., assignor.)
Battery Patents Corporation. (See Henry, Harry H., assignor.)
Beck, George A., Bridgeport, Conn., assignor to General Electric Company, New York, N. Y. Escutcheon plate. 100,194; June 30.
Bellamy, William D., assignor to O. T. Brightwell, Henderson, Tex. Electric roll baker or similar article. 100,195; June 30.
Berman, Israel, Little Falls, N. Y. Slipper. 100,196; June 30.
Boysen, George M., Philadelphia, Pa. Lace. 100,243; June 30.
Boysen, George M., Philadelphia, Pa. Lace. 100,244; June 30.
Brewer, Chas. A., & Sons. (See Brewer, Nelson C., assignor.)
Brewer, Nelson C., assignor to Chas. A. Brewer & Sons, Chicago, Ill. Embossed hot dish mat or similar article. 100,197; June 30.
Briggs Manufacturing Company. (See Coordes, Harry G., assignor.)
Brightwell, Ollie T. (See Bellamy, William D., assignor.)
Brockway Glass Company. (See Steuernagle, John H., assignor.)
Brown & Bigelow. (See Wege, John P., assignor.)
Brown, H. Brainard, Rochester, N. Y. Thermometer. 100,198; June 30.
Burgess Battery Company. (See Burgess, Charles F., assignor.)
Burgess, Charles F., Bokeelia, Fla., assignor to Burgess Battery Company, Madison, Wis. Dry cell battery. 100,199; June 30.
Callahan, James P. (See Woodward, E. E., and Callahan.)
Carnes, Samuel J., Camden, Ark. Fish bowl. 100,200; June 30.
Chiles, Sinclair W., Bethlehem, Pa. Plaque or similar article. 100,201; June 30.
Clements, John W., Richmond, Ind., assignor to The Huffman Manufacturing Company, Dayton, Ohio. Bicycle. 100,202; June 30.
Clements, John W., Richmond, Inc., assignor to The Huffman Manufacturing Company, Dayton, Ohio. Bicycle frame. 100,203; June 30.
Colson Corporation, The. (See Roe, M. E., and Adams, assignors.)
Coordes, Harry G., assignor to Briggs Manufacturing Company, Detroit, Mich. Lavatory cabinet or similar article. 100,204; June 30.
Coordes, Harry G., assignor to Briggs Manufacturing Company, Detroit, Mich. Lavatory cabinet or similar article. 100,205; June 30.
Davis, Henry K. B., Springfield, Mass. Golf ball or the like. 100,206; June 30.
Depue, Clark A., Clinton, assignor to The Maytag Company, Newton, Iowa. Washing machine or the like. 100,207; June 30.
Depue, Clark A., Clinton, assignor to The Maytag Company, Newton, Iowa. Washing machine or the like. 100,208; June 30.
Fabry, William H., Alhambra, Calif. Portable air conditioning apparatus. 100,209; June 30.
Fitzmaurice, Douglas F. H., London, England. Automobile. 100,210; June 30.
Friedman, Louis E., Brooklyn, N. Y. Slipper. 100,211; June 30.
General Electric Company. (See Beck, George A., assignor.)
General Motors Corporation. (See Little, John H., assignor.)
Hanlon & Goodman Co. (See Wright, Ernest B., assignor.)
Henry, Harry H., assignor to Battery Patents Corporation, Chicago, Ill. Tricycle. 100,212; June 30.
Huffman Manufacturing Company, The. (See Clements, John W., assignor.)
Johnson, Carl A., assignor to Art Metal Construction Company, Jamestown, N. Y. Metal locker or similar article. 100,213; June 30.
Joost, William E., Oakland, Calif. Display sign. 100,214; June 30.
Keller, Myrtle R., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y. Typewriting machine. 100,245; June 30.
Kidde, Walter, Sales Company. (See Towart, Archie, Jr., assignor.)
Klipfel, John M., Elizabeth, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y. Safety tread plate. 100,215; June 30.
Little, John H., assignor to General Motors Corporation, Detroit, Mich. Automobile radio speaker unit. 100,216; June 30.
Lorenzen, Arnold I., assignor to Owens-Illinois Glass Company, Toledo, Ohio. Bottle. 100,217; June 30.
Martin, Raymond H., assignor to The Bassick Company, Bridgeport, Conn. Drawer pull. 100,218; June 30.
Maytag Company, The. (See Depue, Clark A., assignor.)
Monnin, Joseph G., San Leandro, Calif. Storage battery container. 100,219; June 30.

Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Sled. 100,220; June 30.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Cook stove. 100,221; June 30.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Deck chair. 100,222; June 30.
Morgan, John R., Oak Park, assignor to Sears, Roebuck and Co., Chicago, Ill. Handlebar grip. 100,223; June 30.
Motherwell, Joseph W. (See Baker, H. S., and Motherwell.)
Mullen, Mary, assignor to Rosenau Bros. Inc., Philadelphia, Pa. Dress. 100,224; June 30.
Noble, F. H., & Co. (See Allen, Jack G., assignor.)
Onondaga Pottery Company. (See Wigley, John T., assignor.)
Owens-Illinois Glass Company. (See Lorenzen, Arnold I., assignor.)
Porter Clyde A., Aurora, Ill. Sink brush. 100,225; June 30.
Quinn, Ada, Ogden, Utah. Apron. 100,226; June 30.
Reed & Barton. (See Turner, George L., assignor.)
Reiman, Paul, New York, N. Y. Textile fabric or similar article. 100,246; June 30.
Reiman, Paul, New York, N. Y. Textile fabric or similar article. 100,247; June 30.
Roe, Mayo E., Elyria, and W. H. Adams, Cleveland, assignors to The Colson Corporation, Elyria, Ohio. Invalid chair. 100,248; June 30.
Rosenau Bros. Inc. (See Mullen, Mary, assignor.)
Sears, Roebuck and Co. (See Morgan, John R., assignor.)
Smith, L. C., & Corona Typewriters, Inc. (See Keller, Myrtle R., assignor.)
Sobel, Harry, New York, N. Y. Shoe. 100,227; June 30.
Sobel, Harry, New York, N. Y. Shoe. 100,228; June 30.
Socony-Vacuum Oil Company. (See Klipfel, John M., assignor.)
Solomon, Bernard M., Montgomery, Ala. Combined ornamental display and name plate. 100,229; June 30.
Solomon, Max, New York, N. Y. Lace. 100,249; June 30.
Solomon, Max, New York, N. Y. Lace. 100,250; June 30.
Solomon, Max, New York, N. Y. Lace. 100,251; June 30.
Steelman, James S., assignor to Whitall Tatum Company, Millville, N. J. Bottle. 100,230; June 30.
Steuernagle, John H., Du Bois, assignor to Brockway Glass Company, Inc., Brockway, Pa. Bottle. 100,231; June 30.
Steuernagle, John H., Du Bois, Pa. Bottle. 100,232; June 30.
Stewart, Archie Jr., West Caldwell, assignor to Walter Kidde Sales Company, Bloomfield, N. J. Siphon bottle. 100,233; June 30.
Turner, George L., assignor to Reed & Barton, Taunton, Mass. Spoon or similar article. 100,234; June 30.
Vretman, Carl G., Atlanta, Ga. Humidifier. 100,235; June 30.
Warner, Selden G., West Orange, N. J. Diamond tool. 100,236; June 30.
Wege, John P., assignor to Brown & Bigelow, St. Paul, Minn. Brief case. 100,237; June 30.
Whitall Tatum Company. (See Steelman, James S., assignor.)
Wigley, John T., assignor to Onondaga Pottery Company, Syracuse, N. Y. Plate or similar article. 100,238; June 30.
Woodward, Emmett E., San Mateo, and J. P. Callahan, San Francisco, Calif. Motor vehicle ventilator. 100,239; June 30.
Wright, Ernest B., Montclair, assignor to Hanlon & Goodman Co., Belleville, N. J. Combined advertising display stand and brushes therefor. 100,240; June 30.
Wright, Harland F., New York, N. Y. Bootee. 100,241; June 30.
Wright, Harland F., New York, N. Y. Bootee. 100,242; June 30.

LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 30TH DAY OF JUNE, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abbott, Charles C., Pittsfield, Mass., assignor to General Electric Company. Electric terminal connection. 2,046,102; June 30.
Abraham, Leonard G. (See Nyquist, H., Wright, and Abraham.)
Adams, Frederick W., Stoneham, Mass., and G. S. Witham, Jr., Lincoln, N. H. Method of and apparatus for producing paper pulp. 2,045,818; June 30.
Adaskin, John, Toronto, Ontario, Canada. Banking device for vehicles. 2,045,562; June 30.
Adico Development Corporation. (See Goosmann, Justus C., assignor.)
Adkins, Homer, Madison, Wis., and C. F. Winans, Akron, Ohio. Catalytic synthesis of amines. 2,045,574; June 30.
Adlake Company, The. (See Larson, Carl H., assignor.)
Adlake Company, The. (See Larson, C. H., and McCarthy, assignors.)
Air Ice Research & Development Corp. (See Clark, Walter G., assignor.)
Air-Maze Corporation. (See Schaaf, A. E., and Walton, assignors.)
Aktiebolaget Gerh. Arehns Mekaniska Verkstad. (See Johnson, Bror A. E., assignor.)
Aktiengesellschaft Brown, Boveri & Cie. (See Aubort, Edouard, assignor.)
Albrecht, Christian A., Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y. Metal pot for matrix composing and line casting machines. 2,045,681; June 30.
Alexander, James N., Birmingham, Ala. Saw. 2,046,231; June 30.
Alexandersson, Harald V., assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden. Automatic telephone system. 2,045,682; June 30.
Alfthan, Johannes, New York, N. Y., assignor to Du Pont Viscoloid Company, Wilmington, Del. Refining cellulose acetate. 2,045,628; June 30.
Allen, Earl M., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,046,049; June 30.
Allen, Thomas J., San Antonio, Tex. Expander for pistons. 2,045,819; June 30.
Allison, Robert L., assignor to United States Envelope Company, Springfield, Mass. Paper drinking cup. 2,045,746; June 30.
Amend, William J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Catalytic hydrogenation of aromatic aldehydes. 2,046,011; June 30.
American Bemberg Corporation. (See Hofmann, Hugo, assignor.)
American Buckle Co. (See White, P. W., and Heinze, assignors.)
American Cable Company. (See Burd, Gorman C., assignor.)
American Can Company. (See Edwards, Harvey G., assignor.)
American Can Company. (See Reynolds, Henry T., assignor.)
American Hyalsol Corporation. (See Bertsch, Heinrich, assignor.)
American Mine Door Company, The. (See Gurney, Albert J., assignor.)
American Telephone and Telegraph Company. (See Nyquist, H., Wright, and Abraham, assignors.)
American Telephone and Telegraph Company. (See Taylor, Charles C., assignor.)
American Television Laboratories, Inc. (See de Forest, Lee, assignor.)
American Window Glass Company. (See Young, Albert N., assignor.)
Amory, Otis T. (See Baruch, H. N., Amory, and Bloxom.)
Anders, Guido, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Automatic gain control receiver. 2,046,144; June 30.
Andersen, Martin G., Frederiksberg, near Copenhagen, Denmark. Atomizer. 2,046,232; June 30.
Anderson, David L. (See Klingberg, E. G., and Anderson.)
Andrews Company. (See Andrews, Isaac, assignor.)
Andrews, Isaac, assignor to Andrews Company, Spartanburg, S. C. Expansion twine harness. 2,045,683; June 30.
Andrews, Isaac, assignor to Andrews Company, Spartanburg, S. C. Twine heddle. 2,045,684; June 30.
Anschicks, Rudolph J., assignor to M. E. Shire, Chicago, Ill. Hose connection. 2,045,975; June 30.
Antone, John, San Francisco, Calif. Paper towel cabinet. 2,045,820; June 30.
Apex Electrical Manufacturing Company. (See Frantz, W. A., and McCabe, assignors.)
Archea, Walter D., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Transmission and control mechanism for milling machines. 2,045,685; June 30.
Arenda Corporation. (See Graham, George H., assignor.)
Armington, Arthur P., Willoughby, assignor to The Euclid Road Machinery Company, Euclid, Ohio. Crawler wheel link. 2,046,299; June 30.
Armstrong, A. Gordon, et al. (See Smith, Arthur R., assignor.)
Armstrong Cork Company. (See Brand, Norman A., assignor.)
Armstrong Cork Company. (See Prentis, Henning W., Jr., assignor.)
Armstrong Cork Company. (See St. Claire, Charles W., assignor.)
Armstrong Cork Company. (See Tucker, William B., assignor.)
Armstrong Cork Company. (See Votteler, Frederick, assignor.)
Armstrong, Walter J., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Coal crusher. 2,045,686; June 30.
Armstrong, Walter J., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Reducing machine. 2,045,687; June 30.
Armstrong, Walter J., assignor to The Jeffrey Manufacturing Company, Columbus, Ohio. Reducing machine. 2,045,688; June 30.
Armstrong, Walter J., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Rotary reducing machine. 2,045,689; June 30.
Armstrong, Walter J., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Reducing machine. 2,045,690; June 30.
Armstrong, Walter J., Columbus, Ohio, assignor to The Jeffrey Manufacturing Company. Pulverizer. 2,045,691; June 30.
Arnold, Herrick R., Elmhurst, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Ketone condensation products. 2,046,145; June 30.
Arnold, James B. (See Claflin, H. C., and Arnold.)
Associated Electric Laboratories, Inc. (See Wyant, Leroy, assignor.)
Atlantic Refining Company, The. (See Ferris, Seymour W., assignor.)
Aubort, Edouard, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland. Noise suppression system for telephone lines. 2,046,050; June 30.
Audain, Raoul, assignor of one-fifth to W. B. Hampton, Washington, D. C. Electrical heater. 2,046,238; June 30.
Austin, Ellsworth W., assignor to La Plant-Choate Manufacturing Company, Incorporated, Cedar Rapids, Iowa. Pump. 2,046,103; June 30.
Austin, Reed S., assignor to C. M. Stroud, Minneapolis, Minn. Control mechanism. 2,045,821; June 30.
Austin, Willis W., Yoder, Wyo. Agricultural implement. 2,046,284; June 30.
Automatic Rotary Transmission Co. (See Cotanch, Earl E., assignor.)
Babcock & Wilcox Tube Company, The. (See Havey, Joseph P., assignor.)
Baden, David, Hazleton, Pa. Tobacco can. 2,046,235; June 30.
Baehr, Hans, Leuna, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Removal of weak acids and ammonia from gases. 2,045,747; June 30.
Bagley, Robert M., Haddonfield, assignor to R. M. Hollingshead Corporation, Camden, N. J. Liquid sprayer. 2,045,893; June 30.
Baker & Company. (See Colby, Edward A., assignor.)
Baldt Anchor Chain & Forge Corporation. (See Powell, J. H., and Staats, assignors.)
Baldwin-Southwark Corporation. (See Moody, Lewis F., assignor.)
Ball, Francis J., Willow Grove, Pa., assignor of two-thirds to C. M. Biddle, 3d, Riverton, N. J. Garden flat. 2,046,236; June 30.
Ballantine, Stuart, Mountain Lakes, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Volume control for amplifiers. 2,046,237; June 30.
Balsiger, Harold E., assignor to Landis Tool Company, Waynesboro, Pa. Automatic work driving device. 2,046,238; June 30.

Banks, Harry R., Creston, Iowa. Travel guide. 2,045,822; June 30.

Bardrof, Frank E., Shaker Heights, Ohio. Mensometer. 2,046,239; June 30.

Barrett Company, The. (See Miller, Stuart P., assignor.)

Barrow, James T., New York, N. Y. Automatic hydraulic valve for water heating systems. 2,045,823; June 30.

Baruch, Hartwig N., White Marsh, and O. T. Amory, Newport News, and O. A. Bloxom, Battery Park, Va. Heating unit. 2,046,051; June 30.

Bates, Hamilton C., Chester, Conn. Folding receptacle. 2,045,573; June 30.

Bausch & Lomb Optical Company. (See Hubbell, Daniel D., assignor.)

Bayley, Thomas W., Los Angeles, Calif. Abrasive article. 2,046,240; June 30.

Bear, William L., Dayton, and G. R. Walker, Oakwood, Ohio. Nonglare reflector. 2,045,564; June 30.

Beard, Lawrence O., Lancaster, Pa. Tool for removing ridges from cylinder walls. 2,046,241; June 30.

Becher, Theodor, Wiesbaden, assignor to Maschinenfabrik Augsburg-Nürnberg, A. G., Nuremberg, Germany. Packing for movable dam structures. 2,045,824; June 30.

Becher, Theodor, Wiesbaden, assignor to Maschinenfabrik Augsburg-Nürnberg, A. G., Nuremberg, Germany. Packing for movable dam structures. 2,045,825; June 30.

Bechler, André Moutier, Switzerland. Split chuck with conical head. 2,046,052; June 30.

Becket, Frederick M., New York, and R. Franks, Niagara Falls, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Heat treatment of chromium alloy steels. 2,046,012; June 30.

Beckett, William A., Kingsville, assignor of one-half to F. K. Jasperson, Windsor, Ontario, Canada. Gas burner. 2,045,692; June 30.

Bedilion, Robert W., U. S. Navy. Method of and apparatus for treating metal castings. 2,045,576; June 30.

Belcher, Warren J., West Hartford, assignor to The Whitney Chain & Mfg. Company, Hartford, Conn. Enclosure for flexible connections. 2,045,566; June 30.

Bell Telephone Laboratories, Incorporated. (See Burton, Everett T., assignor.)

Bell Telephone Laboratories, Incorporated. (See Gargan, J. O., and Young, assignors.)

Bell Telephone Laboratories, Incorporated. (See Mason, Warren P., assignor.)

Bell Telephone Laboratories, Incorporated. (See Stockfleth, Sigurd J., assignor.)

Bemis Bag Bro. Co. (See Brady, Charles V., assignor.)

Bendix Brake Company. (See Bendix, Vincent, assignor.)

Bendix Brake Company. (See Frankland, Edwin, assignor.)

Bendix, Vincent, Chicago, assignor to Bendix Brake Company, South Bend, Ind. Brake mechanism. 2,046,053; June 30.

Benner, James J., Maple Heights, assignor to The Gehauer Chemical Company, Cleveland, Ohio. Device for administering volatile liquid anesthetics. 2,046,300; June 30.

Benolken, Clemence J., St. Paul, Minn. Automobile heating and defrosting apparatus. 2,045,826; June 30.

Benson, Jewell R., Troy, Kans. Surface gauge and marker. 2,045,563; June 30.

Bentley Engineering Company, Limited, The. (See Bentley, P. A., Deans, Manger, and Wainwright, assignors.)

Bentley, Percival A., F. E. Deans, C. F. Manger, and C. H. Wainwright, assignors to The Bentley Engineering Company Limited, Leicester, England. Circular knitting machine and method of knitting. 2,045,938; June 30.

Berg, Robert H., San Francisco, Calif. Truck and trailer loading and unloading device. 2,045,566; June 30.

Berggren, Per J., New York, N. Y. Film loop control for motion picture machines. 2,045,748; June 30.

Berlin-Karlsruher Industrie-Werke Aktiengesellschaft. (See Rinkel, Otto, assignor.)

Berlyn, Martin J., Montreal, assignor to Dominion Engineering Works Limited, Lachine, Quebec, Canada. Motor driven power unit for operating valves and the like. 2,046,283; June 30.

Bersin, Daniel, New York, N. Y. Coat front pad. 2,045,827 June 30.

Bertsch, Heinrich, Chemnitz, Germany, assignor, by mesne assignments, to American Hyalsol Corporation, Wilmington, Del. Preventing the detrimental formation of lime and magnesia soaps. 2,046,242; June 30.

Beryllium Corporation, The. (See Claflin, H. C., and Arnold, assignors.)

Bettis, William L., Los Angeles, Calif. Well casing protector. 2,045,629; June 30.

Beynon, Le Guay, Glendale, assignor to Union Oil Company of California, Los Angeles, Calif. Separation of hard wax from soft wax associated therewith. 2,046,567; June 30.

Biddle, Charles M., 3d. (See Ball, Francis J., assignor.)

Bigney, S. O., & Company. (See MacIntosh, Charles L., assignor.)

Bingel, Rudolf, Berlin-Charlottenburg, and H. Weinert, Berlin-Spandau, assignors to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany. Tracer control for material working machines. 2,046,013; June 30.

Binns, George W., assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Grinding machine. 2,045,894; June 30.

Bishop & Babcock Manufacturing Company, The. (See Müller, Frederick W., assignor.)

Björklund, Gustaf E., Lidingo, assignor to Svenska Aktiebolaget Gasaccumulator, Stockholm, Sweden. Liquid fuel combustion apparatus. 2,045,895; June 30.

Blanchard, Benjamin B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Welt butting machine. 2,045,577; June 30.

Blanchard, Lloyd H., Barre, Mass. Cleaning and massage device for dental purposes. 2,045,939; June 30.

Blau, Ludwig W., and L. Statham, Houston, Tex., assignors to Standard Oil Development Company. Method and apparatus for seismic prospecting. 2,046,104; June 30.

Blaw-Knox Company. (See Harrington, Edward LeR., assignor.)

Bloxom, Obed A. (See Baruch, H. N., Amory, and Bloxom.)

Boehringer, C. F., & Soehne G. m. b. H. (See Müller, R., Hatzig, and Rabald, assignors.)

Boeing Aircraft Company. (See Dormoy, Etienne, assignor.)

Boeing Airplane Company. (See Minshall, R. J., and Cram, assignors.)

Bond, Charles. (See Bowen, James, assignor.)

Bond Electric Corporation. (See Darling, Roy L., assignor.)

Bonna Pipe Company of America, Inc., The. (See Ogee, Maurice M., assignor.)

Booge, James E., Newark, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours & Company. Blended pigment. 2,046,054; June 30.

Borroughs, Joseph N., Oakland, Calif. Towel cabinet. 2,045,828; June 30.

Boshkoff, George J., Buffalo, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Apparatus for producing oxygen of high purity. 2,046,284; June 30.

Bossert Company. (See Clement, Walter J., assignor.)

Botley, Richard M. (See Hoyt, S. T., and Botley.)

Bowen, James, Manheim, assignor to C. Bond, Philadelphia, Pa. Caster control mechanism for movable trucks and the like. 2,046,105; June 30.

Bowes, Urban E., Toledo, Ohio, assignor to Owens-Illinois Glass Company. Method and apparatus for surface treating glass containers. 2,046,302; June 30.

Boyce, Leonard D., Maplewood, Mo. Internal combustion engine. 2,045,829; June 30.

Bozeman, John F., Houston, Tex. Core drilling apparatus. 2,046,106; June 30.

Brady, Charles V., Webster Groves, assignor to Bemis Bag Bro. Co., St. Louis, Mo. Bag. 2,046,146; June 30.

Brand, Norman A., assignor to Armstrong Cork Company, Lancaster, Pa. Wall construction. 2,045,940; June 30.

Braselton, Chester H., New York, N. Y., assignor to Sirian Lamp Company, Newark, N. J. Unitary illuminating device. 2,046,285; June 30.

Bratman, Barnet, Brooklyn, N. Y. Stitched cloth and manufacturing same. 2,045,630; June 30.

Breddin, Heinrich, Kirchhain, Germany. Apparatus for extracting drugs and the like. 2,046,055; June 30.

Breitenstein, Albert F., assignor to The Geometric Tool Company, New Haven, Conn. Adjustable die-head. 2,046,014; June 30.

Bremer, Edmund W., Weehawken, N. J. Electrical current conductor. 2,046,056; June 30.

Briody, Bernard C., assignor to Truscon Steel Company, Youngstown, Ohio. Tie rod holding stake. 2,046,303; June 30.

Brixmesh Corporation. (See Schnurer, Octave, assignor.)

Broder, Simon, Washington, D. C. Thermometer. 2,045,693; June 30.

Brody, Samuel C. (See Lenk, David A., assignor.)

Brody, Samuel C., Brighton, Mass. Support and dispensing device. 2,045,941; June 30.

Brody, Samuel C., Brighton, Mass. Support. 2,045,942; June 30.

Brogren, Axel V., Detroit, Mich. Window operating mechanism. 2,045,694; June 30.

Brooks, Arthur W. (See Wright, Harold A., assignor.)

Brooks, Charles B., Masontown, Pa. Coin selector and rejector. 2,045,976; June 30.

Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Selvage trimming mechanism. 2,046,286; June 30.

Brown, Leslie. (See Hoy, J. E., and Brown.)

Brown, Ned C. L. Scottsville, assignor to General Railway Signal Company, Rochester, N. Y. Control system for classification yards. 2,045,695; June 30.

Bruhaker, Walter S., and A. J. Saarinen, assignors to Granberg Meter Corporation, San Francisco, Calif. Automatic control means. 2,046,304; June 30.

Bruckner, Nicholas, et al. (See De Nagy, Bela, assignor.)

Brundage, Helen B., Tryon, N. C. Costumed figure. 2,045,830; June 30.

Brusca, Joseph L., assignor to S K F Industries, Inc., Philadelphia, Pa. Bearing mounting. 2,045,896; June 30.

Bryce, James W., Bloomfield, N. J., assignor to International Business Machines Corporation, New York, N. Y. Punching device. 2,045,977; June 30.

Bubb, William F. (See Furnival, J. M., and Bubb.)

Buc, Hyym E., Roselle, N. J., assignor to Standard Oil Development Company. Motor fuel. 2,046,248; June 30.

Buc, Hyym E., Roselle, and R. Schuler, Elizabeth, N. J., assignors to Standard Oil Development Company. Production of alkyl phenols from petroleum hydrocarbons. 2,045,749; June 30.

Bucyrus-Erie Company. (See Fryse, Mitchell L., assignor.)

Budd Wheel Company. (See Bkserglan, Carolus L., assignor.)

Buford, Edwin H., Anniston, Ala. Ventilating system for motor vehicles. 2,045,578; June 30.

Bunbury, Hugh M., R. B. F. F. Clarke, and W. J. R. Evans, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited. Adhesives and products derived therefrom. 2,046,015; June 30.

Burd, Gorman C., Adrian, Mich., assignor to American Cable Company, Inc., New York, N. Y. Tubular stranded wire structure. 2,045,568; June 30.

Burdett, Horace H., assignor to Draper Corporation, Hopedale, Mass. Shuttle. 2,046,287; June 30.

Burgess, C. F., Laboratories, Inc. (See Spicer, Walter E., assignor.)

Burlein, Gustave, Huntington Park, Calif. Bracket. 2,045,751; June 30.

Burton, Everett T., Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Multiplex transmission system. 2,046,067; June 30.

Burton, Harry H., assignor to Slater Mills, Inc., Webster, Mass. Loom. 2,045,978; June 30.

Buschenfeldt, Karl W., Stoughton, Mass. Tourniquet. 2,045,750; June 30.

Bush, A. G. (See Criner, Harry J., assignor.)

Butterfield, Wendell. (See Lane, G. T., and Butterfield.)

Butterworth, Arthur B., Brooklyn, N. Y., assignor to Butterworth System, Inc. Freeing a container of asphaltic and oily materials. 2,045,752; June 30.

Butterworth System, Inc. (See Butterworth, Arthur B., assignor.)

Butterworth System Incorporated. (See Jett, George H., assignor.)

Campbell, Charles A., Watertown, N. Y., assignor to The New York Air Brake Company. Wasp excluder for air brakes. 2,046,058; June 30.

Campbell, Sumner E., Long Beach, Calif. Refining oil. 2,045,696; June 30.

Cannon Mills Company. (See Swink, H., and Douglass, assignors.)

Carbide and Chemicals Corporation. (See Ray, Arthur B., assignor.)

Carbonara, Victor E., Brooklyn, assignor to Chas. Cory Corporation, New York, N. Y. Dynamo-electric machine. 2,045,831; June 30.

Card, William C., Jr., Winthrop, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y. Sole roughing machine. 2,046,147; June 30.

Carlson, Bert G., Bellerose, assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Automatic level control for aircraft. 2,045,579; June 30.

Carner, Walter S., Goodwill, W. Va. Mine tool locker. 2,046,244; June 30.

Carr, Richard H., assignor to The Pure Oil Company, Chicago, Ill. Fluid motor. 2,045,945; June 30.

Carrier Engineering Corporation. (See Stacey, A. E., Jr., and Ernst, assignors.)

Carrington, Frank G., Anniston, Ala., assignor to Centrifugal Pipe Corporation, Jersey City, N. J Manufacture of cast metal pipes and like articles centrifugally. 2,045,753; June 30.

Carroll, Terry O., assignor of one-fourth to D. E. Dunbar, Lakeland, Fla. Artificial leg. 2,045,580; June 30.

Carruthers, Thomas F. (See Cox, H. L., and Carruthers.)

Carter, Herbert D., Winnipeg, Manitoba, Canada. Apparatus for producing hydrogen. 2,045,832; June 30.

Cartlidge, Frank, assignor to Goodman Manufacturing Company, Chicago, Ill. Loading machine. 2,046,016; June 30.

Casablancas, Fernando, Sabadell, Spain. Drawing mechanism for textile rovings. 2,045,697; June 30.

Casciani, Anthony. (See Wieger, Henry F., assignor.)

Case, Nelson P., Bayside, N. Y., assignor to Hazeltine Corporation, Jersey City, N. J. High frequency system. 2,045,569; June 30.

Cavender, John W., Placerville, Calif. Grade indicator. 2,045,631; June 30.

Celanese Corporation of America. (See Roberts, Samuel B., assignor.)

Celastic Corporation. (See Quinlivan, Quentin L., assignor.)

Cemco Engineering and Manufacturing Corporation. (See Webber, John D., assignor.)

Centrifugal Pipe Corporation. (See Carrington, Frank G., assignor.)

Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Cable clip. 2,046,247; June 30.

Chester, Allan E., Brooklyn, N. Y., assignor to Ferro Enamel Corporation, Cleveland, Ohio. Electrolytic pickling apparatus. 2,045,581; June 30.

Chicago Flexible Shaft Company. (See Mc Ardle, Michael W., assignor.)

Childs, Bliss G., Provo, Utah. Bullet. 2,045,833; June 30.

Christoffersen, Viggo, Boise, Idaho. Air conditioning device. 2,045,698; June 30.

Chronic, Clarence C., and C. B. Molter, assignors to Stover Manufacturing & Engine Co., Freeport, Ill. Windmill. 2,046,059; June 30.

Cincinnati Grinders Incorporated. (See Binns, George W., assignor.)

Cincinnati Grinders Incorporated. (See Vancil, E. D., and Haas, assignors.)

Cincinnati Milling Machine Co., The. (See Archea, Walter D., assignor.)

Cincinnati Milling Machine Co., The. (See Cone, Philip H., assignor.)

Claflin, Harry C., Marysville, and J. B. Arnold, St. Clair, Mich., assignors to The Beryllium Corporation, New York, N. Y. Manufacturing beryllium alloys. 2,046,148; June 30.

Clark, John R., Battery Park, Md. Mechanically simulating handmade brick. 2,046,245; June 30.

Clark, Walter G., assignor to Air Ice Research & Development Corp., Los Angeles, Calif. Art of refrigeration. 2,045,754; June 30.

Clarke, Robert B. F. F. (See Bunbury, H. M., Clarke, and Evans.)

Clarkson, Richard G. (See Downing, F. B., and Clarkson.)

Clay, George H., Kansas City, Mo. Quick-opening tank truck plug. 2,045,834; June 30.

Cleaveland, John B., East Orange, N. J. Waterproofing composition and method of waterproofing fabric. 2,046,305; June 30.

Clegg, Charles V., Dallas, Tex., assignor to The Texas Company, New York, N. Y. Display device. 2,045,897; June 30.

Clem, Stanley A., Santa Ana, Calif. Wood building construction. 2,046,246; June 30.

Clement, Walter J., New Hartford, assignor to Bossert Company, Inc., Utica, N. Y. Hammer mill with equalized separating means. 2,045,582; June 30.

Cleveland Automatic Machine Company, The. (See Rupple, Harry W., assignor.)

Cleveland Brass Manufacturing Company, The. (See Weightman, H. E., and Roach, assignors.)

Coanda, Henri, Clichy, France. Silencer for firearms, combustion engines, and the like. 2,046,017; June 30.

Coen, Joseph C., San Bernardino, Calif. Automatic speed changing device. 2,045,835; June 30.

Coffelt, Oscar T., Jackson, Mich., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, Titanium product and making same. 2,045,836; June 30.

Cohn & Rosenberger, Inc. (See Marcher, Royal, assignor.)

Cohn, Samuel, assignor to Samcoe Holding Corporation, New York, N. Y. Treating fabrics. 2,045,755; June 30.

Colby, Edward A., Maplewood, N. J., assignor to Baker & Company, Inc. Pertused catalyzer. 2,045,632; June 30.

Cole, Harry C., Philadelphia, Pa. Spraying machine. 2,046,149; June 30.

Commercial Solvents Corporation. (See Swallen Lloyd C., assignor.)

Compagnie Generale de Telegraphie Sans Fil. (See Ponte, Maurice, assignor.)

Compo Shoe Machinery Corporation. (See Card, William C., Jr., assignor.)

Cone, Philip H., assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio. Mechanism for keeping records. 2,045,756; June 30.

Conekin, Dawson, Philadelphia, Pa. Steam and hot water heating boiler. 2,046,248; June 30.

Consortium Fur Elektrochemische Industrie G. m. b. H. (See Mugdan, M., and Sixt, assignors.)

Constantin, Eusebe J. L. F., Paris, France, assignor to Fuller Company. Screw conveyer. 2,045,757; June 30.

Continental Can Company. (See Kronquest, Alfred L., assignor.)

Cook, La Vergne, Dayton, Ohio. Cowl fastener. 2,045,583; June 30.

Corell, Martin, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y. Aminopyrene-sulphonic acid and preparing them. 2,046,249; June 30.

Corning Glass Works. (See Day, Ralph K., assignor.)

Corning Glass Works. (See McCauley, George V., assignor.)

Cory, Chas., Corporation. (See Carbonara, Victor E., assignor.)

Cotanch, Earl E., Los Angeles, Calif., assignor to Automatic Rotary Transmission Co. (Automatic transmission. 2,045,584; June 30.

Cottrell, C. B., & Sons Company. (See Eckhard, William K., assignor.)

Coty, Thomas E., Watertown, N. Y. Valve bag and making the same. 2,045,585; June 30.

Court, Frank T., assignor to Deere & Company, Moline, Ill. Agricultural implement. 2,045,633; June 30.

Cox, Henry L., and T. F. Carruthers, South Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation. Hydroxy carboxylic acid esters. 2,046,150; June 30.

Crafts, Walter. (See Kinzel, A. B., and Crafts.)

Craik, James. (See Levesley, A. S., and Craik.)

Cram, Hervey G., Boston, Mass. Mounting of siphon pipes and the like. 2,045,634; June 30.

Cram, Ralph L. (See Minshall, R. J., and Cram.)

Cramer, Albert N:, assignor to A. B. Cramer, Toledo, Ohio. Process and machine for forming glass articles. 2,045,699; June 30.
Cramer, Alice B. (See Cramer, Albert N., assignor.)
Crawford, John W. C., Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited. Plastic and coating composition. 2,045,979; June 30.
Creber, William H., Los Angeles, Calif. Casement latching device. 2,045,837; June 30.
Cretney, Robert W., Sterlington, La., assignor to Thermatomic Carbon Company, Pittsburgh, Pa. Manometer. 2,045,635; June 30.
Criner, Harry J., assignor of one-half to A. G. Bush, Davenport, Iowa. Bread slicing machine. 2,045,838; June 30.
Crompton & Knowles Jacquard & Supply Company. (See Foster, Herbert V., assignor.)
Crompton & Knowles Loom Works. (See Payne, Oscar V., assignor.)
Crompton & Knowles Loom Works. (See Santon, Elliot A., assignor.)
Crosby, Ogden E. (See Wilson, A. M., and Crosby.)
Crossen, Robert W., Jr., Plainfield, assignor to Farrell Manufacturing Company, Joliet, Ill. Valve. 2,045,758; June 30.
Crowley, Joseph P., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Cutting machine. 2,045,586; June 30.
Crowley, Joseph P., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Edge grinding machine. 2,046,060; June 30.
Cullison, Benjamin F., Margate City, N. J., assignor to The Texas Company, New York, N. Y. Advertising display device. 2,045,898; June 30.
Cunningham, William E., Highland Park, Ill. Testing apparatus for automotive brakes. 2,046,018; June 30.
Curtin-Howe Corporation. (See Curtin, L. P., and Payne, assignors.)
Curtin, Leo P., Cranbury, and J. M. Payne, Carteret, N. J., assignors to Curtin-Howe Corporation, New York, N. Y. Coated metal. 2,046,061; June 30.
Cyclone Fence Company. (See Harter, Noah S., assignor.)
Czemba, Frank J., Duluth, Minn. Fence post. 2,046,250; June 30.
Dalpayrat, Henri F., assignor to Radio Patents Corporation, New York, N. Y. Radio receiving system. 2,045,700; June 30.
Daniel, James D., Linden, Tenn. Creasing and stretching device for trousers. 2,045,943; June 30.
Daniels, Abraham A., Fruitdale, S. Dak. Changeable window sash. 2,046,251; June 30.
Darden, Raymond M., Endicott, Wash. Combined harvesting and threshing machine. 2,045,839; June 30.
Darling, Roy L., assignor to Bond Electric Corporation, Jersey City, N. J. Circuit closer for electric hand lanterns. 2,045,636; June 30.
Davey, Walter F., Somerville, Mass. Shade. 2,045,840; June 30.
Davis, Eugene L., Long Beach, Calif., assignor to The Texas Company, New York, N. Y. Increasing production from wells. 2,045,899; June 30.
Davis, Frank P., Hileah, assignor of one-half to J. H. Walsh, Jacksonville, Fla. Muffler for aircraft. 2,046,252; June 30.
Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Shuttle tension. 2,046,288; June 30.
Davis, Herbert C., and I. A. Grabmeyer, Detroit, and A. G. Van Loozen, Dearborn, Mich., assignors to The McBee Company, Athens, Ohio. Book and binding strip therefor. 2,046,151; June 30.
Day, Ralph K., assignor to Corning Glass Works, Corning, N. Y. Differential pressure gauge. 2,045,701; June 30.
Dean, George H., Norwood, R. I. Structural column and bracket cap therefor. 2,046,152; June 30.
Dean, Walter C., Chevy Chase, Md. Boat davit. 2,045,587; June 30.
Deans, Frederick E. (See Bentley, P. A., Deans, Manger, and Wainwright.)
De Boer, Jan H., and M. C. Teves, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken. Phototube. 2,045,637; June 30.
De Boer, Rudolph F., Grand Rapids, Mich. Ash receiver. 2,046,107; June 30.
Deere & Company. (See Court, Frank T., assignor.)
De Forest, Lee, Los Angeles, Calif., assignor to American Television Laboratories, Inc. Apparatus for receiving and projecting televised images in synchronism with sound. 2,045,570; June 30.
De Groote, Melvin, St. Louis, assignor to Tretolite Company, Webster Groves, Mo. Increasing the productivity of wells. 2,045,759; June 30.
Delamere, Rudolf D. (See Rosenthal, M., Delamere, and Rutter.)
Demco Library Supplies, Inc. (See Jones, Wilbur L., assignor.)
Dempster Mill Manufacturing Company. (See Elliott, William, assignor.)
De Nagy, Bela, assignor of thirty eight and one-fourth per cent to N. M. Molnar, New York, and twenty two and one-half per cent to N. Bruckner, Astoria, N. Y. Polishing machine. 2,045,980; June 30.
Diescher, Alfred J., assignor of one-half to M. L. R. Diescher, Winfield, Kans. Method of and apparatus for controlling operation of a gas transportation line. 2,045,760; June 30.
Diescher, M. L. R. (See Diescher, Alfred J., assignor.)
Dicke, Oscar H., assignor to General Railway Signal Company, Rochester, N. Y. Interlocking system for railroads. 2,045,900; June 30.
Dillström, Torbjörn V. (See Hesselman, K. J. E., and Dillström.)
Dirscherl, Wilhelm, Heidelberg, Germany. Production of hormone compounds. 2,045,702; June 30.
Dominion Engineering Works Limited. (See Berlyn, Martin J., assignor.)
Domke, George C., Chicago, Ill. Mailable blotter. 2,045,944; June 30.
Dopyera, Rudolph, Los Angeles, Calif. Pick for stringed musical instruments. 2,045,571; June 30.
Dormoy, Etienne, assignor to Boeing Aircraft Company, Seattle, Wash. Assist movement of airplane control surfaces. 2,045,638; June 30.
Douglas, Fredric E., assignor to Draper Corporation, Hopedale, Mass. Loom temple. 2,046,289; June 30.
Douglas, James K. (See Wiedmann, E., and Douglas.)
Douglass, Paul W. (See Swink, H., and Douglass.)
Dow Chemical Company, The. (See Hoy, J. E., and Brown, assignors.)
Dow, Richard F., assignor to The Whitney Chain & Mfg. Company, Hartford, Conn. Overload safety device. 2,045,572; June 30.
Dowling, Philip H., Forest Hills, assignor to The Union Switch & Signal Company, Swissvale, Pa. Electrical rectifier. 2,046,153; June 30.
Downing, Frederick B., Carneys Point, N. J., and R. G. Clarkson, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Production of cellulose-coated pigment. 2,046,263; June 30.
Draper Corporation. (See Brown, Carl D., assignor.)
Draper Corporation. (See Burdett, Horace H., assignor.)
Draper Corporation. (See Davis, Harry A., assignor.)
Draper Corporation. (See Douglas, Fredric E., assignor.)
Draper Corporation. (See Jackson, Joseph B., assignor.)
Draper Corporation. (See Waterhouse, Harold W., assignor.)
Drew, Harold, Luton, England, assignor to General Motors Corporation, Detroit, Mich. Windshield wiper. 2,046,108; June 30.
Dreyfus, Henry, London, England. Production of acetaldehyde. 2,045,841; June 30.
Dreyfus, Henry, London, England. Hydration of olefines. 2,045,842; June 30.
Dreyfus, Henry, London, England. Manufacture of oxygenated organic compounds. 2,045,843; June 30.
Du Bois, Claude W., Seattle, Wash. Fish lure. 2,045,703; June 30.
Dunbar, D. E. (See Carroll, Terry O., assignor.)
Duncan Electric Mfg. Co. (See Holmes, Frederick, assignor.)
Dunne, John J., and N. H. McCleary, Chicago, Ill. Botary mixer. 2,046,109; June 30.
Du Pont, E. I., de Nemours & Company. (See Amend, William J., assignor.)
Du Pont, E. I., de Nemours & Company. (See Arnold, Herrick R., assignor.)
Du Pont, E. I., de Nemours & Company. (See Booge, James E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Coffelt, Oscar T., assignor.)
Du Pont, E. I., de Nemours & Company. (See Downing, F. B., and Clarkson, assignors.)
Du Pont, E. I., de Nemours & Company. (See Flint, Robert B., assignor.)
Du Pont, E. I., de Nemours & Company. (See Graves, George DeW., assignor.)
Du Pont, E. I., de Nemours & Company. (See Handforth, S. L., and Tilley, assignors.)
Du Pont, E. I., de Nemours & Company. (See Hunt, J. K., and Latham, assignors.)
Du Pont, E. I., de Nemours & Company. (See Johnson, Frank W., assignor.)
Du Pont Rayon Company. (See Harrison, Paul E., assignor.)
Du Pont Rayon Company. (See Mitchell, James W., assignor.)
Du Pont Rayon Company. (See Pierrat, P., and Picard, assignors.)
Du Pont Viscoloid Company. (See Alfthan, Johannes, assignor.)
Du Pont Viscoloid Company. (See Loder, Donald J., assignor.)
Durand, Fred A., Woodbury, Ga. Sizing and grading machine. 2,045,573; June 30.
Dvornikoff, Michael N., assignor to Monsanto Chemical Company, St. Louis, Mo. Manufacture of pyramidone. 2,045,588; June 30.
Eastern Manufacturing Company. (See MacFarlane, Charles A., assignor.)
Eastman Kodak Company. (See Lane, G. T., and Butterfield, assignors.)
Eckert, Wilhelm, and H. Sieber, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Vat dyestuffs derived from acenanthrenequinone and preparing them. 2,046,254; June 30.
Eckhard, William K., assignor to C. B. Cottrell & Sons Company, Westerly, R. I. Change form cylinder mounting for rotary printing presses. 2,045,981; June 30.
Eclipse Aviation Corporation. (See Heywood, Charles F., assignor.)

Economy Forms Corporation. (See Jennings, William A., assignor.)
Edwards, Harvey G., assignor to American Can Company, New York, N. Y. Liquid dispenser. 2,045,589; June 30.
Eek, Albin C. (See Hall, A. E. C., Eek, and Huhn.)
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Vehicle wheel. 2,045,901; June 30.
Eksergian, Carolus L., Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa. Composite artillery wheel. 2,045,902; June 30.
Elian, Arthur J., assignor to Vacuum Process Mineral Extracting Company, Mexico, D. F., Mexico. Settling and clarifying liquids, semiliquids, and pulps containing finely divided particles of matter. 2,046,110; June 30.
Elliott Company. (See Elliott, William S., assignor.)
Elliott, Harold F., Palo Alto, Calif. Electron tube and circuit therefor. 2,045,982; June 30.
Elliott, William, assignor to Dempster Mill Manufacturing Company, Beatrice, Nebr. Cleaning and polishing pad for disks. 2,045,762; June 30.
Elliott, William S., assignor to Elliott Company, Pittsburgh, Pa. Tube cleaner. 2,045,761; June 30.
Ely, Edward W., and R. O. Helgeby, Flint, assignor to General Motors Corporation, Detroit, Mich. Speedometer demagnetizer. 2,046,111; June 30.
Emery, Olin O., Jackson, Wyo. Battery terminal. 2,045,590; June 30.
England, Newton J. (See Pearson, H. B., England, and Madden.)
Eppler, Andrew, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Welt tempering machine. 2,046,062; June 30.
Ericsson, L. M., Telefonaktiebolaget. (See Alexandersson, Harald V., assignor.)
Ernst, Charles E. (See Stacey, A. E., Jr., and Ernst.)
Euclid Road Machinery Company, The. (See Armington, Arthur P., assignor.)
Eulenstein, Fritz, Cologne-on-the-Rhine, and A. Krus, Sturzelberg uber Neuss, assignors to "Sachtleben" Aktiengesellschaft für Bergbau und Chemische Industrie, Cologne-on-the-Rhine, Germany. Production of molten iron or steel by the direct method. 2,045,639; June 30.
Evans, William J. R. (See Bunbury, H. M., Clarke, and Evans.)
Everett, Charles E., assignor to The Massey-Harris Company, Racine, Wis. Hay loader. 2,045,763; June 30.
Everston, Joseph H., Milwaukee, Wis. Heel construction for cushion shoes. 2,045,844; June 30.
Faessler, J., Mfg. Co., The. (See Maupin, Graves R., assignor.)
Fairbank, Murry N., Suffolk County, N. Y. Vibration measuring and indicating device. 2,046,154; June 30.
Falla, Fernando, Millburn Township, Essex County, N. J. Preparing green coffee for roasting. 2,045,591; June 30.
Fantz, Fred C., Webster Groves, Mo. Return bend. 2,046,155; June 30.
Fantz, Fred C., Webster Groves, Mo. Return bend for oil stills. 2,046,156; June 30.
Farrell Manufacturing Company. (See Crossen, Robert W., Jr., assignor.)
Felder, Dudley H. (See Gardner, E. W., Roden, and Felder.)
Felton, Augustus C., Jr., Macon, Ga. Apparatus for waste material disposal. 2,046,112; June 30.
Ferree, Clarence E. and G. R., Baltimore, Md. Ophthalmic instrument. 2,045,704; June 30.
Ferree, Gertrude R. (See Ferree, Clarence E. and G. R.)
Ferrigno, John, Meriden, Conn. Toy vehicle. 2,045,983; June 30.
Ferris, Seymour W., Aldan, assignor to The Atlantic Refining Company, Philadelphia, Pa. Treatment of hydrocarbon oils. 2,046,063; June 30.
Ferris, Seymour W., Aldan, assignor to The Atlantic Refining Company, Philadelphia, Pa. Hydrocarbon oil treatment. 2,046,064; June 30.
Ferro Enamel Corporation. (See Chester, Allan E., assignor.)
Ferro Engineering Company, The. (See Urmetz, Walter W., assignor.)
Fiberloid Corporation, The. (See Webber, C. S., and Wilson, assignors.)
Finn, Sidney J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for vulcanizing rubber soles on shoes. 2,045,705; June 30.
Fisher, Elmer F., Auburn, assignor of one-half to J. G. Velno, Worcester, Mass. Valve operating device. 2,046,255; June 30.
Fisher, Harold W., Elizabeth, N. J., assignor to Standard-I. G. Company. Pyrometer well or the like. 2,045,764; June 30.
Fisher, Horace H., Salt Lake City, Utah. Method and apparatus for liberating air from receptacles containing carbonated beverages. 2,046,256; June 30.
Fitch, Louis H., Jr., assignor to Phillips Petroleum Company, Bartlesville, Okla. Resinous products. 2,045,592; June 30.
Fitton, Cyrus J. (See Yingling, Frank B., assignor.)
Flammiger, Wilhelm, Berlin-Schmargendorf, and M. Bohde, Berlin, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt near Berlin, Germany. Sealing in lead-in wires. 2,046,019; June 30.
Flick, Melvin, Stillwater, Okla. Pitching horseshoe. 2,045,845; June 30.
Flint, Robert B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Chemical process. 2,046,257; June 30.
Florman, Irving, New York, N. Y. Watch. 2,046,065; June 30.
Florman, Irving, New York, N. Y. Cigarette lighter. 2,046,066; June 30.
Flory, Leslie E., Oaklyn, N. J., assignor to Radio Corporation of America. Photoelectric device. 2,045,984; June 30.
Fogal, Anna E., executrix. (See Fogal, John E. W., as-Quincy, Ill., assignor to A. E. Fogal. Door operator. 2,045,765; June 30.
Fogel, Anna E., executrix. (See Fogal, John E. W., assignor.)
Forgrove Machinery Company Limited, The. (See Grover, Frederick, assignor.)
Fortin, Paul B., Baldwin, assignor to Nu-Myst Co., New York, N. Y. Vaporizing device. 2,045,903; June 30.
Foster, Franklin J. (See Ruskin, David, assignor.)
Foster, Herbert V., Providence, assignor to Crompton & Knowles Jacquard & Supply Company, Pawtucket, R. I. Pattern card cylinder for Jacquard looms. 2,045,946; June 30.
Foster, Howard M., St. Louis, Mo., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Latch. 2,045,846; June 30.
Fotsch, William G., assignor to Reliable Electric Co., Chicago, Ill. Wire clamp. 2,045,847; June 30.
Frankland, Edwin, Detroit, Mich., assignor to Bendix Brake Company, South Bend, Ind. Vehicle brake mechanism. 2,045,593; June 30.
Franks, Russell. (See Becket, F. M., and Franks.)
Frantz, Walter A., Cleveland Heights, and J. J. McCabe, assignors to The Apex Electrical Manufacturing Company, Cleveland, Ohio. Clothes washer mechanism. 2,046,258; June 30.
Franz, Erwin E., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for electrical uses. 2,045,985; June 30.
Fredericks, George E., Somerton, Philadelphia, assignor to Leeds & Northrup Company, Philadelphia, Pa. Thermal conductivity cell. 2,045,640; June 30.
Frey, Charles N. (See Gore, H. C., Landis, and Frey.)
Frolich, Per K., and P. J. Wiesevich, Elizabeth, N. J., assignors to Standard Oil Development Company. Mercaptan conversion. 2,045,766; June 30.
Fuller Company. (See Constantin, Eusebe J. L. F., assignor.)
Funk, Frederick G., Chicago, Ill. Egg packing machine. 2,045,767; June 30.
Funkhouser Company, The. (See Nichols, Ernest H., assignor.)
Furnivsl, John M., Purley, and W. F. Bubb, Mitcham, England, assignors to Radio Corporation of America. Radio beacon. 2,045,904; June 30.
Futran, Simon, Berlin, Germany. Locking device for safety purposes. 2,045,905; June 30.
Fykse, Mitchell L., assignor to Bucyrus-Erie Company, South Milwaukee, Wis. Brake and clutch band. 2,046,306; June 30.
Gaines, Earl F., and W. C. Lippert, Milwaukee, Wis. Window. 2,046,259; June 30.
Gardner, Earl W., H. Roden, and D. H. Felder, Port Neches, Tex., assignors to The Texas Company, New York, N. Y. Coating composition. 2,045,906; June 30.
Gardner, Willis W., Meriden, Conn. Gas meter. 2,045,641; June 30.
Garran, John O., Brooklyn, and F. W. Young, Long Island City, assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y. Electric discharge device. 2,046,020; June 30.
Gaspar, Béla, Brussels, Belgium. Producing colored photographic materials. 2,046,067; June 30.
Gassen, Josef, assignor to Schloemann Aktiengesellschaft, Dusseldorf, Germany. Housing for rolling mills. 2,045,768; June 30.
Gebauer Chemical Company, The. (See Benner, James J., assignor.)
Geer, Harrie S., Watervliet, N. Y. Garment hanger. 2,045,848; June 30.
Geffcken, Heinrich H., and H. R. Richter, Leipzig, Germany, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electrical control circuit. 2,045,769; June 30.
General Aniline Works, Inc. (See Corell, Martin, assignor.)
General Aniline Works, Inc. (See Eckert, W., and Sieber, assignors.)
General Aniline Works, Inc. (See Zerweck, W., and Honold, assignors.)
General Chemical Company. (See Jenks, Leon E., assignor.)
General Electric Company. (See Abbott, Charles C., assignor.)
General Electric Company. (See Guest, Arthur L., assignor.)

General Fire Extinguisher Company. (See Knight, Ira W., assignor.)
General Motors Corporation. (See Drew, Harold, assignor.)
General Motors Corporation. (See Ely, E. W., and Helgeby, assignors.)
General Motors Corporation. (See Helgeby, Ralph O., assignor.)
General Motors Corporation. (See Lauer, Carleton J., assignor.)
General Motors Corporation. (See Summers, Otto M., assignor.)
General Motors Corporation. (See Truxell, Clyde W., Jr., assignor.)
General Motors Corporation. (See Tweedale, Ralph L., assignor.)
General Motors Corporation. (See White, John W., assignor.)
General Outdoor Advertising Co. (See Miller, William W., assignor.)
General Plate Company. (See Saul, Waldo A., assignor.)
General Plate Company. (See Spencer, John A., assignor.)
General Railway Signal Company. (See Brown, Ned C. L., assignor.)
General Railway Signal Company. (See Dicke, Oscar H., assignor.)
General Railway Signal Company. (See Hailes, William D., assignor.)
General Railway Signal Company. (See Judge, Thomas J., assignor.)
General Railway Signal Company. (See Preston, Nell D., assignor.)
General Railway Signal Company. (See Reichard, Wade H., assignor.)
General Railway Signal Company. (See Taylor, Herbert B., assignor.)
General Railway Signal Company. (See Wight, Sedgwick N., assignor.)
Genter, Albert L., Baltimore, Md. Paper structure. 2,045,849; June 30.
Geometric Tool Company, The. (See Breitenstein, Albert F., assignor.)
Gerdts, Gustav F., Bremen, Germany. Fluid flow indicator for steam traps. 2,046,113; June 30.
German, Freddie H., Hawthorne, assignor to Germer Textile Patents, Inc., Paterson, N. J. Yarn tension and moisture control means for knitting machines. 2,046,293; June 30.
Germer Textile Patents, Inc. (See German, Freddie H., assignor.)
Gerson, Kurt A., London, England. Breathing apparatus. 2,045,907; June 30.
Giara, Emil J., Corbin, Ky. Governor. 2,045,706; June 30.
Gibbs, Leon M., Birmingham, Ala., assignor to Teleswitch Corporation. Track instrument. 2,046,157; June 30.
Gilbert, William N. (See Von Pein, E. J., and Gilbert.)
Goerdes, Frederick W., assignor to The J. E. Mergott Company, Newark, N. J. Bag frame. 2,045,642; June 30.
Golden, Abraham, Chicago, Ill. Picture frame and making the same. 2,045,770; June 30.
Goodall, Howard W., Aldan, Pa. Expansion ring hose coupling. 2,046,114; June 30.
Goodall Worsted Company. (See Holdsworth, Clifford, assignor.)
Goodman Manufacturing Company. (See Cartlidge, Frank, assignor.)
Goodrich Electric Company. (See Saaf, Dirk G., assignor.)
Goosmann, Justus C., Chicago, Ill., assignor, by mesne assignments, to Adico Development Corporation. Apparatus for producing solid carbon dioxide. 2,046,260; June 30.
Gore, Herbert C., Scarsdale, and Q. Landis, New York, and C. N. Frey, Scarsdale, assignors to Standard Brands Incorporated, New York, N. Y. Preparing coffee. 2,046,158; June 30.
Gottlieb, Louis, Kansas City, Mo. Auxiliary tread for pneumatic tires. 2,046,159; June 30.
Gottlieb, Oscar F., Lake Bluff, assignor to Oakes Products Corporation, North Chicago, Ill. Furnace construction. 2,046,115; June 30.
Gould, Edward R., Philadelphia, Pa. Extractor apparatus. 2,045,986; June 30.
Grabmeyer, Albert. (See Davis, H. C., Grabmeyer, and Van Loozen.)
Grafe, Viktor, Vienna, Austria. Improving and refining victuals and table-luxuries containing cellulose. 2,045,850; June 30.
Graham, George H., assignor to Arenda Corporation, Chicago, Ill. Egg tray. 2,045,771; June 30.
Granberg Meter Corporation. (See Brubaker, W. S., and Saarinen, assignors.)
Graves, George DeW., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Hydrogenated rubber and producing same. 2,046,160; June 30.
Gray, Arthur W., East Orange, N. J. Device for measuring materials. 2,046,068; June 30.
Gray, Clarence H., et al. (See Wert, Charles M., assignor.)
Green, Clarence J., assignor to Norton Company, Worcester, Mass. Grinding apparatus. 2,046,261; June 30.
Green, Ernest, Penrose, Long Stomps, Chelmsford, England, assignor to Radio Corporation of America. Directional aerial system. 2,045,987; June 30.
Greenbaum, Frederick R., Philadelphia, Pa. Method and resulting compound from admixing sodium morrhuate and quinine solutions. 2,046,116; June 30.
Greissinger, Georg, Valbingen, Germany. Knee joint for artificial legs. 2,046,069; June 30.
Gross, Ernst. (See Ruppe, Hugo, assignor.)
Grover, Frederick, assignor to The Forgrove Machinery Company Limited, Leeds, England. Machine for wrapping sweets and the like. 2,046,262; June 30.
Grundstein, Herman L., Bronx, N. Y. Skill radio and recording manipulator. 2,045,947; June 30.
Guest, Arthur L., Wrexham, England, assignor to General Electric Company. Arc welding apparatus. 2,046,117; June 30.
Gulizia, Pietro, Chicago, Ill. Pen. 2,046,161; June 30.
Gurney, Albert J., assignor to The American Mine Door Company, Canton, Ohio. Tendered steak and tendering the same. 2,046,118; June 30.
Haas, Frederick S. (See Vancil, E. D., and Haas.)
Haas, Otto R., North Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 2,045,643; June 30.
Haas, Otto R., North Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 2,045,644; June 30.
Haas, Otto R., North Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 2,046,070; June 30.
Habel, Rudolph E., Bronx, N. Y. Switch or outlet box mounting. 2,045,594; June 30.
Hailes, William D., Brighton, assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,045,908; June 30.
Hale, Lloyd. (See Pennock, E. M., and Hale.)
Hall, Alfred E. C., Albin C. Eek, Webster Groves, and E. F. Huhn, Cape Girardeau, Mo., assignors to United Shoe Machinery Corporation, Paterson, N. J. Method of and machine for use in manufacturing boots and shoes. 2,045,595; June 30.
Hamilton, Sylvester J., assignor to Richmond Turbine Pump Co. Inc., Richmond, Ind. Pump. 2,045,851; June 30.
Hammell, Reeve H. (See Houdry, E. J., and Hammell.)
Hammell, Reeve H., Oaklyn Manor, N. J., assignor to Houdry Process Corporation, Dover, Del. Reaction apparatus and assembly of same. 2,045,596; June 30.
Hammersley, Wilbur J., Cleveland, Ohio. Roofing construction. 2,045,707; June 30.
Hampton, Wade B. (See Audain, Raoul, assignor.)
Handforth, Stanley L., and J. N. Tilley, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing concentrated nitric acid. 2,046,162; June 30.
Handwerk, Otto T. (See Spitzglass, A. F., and Handwerk.)
Hansen, Emil C., Media, Pa. Skim boat. 2,045,645; June 30.
Haralson, Cull C., Olney, Tex., assignor to The Texas Company, New York, N. Y. Automatic shut-off valve for tanks. 2,045,909; June 30.
Harding, Charles K., deceased, Chicago, Ill., M. T. Harding, administratrix. Light weight concrete and ceramic aggregate therefor. 2,046,071; June 30.
Harding, Mabel T., administratrix. (See Harding, Charles K.)
Harding, William E., Indianapolis, Ind. Universal telephone repeater. 2,046,119; June 30.
Hardison, Betty, administratrix. (See Hardison, Charles J.)
Hardison, Charles J., deceased, St. Petersburg, by B. Hardison, administratrix, assignor of fifty-one per cent to M. D. Moody, Jacksonville, Fla. Thermal switch. 2,045,948; June 30.
Harnett, Daniel E., Tuckahoe, N. Y., assignor to Hazeltine Corporation. High frequency coupling system. 2,045,910; June 30.
Harrington, Edward Le R., assignor to Blaw-Knox Company, Pittsburgh, Pa. Apparatus for depositing material under water. 2,046,120; June 30.
Harris, Henry H., Champaign, Ill. Link belt. 2,045,646; June 30.
Harrison, Paul E., Dover, N. H., assignor to Du Pont Rayon Company, New York, N. Y. Process and apparatus for production of artificial thread. 2,045,708; June 30.
Harter, Noah S., assignor to Cyclone Fence Company, Waukegan, Ill. Wire retaining spool. 2,046,290; June 30.
Harter, Noah S., assignor to Cyclone Fence Company, Waukegan, Ill. Tension control for wire weaving machines. 2,046,291; June 30.
Hartwell, Jesse J., Hutchinson, Kans. Material feeder. 2,045,709; June 30.
Hasse, John N., St. Peters, South Australia, Australia. Extinguishing oil well fires. 2,045,772; June 30.
Hatta, Kiyonobu, Sakyoku, Kyoto, Japan. Preparing meat and fish extracts. 2,045,949; June 30.
Hatzig, Hans. (See Müller, R., Hatzig, and Rabald.)
Haug, Thaddeus L. E., Berkeley, Calif. Painting shield. 2,045,597; June 30.
Havey, Joseph P., New York, N. Y., assignor to The Babcock & Wilcox Tube Company, West Mayfield, Pa. Heating furnace. 2,045,773; June 30.
Haviland, Arnold. (See Kleekamp, George H., assignor.)

Hawaiian Pineapple Company. (See Hoyt, S. T., and Botley, assignors.)
Hayward, Ralph A., assignor to Kalamazoo Vegetable Parchment Company, Parchment, Mich. Wrapper and method of making. 2,045,852; June 30.
Haywood, Fred H., Cleveland, Ohio. Barrel agitator. 2,045,710; June 30.
Hazel-Atlas Glass Company. (See Huntsman, Bert J., assignor.)
Hazel-Atlas Glass Company. (See Schwab, J. C. E., and Wheeler, assignors.)
Hazel-Atlas Glass Co. (See Strider, Isaac H., assignor.)
Hazeltine Corporation. (See Case, Nelson P., assignor.)
Hazeltine Corporation. (See Harnett, Daniel E., assignor.)
Heinitz, Woldemar, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany. Selecting device. 2,046,072; June 30.
Heinse, Paul. (See White, P. W., and Heinse.)
Helgeby, Ralph O. (See Ely, E. W., and Helgeby.)
Helgeby, Ralph O., Flint, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Speedometer. 2,046,163; June 30.
Helms, Harry W., Detroit, Mich., assignor to Highway Trailer Company, Edgerton, Wis. Hoist for semitrailers. 2,045,647; June 30.
Henry, Thomas J., East Orange, and J. Hirmann, Hillside, N. J., asignors, by mesne assignments, to Radio Corporation of America, New York, N. Y. Metal rectifier. 2,045,648; June 30.
Herculea Powder Company. (See Ott, Emil, assignor.)
Herkner, Peter, Shaker Heights, Ohio. Handle grip. 2,046,164; June 30.
Hesselman, Knut J. E., Saltsjo-Storangen, Sweden, assignor to Hesselman Motor Corporation, Ltd., London, England. Internal combustion engine. 2,046,263; June 30.
Hesselman, Knut J. E., Saltsjo-Storangen, and T. V. Dillström, Stockholm, Sweden, assignors to Hesselman Motor Corporation Ltd., London, England. Internal combustion engine. 2,046,264; June 30.
Hesselman Motor Corporation. (See Hesselman, Knut J. E., assignor.)
Hesselman Motor Corporation Ltd. (See Hesselman, K. J. E., and Dillström, assignors.)
Hewetson, Joseph H., Cincinnati, Ohio, assignor to J. H. Hewetson Company. Apparatus for regenerating zeolite beds. 2,046,265; June 30.
Hewetson, J. H., Company. (See Hewetson, Joseph H., assignor.)
Heywood, Charles F., Detroit, Mich., assignor, by mesne assignments to Eclipse Aviation Corporation, East Orange, N. J. Starting device for internal combustion engines. 2,046,073; June 30.
Heywood, Charles F., Detroit, Mich., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J. Air and fuel chamber for engine starters. 2,046,074; June 30.
Hiering, William C., Millburn Township, Essex County, assignor to J. E. Mergott Company, Newark, N. J. Handbag. 2,045,649; June 30.
Hiering, William C., Millburn Township, Essex County, assignor to J. E. Mergott Company, Newark, N. J. Bag frame. 2,045,650; June 30.
Higham, Harry, Maplewood Township, Essex County, assignor to Frank Krements Company, Newark, N. J. Eyeglasses. 2,046,021; June 30.
Highway Trailer Company. (See Helms, Harry W., assignor.)
Hill, Rowland, Manchester, England, assignor to Imperial Chemical Industries Limited. Polymerization product and molding same. 2,045,651; June 30.
Hirmann, Julius. (See Henry, T. J., and Hirmann.)
Hirschy, Herman C., Long Beach, Calif. Fountain pen. 2,045,774; June 30.
Hirtz, Joseph A., Sr., assignor of one-half to E. J. Smith, Sr., Mount Oliver, Pa. Multiple tool woodworking machine. 2,045,853; June 30.
Hodgman, Frederick S., Glen Rock, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y. Hand electric steering device for ships. 2,045,775; June 30.
Hoffman, Walter F., assignor to The Northwest Paper Company, Cloquet, Minn. Treating coffee beans. 2,045,854; June 30.
Hofmann, Hugo, Johnson City, Tenn., assignor to American Bemberg Corporation, New York, N. Y. Regulation of precipitant in production of artificial thread. 2,045,598; June 30.
Hogue, Henry J., assignor of one-third to C. L. Wasmer, and one-third to J. C. Wasmer, Lakewood, Ohio. Apparatus for making nuts. 2,046,075; June 30.
Holdsworth, Clifford, Springvale, assignor to Goodall Worsted Company, Sanford, Maine. Carding and sliver forming mechanism for mixed fibers. 2,045,911; June 30.
Hollingshed, R. M., Corporation. (See Bagley, Robert M., assignor.)
Holmes, Frederick, assignor to Duncan Electric Mfg. Co., LaFayette, Ind. Electric meter. 2,046,307; June 30.
Holmes, Frederick J., assignor to Nu-Way Engineering Corporation, Detroit, Mich. Internal combustion engine. 2,045,599; June 30.
Holt, Laurence B., Laconia, N. H., assignor to Scott & Williams, Incorporated, New York, N. Y. Making knitted fabrics. 2,045,776; June 30.
Honold, Ernst. (See Zerweck, W., and Honold.)
Hood Rubber Company. (See MacDonald, Frank J., assignor.)
Hookless Fastener Company. (See Sundback, Gideon, assignor.)
Hooper, Lester B., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Work supporting device. 2,045,711; June 30.
Hopkins, Arthur G., Maspeth, N. Y., assignor to National Can Company. Spool cover. 2,045,652; June 30.
Hopp, Leo, New York, N. Y. Shelf molding. 2,046,121; June 30.
Horn, Charles L. (See Reed, Cortes F., assignor.)
Hornquist, Frank, Bradford, Pa. Adjustable guard railing for children's sleds or wagons. 2,045,712; June 30.
Hottel, Louis W., Los Angeles, Calif., assignor to The Richardson Company, Lockland, Cincinnati, Ohio. Battery box and making the same. 2,045,950; June 30.
Houdry, Eugene J., Paris, France, and R. H. Hammell, Oaklyn Manor, N. J., assignors to Houdry Process Corporation, Dover, Del. Apparatus for contact masses. 2,045,600; June 30.
Houdry Process Corporation. (See Hammell, Reeve H., assignor.)
Houdry Process Corporation. (See Houdry, E. J., and Hammell, assignors.)
Hovey, William L., Flint, Mich. Can. 2,045,855; June 30.
Howarth, Frank A., Laurelton, N. Y. Tip for cigarettes. 2,045,601; June 30.
Howison, Robert J., Philadelphia, Pa., assignor to The Whitney Chain & Mfg. Company, Hartford, Conn. Conveyer chain. 2,045,912; June 30.
Hoy, John E., and L. Brown, assignors to The Dow Chemical Company, Midland, Mich. Casting light metal. 2,045,918; June 30.
Hoyt, Leroy W., Stamford, Conn. Humidifier. 2,045,653; June 30.
Hoyt, Simes T., and R. M. Botley, assignors to Hawaiian Pineapple Company, Limited, Honolulu, Hawaii. Extracting juice from pineapple meat. 2,045,856; June 30.
Hubbell, Daniel D., Columbus, Ohio, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Multifocal ophthalmic lens blank and lens and making the same. 2,045,654; June 30.
Hughes, Louis T., Bronx, N. Y. Ink eradicator attachment for fountain pens. 2,046,022; June 30.
Huhn, Edgar F. (See Hall, A. E. C., Eek, and Huhn.)
Huhn, Gustav, Berlin-Tempelhof, Germany. Valve. 2,046,266; June 30.
Hull, Harry F., Cherokee, Iowa. Hydraulic transmission. 2,045,777; June 30.
Hunt, James K., and G. H. Latham, assignors to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose derivative compositions. 2,046,165; June 30.
Hunt, Nathan C., Salem, Ohio. Buffing and polishing wheel. 2,046,122; June 30.
Hunter, Anne, nee Schuber, Berlin, Germany. Manicure appliance. 2,046,002; June 30.
Huntley, Wade H., and L. B. Medlin, Monroe, N. C. Machine for removingtread from tire casings. 2,045,778; June 30.
Hunter, Gus, Newport, N. C. Lawn mower. 2,045,857; June 30.
Huntsman, Bert J., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Apparatus for manufacturing metal closures. 2,045,602; June 30.
Hyland, John L., New York, N. Y. Lifeboat launching apparatus. 2,045,604; June 30.
Hyland, John L., New York, N. Y. Lifeboat launching apparatus. 2,045,604; June 30.
I. G. Farbenindustrie Aktiengesellschaft. (See Baehr, Hans, assignor.)
I. G. Farbenindustrie Aktiengesellschaft. (See Tschunkur, E., and Köbler, assignors.)
Ikeda, Banji, Torrance, Calif. Smoker's pipe. 2,045,779; June 30.
Ikeda, Miyokichi, Okubo, Yodobashiku, Tokyo, Japan. Water tube boiler having steam superheater interchangeable to feed preheater. 2,045,914; June 30.
Imperial Chemical Industries Limited. (See Bunbury, H. M., Clarke, and Evans, assignors.)
Imperial Chemical Industries Limited. (See Crawford, John W. C., assignor.)
Imperial Chemical Industries Limited. (See Hill, Rowland, assignor.)
Imperial Chemical Industries Limited. (See Levesley, A. S., and Craik, assignors.)
Imperial Chemical Industries Limited. (See Taylor, James, assignor.)
Ingersoll-Rand Company. (See Smith, William A., Sr., assignor.)
International Business Machines Corporation. (See Bryce, James W., assignor.)
International Business Machines Corporation. (See Little, James A., assignor.)
International Business Machines Corporation. (See Mills, Albert W., assignor.)
International Business Machines Corporation. (See Rast, Frederick Q., assignor.)
International Business Machines Corporation. (See Reppert, Richard V., assignor.)

International Business Machines Corporation. (See Scharr, Walter P., assignor.)
International Business Machines Corporation. (See Sprecker, Alfred L., assignor.)
International Business Machines Corporation. (See von Pein, E. J., and Gilbert, assignors.)
Intertype Corporation. (See Klingberg; E. G., and Anderson, assignors.)
Jackson, Joseph B., assignor to Draper Corporation, Hopedale, Mass. Loom shuttle box. 2,046,202; June 30.
Jacobson, Conrad C., Glen Ridge, N. J., assignor to John Robertson Co., Inc., Brooklyn, N. Y. Apparatus for extruding metals. 2,045,655; June 30.
Jasperson, F. K. (See Beckett, William A., assignor.)
Jeffrey Manufacturing Company, The. (See Armstrong, Walter J., assignor.)
Jenkins, James I., Charleston, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Cutting machine. 2,046,076; June 30.
Jenks, Leon F., Jackson Heights, assignor to General Chemical Company, New York, N. Y. Vanadium catalyst. 2,046,166; June 30.
Jennings, William A., assignor to Economy Forms Corporation, Des Moines, Iowa. Mold form for circular concrete walls. 2,046,123; June 30.
Jepsen, Hans J., Hellerup by Copenhagen and K. C. Nielsen, Copenhagen, Denmark. Savings calendar. 2,046,167; June 30.
Jett, George H., Brooklyn, N. Y., assignor to Butterworth System Incorporated. Pressure vacuum valve. 2,045,780; June 30.
Jobst, Gunther, and H. Rothe, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germony. Electron tube. 2,045,856; June 30.
Johnson, Bror A. E., Alsten, assignor to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Stockhom, Sweden. Package. 2,046,077; June 30.
Johnson, Frank W., Pennsgrove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Pigments. 2,046,267; June 30.
Johnson, Gustaf A., New Bedford, Mass. Lamp socket. 2,045,915; June 30.
Johnson, Sheldon K. (See Walker, Joseph B., assignor.)
Jones, Wilbur L., Yonkers, N. Y., assignor to Demco Library Supplies, Inc., Madison, Wis. Adhesive and manufacture thereof. 2,045,988; June 30.
Judge, Thomas J., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,045,713; June 30.
Judge, Thomas J., assignor to General Railway Signal Compnay, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,045,951; June 30.
Jung, Erland V., Jonkoping, Sweden. Fuel-injection compression-ignition engine. 2,045,858; June 30.
Kahlisch, Gustav. (See Reiners, W., and Kahlisch.)
Kalamazoo Vegetable Parchment Company. (See Hayward, Ralph A., assignor.)
Karmazin Engineering Company. (See Karmazin, John, assignor.)
Karmazin, John, Huntington, Ind., assignor to Karmazin Engineering Company. Heat exchange apparatus. 2,045,657; June 30.
Kasarjian, Armen A., Philadelphia, Pa., assignor to Mosler Ignition Corporation, New York, N. Y. Spark plug. 2,045,781; June 30.
Kauffmann, Frederick C., Brookline, Mass., assignor to Stellar Corporation. Mouthpiece. 2,045,658; June 30.
Kehm, Horace S. (See Newton, Courtland G., assignor.)
Keler, Henry F., Bridgeport, Conn. Ophthalmic mounting. 2,046,268; June 30.
Kesel, William P., Valley Stream, N. Y. Food product and making the same. 2,045,782; June 30.
Kielman, Otto, Waukegan, Ill. Fruit jar wrench. 2,046,269; June 30.
King, John M., Dover, N. J. Guard for flare suspension means. 2,045,605; June 30.
Kinzel, Augustus B., Douglaston, and W. Crafts, Niagara Falls, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation. Machine element. 2,046,168; June 30.
Kleekamp, George H., Defiance, Ohio, assignor to A. Haviland. Universal pipe connecter. 2,046,124; June 30.
Klein, Albert S., St. Louis, Mo. Whiskey-aging apparatus. 2,045,859; June 30.
Klingberg, Einar G., Long Island City, and D. L. Anderson, assignors to Intertype Corporation, Brooklyn, N. Y. Slug casting mold. 2,046,301; June 30.
Klotz, Ernst. (See Wilhelm, K., and Klotz.)
Knapp, David H., Philadelphia, Pa. Pneumatic tire and mounting therefor. 2,045,860; June 30.
Knight, Ira W., assignor to General Fire Extinguisher Company, Providence, R. I. Sprinkler. 2,046,169; June 30.
Köhler, Hugo. (See Tschunkur, E., and Köhler.)
Korytar, Dominick, Chicago, Ill. Shoe lengthening device. 2,046,170; June 30.
Kothman, John F., Minneapolis, Minn., assignor of one-half to F. T. Persinger. Sight testing device. 2,045,952; June 30.
Krementz, Frank, Company. (See Higham, Harry, assignor.)
Kronquest, Alfred L., Syracuse, assignor to Continental Can Company, Inc., New York, N. Y. Applying a protective enamel to can ends. 2,046,197; June 30.
Krueger, Otto, Milwaukee, Wis. Rack. 2,045,953; June 30.
Krus, Adolf. (See Eulenstein, F., and Krus.)
Kuskin, David, assignor to F. J. Foster, New York, N. Y. Windshield wiper and motor therefor. 2,045,861; June 30.
Lacy, Herman E., Chicago, Ill. Electrically heated cup. 2,046,125; June 30.
Landis, Quick. (See Gore, H. C., Landis, and Frey.)
Landis Tool Company. (See Baisiger, Harold E., assignor.)
Lane, Gerould T., and Wendell Butterfield, assignors to Eastman Kodak Company, Rochester, N. Y. Two-stage gravity flow wet end paper making machine. 2,046,270; June 30.
Lane, Gerould T., and W. Butterfield, assignors to Eastman Kodak Company, Rochester, N. Y. Controlled leak for paper making machines. 2,046,271; June 30.
Lang, Homer V., Charlotte, N. C. Apparatus for applying treating fluid to textile fibers. 2,045,783; June 30.
La Plant-Choate Manufacturing Company. (See Austin, Ellsworth W., assignor.)
Larson, Carl H., Elkhart, Ind., assignor to The Adlake Company. Mercury switch relay. 2,046,273; June 30.
Larson, Carl H., Elkhart, Ind., and D. J. McCarthy, Elgin, Ill., assignors to The Adlake Company. Mercury switch relay. 2,046,272; June 30.
Latham, George H. (See Hunt, J. K., and Latham.)
Latina, Harry B., East St. Louis, Ill., assignor to Rawlings Manufacturing Company, St. Louis, Mo. Base for the game of baseball. 2,046,126; June 30.
Laudanno, Fracesco, Brooklyn, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J. Making shoes. 2,045,954; June 30.
Lauer, Carleton J., Flint, assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Clutch operator for windshield wipers. 2,046,171; June 30.
Lavigne, Michael A. S., Worcester, Mass. Apparatus for handling fluids and gases. 2,045,862; June 30.
Lavine Gear Company. (See Twyman, B. W., assignor.)
Lawson, Oscar L., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of shoes. 2,045,714; June 30.
Leathers, Ward, Haworth, N. J., assignor, by mesne assignments, to The Quadrex Corporation. Vacuum cleaner. 2,046,172; June 30.
Lee, Arthur L., Gibsonia, Pa. Cutter chain. 2,046,023; June 30.
Lee, Arthur L., Oakmont, Pa. Cutter chain. 2,046,024; June 30.
Lee, Arthur L., Oakmont, Pa. Bit locking screw. 2,046,025; June 30.
Lee, Arthur L., Oakmont, Pa. Bit block. 2,046,026; June 30.
Leeds & Northrup Company. (See Fredericks, George E., assignor.)
Leeds and Northrup Company. (See Schock, John F., assignor.)
Leeds & Northrup Company. (See Stein, Irving M., assignor.)
Lefevre, Emil B. G., Detroit, Mich. Automobile door hinge. 2,045,955; June 30.
Lenhoff, John A., Newark, Del. Bottle cap remover. 2,046,173; June 30.
Lenk, David A., Newton, assignor to S. C. Brody, Brookline, Mass. Blowtorch. 2,045,956; June 30.
Letts, Charles, Laurel, Miss. Portable folding seat. 2,046,198; June 30.
Leve, Hyman, New York, N. Y. Rest mat. 2,045,784; June 30.
Leveseley, Alfred S., Saltcoats, and J. Craik, Stevenston, Scotland, assignor to Imperial Chemical Industries Limited. Cellulose derivative solutions and making the same. 2,046,174; June 30.
Lewis, Barnard J., Brookline, Mass. Printing plate and making the same. 2,045,606; June 30.
Lewis, Warren K., Newton, Mass., assignor to Standard Oil Development Company. Converting ethers to alcohols. 2,045,785; June 30.
Libbey-Owens,Ford Glass Company. (See Crowley, Joseph P., assignor.)
Libbey-Owens-Ford Glass Company. (See Jenkins, James I., assignor.)
Libbey-Owens-Ford Glass Company. (See Walters, Emmett L., assignor.)
Libbey-Owens-Ford Glass Company. (See Watkins, George B., assignor.)
Lim, Peter, Los Angeles, Calif. Vehicle. 2,046,175; June 30.
Lindenblad, Nils E., Port Jefferson, assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y. Electron tube cooling system. 2,045,659; June 30.
Lippert, Walter C. (See Gaines, E. F., and Lippert.)
Little, James A., Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Tabulating machine. 2,046,027; June 30.
Livingston, John W., Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa. Speed control system for car retarders. 2,045,989; June 30.
Locomotive Finished Material Company, The. (See Muchnic, Henry E., assignor.)

Loder, Donald J., assignor to du Pont Viscoloid Company, Wilmington, Del. Polymerization. 2,045,660; June 30.
Longenecker, Levi S., Pittsburgh, Pa. Door for metallurgical furnaces. 2,045,661; June 30.
Longenecker, Levi S., Pittsburgh, Pa. Furnace door and operating mechanism therefor. 2,045,662; June 30.
Loose, Kenneth D., Bronxville, assignor to Loose-Wiles Biscuit Company, Long Island City, N. Y. Conveyer for baking ovens. 2,045,957; June 30.
Loose-Wiles Biscuit Company. (See Loose, Kenneth D., assignor.)
Löpp, Edmund, assignor to N. V. Philips'-Gloeilampenfabrieken, Eindhoven, Netherlands. Electron discharge device. 2,045,663; June 30.
Lorant, Hugo, assignor to Schloemann Aktiengesellschaft, Dusseldorf, Germany. Making tubes by extrusion. 2,045,786; June 30.
Ludowici-Celadon Company. (See Mooney, Thomas F., assignor.)
Lundgren, Jacob, assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Apparatus for balancing rotatable bodies. 2,046,294; June 30.
MacDonald, Frank J., Brookline, assignor to Hood Rubber Company, Inc., Watertown, Mass. Margin-coating method and apparatus. 2,046,199; June 30.
MacFarlane, Charles A., White Plains, N. Y., assignor to Eastern Manufacturing Company, South Brewer, Maine. Color harmony testing means. 2,045,990; June 30.
MacIntosh, Charles L., Attleboro, Mass., assignor to S. O. Bigney & Company. Bracelet. 2,046,079; June 30.
MacKenzie, Wilbur L., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Coating machine. 2,045,715; June 30.
MacQueen, Malcolm D., et al. (See Smith, Arthur R., assignor.)
MacSulphur Corporation. (See McQuiston, Raymond C., assignor.)
Madden, James A. (See Pearson, H. B., England, and Madden.)
Mahan, Joseph R., assignor to The National-Superior Company, Toledo, Ohio. Pumping jack. 2,046,274; June 30.
Mahan, Joseph R., assignor to The National-Superior Company, Toledo, Ohio. Walking beam. 2,046,275; June 30.
Manger, Charles F. (See Bentley, P. A., Deans, Manger, and Wainwright.)
Mantz, Harold A., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis. Multipilot controlled valve. 2,045,664; June 30.
Marcher, Royal, assignor to Cohn & Rosenberger, Inc., New York, N. Y. Finger ring and the like. 2,045,665; June 30.
Marchioni, Frank A., Rutherford, N. J. Coin receptacle and conveyer. 2,046,176; June 30.
Marsala, Joseph C., Watertown, N. Y. Illuminated locked license plate container. 2,045,863; June 30.
Marshall, William H., Knoxville, Tenn. Hasp keeper. 2,046,078; June 30.
Martin-Copeland Company. (See Martin, Laurence C., assignor.)
Martin, Edward J., East Chicago, Ind., assignor to Sinclair Refining Company, New York, N. Y. Refining of oils. 2,046,177; June 30.
Martin, Laurence C., Providence, R. I., assignor to Martin-Copeland Company, Providence, R. I. Ophthalmic mounting. 2,045,916; June 30.
Martin, Newton E., Leola, Pa. Warp beam flange. 2,046,028; June 30.
Maschinenfabrik Augsburg-Nürnberg, A. G. (See Becher, Theodor, assignor.)
Mason, Warren P., West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Wave filter. 2,045,991; June 30.
Massey-Harris Company, The. (See Everett, Charles E., assignor.)
Massini, Alvin A., Wheeling, W. Va. Tamperproof seal. 2,046,127; June 30.
Maupin, Graves R., assignor to The J. Faessler Mfg. Co., Moberly, Mo. Tool for rolling multiple bearing surfaces. 2,045,787; June 30.
Maverick, George M., Elizabeth, N. J., assignor to Standard Oil Development Company. Fuel for high pressure liquid fuel injection engines. 2,045,788; June 30.
McArdle, Michael W., assignor to Chicago Flexible Shaft Company, Chicago, Ill. Electric appliance. 2,046,200; June 30.
McBee Company, The. (See Davis, H. C., Grabmeyer, and Van Loosen, assignors.)
McCabe, John J. (See Frantz, W. A., and McCabe.)
McCarthy, Daniel J. (See Larson, C. H., and McCarthy.)
McCauley, George V., assignor to Corning Glass Works, Corning, N. Y. Apparatus for casting large glass articles. 2,045,716; June 30.
McCleary, Nolen H. (See Dunne, J. J., and McCleary.)
McClellan, Clarence L., Kerrville, Tex. Device to prevent bed wetting. 2,046,080; June 30.
McDowell, James T., Denver, Colo. Elevating form for casting hollow concrete walls. 2,045,789; June 30.
McKinney Tool & Manufacturing Company. (See Rubin, Norbert, assignor.)
McNeil, Claude P., Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill. Manufacturing asphaltic products. 2,046,081; June 30.
McPhee, Cameron A., Seattle, Wash. Safety pin. 2,045,666; June 30.
McQuiston, Raymond C., West Newton, Mass., assignor to MacSulphur Corporation, New York, N. Y. Treating sulphur and product. 2,046,128; June 30.
Medlin, Levy B. (See Huntley, W. H., and Medlin.)
Meisler, William, Union City, and M. Wolf, Jersey City, N. J. Shirt construction. 2,046,201; June 30.
Mergenthaler Linotype Company. (See Albrecht, Christian A., assignor.)
Mergott, J. B., Company, The. (See Goerdes, Frederick W., assignor.)
Mergott, J. B., Company. (See Hiering, William C., assignor.)
Merrell, Wm. S., Company, The. (See Rider, Theodore H., assignor.)
Merrimac Chemical Co. (See Sargent, Neil A., assignor.)
Merrimac Chemical Company. (See White, J. F., and Wilson, assignors.)
Merydith, William W. (See Schepman, G. W., and Merydith.)
Metzner, Albert W. (See Sherman, J. Q., and Metzner.)
Meyer, Kurt. (See Scholl, R., and Meyer, assignors.)
Miamisburg Paper Company, The. (See Penwell, Jessie C., assignor.)
Michaud, Oscar. (See Trudel, B., and Michaud.)
Midyette, John T., Jr., Brooklyn, N. Y., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn. Unit heater control. 2,045,790; June 30.
Miessner, Benjamin F., Millburn Township, Essex County, N. J., assignor to Miessner Inventions, Inc. Method and apparatus for the production of music. 2,045,917; June 30.
Miessner Inventions, Inc. (See Miessner, Benjamin F., assignor.)
Miles, George H., New Barnet, Herts, England. Optical projection apparatus. 2,046,202; June 30.
Miller, Stuart P., Scarsdale, assignor to The Barrett Company, New York, N. Y. Extraction of phenols from phenol-containing liquors. 2,045,607; June 30.
Miller, Stuart P., Scarsdale, assignor to The Barrett Company, New York, N. Y. Recovery of phenols from waste and other liquors. 2,045,608; June 30.
Miller, William W., Berwyn, assignor to General Outdoor Advertising Co., Inc., Chicago, Ill. Advertising device. 2,045,864; June 30.
Mills, Albert W., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Manual and record controlled machine. 2,046,082; June 30.
Milwaukee Gas Specialty Company. (See Mantz, Harold A., assignor.)
Mims, Charles N., Paris, France. Manufacture of pads or sheets composed of fibers of kapok or the like materials. 2,046,083; June 30.
Minneapolis-Honeywell Regulator Company. (See Midyette, John T., Jr., assignor.)
Minshall, Robert J., Seattle, and R. L. Cram, Seahurst Park, assignors to Boeing Airplane Company, Seattle, Wash. Trimming and balancing flap for aircraft. 2,045,667; June 30.
Mitchell, James W., Kenmore, assignor to Du Pont Rayon Company, New York, N. Y. Humidification. 2,045,717; June 30.
Molnar, Nicholas M., et al. (See De Nagy, Bela, assignor.)
Moloney, Raymond T., Chicago, Ill. Ticket issuer for pin ball games. 2,046,084; June 30.
Molter, Clarence B. (See Chronic, C. C., and Molter.)
Monfort, William A., San Antonio, Tex. Spring-compressing tool. 2,046,203; June 30.
Monsanto Chemical Company. (See Dvornikoff, Michael N., assignor.)
Moody, Lewis F., Princeton, N. J., assignor to Baldwin-Southwark Corporation. Cavitation control means for blade periphery. 2,045,918; June 30.
Moody, Maxey D. (See Hardison, Charles J., assignor.)
Mooney, Thomas F., New Lexington, Ohio, assignor to Ludowici-Celadon Company, Chicago, Ill. Mineral wool furnace. 2,045,668; June 30.
Moore, William E., assignor to Pittsburgh Research Corporation, Pittsburgh, Pa. Electric furnace. 2,046,085; June 30.
Morey, Glen H., assignor to Phillips Petroleum Company, Bartlesville, Okla. Skywriting apparatus. 2,045,865; June 30.
Morrison, Harry, Detroit, Mich. Laboratory apparatus. 2,045,866; June 30.
Mosler Ignition Corporation. (See Kasarjian, Armen A., assignor.)
Moss, Henry V. (See Snell, F. D., and Moss.)
Mucher, John J., Brooklyn, N. Y. Resistance unit. 2,046,129; June 30.
Muchnic, Henry E., assignor to The Locomotive Finished Material Company, Atchison, Kans. Return bend for oil stills and the like. 2,046,029; June 30.
Mueller, Robert, Decatur, Ill. Bathtub. 2,045,867; June 30.
Muend, Charles J., Philadelphia, Pa. Faucet. 2,046,030; June 30.

Mugdan, Martin, and J. Sixt, assignors to Consortium fur Elektrochemische Industrie G. m. b. H., Munich, Germany. Production of phosphoric acid triesters of aliphatic alcohols. 2,046,031; June 30.

Müller, Frederick W., Hoboken, N. J., assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio. Apparatus for dispensing beverages. 2,046,032; June 30.

Müller, Richard, H. Hatzig, and E. Rabald, Mannheim, assignors to C. F. Boehringer & Soehne G. m. b. H., Mannheim-Waldhof, Germany. Producing anhydrides of lower fatty acids. 2,045,718; June 30.

Multisort Company. (See Wright, Harold A.)

Munro, Dougald H., Detroit, Mich. Internal combustion engine. 2,045,719; June 30.

Muse, Harry E., Reading, Mass. First aid kit. 2,046,086; June 30.

Musser, Clarence W., Kansas City, Mo. Racing amusement device. 2,046,178; June 30.

N. V. Philips' Gloeilampenfabrieken. (See de Boer, J. H., and Teves, assignors.)

N. V. Philips' Gloeilampenfabrieken. (See Löpp, Edmund, assignor.)

National Can Company. (See Hopkins, Arthur G., assignor.)

National Fireproofing Corporation. (See Woods, Charles J., assignor.)

Naus, Edward P., Minneapolis, Minn. Preparation for treating plants. 2,045,791; June 30.

National-Superior Company, The. (See Mahan, Joseph R., assignor.)

Nelson, David, Wilmette, Ill. Combined shirt support and ironer. 2,045,868; June 30.

Neosign Corporation. (See Vissing, Royal A., assignor.)

Neureuther, Andrew H., assignor to Western Clock Company, Peru, Ill. Synchronous motor. 2,046,130; June 30.

Newton, Courtland G., assignor to H. S. Kehm, Chicago, Ill. Pipe fitting. 2,045,669; June 30.

New York Air Brake Company, The. (See Campbell, Charles A., assignor.)

Nicholls, John S. C., Boston, Mass. Power and brake control mechanism for motor driven vehicles. 2,045,99?; June 30.

Nichols, Ernest H., assignor to The Funkhouser Company, Hagerstown, Md. Producing granular material. 2,046,295; June 30.

Nicholson, Frank H., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,045,992; June 30.

Nicholson, Frank H., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway traffic controlling apparatus. 2,046,179; June 30.

Nicholson, Irvin, and F. Shields, Selden, Kans. Weatherproof metal sash. 2,045,609; June 30.

Nickol, Edwin F., assignor to Edwin F. Nickol, Inc., Versailles, Ohio. Burial vault. 2,046,204; June 30.

Nickol, Edwin F., Inc. (See Nickol, Edwin F., assignor.)

Nielsen, Kai C. (See Jepsen, H. J., and Nielsen.)

Nilson, John L., Chicago, Ill. Pivot arm lock. 2,045,958; June 30.

Northwest Paper Company, The. (See Hoffman, Walter F., assignor.)

Norton Company. (See Green, Clarence J., assignor.)

Noske, Rudolf, San Carlos, Calif. Sighting device. 2,045,670; June 30.

Nu-Myst Co. (See Fortin, Paul R., assignor.)

Nu-Way Engineering Corporation. (See Holmes, Frederick J., assignor.)

Nyquist, Harry, Millburn, S. B. Wright, South Orange, and L. G. Abraham, Madison, N. J., assignors to American Telephone and Telegraph Company. Telephone transmission circuit. 2,045,720; June 30.

Oakes Products Corporation. (See Gottlieb, Oscar F., assignor.)

O'Brien, Morgan C. McM., Chelsea, London, England. Apparatus for coding and decoding. 2,046,276; June 30.

O'Connor, George W., Sacramento, Calif. Street plate for crawler type tractor shoes. 2,045,792; June 30.

Offutt, James S. (See Roos, C. K., Offutt, and Scholz.)

Ogee, Maurice M., Montreal, Quebec, Canada, assignor to The Bonna Pipe Company of America, Inc., Brooklyn, N. Y. Pipe construction. 2,045,671; June 30.

Ohio Brass Company, The. (See Chandler, Homer P., assignor.)

Oilgear Company, The. (See Wiedman, E., and Douglas, assignors.)

Oliveri, James, Island Park, N. Y. Suction holder. 2,045,672; June 30.

Olsen, Carl E., and J. A. Peterson, Houston, Tex. Safety link tongs. 2,045,869; June 30.

Olsen, Tinius, Testing Machine Company. (See Lundgren, Jacob, assignor.)

Olson, Carl J., Racine, Wis. Toy trip hammer. 2,046,038; June 30.

O'Neill, Michael T., Cumberland, R. I. Cushion wheel. 2,046,205; June 30.

Onondaga Pottery Company. (See Parmelee, Clifford H., assignor.)

Ornamented Leather, Inc. (See Sart, Gilbert D., assignor.)

Ose, Even, Thief River Falls, Minn. Trailer. 2,046,206; June 30.

Ott, Emil, Elsmere, assignor to Hercules Powder Company, Wilmington, Del. Chlorinated rubber composition. 2,046,277; June 30.

Ousley, Samuel J. (See Rutherford, M. E., Ousley, and Rankin.)

Owens-Illinois Glass Company. (See Bowes, Urban E., assignor.)

Packard Motor Car Company. (See Paton, Clyde R., assignor.)

Packard Motor Car Company. (See Tibbetts, Milton, assignor.)

Padgett, Joseph E., Toledo, Ohio. Automatic power transmitting mechanism. 2,045,610; June 30.

Padgett, Joseph E., Toledo, Ohio. Automatic power transmitting mechanism. 2,045,611; June 30.

Padgett, Joseph E., Toledo, Ohio. Automatic power transmitting mechanism. 2,045,612; June 30.

Padgett, Joseph E., Toledo, Ohio. Automatic power transmitting mechanism. 2,045,613; June 30.

Parallex Corporation. (See Taylor, Robert B. M., assignor.)

Park, Robert H., Bound Brook, N. J. Electric cooking apparatus. 2,045,673; June 30.

Parkin, Winfred T., assignor, by mesne assignments, to Stellar Corporation, Providence, R. I. Mouthpiece. 2,045,674; June 30.

Parmelee, Clifford H., assignor to Onondaga Pottery Company, Syracuse, N. Y. Tunnel kiln. 2,045,920; June 30.

Parraga, Charles F., Mexico D. F., Mexico. Apparatus for the treatment of ores. 2,045,919; June 30.

Parsons, George K., assignor to Unitor Corporation, Detroit, Mich. Rack for washing machines. 2,046,207; June 30.

Partlow Corporation, The. (See Partlow, Howard W., assignor.)

Partlow, Howard W., Utica, assignor to The Partlow Corporation, New Hartford, N. Y. Temperature control. 2,045,959; June 30.

Patents Incorporated. (See Swan, Harry, assignor.)

Paton, Clyde R., assignor to Packard Motor Car Company, Detroit, Mich. Internal combustion engine. 2,045,870; June 30.

Patterson, Robert W. (See Schenck, J. F., Jr., and Patterson.)

Paulsen, Jean F., Viroflay, and N. Strachovsky, Paris, France. Resilient transmission disk. 2,046,208; June 30.

Payne, James M. (See Curtin, L. P., and Payne.)

Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Feeler tip for weft detectors. 2,045,960; June 30.

Payne, Oscar V., Leicester, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Loom shuttle. 2,045,961; June 30.

Pearson, Howard B., N. J. England, and J. A. Madden, San Francisco, Calif. Towing lift. 2,045,793; June 30.

Peck, William H., Scarsdale, N. Y. Television system. 2,045,921; June 30.

Pennock, Edward M., and L. Hale, assignors to G. H. Tennant Company, Minneapolis, Minn. Certified milk case. 2,046,033; June 30.

Pennock, Edward M., St. Paul, and L. Hale, assignors to G. H. Tennant Company, Minneapolis, Minn. Bottle crate construction. 2,046,034; June 30.

Penwell, Jessie C., assignor to The Miamisburg Paper Company, Miamisburg, Ohio. Conveying attachment for paper cutters. 2,045,721; June 30.

Persinger, F. T. (See Kothman, John F., assignor.)

Peterson, Joseph A. (See Olsen, Carl E., and Peterson.)

Petsnick, Frank F., et al. (See Wert, Charles M., assignor.)

Pevere, Ernest F., Beacon, assignor to The Texas Company, New York, N. Y. Manufacture of lubricating oil. 2,045,922; June 30.

Pfaesterer, George R., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway track switch controlling apparatus. 2,046,180; June 30.

Phillips, George L., Newkirk, Okla. Advertising display device. 2,045,675; June 30.

Phillips Petroleum Company. (See Fitch, Louis H., Jr., assignor.)

Phillips Petroleum Company. (See Morey, Glen H., assignor.)

Picard, René. (See Pierrat, P., and Picard.)

Pier, Mathias, Heidelberg, Germany, assignor, by mesne assignments, to Standard-I. G. Company, Linden, N. J. Conversion of liquid carbonaceous materials of high boiling point range. 2,045,794; June 30.

Pier, Mathias, Heidelberg, F. Ringer, and W. Simon, Ludwigshafen-on-the-Rhine, Germany, assignors to Standard-I. G. Company, Linden, N. J. Production of hydrocarbons of low boiling point. 2,045,795; June 30.

Pierrat, Paul, and R. Picard, Paris, France, assignors to Du Pont Rayon Company, New York, N. Y. Manufacture of thread. 2,045,722; June 30.

Pilkington Brothers Limited. (See Slocombe, Frank E., assignor.)

Pilot, Israel, New York, N. Y. Brassière. 2,045,871; June 30.

Pittsburgh Research Corporation. (See Moore, William E., assignor.)

Plaisted, Ross J., Cleveland, Ohio. Power controlled wind indicator. 2,045,994; June 30.

Plebanski, Jozef, Warsaw, Poland, assignor to Radio Patents Corporation, New York, N. Y. Radio transmission. 2,045,796; June 30.

Ponte, Maurice, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil. Receiver especially for ultra-short waves. 2,045,995; June 30.

Pountney, John, Daytona Beach, Fla. Expander device. 2,046,087; June 30.

Powell, John H., Chester, and G. C. Staats, Folsom, assignors to Baldt Anchor Chain & Forge Corporation, Chester, Pa. Mechanism for welding chain links. 2,046,131; June 30.

Prentis, Henning W., Jr., assignor to Armstrong Cork Company, Lancaster, Pa. Textile roll. 2,046,137; June 30.

Presser, Ernst, Berlin, Germany, assignor to Radio Patents Corporation, New York, N. Y. Illumination meter. 2,045,797; June 30.

Preston, Neil D., assignor to General Railway Signal Company, Rochester, N. Y. Centralized traffic controlling system for railroads. 2,045,723; June 30.

Price, William B., assignor to Scovill Manufacturing Company, Waterbury, Conn. Welding rod. 2,046,088; June 30.

Purdy, William C., Tallulah, La. Fumigating cap. 2,046,132; June 30.

Pure Oil Company, The. (See Carr, Richard H., assignor.)

Purvis, Thomas A., assignor of one-half to S. Putter, St. Joseph, Mo. Combined alarm clock and light. 2,045,798; June 30.

Putter, Sadie. (See Purvis, Thomas A., assignor.)

Quadrex Corporation, The. (See Leathers, Ward, assignor.)

Quinlivan, Quentin L., Arlington, N. J., assignor to Celastic Corporation, Wilmington, Del. Treatment of fibrous sheets. 2,045,676; June 30.

Rabald, Erich. (See Müller, R., Hatzig, and Rabald.)

Radio Corporation of America. (See Ballantine, Stuart, assignor.)

Radio Corporation of America. (See Flory, Leslie E., assignor.)

Radio Corporation of America. (See Furnival, J. M., and Bubb, assignors.)

Radio Corporation of America. (See Geffcken, H. H., and Richter, assignors.)

Radio Corporation of America. (See Green, Ernest, assignor.)

Radio Corporation of America. (See Henry, T. J., and Hirmann, assignors.)

Radio Corporation of America. (See Lindenblad, Nils E., assignor.)

Radio Corporation of America. (See Usselman, George L., assignor.)

Radio Patents Corporation. (See Dalpayrat, Henri F., assignor.)

Radio Patents Corporation. (See Plebanski, Jozef, assignor.)

Radio Patents Corporation. (See Presser, Ernst, assignor.)

Rankin, Melvin C. (See Rutherford, M. E., Ousley, and Rankin.)

Rast, Frederick Q., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Printing means. 2,045,996; June 30.

Rastetter, William C., Fort Wayne, Ind. Doll. 2,045,962; June 30.

Ratbbun, Merrill L., Jamestown, N. Y. Closed receptacle or case. 2,046,133; June 30.

Rawlings Manufacturing Company. (See Latina, Harry B., assignor.)

Ray, Arthur B., Bayside, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Producing solidified fuel. 2,046,209; June 30.

Raybestos-Manhattan, Inc. (See White, Clarence B., assignor.)

Rea, Thomas K., assignor of one-half to R. G. Spratt, Charlotte, N. C. Loom picker. 2,045,724; June 30.

Rebhahn, George. Barber, Mont. Rodent poison spreader. 2,046,089; June 30.

Redman, Frank R., Yardley, Pa. Multi-ply fabric article. 2,045,963; June 30.

Reed, Cortes F., Anoka, assignor of one-half to C. L. Horn, Minneapolis, Minn. Halogenating compounds and product resulting therefrom. 2,046,000; June 30.

Reichard, Wade H., assignor to General Railway Signal Company, Rochester, N. Y. Inductive device for detecting the passage of railway vehicles. 2,045,923; June 30.

Reichard, Wade H., assignor to General Railway Signal Company, Rochester, N. Y. Continuous inductive train control system. 2,045,924; June 30.

Reinerz, Wilhelm, and G. Kahlisch, assignors to W. Schlafhorst & Co., Gladbach-Rheydt, Germany. Winding machine. 2,045,872; June 30.

Reliable Electric Co. (See Potsch, William G., assignor.)

Reller, Edwin L., Central Township, St. Louis County, assignor to D. O. Royster, Overland, Mo. Keyboard mechanism. 2,045,873; June 30.

Remy, Theron P., Los Angeles, Calif., assignor to The Texas Company, New York, N. Y. Insecticide and fungicide. 2,045,925; June 30.

Remy, Theron P., Los Angeles, Calif., assignor to The Texas Company, New York, N. Y. Insecticide and fungicide. 2,046,181; June 30.

Reppert, Richard V., Binghamton, assignor to International Business Machines Corporation, New York, N. Y. Typewriting machine. 2,045,997; June 30.

Republic Flow Meters Company. (See Spitzglass and Handwerk, assignors.)

Reutter, Philip A., assignor to Scovill Manufacturing Company, Waterbury, Conn. Dispenser. 2,045,926; June 30.

Reynolds, Henry T., Lombard, Ill., assignor to American Can Company, New York, N. Y. Display stand. 2,045,614; June 30.

Rice, Cyrus W., Pittsburgh, Pa. Boiler water conditioning. 2,046,308; June 30.

Rich, George R., Battle Creek, Mich. Form for use in fabricating motor valves. 2,045,799; June 30.

Richards, Harry, assignor to S. Wolf & Company, London, England. Percussive tool. 2,046,210; June 30.

Richards, Samuel H., Harpenden, England. Wire drawing machine. 2,045,726; June 30.

Richardson Company, The. (See Hottel, Louis W., assignor.)

Richardson, Dean R., New Kensington, Pa. Rock and coal auger. 2,045,725; June 30.

Richmond Turbine Pump Co. Inc. (See Hamilton, Sylvester J., assignor.)

Richter, Hans R. (See Geffcken, H. H., and Richter.)

Richter, Walther, Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Arc length indicator. 2,045,800; June 30.

Richter, Walther, Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Voltage indicator. 2,045,801; June 30.

Richter, Walther, Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Arc welding shield. 2,045,802; June 30.

Richter, Walther, Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Welding apparatus. 2,045,803; June 30.

Rider, Theodore H., assignor to The Wm. S. Merrell Company, Cincinnati, Ohio. Purifying ricinoleic acid. 2,045,727; June 30.

Ringer, Friedrich. (See Pier, M., Ringer, and Simon.)

Rinkel, Otto, Karlsruhe, assignor to Berlin-Karlsruher Industrie-Werke Aktiengesellschaft, Karlsruhe in Baden, Germany. Casing projectile. 2,045,964; June 30.

Ripich, Louis J., assignor to The Shoe Repair Specialty Corporation. Cleveland, Ohio. Shoe tap press. 2,046,035; June 30.

Ritter, Max E., New York, N. Y. Pipe stanchion. 2,045,927; June 30.

Roach, Nathan. (See Weightman, H. E., and Roach.)

Roberts, Samuel B., Cumberland, Md., assignor to Celanese Corporation of America. Oscillating dye jig. 2,045,874; June 30.

Robertson, John, Co. (See Jacobson, Conrad C., assignor.)

Robertson, Robert R., assignor to The Translode Joint Company, Chicago, Ill. Expansion joint and filler bridge. 2,046,182; June 30.

Robertson, Robert R., assignor to The Translode Joint Company, Chicago, Ill. Road slab side edge reenforcer. 2,046,183; June 30.

Robinson, Glen E., St. Joseph, Mich. Reenforced boat. 2,045,998; June 30.

Roden, Harry. (See Gardner, E. W., Roden, and Felder.)

Rodriguez, Anselmo O., Valverde-Leganes, Badajoz, Spain. Coating ferrous bodies with other metals. 2,046,036; June 30.

Rodriguez, Anselmo O., Valverde-Leganes, Spain. Coating ferrous bodies with other metals. 2,046,037; June 30.

Rodwell, Albert G., Dalston, London, England. Paint. 2,046,091; June 30.

Roe, Ralph C., Englewood, N. J. Water refrigeration. 2,045,999; June 30.

Rohde, Max. (See Flammiger, W., and Rohde.)

Ronstadt, Claudia S. (See Ronstadt, John B., assignor.)

Ronstadt, John B., Long Beach, Calif., assignor, by decree of court, to C. S. Ronstadt, widow. Garden implement. 2,045,728; June 30.

Roos, Carlisle K., Wheaton, J. S. Offutt, Chicago, and H. A. Scholz, Oak Park, assignors to United States Gypsum Co., Chicago, Ill. Acoustical paint. 2,046,296; June 30.

Rosen, Milton J., New York, N. Y. Sink attachment. 2,045,965; June 30.

Rosendahl, Nils M., assignor to Universal Crusher Company, Cedar Rapids, Iowa. Oiling system. 2,046,092; June 30.

Rosenthal, Michael, R. D. Delamere, and H. M. Rutter, Toronto, Ontario, Canada, said Delamere and said Rutter assignors to said Rosenthal. Mechanism for selecting pages and turning leaves of a book. 2,045,804; June 30.

Rösle, Heinrich, and E. Seibold, Heidenheim, Germany. Hydraulic disengaging coupling. 2,045,615; June 30.

Rothe, Horst. (See Jobst, G., and Rothe.)

Royster, David O. (See Reller, Edwin L., assignor.)

Rubin, Norbert, assignor to McKinney Tool & Manufacturing Company, Cleveland, Ohio. Stock cutting mechanism. 2,045,928; June 30.

Ruehmann, Otto, Los Angeles, Calif. Fire-hose support. 2,045,966; June 30.

Ruppe, Hugo, assignor to E. Gross, Berlin, Germany. Small electric motor. 2,045,729; June 30.

Rupple, Harry W., Shaker Heights, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio. Multispindle drill head. 2,045,891; June 30.

Rutherford, Marvin E., S. J. Ousley, and M. C. Rankin, Spur, Tex. Combined weed cutter and cultivator assembly. 2,046,211; June 30.

Rutledge, Holland, Sekiu, Wash. Log raft. 2,045,875; June 30.

Rutter, Harvey M. (See Rosenthal, M., Delamere, and Rutter.)

Ryang, Earl T., Chicago, Ill. Book or sheet holder. 2,046,134; June 30.

S K F Industries, Inc. (See Brusca, Joseph L., assignor.)

Saaf, Dirk G., assignor to Goodrich Electric Company, Chicago, Ill. Fixture support. 2,046,184; June 30.

Saarinen, Armas J. (See Brubaker, W. S., and Saarinen.)

Saatman, Walter A., Roslyn, Pa. Gluing machine. 2,046,185; June 30.

"Sachtleben" Aktiengesellschaft für Bergbau und Chemische Industrie. (See Eulenstein, F., and Krus, assignors.)

St. Claire, Charles W., assignor to Armstrong Cork Company, Lancaster, Pa. Textile roll and making the same. 2,046,136; June 30.

Samcoe Holding Corporation. (See Cohn, Samuel, assignor.)

Santon, Elliot A., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Shuttle check and release. 2,045,967; June 30.

Sargent, Neil A., Woburn, assignor to Merrimac Chemical Co., Inc., Everett, Mass. Hydrolysis of alkyl sulphate esters. 2,045,616; June 30.

Sart, Gilbert D., Salem, assignor to Ornamented Leather, Inc., Boston, Mass. Ornamented leather with artificial grain and making same. 2,046,000; June 30.

Saul, Waldo A., Lexington, assignor to General Plate Company, Attleboro, Mass. Thermostatic control. 2,046,186; June 30.

Saul, Waldo A., Lexington, assignor to General Plate Company, Attleboro, Mass. Thermostat. 2,046,187; June 30.

Schaaf, Albert E., Cleveland, and G. M. Walton, Parma, assignors to Air-Maze Corporation, Cleveland, Ohio. Air filter means. 2,046,093; June 30.

Schaar, Arnold, Vienna, Austria. Textile article. 2,046,039; June 30.

Scharr, Walter P., Endicott, assignor to International Business Machines Corporation, New York, N. Y. Bill feed attachment. 2,046,001; June 30.

Schellentrager, Eugene W., Shaker Heights, Ohio. Associated gates for hoppers. 2,046,040; June 30.

Schenck, John F., Jr., and R. W. Patterson, Shelby, N. C., assignor of sixty per cent to said Schenck, and forty percent to said Patterson. Labeling machine. 2,046,212; June 30.

Schepman, George W., and W. W. Merydith, Detroit, Mich. Frozen confection and forming and dispensing. 2,045,730; June 30.

Schlafhorst, W., & Co. (See Reiners, W., and Kahlisch, assignors.)

Schloemann Aktiengesellschaft. (See Gassen, Josef, assignor.)

Schloemann Aktiengesellschaft. (See Lorant, Hugo, assignor.)

Schmidt, Ferdinand, Duisburg-Laar, Germany. Permanent holder for catheters. 2,046,094; June 30.

Schnurer, Octave, assignor to Brixmesh Corporation, Pittsburgh, Pa. Monolithic, metallic-reenforced slab. 2,046,213; June 30.

Schock, John F., assignor to Leeds and Northrup Company, Philadelphia, Pa. Apparatus for balancing measuring instruments. 2,045,677; June 30.

Scholl, Roland, Dresden, and K. Meyer, Berlin-Zehlendorf, Germany, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland. 3.5.8.10-Tetraaroylpyrenes and making the same. 2,045,968; June 30.

Schols, Hermany A. (See Roos, C. K., and Offutt, and Schols.)

Schubert & Salzer Maschinenfabrik Aktiengesellschaft. (See Heinitz, Woldermar, assignor.)

Schuler, Reuben. (See Buc, H. E., and Schuler.)

Schultz, Joseph, Cleveland, Ohio. Lithographic offset press. 2,046,189; June 30.

Schulz, Walter F., assignor to Truscon Steel Company, Youngstown, Ohio. Roadway joint strip. 2,046,297; June 30.

Schwab, John C. E., and H. M. Wheeler, Clarksburg, assignors to Hazel-Atlas Glass Company, Wheeling, W. Va. Glass banding machine. 2,045,876; June 30.

Scott, Philip L., Chicago, Ill. Engine. 2,046,003; June 30.

Scott & Williams, Incorporated. (See Holt, Laurence B., assignor.)

Scovill Manufacturing Company. (See Price, William B., assignor.)

Scovill Manufacturing Company. (See Reutter, Philip A., assignor.)

Seibold, Ernst. (See Rösle, H., and Seibold.)

Selig, Albert S., assignor to The Selig Company, Inc., Atlanta, Ga. Deodorant receptacle for urinals. 2,046,214; June 30.

Selig Company, The. (See Selig, Albert S., assignor.)

Severy, Melvin L., assignor to The Vocalsevro Company, Los Angeles, Calif. Musical instrument. 2,045,877; June 30.

Severy, Melvin L., assignor to The Vocalsevro Company, Los Angeles, Calif. Musical instrument. 2,045,878; June 30.

Shafer, Abraham S., Philadelphia, Pa. Auxiliary compartment for refrigerator doors. 2,045,879; June 30.

Shafer, Ira, San Diego, Calif. Bag opening machine. 2,045,678; June 30.

Shaw, Thomas, Greenwood, R. I. Rack or supporting structure. 2,046,095; June 30.

Shelmire, Stanley R., assignor to Standard-Trump Bros. Machine Company, Wilmington, Del. Knitting mechanism. 2,045,617; June 30.

Sherman, John Q., and A. W. Metsner, Dayton, Ohio; said Metsner assignor to said Sherman. Attachment for writing machiens. 2,045,618; June 30.

Shields, Francis. (See Nicholson, I., and Shields.)

Shire, Moses E. (See Anschicks, Rudolph J.)

Shoe Repair Specialty Corporation, The. (See Ripich, Louis J., assignor.)

Sieber, Heinrich. (See Eckert, W., and Sieber.)

Siemens & Halske Aktiengesellschaft. (See Flammiger, W., and Rohde, assignors.)

Siemens-Schuckertwerke Aktiengesellschaft. (See Bingel, R., and Weinert, assignors.)

Silberman, David, New York, assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y. Machine for attaching snap fasteners. 2,045,805; June 30.

Silver, Benjamin J., New York, N. Y. Weight distributing shoe sole. 2,046,190; June 30.

Simon, Otto E. (See Street, J. B., and Simon.)

Simon, Walter. (See Pier, M., Ringer, and Simon.)

Sinclair Refining Company. (See Martin, Edward J., assignor.)

Sirian Lamp Company. (See Braselton, Chester H., assignor.)

Sixt, Johann. (See Mugdan, M., and Sixt.)

Slater Mills, Inc. (See Burton, Harry H., assignor.)

Sloan, William E., Chicago, Ill. Flush valve. 2,046,004; June 30.

Sloane, Reginald G., Elizabeth, N. J., assignor to Standard Oil Development Company. Pour point depressant of high strength and preparing same. 2,045,806; June 30.

Slocombe, Frank E., Doncaster, assignor to Pilkington Brothers Limited, Liverpool, England. Process and apparatus for annealing glass plates. 2,045,880; June 30.

Smith, A. O., Corporation. (See Richter, Walther, assignor.)

Smith, Arthur R., assignor of one-third to A. G. Armstrong, and one-third to M. D. MacQueen, Detroit, Mich. Grip for golf clubs and applying the same. 2,046,191; June 30.

Smith, Ellsworth J., Sr. (See Hirtz, Joseph A., Sr., assignor.)

Smith, William A., Sr., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Rock drill. 2,046,135; June 30.

Smith, William I., Pasadena, Calif. Changeable display device. 2,045,619; June 30.

Smyly, Arthur L., Chicago, Ill. Oxidation of iron. 2,045,807; June 30.

Smyly, Arthur L., Chicago, Ill. Manufacture of iron oxide. 2,045,808; June 30.

Snell, Foster D., Brooklyn, N. Y., and H. V. Moss, St. Louis, Mo., assignors to Swann Research, Inc., Sodium silicate detergent. 2,046,192; June 30.

Society of Chemical Industry in Basle. (See Scholl, R., and Meyer, assignors.)

Solari, Frank, San Diego, Calif. Device for cleaning out the overflow passages of wash basins. 2,045,781; June 30.

Solari, Frank, San Diego, Calif. Device for cleaning out the overflow passages of wash basins. 2,045,782. June 30.

Spafford, Allen L., assignor to Wood Conversion Company, Cloquet, Minn. Insulation structure. 2,045,733; June 30.

Spencer, John A., Newtonville, assignor to General Plate Company, Attleboro, Mass. Thermostatically controlled device. 2,046,188; June 30.

Sperry Gyroscope Company. (See Carlson, Bert G., assignor.)

Sperry Gyroscope Company. (See Hodgman, Frederick S., assignor.)

Sperti, George, Covington, Ky., assignor to Sperti Lamp Corporation, New York, N. Y. Electric light source. 2,046,096; June 30.

Sperti Lamp Corporation. (See Sperti, George, assignor.)

Spicer, Walter E., assignor, by mesne assignments, to C. F. Burgess Laboratories, Inc., Madison, Wis. Muffler. 2,046,193; June 30.

Spitz, Morris, Cleveland Heights, Ohio. Composite cutting and threading tool. 2,046,041; June 30.

Spitzglass, Albert F., and O. T. Handwerk, assignors to Republic Flow Meters Company, Chicago, Ill. Calculating apparatus. 2,045,621; June 30.

Spratt, Robert G. (See Rea, Thomas K., assignor.)

Sprecker, Alfred L., Freeport, assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y. Automatic scale. 2,046,005; June 30.

Spullies, William, Maywood, N. J. Compensating gib for noiseless elevators. 2,045,620; June 30.

Staats, Gilson C. (See Powell, J. H., and Staats.)

Stacey, Alfred E., Jr., Essex Fells, and C. B. Ernst, Elizabeth, assignors, by mesne assignments, to Carrier Engineering Corporation, Newark, N. J. Distributing air. 2,046,215; June 30.

Standard Brands Incorporated. (See Gore, H. C., Landis, and Frey, assignors.)

Standard-I. G. Company. (See Fisher, Harold W., assignor.)

Standard-I. G. Company. (See Pier, Mathias, assignor.)

Standard-I. G. Company. (See Pier, M., Ringer, and Simon, assignors.)

Standard Oil Company. (See McNeil, Claude P., assignor.)

Standard Oil Development Company. (See Blau, L. W., and Statham, assignors.)

Standard Oil Development Company. (See Buc, Hyym E., assignor.)

Standard Oil Development Company. (See Buc, H. E., and Schuler, assignors.)

Standard Oil Development Company. (See Frolich, P. K., and Wiezevich, assignors.)

Standard Oil Development Company. (See Lewis, Warren K., assignor.)

Standard Oil Development Company. (See Maverick, George M., assignor.)

Standard Oil Development Company. (See Sloane, Reginald G., assignor.)

Standard Oil Development Company. (See Wiezevich, Peter J., assignor.)

Standard Oil Development Company. (See Wilson, A. M., and Crosby, assignors.)

Standard Oil Development Company. (See Winning, C., and Thomas, assignors.)

Standard Oil Development Company. (See Winning, C., and Young, assignors.)

Standard-Trump Bros. Machine Company. (See Shelmire, Stanley R., assignor.)

Stanitz, Jacques, assignor to The Youngstown Pressed Steel Company, Warren, Ohio. Sink, wash basin, and the like. 2,045,969; June 30.

Statham, Louis. (See Blau, L. W., and Statham.)

Stein, Irving M., assignor to Leeds & Northrup Company, Philadelphia, Pa. Electrical measuring. 2,045,970; June 30.

Stellar Corporation. (See Kauffmann, Frederick C., assignor.)

Stellar Corporation. (See Parkin, Winfred T., assignor.)

Sternau, S., & Co. (See York, Albert F., assignor.)

Steward, Douglas P., Westmont, Pa. Car wheel and method of manufacture. 2,046,216; June 30.

Stockfleth, Sigurd J., Bloomingdale, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y. Switching mechanism. 2,045,971; June 30.

Stover Manufacturing & Engine Co. (See Chronic, C. C., and Molter, assignors.)

Strachovsky, Nikita. (See Paulsen, J. F., and Strachovsky.)

Strauss, Albert A., Pittsburgh, Pa. Foot guard. 2,046,217; June 30.

Street, John B., and O. E. Simon, Jackson, Miss. Two-color attachment for printing presses. 2,046,218; June 30.

Strider, Isaac H., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Glass banding machine. 2,045,881; June 30.

Stromgren, Charles D., Los Angeles, Calif. Setting brake shoes. 2,045,882; June 30.

Stroud, Charles M. (See Austin, Reed S., assignor.)

Stroud, Charles M., Minneapolis, Minn. Control for oil burners or similar apparatus. 2,045,883; June 30.

Summers, Kenneth E., Old Fletton, England. Wheel dressing device for abrasive lapping machines. 2,046,097; June 30.

Summers, Otto M., Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation. Refrigerating apparatus. 2,045,809; June 30.

Sundback, Gideon, assignor to Hookless Fastener Company, Meadville, Pa. Apparatus and method for assembling separable interlocking fasteners. 2,045,884; June 30.

Super Mold Corporation. (See Woock, Herbert J., assignor.)

Svenska Aktiebolaget Gasaccumulator. (See Björklund, Gustaf E., assignor.)

Swallen, Lloyd C., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Separation of methyl amines. 2,045,929; June 30.

Swan, Harry, New York, N. Y., assignor to Patents Incorporated, Wilmington, Del. Safety razor. 2,046,219; June 30.

Swann Research, Inc. (See Snell, F. D., and Moss, assignors.)

Swendsen, Johan W., Oslo, Norway. Induction motor with disk-wound stator and rotor. 2,045,784; June 30.

Swink, Hearne, Salisbury, N. C., and P. W. Douglass, Ridgewood, N. J., assignors to Cannon Mills Company, Kannapolis, N. C. Reenforced hemstitching. 2,045,885; June 30.

Tanner, James F., Bristol, England. Apparatus for delivering predetermined quantities of granular or pulverulent material. 2,046,220; June 30.

Taylor, Charles C., Flushing, N. Y., assignor to American Telephone and Telegraph Company. Radio receiving circuits. 2,045,735; June 30.

Taylor, George, Penwortham, Preston, England. Safety razor. 2,046,006; June 30.

Taylor, Herbert B., assignor to General Railway Signal Company, Rochester, N. Y. Emergency operator for railway traffic controlling devices. 2,045,930; June 30.

Taylor, James, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited. Blasting charge. 2,046,194; June 30.

Taylor, Robert B. M., assignor, by mesne assignments, to Parallex Corporation, Newark, N. J. Bookbinding machine. 2,046,278; June 30.

Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H. (See Anders, Guido, assignor.)

Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H. (See Jobst, G., and Rothe, assignors.)

Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H. (See Wilhelm, K., and Klotz, assignors.)

Teleswitch Corporation. (See Gibbs, Leon M., assignor.)

Tennant, G. H., Company. (See Pennock, E. M., and Hale, assignors.)

Ternstedt Manufacturing Company. (See Foster, Howard M., assignor.)

Teves, Marten C. (See de Boer, J. H., and Teves.)

Texas Company, The. (See Clegg, Charles V., assignor.)

Texas Company, The. (See Cullison, Benjamin F., assignor.)

Texas Company, The. (See Davis, Eugene L., assignor.)

Texas Company, The. (See Gardner, E. W., Roden, and Felder, assignors.)

Texas Company, The. (See Haralson, Cull C., assignor.)

Texas Company, The. (See Pevere, Ernest F., assignor.)

Texas Company, The. (See Remy, Theron P., assignor.)

Thacher, George H., Melrose, and C. C. Willson, Newton, Mass. Card table. 2,045,931; June 30.

Theel, Percival, Jarrettown, Pa. Coating composition. 2,045,932; June 30.

Thermatomic Carbon Company. (See Cretney, Robert W., assignor.)

Thomas, Robert M. (See Winning, C., and Thomas.)

Thomas, William O., Anderson, Ind. Coupling. 2,046,221; June 30.

Thompson, Frank H., Baltimore, Md. Cabinet. 2,046,222; June 30.

Thomson, Gilbert A., Coffeyville, Kans. Spectacles. 2,045,622; June 30.

Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Brake operating mechanism. 2,045,886; June 30.

Tilley, John N. (See Handforth, S. L., and Tilley.)

Tompkins, Marvin A., Akron, Ohio. Striking bag apparatus. 2,045,972; June 30.

Townsend, Claude M., Birmingham, England. Antifrictional bearing. 2,045,933; June 30.

Translode Joint Company, The. (See Robertson, Robert R., assignor.)

Tremblay, Albert F., Winchester, Ind. Glass feding apparatus. 2,046,195; June 30.

Trescott Company, The. (See Trescott, Willis A., assignor.)

Trescott, Willis A., assignor to The Trescott Company, Inc., Fairport, N. Y. Packing terminal for fruit sorting machines. 2,045,887; June 30.

Tretolite Company. (See De Groote, Melvin, assignor.)

Trudel, B., & Cie. (See Trudel, B., and Michaud.)

Trudel, Benoit, and O. Michaud, assignors to B. Trudel & Cie., Montreal, Quebec, Canada. Homogeniger. 2,046,223; June 30.

Truscon Steel Company. (See Briody, Bernard C., assignor.)

Truscon Steel Company. (See Schulz, Walter F., assignor.)

Truxell, Clyde W., Jr., assignor to General Motors Corporation, Detroit, Mich. Piston. 2,046,196; June 30.

Tschunkur, Eduard, and H. Köhler, Cologne-Mulheim, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany. Preparation of sulphene amides. 2,045,888; June 30.

Tucker, William B., assignor to Armstrong Cork Company, Lancaster, Pa. Cork cot and making the same. 2,046,138; June 30.

Turner, Chester D., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Manufacture of shoes. 2,045,736; June 30.

Turner, Edward T., Dayton, Ohio. Automobile. 2,046,042; June 30.

Tuttle, Arthur S., Salem, Mass., assignor to Worthington Mower Company, Stroudsburg, Pa. Carrier mechanism. 2,045,889; June 30.

Tweedale, Ralph L., assignor to General Motors Corporation, Dayton, Ohio. Refrigerating apparatus. 2,045,810; June 30.

Twyman, B. W., Indianapolis, Ind., assignor to Lavine Gear Company, Milwaukee, Wis. Steering gear. 2,045,811; June 30.

Uhalt, Alfred A. H. and M. A. L., Cleveland, Ohio. Service cabinet. 2,045,890; June 30.

Uhalt, Mary A. L. (See Uhalt, Alfred A. H., and M. A. L.)

Unger, Paul O., Glen Ellyn, assignor to Wilson-Jones Company, Chicago, Ill. Loose leaf binder. 2,046,007; June 30.

Union Carbide and Carbon Corporation. (See Becket, F. M., and Franks, assignors.)
Union Carbide and Carbon Corporation. (See Boshkoff, George J., assignor.)
Union Carbide and Carbon Corporation. (See Cox, H. L., and Carruthers, assignors.)
Union Carbide and Carbon Corporation. (See Kinzel, A. B., and Crafts, assignors.)
Union Oil Company of California. (See Beynon, Le Guay, assignor.)
Union Switch & Signal Company, The. (See Allen, Earl M., assignor.)
Union Switch & Signal Company, The. (See Dowling, Philip H., assignor.)
Union Switch & Signal Company, The. (See Livingston, John W., assignor.)
Union Switch & Signal Company, The. (See Nicholson, Frank H., assignor.)
Union Switch & Signal Company, The. (See Pflasterer, George R., assignor.)
United Shoe Machinery Corporation. (See Blanchard, Benjamin B., assignor.)
United Shoe Machinery Corporation. (See Eppler, Andrew, assignor.)
United Shoe Machinery Corporation. (See Finn, Sidney J., assignor.)
United Shoe Machinery Corporation. (See Haas, Otto R., assignor.)
United Shoe Machinery Corporation. (See Hall, A. E. C., Eek and Huhn, assignors.)
United Shoe Machinery Corporation. (See Hooper, Lester B., assignor.)
United Shoe Machinery Corporation. (See Laudanno, Fracesco, assignor.)
United Shoe Machinery Corporation. (See Lawson, Oscar L., assignor.)
United Shoe Machinery Corporation. (See MacKenzie, Wilbur L., assignor.)
United Shoe Machinery Corporation. (See Turner, Chester D., assignor.)
United States Envelope Company. (See Allison, Robert L., assignor.)
United States Gypsum Co. (See Roos, C. K., Offutt, and Schols, assignors.)
Unitor Corporation. (See Parsons, George K., assignor.)
Universal Crusher Company. (See Rosendahl, Nils M., assignor.)
Upson, Carl A., Hammond, Ind. Practicing machine for adjusters. 2,045,812; June 30.
Urmetz, Walter W., Parma, assignor to The Ferro Engineering Company, Cleveland, Ohio. Hot top lining. 2,046,043; June 30.
Usselman, George L., Port Jefferson, Long Island, N. Y., assignor to Radio Corporation of America. Modulation. 2,045,973; June 30.
Vacuum Process Mineral Extracting Company. (See Elian, Arthur J., assignor.)
Valentine, Clarence E., Lancaster, Ohio. Locking device for milk bottles. 2,045,934; June 30.
Vance, Glenrole M. and L. R., Kansas City, Mo. Oil heating apparatus. 2,046,096; June 30.
Vance, Leonard R. (See Vance, Glenrole M. and L. R.)
Vancil, Edgar D., and F. S. Haas, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio. Machine tool. 2,045,737; June 30.
Vanderhoof, Frank E., assignor to F. W. Vanderhoof, Greenwich, Conn. Bottle stopper lock. 2,046,224; June 30.
Vanderhoof, Frank W. (See Vanderhoof, Frank E., assignor.)
Van Loosen, Alfred G. (See Davis, H. C., Grabmeyer, and Van Loosen.)
Veino, James G. (See Fisher, Elmer F., assignor.)
Ve Relle, William H., Philadelphia, Pa. Necktie. 2,045,679; June 30.
Vickery, Marion D., Peru, Ind. Ornamental lawn sprinkler. 2,046,225; June 30.
Vissing, Royal A., Magna, Utah, assignor to Neosign Corporation, New York, N. Y. Luminous tube sign. 2,046,044; June 30.
Vocalsevro Company, The. (See Severy, Melvin L., assignor.)
Von der Lahr, Karl, Dusseldorf, Germany. Open hearth furnace. 2,046,279; June 30.
Von Pein, Edward J., Endicott, and W. N. Gilbert, Binghamton, assignors to International Business Machines Corporation, New York, N. Y. Scale. 2,045,974; June 30.
Von Sauer, Walter, Berlin, Germany. Electric heating installation. 2,046,008; June 30.
Votteler, Frederick, assignor to Armstrong Cork Company, Lancaster, Pa. Making tubes and apparatus therefor. 2,046,139; June 30.
Wainwright, Carlyle H. (See Bentley, P. A., Deans, Manger, and Wainwright.)
Waldes Koh-I-Noor, Inc. (See Silberman, David, assignor.)
Walker, George R. (See Bear, W. L., and Walker.)
Walker, John, Jr., Melrose Park, assignor to Walker Manufacturing Company, Inc., Philadelphia, Pa. Latch for heddle frames. 2,046,099; June 30.
Walker, John, Jr., Melrose Park, assignor to Walker Manufacturing Company, Inc., Philadelphia, Pa. Latch for heddle frames. 2,046,100; June 30.
Walker, Joseph B., Hollywood, assignor of one-half to S. K. Johnson, Los Angeles, Calif. Recording and reproducing secret messages. 2,045,624; June 30.
Walker Manufacturing Company. (See Walker, John, Jr., assignor.)
Walsh, Joseph H. (See Davis, Frank P., assignor.)
Walters, Emmett L., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Glass inspection apparatus. 2,046,045; June 30.
Walton, George M. (See Schaaf, A. E., and Walton.)
Washington, John, Waco, Tex. Ground working machine. 2,046,046; June 30.
Wasmer, Charles L., et al. (See Hogue, Henry J., assignor.)
Wasmer, John C., et al. (See Hogue, Henry J., assignor.)
Waterbury, Roland M., Hobart, Okla. Combination weigher, screener, and sacker. 2,045,813; June 30.
Waterhouse, Harold W., assignor to Draper Corporation, Hopedale, Mass. Loom temple. 2,046,280; June 30.
Watkins, George B., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio. Apparatus for the manufacture of safety glass. 2,046,047; June 30.
Wayland, Edwin M., Covesville, Va. Washing fruit. 2,045,680; June 30.
Webber, Charles S., Springfield, and E. A. Wilson, Longmeadow, assignors to The Fiberloid Corporation, Indian Orchard, Mass. Composition. 2,046,281; June 30.
Webber, John D., Bayonne, N. J., assignor to Cemco Engineering and Manufacturing Corporation, New York, N. Y. Container opening device. 2,046,309; June 30.
Weightman, Hugh E., and N. Bosch, assignors to The Cleveland Brass Manufacturing Company, Cleveland, Ohio. Centrifugal pump. 2,046,226; June 30.
Weinert, Hellmut. (See Bingel, E., and Weinert.)
Werler, Albert K., Chicago, Ill. Apparatus for massaging and exercising the feet. 2,045,814; June 30.
Wert, Charles M., Cleveland, assignor of one-third to F. F. Petsnick, Cleveland Heights, and one-third to C. H. Dray, Lakewood, Ohio. Dual ratio mechanism for automobiles. 2,046,282; June 30.
Western Clock Company. (See Neureuther, Andrew H., assignor.)
Western Electric Company. (See Frans, Erwin E., assignor.)
Wheeler, Hobart M. (See Schwab, J. C. E., and Wheeler.)
White Cap Company. (See White, William P., assignor.)
White, Clarence B., Montclair, assignor to Raybestos-Manhattan, Inc., Passaic, N. J. Manufacture of rubber articles containing cotton fabric. 2,045,738; June 30.
White, John F., Somerville, and W. S. Wilson, Boston, assignors to Merrimac Chemical Company, Inc., Everett, Mass. Manufacture of ferric sulphate. 2,045,625; June 30.
White, John W., Detroit, Mich., assignor, by mesne assignments, to General Motors Corporation. Brake mechanism. 2,046,140; June 30.
White, Paul W., and P. Heimze, Chicago, Ill., assignors, by mesne assignments, to American Buckle Co., Inc., West Haven, Conn. Fastener. 2,045,935; June 30.
White, William P., Glencoe, assignor to White Cap Company, Chicago, Ill. Closure cap for jars. 2,046,227; June 30.
Whitney Chain & Mfg. Company, The. (See Belcher, Warren J., assignor.)
Whitney Chain & Mfg. Company, The. (See Dow, Richard F., assignor.)
Whitney Chain & Mfg. Company, The. (See Howison, Robert J., assignor.)
Wiedmann, Ernst, and J. K. Douglas, assignors to The Oilgear Company, Milwaukee, Wis. Air drain valve. 2,046,228; June 30.
Wieger, Henry F., assignor of one-half to A. Casciani, Detroit, Mich. Construction of terrazzo and like floors. 2,045,936; June 30.
Wiesjohn, Rudolph, New York, N. Y. Combined bathtub safety grip and towel rack. 2,045,815; June 30.
Wiesevich, Peter J. (See Frolich, P. K., and Wiesevich.)
Wiesevich, Peter J., Elizabeth, N. J. Refrigerator. 2,046,009; June 30.
Wiesevich, Peter J., Elizabeth, N. J., assignor to Standard Oil Development Company. Pyrolysis of acetic anhydride. 2,045,739; June 30.
Wight, Sedgwick N., assignor to General Railway Signal Company, Rochester, N. Y. Centralised traffic controlling system for railroads. 2,045,892; June 30.
Wilford, Edward B., Merion, Pa. Aircraft. 2,045,623; June 30.
Wilhelm, Karl, and E. Klotz, assignors to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany. Automatic gain control circuit. 2,046,141; June 30.
Willson, Charles C. (See Thacher, G. H., and Willson.)
Wilson, Arthur M., Cranford, and O. E. Crosby, Linden, N. J., assignors to Standard Oil Development Company. Filter press. 2,045,740; June 30.
Wilson, Elbert A. (See Webber, C. S., and Wilson.)
Wilson-Jones Company. (See Unger, Paul O., assignor.)
Wilson, William S. (See White, J. F., and Wilson.)
Winans, Charles F. (See Adkins, H., and Winans.)
Winning, Carl, and R. M. Thomas, Elizabeth, N. J., assignors to Standard Oil Development Company. Forming a plastic product from cracking coal tar. 2,045,741; June 30.

Winning, Carl, and P. L. Young, Elizabeth, N. J., assignor to Standard Oil Development Company. Producing oils of low pour point. 2,045,742; June 30.
Winterhalter, Martin, St. Gallen, Switzerland. Separable fastener slider. 2,045,628; June 30.
Witham, George S., Jr. (See Adams, F. W., and Witham.)
Witte, Emil, Dresden-Loschwitz, Germany. Colorimeter. 2,045,743; June 30.
Witty, George, Long Island City, N. Y. Insulation composition and making the same. 2,046,142; June 30.
Woda, John, Los Angeles, Calif. Rotatable rack and support. 2,046,229; June 30.
Wolf, Milton. (See Meisler, W., and Wolf.)
Wolf, S., and Company. (See Richards, Harry, assignor.)
Wolff, Alfred P., Stockton, Calif. Vending machine. 2,046,230; June 30.
Woock, Herbert J., assignor to Super Mold Corporation, Lodi, Calif. Tire mounting rim construction. 2,045,937; June 30.
Wood, Albert, Battle Creek, Mich. Gasket making apparatus. 2,045,744; June 30.
Wood Conversion Company. (See Spafford, Allen L., assignor.)
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Differential switch operating mechanism. 2,046,048; June 30.
Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
Woods, Charles J., Syracuse, N. Y., assignor to National Fireproofing Corporation, Pittsburgh, Pa. Filter tile. 2,046,298; June 30.
Wooll, John H., San Francisco, Calif. Refrigerated package. 2,045,627; June 30.
Worthington Mower Company. (See Tuttle, Arthur S., assignor.)
Wright, Harold A., Newton, assignor to A. W. Brooks, Boston, Mass., doing business under the name and style of Multisort Company. Easel. 2,046,010; June 30.
Wright, Sumner B. (See Nyquist, H., Wright, and Abraham.)
Wyant, Leroy, assignor to Associated Electric Laboratories, Inc., Chicago, Ill. Controlling mechanism for interlocked railway signals and switches. 2,046,143; June 30.
Yingling, Frank B., assignor to C. J. Fitton, Hamilton, Ohio. Supercharger system. 2,045,816; June 30.
York, Albert F., Washington, D. C., assignor to S. Sternau & Co., Inc., New York, N. Y. Solidified composition. 2,046,101; June 30.
Young, Albert N., Belle Vernon, assignor to American Window Glass Company, Pittsburgh, Pa. Apparatus for cutting glass sheets. 2,045,745; June 30.
Young, Frederick W. (See Gargan, J. O., and Young.)
Young, Philip L. (See Wissing, C., and Young.)
Youngstown Pressed Steel Company, The. (See Stanitz, Jacques, assignor.)
Zerweck, Werner, and E. Honold, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y. Condensation products of the anthraquinone series. 2,045,817; June 30.

LIST OF REISSUE INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 30TH DAY OF JUNE, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Brake mechanism, Fluid pressure operated. H. C. Bowen. 20,021; June 30.
Elevator control system. E. P. Butusov. 20,023; June 30.
Machine for knitting fabric. J. and R. H. Lawson. 20,025; June 30.
Nozzle for oil furnaces, Fuel. A. Wettstein. 20,027; June 30.
Nuts, Apparatus for treating. M. J. Kohler. 20,024; June 30.
Pump and motor, Hydraulic. H. Thoma. 20,026; June 30.
Pump construction. A. Bohnenblust. 20,019; June 30.
Tool, Cutting. F. E. Blanc. 20,020; June 30.
Wheel, Dual pneumatic. F. W. Burger. 20,022; June 30.

LIST OF DESIGN INVENTIONS

Air conditioning apparatus, Portable. W. H. Fabry. 100,209; June 30.
Apron. A. Quinn. 100,226; June 30.
Automobile. D. F. H. Fitzmaurice. 100,210; June 30.
Baker or similar article, Electric roll. W. Bellamy. 100,195; June 30.
Ball or the like, Golf. H. K. B. Davis. 100,206; June 30.
Battery, Dry cell. C. F. Burgess. 100,199; June 30.
Bicycle. J. W. Clements. 100,202; June 30.
Bicycle frame. J. W. Clements. 100,203; June 30.
Bootee. H. F. Wright. 100,241–2; June 30.
Bottle. A. I. Lorenzen. 100,217; June 30.
Bottle. J. S. Steelman. 100,230; June 30.
Bottle. J. H. Steuernagle. 100,231–2; June 30.
Bottle, Siphon. A. Towart, Jr. 100,233; June 30.
Bowl, Fish. S. J. Carnes. 100,200; June 30.
Brush, Sink. C. A. Porter. 100,225; June 30.
Cabinet or similar article, Lavatory. H. G. Coordes. 100,204–5; June 30.
Case, Brief. J. P. Wege. 100,237; June 30.
Chair, Deck. J. R. Morgan. 100,222; June 30.
Chair, Invalid. M. E. Roe and W. H. Adams. 100,248; June 30.
Container, Storage battery. J. G. Monnin. 100,219; June 30.
Cup or similar article. J. G. Allen. 100,190; June 30.
Drawer pull. R. H. Martin. 100,218; June 30.
Dress. M. Mullen. 100,224; June 30.
Escutcheon plate. G. A. Beck. 100,194; June 30.
Fabric or similar article, Textile P. Reiman. 100,246–7; June 30.
Gauge, Illuminated. H. S. Baker and J. W. Motherwell. 100,193; June 30.
Glove. E. Ardizone. 100,191; June 30.
Gun, Hot air. F. O. Albertson. 100,189; June 30.
Handlebar grip. J. R. Morgan. 100,223; June 30.
Holder, Cigar and cigarette. H. Alberg. 100,188; June 30.
Humidifier. C. G. Vretman. 100,235; June 30.
Indicator, Nonrepeating. A. R. Babcock. 100,192; June 30.
Lace. G. M. Boysen. 100,243–4; June 30.
Lace. M. Solomon. 100,249–51; June 30.
Locker or similar article, Metal. C. A. Johnson. 100,213; June 30.
Mat or similar article, Embossed hot dish. N. C. Brewer. 100,197; June 30.
Plaque or similar article. S. W. Chiles. 100,201; June 30.
Plate, Combined ornamental display and name. B. M. Solomon. 100,229; June 30.
Plate or similar article. J. T. Wigley. 100,238; June 30.
Radio speaker unit, Automobile. J. H. Little. 100,216; June 30.
Shoe. H. Sobel. 100,227–8; June 30.
Sign, Display. W. E. Joost. 100,214; June 30.
Sled. J. R. Morgan. 100,220; June 30.
Slipper. I. Berman. 100,196; June 30.
Slipper. L. E. Friedman. 100,211; June 30.
Spoon or similar article. G. L. Turner. 100,234; June 30.
Stand and brushes therefor, Combined advertising display. E. B. Wright. 100,240; June 30.
Stove, Cook. J. R. Morgan. 100,221; June 30.
Thermometer. H. B. Brown. 100,198; June 30.
Tool, Diamond. S. G. Warner. 100,236; June 30.
Toy, Figure. L. R. Adrian. 100,187; June 30.
Tread plate, Safety. J. M. Klipfel. 100,215; June 30.
Tricycle. H. H. Henry. 100,212; June 30.
Typewriting machine. M. R. Keller. 100,245; June 30.
Ventilator, Motor vehicle. E. E. Woodward and J. P. Callahan. 100,239; June 30.
Washing machine or the like. C. A. Depue. 100,207–8; June 30.

LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 30TH DAY OF JUNE, 1936

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice).

Abrasive article. T. W. Bayley. 2,046,240; June 30.
Acetaldehyde, Production of. H. Dreyfus. 2,045,841; June 30.
Acid, Purifying ricinoleic. T. H. Rider. 2,045,727; June 30.
Acid triesters of aliphatic alcohols, Production of phosphoric. M. Mugdan and J. Sixt. 2,046,031; June 30.
Acids and ammonia from gases, Removal of weak. H. Baehr. 2,045,747; June 30.
Acids and preparing them, Aminopyrene-sulphonic. M. Corell. 2,046,249; June 30.
Adhesive and manufacture thereof. W. L. Jones. 2,045,988; June 30.
Adhesives and products derived therefrom. H. M. Bunbury, R. B. F. F. Clarke, and W. J. R. Evans. 2,046,015; June 30.
Acid esters, Hydroxy carboxylic. H. L. Cox and T. F. Carruthers. 2,046,150; June 30.
Acid, Producing concentrated nitric. S. L. Handforth and J. N. Tilley. 2,046,162; June 30.
Advertising device. W. W. Miller. 2,045,864; June 30.
Advertising display device. B. F. Cullison. 2,045,898; June 30.
Advertising display device. G. L. Phillips. 2,045,675; June 30.
Aerial system, Directional. E. Green. 2,045,987; June 30.
Agitator, Barrel. F. H. Haywood. 2,045,710; June 30.
Agricultural implement. W. W. Austin. 2,046,234; June 30.
Air and fuel chamber for engine starters. C. F. Heywood. 2,046,074; June 30.
Air conditioning device. V. Christoffersen. 2,045,698; June 30.
Aircraft. E. B. Wilford. 2,045,623; June 30.
Air, Distributing. A. E. Stacey, Jr., and C. E. Ernst. 2,046,215; June 30.
Air drain valve. E. Wiedmann and J. K. Douglas. 2,046,228; June 30.
Air filter means. A. E. Schaaf and G. M. Walton. 2,046,093; June 30.
Air from receptacles containing carbonated beverages, Method and apparatus for liberating. H. H. Fisher. 2,046,256; June 30.
Airplane control surfaces, Means to assist movement of. E. Dormoy. 2,045,688; June 30.
Alkyl sulphate esters, Hydrolysis of. N. A. Sargent. 2,045,616; June 30.
Alloys, Manufacturing beryllium. H. C. Claflin and J. B. Arnold. 2,046,148; June 30.
Amines, Catalytic synthesis of. H. Adkins and C. E. Winans. 2,045,574; June 30.
Anesthetics, Device for administering volatile liquid. J. J. Benner. 2,046,300; June 30.
Anhydrides of lower fatty acids, Producing. R. Müller, H. Hatzig, and E. Rabald. 2,045,718; June 30.
Antifrictional bearing. C. M. Townsend. 2,045,933; June 30.
Apparatus for massaging and exercising the feet. A. K. Werler. 2,045,814; June 30.
Arc length indicator. W. Riehter. 2,045,800; June 30.
Arc welding apparatus. A. L. Guest. 2,046,117; June 30.
Artificial legs, Knee joint for. G. Greissinger. 2,046,069; June 30.
Artillery wheel, Composite. C. L. Eksergian. 2,045,902; June 30.
Ash receiver. R. F. De Boer. 2,046,107; June 30.
Asphaltic products, Manufacturing. C. P. McNeil. 2,046,081; June 30.
Atomizer. M. G. Andersen. 2,046,282; June 30.
Auger, Rock and coal. D. R. Richardson. 2,045,725; June 30.
Automobile. E. T. Turner. 2,046,042; June 30.
Automobile door hinge. E. B. G. Lefevre. 2,045,955; June 30.
Automobile heating and defrosting apparatus. C. J. Benoiken. 2,045,826; June 30.
Bag. C. V. Brady. 2,046,146; June 30.
Bag and making the same, Valve. T. E. Coty. 2,046,585; June 30.
Bag frame. F. W. Goerdes. 2,045,642; June 30.
Bag frame. W. C. Hiering. 2,045,650; June 30.
Bag opening machine. I. Shafer. 2,045,678; June 30.
Band, Brake and clutch. M. L. Fykse. 2,046,306; June 30.
Banking device for vehicles. J. Adaskin. 2,045,562; June 30.
Base for the game of baseball. H. B. Latina. 2,046,126; June 30.
Bathtub. R. Mueller. 2,045,867; June 30.
Bathtub safety grip and towel rack, Combined. R. Wiesjahn. 2,045,815; June 30.
Battery box and making same. L. W. Hottel. 2,045,950; June 30.
Battery terminal. O. O. Emery. 2,045,590; June 30.
Beacon, Radio. J. M. Furnival and W. F. Bubb. 2,045,904; June 30.
Bearing: *See*—
Antifrictional bearing.
Bed wetting, Device to prevent. C. L. McClellan. 2,046,080; June 30.
Belt, Link. H. H. Harris. 2,045,646; June 30.
Beverages, Apparatus for dispensing. F. W. Müller. 2,046,032; June 30.
Bill feed attachment. W. P. Scharr. 2,046,001; June 30.
Binder, Loose leaf. P. O. Unger. 2,046,007; June 30.
Bit lock. A. L. Lee. 2,046,026; June 30.
Blasting charge. J. Taylor. 2,046,194; June 30.
Block: *See*—
Bit block.
Blotter, Mailable. G. C. Domke. 2,045,944; June 30.
Blowtorch. D. A. Lenk. 2,045,956; June 30.
Boat, Reenforced. G. E. Robinson. 2,045,998; June 30.
Boat, Skim. E. C. Hansen. 2,045,645; June 30.
Boiler: *See*—
Heating boiler.
Boiler having steam superheater interchangeable to feed preheater, Water tube. M. Ikeda. 2,045,914; June 30.
Book and binding strip therefor. H. C. Davis, I. A. Grabmeyer, and A. G. Van Loozen. 2,046,151; June 30.
Bookbinding machine. R. B. M. Taylor. 2,046,278; June 30.
Book or sheet holder. E. T. Ryang. 2,046,134; June 30.
Boots and shoes, Method of and machine for use in manufacturing. A. E. C. Hall, A. C. Eek, and E. F. Huhn. 2,045,595; June 30.
Bottle stopper lock. F. E. Vanderhoof. 2,046,224; June 30.
Box: *See*—
Loom shuttle-box.
Bracelet. C. L. MacIntosh. 2,046,079; June 30.
Bracket. G. Burlein. 2,045,751; June 30.
Brake mechanism. V. Bendix. 2,046,053; June 30.
Brake mechanism. J. W. White. 2,046,140; June 30.
Brake mechanism, Vehicle. E. Frankland. 2,045,593; June 30.
Brake operating mechanism. M. Tibbetts. 2,045,886; June 30.
Brake shoes, Setting. C. D. Stromgren. 2,045,882; June 30.
Brassière. I. Pilot. 2,045,871; June 30.
Bread slicing machine. H. J. Criner. 2,045,838; June 30.
Breathing apparatus. K. A. Gerson. 2,045,907; June 30.
Brick, Mechanically simulating handmade. J. R. Clark. 2,046,245; June 30.
Buffing and polishing wheel. N. C. Hunt. 2,046,122; June 30.
Bullet. B. G. Childs. 2,045,833; June 30.
Burner: *See*—
Gas burner.
Cabinet. F. H. Thompson. 2,046,222; June 30.
Cabinet, Paper towel. J. Antone. 2,045,820; June 30.
Cabinet, Service. A. A. H. and M. A. L. Uhalt. 2,045,890; June 30.
Cabinet, Towel. J. N. Borroughs. 2,045,828; June 30.
Cable clip. H. P. Chandler. 2,046,247; June 30.
Calculating apparatus. A. F. Spitzglass and O. T. Handwerk. 2,045,621; June 30.
Calendar, Savings. H. J. Jepsen and K. C. Nielsen. 2,046,167; June 30.
Can: *See*—
Tobacco can.
Can. W. L. Hovey. 2,045,855; June 30.
Cap for jars, Closure. W. P. White. 2,046,227; June 30.
Cap remover, Bottle. J. A. Lenhoff. 2,046,173; June 30.
Carbon dioxide, Apparatus for producing solid. J. C. Goosmann. 2,046,260; June 30.
Carbonaceous materials of high boiling point range, Conversion of liquid. M. Pier. 2,045,794; June 30.
Card table. G. H. Thacher and C. C. Willson. 2,045,931; June 30.
Carding and sliver forming mechanism for mixed fibers. C. Holdsworth. 2,045,911; June 30.
Carrier mechanism. A. S. Tuttle. 2,045,889; June 30.
Case: *See*—
Certified milk case.
Casement latching device. W. H. Creber. 2,045,837; June 30.
Casing projectile. O. Rinkel. 2,045,964; June 30.

Caster control mechanism for movable trucks and the like. J. Bowen. 2,046,105; June 30.
Castings, Method of and apparatus for treating metal. R. W. Bedilion. 2,045,576; June 30.
Catalyst, Vanadium. L. E. Jenks. 2,046,166; June 30.
Catalytic hydrogenation of aromatic aldehydes. W. J. Amend. 2,046,011; June 30.
Catalyzer, Pertused. E. A. Colby. 2,045,682; June 30.
Cavitation control means for blade periphery. L. F. Moody. 2,045,918; June 30.
Cellulose acetate, Redning. J. Alfthan. 2,045,628; June 30.
Cellulose derivative solutions and making the same. A. S. Levesley and J. Craik. 2,046,174; June 30.
Cellulosive derivative compositions. J. K. Hunt and G. H. Latham. 2,046,165; June 30.
Centrifugal pump. H. E. Weightman and N. Roach. 2,046,226; June 30.
Certified milk case. E. M. Pennock and L. Hale. 2,046,033; June 30.
Chain: *See*—
Conveyer chain. Cutter chain.
Chain links, Mechanism for welding. J. H. Powell and G. C. Staats. 2,046,131; June 30.
Chemical process. B. B. Flint. 2,046,257; June 30.
Chuck with conical head, Split. A. Bechler. 2,046,052; June 30.
Circuit, Automatic gain control. K. Wilhelm and E. Klotz. 2,046,141; June 30.
Circuit closer for electric hand lanterns. R. L. Darling. 2,045,636; June 30.
Circuit, Electrical control. H. H. Geffcken and H. R. Richter. 2,045,769; June 30.
Clamp: *See*—
Wire clamp.
Cleaner: *See*—
Tube cleaner. Vacuum cleaner.
Cleaning and massage device for dental purposes. L. H. Blanchard. 2,045,939; June 30.
Cleaning and polishing pad for disks. W. Elliott. 2,045,762; June 30.
Clip: *See*—
Cable clip.
Clock and light, Combined alarm. T. A. Purvis. 2,045,798; June 30.
Closures, Apparatus for manufacturing metal. B. J. Huntsman. 2,045,602; June 30.
Cloth and manufacturing same, Stitched. B. Bratman. 2,045,630; June 30.
Clothes washer mechanism. W. A. Frantz and J. J. McCabe. 2,046,258; June 30.
Clutch operator for windshield wipers. C. J. Lauer. 2,046,171; June 30.
Coat front pad. D. Bersin. 2,045,827; June 30.
Coating composition. E. W. Gardner, H. Roden, and D. H. Felder. 2,045,906; June 30.
Coating composition. P. Theel. 2,045,932; June 30.
Coating machine. W. L. MacKenzie. 2,045,715; June 30.
Coding and decoding, Apparatus for. M. C. M. O'Brien. 2,046,276; June 30.
Coffee beans, Treating. W. F. Hoffman. 2,045,854; June 30.
Coffee for roasting, Method for preparing green. F. Falla. 2,045,501; June 30.
Coffee, Preparing. H. C. Gore, Q. Landis, and C. N. Frey. 2,046,158; June 30.
Coin selector and rejector. C. B. Brooks. 2,045,976; June 30.
Color attachment for printing presses, Two. J. B. Street and O. E. Simon. 2,046,218; June 30.
Color harmony testing means. C. A. MacFarlane. 2,045,990; June 30.
Colorimeter. E. Witte. 2,045,743; June 30.
Compartment for refrigerator doors, Auxiliary. A. S. Shafer. 2,045,879; June 30.
Composite cutting and threading tool. M. Spitz. 2,046,041; June 30.
Composition. C. S. Webber and E. A. Wilson. 2,046,281; June 30.
Compound from admixing sodium morrhuate and quinine solutions, Method and resulting. F. H. Greenbaum. 2,046,116; June 30.
Concrete and ceramic aggregate therefor, Light weight. C. K. Harding. 2,046,071; June 30.
Condensation products of the anthraquinone series. W. Zerweck and E. Honold. 2,045,817; June 30.
Confection and forming and dispensing, Frozen. G. W. Schepman and W. W. Merydith. 2,045,730; June 30.
Connecter: *See*—
Pipe connecter.
Connection, Hose. R. J. Anschicks. 2,045,975; June 30.
Contact masses, Apparatus for. E. J. Houdry and R. H. Hammell. 2,045,600; June 30.
Container: *See*—
License plate container.
Container of asphaltic and oily materials, Freeing a. A. B. Butterworth. 2,045,752; June 30.
Container opening device. J. D. Webber. 2,046,309; June 30.
Containers, Method and apparatus for surface treating glass. U. E. Bowes. 2,046,302; June 30.
Control for oil burners or similar apparatus. C. M. Stroud. 2,045,883; June 30.
Control means, Automatic. W. S. Brubaker and A. J. Saarinen. 2,046,304; June 30.
Control mechanism. R. S. Austin. 2,045,821; June 30.
Control system for classification yards. N. C. L. Brown. 2,045,685; June 30.
Controlling mechanism for interlocked railway signals and switches. L. Wyant. 2,046,143; June 30.
Conveyer chain. E. J. Howison. 2,045,912; June 30.
Conveyer for baking ovens. K. D. Loose. 2,045,957; June 30.
Conveying attachment for paper cutters. J. C. Penwell. 2,045,721; June 30.
Cooking apparatus, Electric. R. H. Park. 2,045,673; June 30.
Core drilling apparatus. J. F. Boseman. 2,046,106; June 30.
Costumed figure. H. B. Brundage. 2,045,830; June 30.
Cot and making the same, Cork. W. B. Tucker. 2,046,138; June 30.
Coupling: *See*—
Expansion ring hose coupling. Hydraulic disengaging coupling.
Coupling. W. O. Thomas. 2,046,221; June 30.
Coupling system, High frequency. D. E. Harnett 2,045,910; June 30.
Cover: *See*—
Spool cover.
Cowl fastener. L. Cook. 2,045,583; June 30.
Crate construction, Bottle. E. M. Pennock and L. Hale. 2,046,034; June 30.
Creasing and stretching device for trousers. J. D. Daniel. 2,045,943; June 30.
Crusher, Coal. W. J. Armstrong. 2,045,686; June 30.
Cup: *See*— Electrically heated cup.
Drinking cup.
Cushion wheel. M. T. O'Neill. 2,046,205; June 30.
Cutter and cultivator assembly, Combined weed. M. E. Rutherford, S. J. Ousley, and M. C. Rankin. 2,046,211; June 30.
Cutter chain. A. L. Lee. 2,046,023–4; June 30.
Cutting machine. J. P. Crowley. 2,045,586; June 30.
Cutting machine. J. I. Jenkins. 2,046,076; June 30.
Cylinder for jacquard looms, Pattern card. H. V. Foster. 2,045,946; June 30.
Cylinder mounting for rotary printing presses, Change form. W. K. Eckhard. 2,045,981; June 30.
Davit, Boat. W. C. Dean. 2,045,587; June 30.
Depressant of high strength and preparing same, Four point. R. G. Sloane. 2,045,806; June 30.
Detergent, Sodium silicate. F. D. Snell and H. V. Moss. 2,046,192; June 30.
Device for cleaning out the overflow passages of wash basins. F. Solari. 2,045,731–2; June 30.
Die-head, Adjustable. A. F. Breitenstein. 2,046,014; June 30.
Differential pressure gauge. R. K. Day. 2,045,701; June 30.
Dispenser: *See*—
Liquid dispenser.
Dispenser. P. A. Reutter. 2,045,926; June 30.
Display device. C. V. Clegg. 2,045,897; June 30.
Display device, Changeable. W. I. Smith. 2,045,619; June 30.
Display stand. H. T. Reynolds. 2,045,614; June 30.
Doll. W. C. Rastetter. 2,045,962; June 30.
Door and operating mechanism therefor, Furnace. L. S. Longenecker. 2,045,662; June 30.
Door for metallurgical furnaces. L. S. Longenecker. 2,045,661; June 30.
Door operator. J. E. W. Fogal. 2,045,765; June 30.
Drawing mechanism for textile rovings. F. Casablancas. 2,045,697; June 30.
Drill: *See*—
Rock drill.
Drill head, Multispindle. H. W. Rupple. 2,045,891; June 30.
Drinking cup, Paper. R. L. Allison. 2,045,746; June 30.
Drugs and the like, Apparatus for extracting. H. Breddin. 2,046,055; June 30.
Dye jig, Oscillating. S. B. Roberts. 2,045,874; June 30.
Dyestuffs derived from acenanthrenequinone and preparing them, Vat. W. Eckert and H. Sieber. 2,046,254; June 30.
Dynamo-electric machine. V. E. Carbonara. 2,045,831; June 30.
Easel. H. A. Wright. 2,046,010; June 30.
Edge grinding machine. J. P. Crowley. 2,046,060; June 30.
Egg packing machine. F. G. Funk. 2,045,767; June 30.
Electric appliance. M. W. McArdle. 2,046,200; June 30.
Electric discharge device. J. O. Gargan and F. W. Young. 2,046,020; June 30.
Electric furnace. W. E. Moore. 2,046,085; June 30.
Electric heating installation. W. von Sauer. 2,046,008; June 30.
Electric light source. G. Sperti. 2,046,096; June 30.
Electric meter. F. Holmes. 2,046,307; June 30.
Electrical current conductor. E. W. Bremer. 2,046,056; June 30.
Electrical heater. R. Audain. 2,046,233; June 30.
Electrical measuring. I. M. Stein. 2,045,970; June 30.
Electrical rectifier. P. H. Dowling. 2,046,153; June 30.
Electrical terminal connection. C. C. Abbott. 2,046,102; June 30.
Electrical uses, Apparatus for. E. E. Franz. 2,045,985; June 30.

Electrically heated cup. H. E. Lacy. 2,046,125; June 30.
Electron discharge device. E. Lopp. 2,045,663; June 30.
Electron tube. G. Jobst and H. Rothe. 2,045,656; June 30.
Electron tube and circuit therefor. H. F. Elliott. 2,045,982; June 30.
Electron tube cooling system. N. E. Lindenblad. 2,045,659; June 30.
Enamel to can ends, Applying a protective. A. L. Kronquest. 2,046,197; June 30.
Enclosure for flexible connections. W. J. Belcher. 2,045,565; June 30.
Engine: *See*—
Fuel-injection compression-ignition engine. Internal combustion engine.
Engine. P. L. Scott. 2,046,003; June 30.
Ethers to alcohols, Converting. W. K. Lewis. 2,045,785; June 30.
Expander device. J. Pountnay. 2,046,087; June 30.
Expander for pistons. T. J. Allen. 2,045,819; June 30.
Expansion ring hose coupling. H. W. Goodall. 2,046,114; June 30.
Extractor apparatus. E. R. Gould. 2,045,986; June 30.
Extracts, Preparing meat and fish. K. Hatta. 2,045,949; June 30.
Eyeglasses. H. Higham. 2,046,021; June 30.
Fabric article, Multi-ply. F. R. Redman. 2,045,963; June 30.
Fabrics, Making knitted. L. B. Holt. 2,045,776; June 30.
Fabrics, Treating. S. Cohn. 2,045,755; June 30.
Fastener: *See*—
Cowl fastener.
Fastener. P. W. White and P. Heinse. 2,045,935; June 30.
Fastener slider, Separable. M. Winterhalter. 2,045,626; June 30.
Fasteners, Apparatus and method for assembling separable interlocking. G. Sundback. 2,045,884; June 30.
Faucet. C. J. Muend. 2,046,030; June 30.
Feeder: *See*—
Material feeder.
Feeler tip for weft detectors. O. V. Payne. 2,045,900; June 30.
Fence post. F. J. Gzemba. 2,046,250; June 30.
Ferrous bodies with other metals, Coating. A. O. Rodrigues. 2,046,036; June 30.
Ferrous bodies with other metals, Coating. A. O. Rodrigues. 2,046,037; June 30.
Fibrous sheets, Treatment of. Q. L. Quinlivan. 2,045,676; June 30.
Film loop control for motion picture machines. P. J. Berggren. 2,045,748; June 30.
Filter: *See*—
Wave filter.
Filter press. A. M. Wilson and O. E. Crosby. 2,045,740; June 30.
Fire-hose support. O. Ruehmann. 2,045,966; June 30.
Fires, Extinguishing oil well. J. N. Hasse. 2,045,772; June 30.
Fish lure. C. W. Du Bois. 2,045,703; June 30.
Fixture support. D. G. Saaf. 2,046,184; June 30.
Flap for aircraft, Trimming and balancing. E. J. Minshall and R. L. Cram. 2,045,667; June 30.
Floors, Construction of terrazo and like. H. F. Wieger. 2,045,936; June 30.
Fluid flow indicator for steam traps. G. F. Gerdts. 2,046,113; June 30.
Fluid motor. E. H. Carr. 2,045,945; June 30.
Fluids and gases, Apparatus for handling. M. A. S. Lavigne. 2,045,862; June 30.
Flush valve. W. E. Sloan. 2,046,004; June 30.
Folding receptacle. H. C. Bates. 2,045,575; June 30.
Food product and making the same. W. P. Kesel. 2,045,782; June 30.
Form for casting hollow concrete walls, Elevating. J. T. McDowell. 2,045,789; June 30.
Form for use in fabricating motor valves. G. R. Rich. 2,045,799; June 30.
Frame: *See*—
Big frame.
Fruit jar wrench. O. Kielman. 2,046,269; June 30.
Fruit, Washing. E. M. Wayland. 2,045,680; June 30.
Fuel combustion apparatus, Liquid. G. E. Bjorklund. 2,045,895; June 30.
Fuel for high pressure liquid fuel injection engines. G. M. Maverick. 2,045,788; June 30.
Fuel-injection compression-ignition engine. E. V. Jung. 2,045,858; June 30.
Fuel, Motor. H. E. Buc. 2,046,243; June 30.
Fuel, Producing solidified. A. B. Ray. 2,046,209; June 30.
Fumigating cap. W. C. Purdy. 2,046,132; June 30.
Furnace: *See*—
Electric furnace. Mineral wool furnace.
Heating furnace. Open hearth furnace.
Furnace construction. O. F. Gottlieb. 2,046,115; June 30.
Gain control receiver, Automatic. G. Anders. 2,046,144; June 30.
Garden flat. F. J. Ball. 2,046,236; June 30.
Garden implement. J. B. Ronstadt. 2,045,728; June 30.
Garment hanger. H. S. Geer. 2,045,848; June 30.
Gas burner. W. A. Beckett. 2,045,692; June 30.
Gas meter. W. W. Gardner. 2,045,641; June 30.
Gas transportation line, Method of and apparatus for controlling operation of a. A. J. Diescher. 2,045,760; June 30.
Gasket making apparatus. A. Wood. 2,045,744; June 30.
Gates for hoppers, Associated. E. W. Schellentrager. 2,046,040; June 30.
Gauge: *See*—
Differential pressure gauge.
Gauge and marker, Surface. J. R. Benson. 2,045,563; June 30.
Gear: *See*—
Steering gear.
Gib for noiseless elevators, Compensating. W. Spullies. 2,045,620; June 30.
Glass, Apparatus for the manufacture of safety. G. B. Watkins. 2,046,047; June 30.
Glass articles, Apparatus for casting large. G. V. McCauley. 2,045,716; June 30.
Glass articles, Process and machine for forming. A. N. Cramer. 2,045,699; June 30.
Glass banding machine. J. C. E. Schwab and H. M. Wheeler. 2,045,876; June 30.
Glass banding machine. I. H. Strider. 2,045,881; June 30.
Glass feeding apparatus. A. F. Tremblay. 2,046,195; June 30.
Glass inspection apparatus. E. L. Walters. 2,046,045; June 30.
Glass plates, Process and apparatus for annealing. F. E. Slocombe. 2,045,880; June 30.
Glass sheets, Apparatus for cutting. A. N. Young. 2,045,745; June 30.
Gluing machine. W. A. Saatman. 2,046,185; June 30.
Governor. E. J. Giara. 2,045,706; June 30.
Grade indicator. J. W. Cavender. 2,045,631; June 30.
Granular material, Producing. E. H. Nichols. 2,046,295; June 30.
Granular or pulverulent material, Apparatus for delivering predetermined quantities of. J. F. Tanner. 2,046,220; June 20.
Gravity flow wet end paper making machine, Two-stage. G. T. Lane and W. Butterfield. 2,046,270; June 30.
Grinding apparatus. C. J. Green. 2,046,261; June 30.
Grinding machine. G. W. Binns. 2,045,894; June 30.
Grip for golf clubs and applying the same. A. R. Smith. 2,046,191; June 30.
Ground working machine. J. Washington. 2,046,046; June 30.
Guard, Foot. A. A. Strauss. 2,046,217; June 30.
Guard for flare suspension means. J. M. King. 2,045,665; June 30.
Guard railing for children's sleds or wagons, Adjustable. F. Hornquist. 2,045,712; June 30.
Hammer mill with equalized separating means. W. J. Clement. 2,045,582; June 30.
Handbag. W. C. Hiering. 2,045,649; June 30.
Handle grip. P. Herkner. 2,046,164; June 30.
Hanger: *See*—
Garment hanger.
Halogenating compounds and product resulting therefrom. C. F. Reed. 2,046,090; June 30.
Harness, Expansion twine. I. Andrews. 2,045,683; June 30.
Harvesting and threshing machine, Combined. R. M. Darden. 2,045,839; June 30.
Hasp-keeper. W. H. Marshall. 2,046,078; June 30.
Hay loader. C. E. Everett. 2,045,763; June 30.
Heat exchange apparatus. J. Karmazin. 2,045,657; June 30.
Heat treatment of chromium allow steels. F. M. Becket and R. Franks. 2,046,012; June 30.
Heater: *See*—
Electrical heater.
Heater control, Unit. J. T. Midyette, Jr. 2,045,790; June 30.
Heating boiler. Steam and hot water. D. Conekin. 2,046,248; June 30.
Heating furnace. J. P. Havey. 2,045,773; June 30.
Heating unit. H. N. Baruch, O. T. Amory, and O. A. Bloxom. 2,046,051; June 30.
Heddle, Twine. I. Andrews. 2,045,684; June 30.
Heel construction for cushion shoes. J. H. Everston. 2,045,844; June 30.
Hemstitching, Reenforced. H. Swink and P. W. Douglas. 2,045,844; June 30.
High frequency system. N. P. Case. 2,045,569; June 30.
Hinge: *See*—
Automobile door hinge.
Hoist for semitrailers. H. W. Helms. 2,045,647; June 30.
Holder: *See*—
Book or sheet holder. Suction holder.
Holder for catheters, Permanent. F. Schmidt. 2,046,094; June 30.
Homogeniser. B. Trudel and O. Michauel. 2,046,223; June 30.
Hormone compounds, Production of. W. Dirscherl. 2,045,702; June 30.
Horseshoe, Pitching. M. Flick. 2,045,845; June 30.
Housing for rolling mills. J. Gassen. 2,045,768; June 30.
Humidification. J. W. Mitchell. 2,045,717; June 30.
Humidifier. L. W. Hoyt. 2,045,653; June 30.
Hydraulic disengaging coupling. H. Rösle and E. Seibold. 2,045,615; June 30.

Hydrocarbons of low boiling point, Production of. M. Pier, F. Ringer, and W. Simon. 2,045,795; June 30.
Hydrogen, Apparatus for producing. H. D. Carter. 2,045,832; June 30.
Illuminating device, Unitary. C. H. Braselton. 2,046,285; June 30.
Illumination meter. E. Presser. 2,045,797; June 30.
Implement, Agricultural. F. T. Court. 2,045,633; June 30.
Indicator: *See*—
Arc length indicator. Voltage indicator.
Grade indicator. Wind indicator.
Inductive device for detecting the passage of railway vehicles. W. H. Reichard. 2,045,923; June 30.
Ink eradicator attachment for fountain pens. L. T. Hughes. 2,046,022; June 30.
Insecticide and fungicide. T. P. Remy. 2,045,925; June 30.
Insecticide and fungicide. T. P. Remy. 2,046,181; June 30.
Insulation composition and making the same. G. Witty. 2,046,142; June 30.
Insulation structure. A. L. Spofford. 2,045,733; June 30.
Interlocking system for railroads. O. H. Dicke. 2,045,900; June 30.
Internal combustion engine. L. D. Boyce. 2,045,829; June 30.
Internal combustion engine. K. J. E. Hesselman. 2,046,263; June 30.
Internal combustion engine. K. J. E. Hesselman and T. V. Dilisträm. 2,046,264; June 30.
Internal combustion engine. F. J. Holmes. 2,045,599; June 30.
Internal combustion engine. D. H. Munro. 2,045,719; June 30.
Internal combustion engine. C. R. Paton. 2,045,870; June 30.
Iron or steel by the direct method, Production of molten. F. Eulenstein and A. Krus. 2,045,639; June 30.
Iron, Oxidation of. A. L. Smyly. 2,045,807; June 30.
Iron oxide, Manufacture of. A. L. Smyly. 2,045,808; June 30.
Jack: *See*—
Pumping jack.
Joint and filler bridge, Expansion. R. R. Robertson. 2,046,182; June 30.
Juice from pineapple meat, Extracting. S. T. Hoyt and R. M. Botley. 2,045,856; June 30.
Ketone condensation products. H. R. Arnold. 2,046,145; June 30.
Keyboard mechanism. E. L. Reller. 2,045,873; June 30.
Kiln, Tunnel. C. H. Parmelee. 2,045,920; June 30.
Kit, First aid. H. E. Muse. 2,046,086; June 30.
Knitting machine and method of knitting, Circular. P. A. Bentley, F. E. Deans, C. F. Manger, and C. H. Wainwright. 2,045,938; June 30.
Knitting mechanism. S. R. Shelmire. 2,045,617; June 30.
Labeling machine. J. F. Schenck, Jr., and R. W. Patterson. 2,046,212; June 30.
Laboratory apparatus. H. Morrison. 2,045,866; June 30.
Latch. H. M. Foster. 2,045,846; June 30.
Latch for heddle frames. J. Walker, Jr. 2,046,099; June 30.
Latch for heddle frames. J. Walker, Jr. 2,046,100; June 30.
Leather with artificial grain and making same, Ornamented. G. D. Sart. 2,046,000; June 30.
Leg, Artificial. T. O. Carroll. 2,045,580; June 30.
Lens blank and lens and making the same, Multifocal ophthalmic. D. D. Hubbell. 2,045,654; June 30.
Level control for aircraft, Automatic. B. G. Carlson. 2,045,579; June 30.
License plate container, Illuminated locked. J. C. Marsala. 2,045,863; June 30.
Lifeboat launching apparatus. J. L. Hyland. 2,045,603–4; June 30.
Lighter, Cigarette. I. Florman. 2,046,066; June 30.
Lining, Hot top. W. W. Urmetz. 2,046,043; June 30.
Link, Crawler wheel. A. P. Armington. 2,046,299; June 30.
Liquid dispenser. H. G. Edwards. 2,045,589; June 30.
Liquids, semifluids, and pulps containing finely divided particles of matter, Settling and clarifying. A. J. Elian. 2,046,110; June 30.
Lithographic offset press. J. Schultz. 2,046,189; June 30.
Loading and unloading device, Truck and trailer. R. H. Berg. 2,045,586; June 30.
Loading machine. F. Cartlidge. 2,046,016; June 30.
Lock: *See*—
Bottle stopper lock. Pivot arm lock.
Locker, Mine tool. W. S. Carner. 2,046,244; June 30.
Locking device for milk bottles. C. E. Valentine. 2,045,934; June 30.
Locking device for safety purposes. S. Futran. 2,045,905; June 30.
Loom. H. H. Burton. 2,045,978; June 30.
Loom picker. T. K. Rea. 2,045,724; June 30.
Loom shuttle box. J. B. Jackson. 2,046,292; June 30.
Loom temple. F. E. Douglas. 2,046,289; June 30.
Loom temple. H. W. Waterhouse. 2,046,280; June 30.
Luminous tube sign. E. A. Viesing. 2,046,044; June 30.
Machine element. A. B. Kinzel and W. Crafts. 2,046,168; June 30.
Machine for attaching snap fasteners. D. Silberman. 2,045,805; June 30.
Machine for removing tread from tire casings. W. H. Huntley and L. B. Medlin. 2,045,778; June 30.
Machine for use in the manufacture of shoes. O. L. Lawson. 2,045,714; June 30.
Machine for wrapping sweets and the like. F. Grover. 2,046,262; June 30.
Machine tool. E. D. Vancil and F. S. Haas. 2,045,737; June 30.
Manicure appliance. A. Hunter. 2,046,002; June 30.
Manometer. R. W. Cretney. 2,045,635; June 30.
Manual and record controlled machine. A. W. Mills. 2,046,082; June 30.
Margin-coating method and apparatus. F. J. MacDonald. 2,046,199; June 30.
Mat, Rest. H. Leve. 2,045,784; June 30.
Material feeder. J. J. Hartwell. 2,045,709; June 30.
Material under water, Apparatus for depositing. E. L. Harrington. 2,046,120; June 30.
Materials, Device for measuring. A. W. Gray. 2,046,068; June 30.
Measuring instruments, Apparatus for balancing. J. F. Schock. 2,045,677; June 30.
Mechanism for selecting pages and turning leaves of a book. M. Rosenthal, R. D. Delamere, and H. M. Rutter. 2,045,804; June 30.
Mensometer. F. E. Bardrof. 2,046,239; June 30.
Mercaptan conversion. P. K. Frolish and P. J. Wiezevich. 2,045,786; June 30.
Mercury switch relay. C. H. Larson. 2,046,273; June 30.
Mercury switch relay. C. H. Larson and D. J. McCarthy. 2,046,272; June 30.
Metal, Casting light. J. E. Hoy and L. Brown. 2,045,913; June 30.
Metal, Coated. L. P. Curtin and J. M. Payne. 2,046,061; June 30.
Metal pot for matrix composing and line casting machines. C. A. Albrecht. 2,045,681; June 30.
Metal rectifier. T. J. Henry and J. Hirmann. 2,045,648; June 30.
Metals, Apparatus for extruding. C. C. Jacobson. 2,045,655; June 30.
Meter: *See*—
Electric meter. Illumination meter.
Gas meter.
Methyl amines, Separation of. L. C. Swallen. 2,045,929; June 30.
Mineral wool furnace. T. F. Mooney. 2,045,668; June 30.
Mixer: *See*—
Rotary mixer.
Modulation. G. L. Usselman. 2,045,973; June 30.
Mold form for circular concrete walls. W. A. Jennings. 2,046,123; June 30.
Molding, Shelf. L. Hopp. 2,046,121; June 30.
Motor: *See*—
Fluid motor. Synchronous motor.
Small electric motor.
Motor with disk-wound stator and rotor, Induction. J. W. Swendsen. 2,045,734; June 30.
Mounting, Bearing. J. L. Brusca. 2,045,896; June 30.
Mounting, Ophthalmic. H. F. Keller. 2,046,268; June 30.
Mounting, Ophthalmic. L. C. Martin. 2,045,916; June 30.
Mounting, Switch or outlet box. R. E. Habel. 2,045,594; June 30.
Mouthpiece. F. C. Kauffmann. 2,045,658; June 30.
Mouthpiece. W. T. Parkin. 2,045,674; June 30.
Mower, Lawn. G. Hunter. 2,045,857; June 30.
Muffler. W. E. Spicer. 2,046,193; June 30.
Muffler for aircraft. F. P. Davis. 2,046,252; June 30.
Multipilot controlled valve. H. A. Mantz. 2,045,664; June 30.
Multiple tool woodworking machine. J. A. Hirtz, Sr. 2,045,853; June 30.
Music, Method and apparatus for the production of. B. F. Miessner. 2,045,917; June 30.
Musical instrument. M. L. Severy. 2,045,877–8; June 30.
Necktie. W. H. Ve Relle. 2,045,679; June 30.
Noise suppression system for telephone lines. E. Aubort. 2,046,050; June 30.
Nuts, Apparatus for making. H. J. Hogue. 2,046,075; June 30.
Oil heating apparatus. G. M. and L. R. Vance. 2,046,098; June 30.
Oil, Manufacture of lubricating. E. F. Pevere. 2,045,922; June 30.
Oil, Refining. S. E. Campbell. 2,045,696; June 30.
Oil treatment, Hydrocarbon. S. W. Ferris. 2,046,064; June 30.
Oils of low pour point, Producing. C. Winning and P. L. Young. 2,045,742; June 30.
Oils, Refining of. E. J. Martin. 2,046,177; June 30.
Oils, Treatment of hydrocarbon. S. W. Ferris. 2,046,063; June 30.
Oiling system. N. M. Rosendahl. 2,046,092; June 30.
Olefines, Hydration of. H. Dreyfus. 2,045,842; June 30.

Open hearth furnace. K. von der Lahr. 2,046,279; June 30.
Operator for railway traffic controlling devices, Emergency. H. B. Taylor. 2,045,930; June 30.
Ophthalmic instrument. C. E. and G. R. Ferree. 2,045,704; June 30.
Optical projection apparatus. G. H. Miles. 2,046,202; June 30.
Ores, Apparatus for the treatment of. C. F. Parraga. 2,045,919; June 30.
Organic compounds, Manufacture of oxygenated. H. Dreyfus. 2,045,843; June 30.
Oxygen of high purity, Apparatus for producing. G. J. Boshkoff. 2,046,284; June 30.
Package. B. A. E. Johnson. 2,046,077; June 30.
Package, Refrigerated. J. H. Woodl. 2,045,627; June 30.
Packing for movable dam structures. T. Becher. 2,045,824–5; June 30.
Packing terminal for fruit sorting machines. W. A. Trescott. 2,045,887; June 30.
Pad: *See*—
Coat front pad.
Pads or sheets composed of fibers of kapok or the like materials, Manufacture of. C. N. Mims. 2,046,083; June 30.
Paint. A. G. Rodwell. 2,046,091; June 30.
Paint, Acoustical. C. K. Roos, J. S. Offutt, and H. A. Scholz. 2,046,296; June 30.
Paper making machines, Controlled leak for. G. T. Lane and W. Butterfield. 2,046,271; June 30.
Paper pulp, Method of and apparatus for producing. F. W. Adams and G. S. Witham, Jr. 2,045,818; June 30.
Paper structure. A. L. Genter. 2,045,849; June 30.
Pen. P. Gulizia. 2,046,161; June 30.
Pen, Fountain. H. C. Hirschy. 2,045,774; June 30.
Percussive tool. H. Richards. 2,046,210; June 30.
Phenols from petroleum hydrocarbons, Production of alkyl. H. E. Buc and R. Schuler. 2,045,749; June 30.
Phenols from phenol-containing liquors, Extraction of. S. P. Miller. 2,045,607; June 30.
Phenols from waste and other liquors, Recovery of. S. P. Miller. 2,045,608; June 30.
Photoelectric device. L. E. Flory. 2,045,984; June 30.
Photographic materials, Producing colored. B. Gaspar. 2,046,067; June 30.
Phototube. J. H. De Boer and M. C. Teves. 2,045,637; June 30.
Pick for stringed musical instruments. R. Dopyera. 2,045,571; June 30.
Pickling apparatus, Electrolytic. A. E. Chester. 2,045,581; June 30.
Picture frame and method of making the same. A. Golden. 2,045,770; June 30.
Pigment, Blended. J. E. Booge. 2,046,054; June 30.
Pigment, Production of cellulose-coated. F. B. Downing and R. G. Clarkson. 2,046,253; June 30.
Pigments. F. W. Johnson. 2,046,267; June 30.
Pin: *See*—
Safety pin.
Pipe: *See*—
Smoker's pipe.
Pipe connecter, Universal. G. H. Kleekamp. 2,046,124; June 30.
Pipe construction. M. M. Ogee. 2,045,671; June 30.
Pipe fitting. C. G. Newton. 2,045,669; June 30.
Pipe stanchion. M. E. Ritter. 2,045,927; June 30.
Pipes and like articles centrifugally, Manufacture of cast metal. F. G. Carrington. 2,045,753; June 30.
Pipes and the like, Mounting of siphon. H. G. Cram. 2,045,634; June 30.
Piston. C. W. Truxell, Jr. 2,046,196; June 30.
Pivot arm lock. J. L. Nilson. 2,045,958; June 30.
Plants, Preparation for treating. E. P. Naus. 2,045,791; June 30.
Plastic and coating composition. J. W. C. Crawford. 2,045,979; June 30.
Plastic product from cracking coil tar, Forming a. C. Winning and R. M. Thomas. 2,045,741; June 30.
Plug: *See*—
Spark plug. Tank truck plug.
Polishing machine. B. De Nagy. 2,045,980; June 30.
Polymerization. D. J. Loder. 2,045,660; June 30.
Polymerization product and process for molding same. R. Hill. 2,045,651; June 30.
Portable folding seat. C. Letts. 2,046,198; June 30.
Post: *See*—
Fence post.
Power and brake control mechanism for motor driven vehicles. J. S. C. Nicholls. 2,045,993; June 30.
Power transmitting mechanism, Automatic. J. E. Padgett. 2,045,610–13; June 30.
Power unit for operating valves and the like, Motor driven. M. J. Berlyn. 2,046,283; June 30.
Practicing machine for adjusters. C. A. Upson. 2,045,812; June 30.
Precipitant in production of artificial thread, Regulation of. H. Hofmann. 2,045,598; June 30.
Press: *See*—
Filter press. Shoe tap press.
Lithographic offset press.
Pressure vacuum valve. G. H. Jett. 2,045,780; June 30.
Printing means. F. Q. Rast. 2,045,996; June 30.
Printing plate and making the same. B. J. Lewis. 2,045,606; June 30.
Protector: *See*—
Well casing protector.
Pulverizer. W. J. Armstrong. 2,045,691; June 30.
Pump: *See*—
Centrifugal pump.
Pump. E. W. Austin. 2,046,103; June 30.
Pump. S. J. Hamilton. 2,045,851; June 30.
Pumping jack. J. R. Mahan. 2,046,274; June 30.
Punching device. J. W. Bryce. 2,045,977; June 30.
Pyramidone, Manufacture of. M. N. Dvornikoff 2,045,588; June 30.
Pyrolysis of acetic anhydride. P. J. Wiezevich. 2,045,739; June 30.
Racing amusement device. C. W. Musser. 2,046,178; June 30.
Rack. O. Krueger. 2,045,953; June 30.
Rack and support, Rotatable. J. Woda. 2,046,229; June 30.
Rack for washing machines. G. K. Parsons. 2,046,207; June 30.
Rack or supporting structure. T. Shaw. 2,046,095; June 30.
Radio receiving circuits. C. C. Taylor. 2,045,735; June 30.
Radio receiving system. H. F. Dalpayrat. 2,045,700; June 30.
Radio transmission, Method for. J. Plebanski. 2,045,796; June 30.
Raft, Log. H. Rutledge. 2,045,875; June 30.
Ratio mechanism for automobiles, Dual. C. M. Wert. 2,046,282; June 30.
Razor, Safety. H. Swan. 2,046,219; June 30.
Razor, Safety. G. Taylor. 2,046,006; June 30.
Reaction apparatus and assembly of same. R. H. Hammell. 2,045,596; June 30.
Receiver especially for ultra-short waves. M. Ponte. 2,045,905; June 30.
Receptacle: *See*—
Folding receptacle.
Receptacle and conveyor, Coin. F. A. Marchioni. 2,046,176; June 30.
Receptacle for urinals, Deodorant. A. S. Selig. 2,046,214; June 30.
Receptacle or case, Closed. M. L. Rathbun. 2,046,133; June 30.
Records, Mechanism for keeping. P. H. Cone. 2,045,756; June 30.
Reducing machine. W. J. Armstrong. 2,045,687; June 30.
Reducing machine. W. J. Armstrong. 2,045,688; June 30.
Reducing machine. W. J. Armstrong. 2,045,690; June 30.
Reducing machine, Rotary. W. J. Armstrong. 2,045,689; June 30.
Reflector, Nonglare. W. L. Bear and G. R. Walker. 2,045,564; June 30.
Refrigerating apparatus. O. M. Summers. 2,045,809; June 30.
Refrigerating apparatus. R. L. Tweedale. 2,045,810; June 30.
Refrigeration. W. G. Clark. 2,045,754; June 30.
Refrigeration, Water. R. C. Roe. 2,045,999; June 30.
Refrigerator. P. J. Wiezevich. 2,046,009; June 30.
Resinous products. L. H. Fitch, Jr. 2,045,592; June 30.
Resistance unit. J. J. Mucher. 2,046,129; June 30.
Return bend. F. C. Fantz. 2,046,155; June 30.
Return bend for oil stills. F. C. Fantz. 2,046,156; June 30.
Return bend for oil stills and the like. H. E. Muchnic. 2,046,029; June 30.
Ring and the like, Finger. R. Marcher. 2,045,665; June 30.
Road slab side edge reenforcer. R. R. Robertson. 2,046,183; June 30.
Roadway joint strip. W. F. Schulz. 2,046,297; June 30.
Rock drill. W. A. Smith, Sr. 2,046,135; June 30.
Rod: *See*—
Welding rod.
Rodent poison spreader. G. Rebhahn. 2,046,089; June 30.
Roofing construction. W. J. Hammersley. 2,045,707; June 30.
Rotary mixer. J. J. Dunne and N. H. McCleary. 2,046,109; June 30.
Rotatable bodies, Apparatus for balancing. J. Lundgren. 2,046,294; June 30.
Rubber and producing same, Hydrogenated. G. D. Graves. 2,046,160; June 30.
Rubber articles containing cotton fabric, Manufacture of. C. B. White. 2,045,738; June 30.
Rubber composition, Chlorinated. E. Ott. 2,046,277; June 30.
Safety device, Overload. R. F. Dow. 2,045,572; June 30.
Safety pin. C. A. McPhee. 2,045,666; June 30.
Sash, Changeable window. A. A. Daniels. 2,046,251; June 30.
Sash, Weatherproof metal. I. Nicholson and F. Shields. 2,045,609; June 30.

Saw. J. N. Alexander. 2,046,231; June 30.
Scale. E. J. Von Pein and W. N. Gilbert. 2,045,974; June 30.
Scale, Automatic. A. L. Sprecker. 2,046,005; June 30.
Screw, Bit locking. A. L. Lee. 2,046,023; June 30.
Screw conveyer. E. J. L. F. Constantin. 2,045,757; June 30.
Seal, Tamperproof. A. A. Massini. 2,046,127; June 30.
Seat: *See*—
Portable folding seat.
Secret messages, Recording and reproducing. J. B. Walker. 2,045,624; June 30.
Seismic prospecting, Method and apparatus for. L. W. Blau and L. Statham. 2,046,104; June 30.
Selecting device. W. Heinitz. 2,046,072; June 30.
Selvage trimming mechanism. C. D. Brown. 2,046,486; June 30.
Sewing machine. O. R. Haas. 2,045,648-4; June 30.
Sewing machine. O. R. Haas. 2,046,070; June 30.
Shade. W. F. Davey. 2,045,840; June 30.
Shield, Arc welding. W. Richter. 2,045,802; June 30.
Shield, Painting. T. L. E. Haug. 2,045,597; June 30.
Shirt construction. W. Meisler and M. Wolf. 2,046,201; June 30.
Shirt support and ironer, Combined. D. Nelson. 2,045,868; June 30.
Shoe lengthening device. D. Korytar. 2,046,170; June 30.
Shoe sole, Weight distributing. B. J. Silver. 2,046,190; June 30.
Shoe tap press. L. J. Ripich. 2,046,035; June 30.
Shoes, Making. F. Laudanno. 2,045,954; June 30.
Shoes, Manufacture of. C. D. Turner. 2,045,736; June 30.
Shuttle. H. H. Burdett. 2,046,287; June 30.
Shuttle check and release. E. A. Santon. 2,045,967; June 30.
Shuttle, Loom. O. V. Payne. 2,045,961; June 30.
Shuttle tension. H. A. Davis. 2,046,288; June 30.
Sight testing device. J. F. Kothman. 2,045,952; June 30.
Sighting device. R. Noske. 2,045,670; June 30.
Sign: *See*—
Luminous tube sign.
Silencer for firearms, combustion engines and the like. H. Coanda. 2,046,017; June 30.
Sink attachment. M. J. Rosen. 2,045,965; June 30.
Sink, wash basin, and the like. J. Stanitz. 2,045,969; June 30.
Sizing and grading machine. F. A. Durand. 2,045,573; June 30.
Skill radio and recording manipulator. H. L. Grundstein. 2,045,947; June 30.
Skywriting apparatus. G. H. Morey. 2,045,865; June 30.
Slab, Monolithic, metallic-reenforced. O. Schnurer. 2,046,213; June 30.
Slug casting machine. E. G. Klingberg and D. L. Anderson. 2,046,301; June 30.
Small electric motor. H. Ruppe. 2,045,729; June 30.
Smoker's pipe. D. Ikeda. 2,045,779; June 30.
Soaps, Preventing the detrimental formation of lime and magnesia. H. Bertsch. 2,046,242; June 30.
Socket, Lamp. G. A. Johnson. 2,045,915; June 30.
Sole roughing machine. W. C. Card, Jr. 2,046,147; June 30.
Soles on shoes, Apparatus for vulcanizing rubber. S. J. Finn. 2,045,705; June 30.
Solidified composition. A. F. York. 2,046,101; June 30.
Spark plug. A. A. Kasarjian. 2,045,781; June 30.
Spectacles. G. A. Thomson. 2,045,622; June 30.
Speed changing device, Automatic. J. C. Coen. 2,045,835; June 30.
Speed control system for car retarders. J. W. Livingston. 2,045,989; June 30.
Speedometer. R. O. Helgeby. 2,046,163; June 30.
Speedometer demagnetizer. E. W. Ely and R. O. Helgeby. 2,046,111; June 30.
Spool cover. A. G. Hopkins. 2,045,652; June 30.
Spool, Wire retaining. N. S. Harter. 2,046,290; June 30.
Sprayer, Liquid. R. M. Bagley. 2,045,893; June 30.
Spraying machine. H. C. Cole. 2,046,149; June 30.
Spring-compressing tool. W. A. Monfort. 2,046,203; June 30.
Sprinkler. I. W. Knight. 2,046,169; June 30.
Sprinkler, Ornamental lawn. M. D. Vickery. 2,046,225; June 30.
Stake, Tie rod holding. B. C. Briody. 2,046,303; June 30.
Stand: *See*—
Display stand.
Starting device for internal combustion engines. C. F. Heywood. 2,046,073; June 30.
Steak and tendering the same, Tendered. A. J. Gurney. 2,046,118; June 30.
Steering device for ships, Hand electric. F. S. Hodgman. 2,045,775; June 30.
Steering gear. B. W. Twyman. 2,045,811; June 30.
Stock cutting mechanism. N. Rubin. 2,045,928; June 30.
Street plate for crawler type tractor shoes. G. W. O'Connor. 2,045,792; June 30.
Striking bag apparatus. M. A. Tompkins. 2,045,972; June 30.
Structural column and bracket cap therefor. G. H. Dean. 2,046,152; June 30.
Sulphate, Manufacture of ferric. J. F. White and W. S. Wilson. 2,045,625; June 30.
Suction holder. J. Oliveri. 2,045,672; June 30.
Sulphene amides, Preparation of. E. Tschunkur and H. Köhler. 2,045,858; June 30.
Sulphur and product, Treating. R. C. McQuiston. 2,046,128; June 30.
Supercharger system. F. B. Yingling. 2,045,816; June 30.
Support: *See*—
Fire-hose support. Fixture support.
Support. S. C. Brody. 2,045,942; June 30.
Support and dispensing device. S. C. Brody. 2,045,941; June 30.
Switch: *See*—
Thermal switch.
Switch controlling apparatus, Railway track. G. R. Pfasterer. 2,046,180; June 30.
Switch operating mechanism, Differential. H. A. W. Wood. 2,046,048; June 30.
Switching mechanism. S. J. Stockfleth. 2,045,971; June 30.
Synchronous motor. A. H. Neureuther. 2,046,130; June 30.
Table: *See*—
Card table.
Tabulating machine. J. A. Little. 2,046,027; June 30.
Tank truck plug, Quick-opening. G. H. Clay. 2,045,834; June 30.
Telephone repeater, Universal. W. E. Harding. 2,046,119; June 30.
Telephone system, Automatic. H. V. Alexandersson. 2,045,682; June 30.
Telephone transmission circuit. H. Nyquist, S. B. Wright, and L. G. Abraham. 2,045,720; June 30.
Televised images in synchronism with sound, Apparatus for receiving and projecting. L. de Forest. 2,045,570; June 30.
Television system. W. H. Peck. 2,045,921; June 30.
Temperature control. H. W. Partlow. 2,045,959; June 30.
Tension control for wire weaving machines. N. S. Harter. 2,046,291; June 30.
Testing apparatus for automotive brakes. W. E. Cunningham. 2,046,018; June 30.
Textile article. A. Schaar. 2,046,039; June 30.
Textile roll. H. W. Prentis, Jr. 2,046,137; June 30.
Textile roll and making the same. C. W. St. Claire. 2,046,136; June 30.
Thermal conductivity cell. G. E. Fredericks. 2,045,640; June 30.
Thermal switch. C. J. Hardison. 2,045,948; June 30.
Thermometer. S. Broder. 2,045,693; June 30.
Thermostat. W. A. Saul. 2,046,187; June 30.
Thermostatic control W. A. Saul. 2,046,186; June 30.
Thermostatically controlled device. J. A. Spencer. 2,046,188; June 30.
Thread, Manufacture of. P. Pierrat and R. Picard. 2,045,722; June 30.
Thread, Process and apparatus for production of artificial. P. E. Harrison. 2,045,708; June 30.
3,5,8,10-tetraaroylpyranes and making the same. R. Scholl and K. Meyer. 2,045,968; June 30.
Ticket issuer for pin ball games. R. T. Moloney. 2,046,084; June 30.
Tile, Filter. C. J. Woods. 2,046,298; June 30.
Tip for cigarettes. F. A. Howarth. 2,045,601; June 30.
Tire and mounting therefor, Pneumatic. D. H. Knapp. 2,045,860; June 30.
Tire mounting rim construction. H. J. Woock. 2,045,937; June 30.
Titanium product and making same. O. T. Coffelt. 2,045,836; June 30.
Tobacco can. D. Baden. 2,046,235; June 30.
Tonga, Safety link. C. E. Olsen and J. A. Peterson. 2,045,869; June 30.
Tool: *See*—
Composite cutting and threading tool. Percussive tool. Spring-compressing tool.
Machine tool.
Tool for removing ridges from cylinder walls. L. O. Beard. 2,046,241; June 30.
Tool for rolling multiple bearing surfaces. G. R. Maupin. 2,045,787; June 30.
Tourniquet. K. W. Buschenfeldt. 2,045,750; June 30.
Towing lift. H. B. Pearson, N. J. England, and J. A. Madden. 2,045,793; June 30.
Toy trip hammer. C. J. Olson. 2,046,038; June 30.
Toy vehicle. J. Ferrigno. 2,045,983; June 30.
Tracer control for material working machines. R. Bingel and H. Weinert. 2,046,013; June 30.
Track instrument. L. M. Gibbs. 2,046,157; June 30.
Traffic controlling apparatus, Railway. E. M. Allen. 2,046,049; June 30.
Traffic controlling apparatus, Railway. F. H. Nicholson. 2,045,992; June 30.
Traffic controlling apparatus, Railway. F. H. Nicholson. 2,046,179; June 30.
Traffic controlling system for railroads, Centralized. W. D. Hailes. 2,045,908; June 30.
Traffic controlling system for railroads, Centralized. T. J. Judge. 2,045,713; June 30.
Traffic controlling system for railroads, Centralized. T. J. Judge. 2,045,951; June 30.
Traffic controlling system for railroads, Centralized. N. D. Preston. 2,045,723; June 30.

Traffic controlling system for railroads, Centralized. S. N. Wight. 2,045,892; June 30.
Trailer. E. Ose. 2,046,206; June 30.
Train control system, Continuous inductive. W. H. Reichard. 2,045,924; June 30.
Transmission and control mechanism for milling machines. W. D. Archea. 2,045,685; June 30.
Transmission, Automatic. E. E. Cotanch. 2,045,584; June 30.
Transmission disk, Resilient. J. F. Paulsen and N. Strachovsky. 2,046,208; June 30.
Transmission, Hydraulic. H. F. Hull. 2,045,777; June 30.
Transmission system, Multiplex. E. T. Burton. 2,046,057; June 30.
Travel guide. H. R. Banks. 2,045,822; June 30.
Tray, Egg. G. H. Graham. 2,045,771; June 30.
Tread for pneumatic tires, Auxiliary. L. Gottlieb. 2,046,159; June 30.
Treating fluid to textile fibers, Apparatus for applying. H. V. Lang. 2,045,783; June 30.
Tube: *See*—
Electron tube.
Tube cleaner. W. S. Elliott. 2,045,761; June 30.
Tubes and apparatus therefor, Making. F. Votteler. 2,046,139; June 30.
Tubes by extrusion, Making. H. Lorant. 2,045,786; June 30.
Typewriting machine. R. V. Reppert. 2,045,997; June 30.
Vacuum cleaner. W. Leathers. 2,046,172; June 30.
Valve: *See*—
Air drain valve. Pressure vacuum valve.
Flush valve.
Multipilot controlled valve.
Valve. R. W. Crossen, Jr. 2,045,758; June 30.
Valve. G. Huhn. 2,046,266; June 30.
Valve for tanks, Automatic shut-off. C. C. Haralson. 2,045,909; June 30.
Valve for water heating systems, Automatic hydraulic. J. T. Barrow. 2,045,823; June 30.
Valve operating device. E. F. Fisher. 2,046,255; June 30.
Vaporizing device. P. R. Fortin. 2,045,903; June 30.
Vault, Burial. E. F. Nickol. 2,046,204; June 30.
Vehicle. P. Lim. 2,046,175; June 30.
Vehicle wheel. C. L. Eksergian. 2,045,901; June 30.
Vending machine. A. P. Wolff. 2,046,230; June 30.
Ventilating system for motor vehicles. E. H. Buford. 2,045,578; June 30.
Vibration measuring and indicating device. M. N. Fairbank. 2,046,154; June 30.
Victuals and table-luxuries containing cellulose, Improving and refining. W. Grafe. 2,045,850; June 30.
Voltage indicator. W. Richter. 2,045,801; June 30.
Volume control for amplifiers. S. Ballantine. 2,046,237; June 30.
Walking beam. J. R. Mahan. 2,046,275; June 30.
Wall construction. N. A. Brand. 2,045,940; June 30.
Warp beam flange. N. E. Martin. 2,046,028; June 30.
Wasp excluder for air brakes. C. A. Campbell. 2,046,058; June 30.
Waste material disposal, Apparatus for. A. C. Felton, Jr. 2,046,112; June 30.
Watch. I. Florman. 2,046,065; June 30.
Water conditioning, Boiler. C. W Rice. 2,046,308; June 30.
Waterproofing composition and method of waterproofing fabric. J. B. Cleaveland. 2,046,305; June 30.
Wave filter. W. P. Mason. 2,045,991; June 30.
Wax from soft wax associated therewith, Separation of hard. L. Beynon. 2,045,567; June 30.
Weigher, screener, and sacker, Combination. R. M. Waterbury. 2,045,813; June 30.
Welding apparatus. W. Richter. 2,045,803; June 30.
Welding rod. W. B. Price. 2,046,088; June 30.
Well casing protector. W. I. Bettis. 2,045,629; June 30.
Well or the like, Pyrometer. H. W. Fisher. 2,045,764; June 30.
Wells, Increasing production from. E. L. Davis. 2,045,899; June 30.
Wells, Increasing the productivity of. M. De Groote. 2,045,759; June 30.
Welt butting machine. B. B. Blanchard. 2,045,577; June 30.
Welt tempering machine. A. Eppler. 2,046,062; June 30.
Wheel: *See*—
Artillery wheel. Cushion wheel.
Buffing and polishing wheel. Vehicle wheel.
Wheel and manufacture, Car. D. P. Steward. 2,046,216; June 30.
Wheel dressing device for abrasive lapping machines. K. E. Summers. 2,046,097; June 30.
Whiskey-aging apparatus. A. S. Klein. 2,045,859; June 30.
Wind indicator, Power controlled. R. J. Plaisted. 2,045,994; June 30.
Winding machine. W. Reiners and G. Kahlisch. 2,045,872; June 30.
Windmill. C. C. Chronic and C. B. Molter. 2,046,059; June 30.
Window. E. F. Gaines and W. C. Lippert. 2,046,259; June 30.
Window operating mechanism. A. V. Brogren. 2,045,694; June 30.
Wiper and motor therefor, Windshield. D. Kuskin. 2,045,861; June 30.
Wiper, Windshield. H. Drew. 2,046,108; June 30.
Wire clamp. W. G. Fotsch. 2,045,847; June 30.
Wire drawing machine. S. H. Richards. 2,045,726; June 30.
Wire structure, Tubular stranded. G. C. Burd. 2,045,568; June 30.
Wires, Sealing in lead-in. W. Flammiger and M. Rohde. 2,046,019; June 30.
Wood building construction. S. A. Clem. 2,046,246; June 30.
Work driving device, Automatic. H. E. Balsiger. 2,046,238; June 30.
Work supporting device. L. B. Hooper. 2,045,711; June 30.
Wrapper and method of making. R. A. Hayward. 2,045,852; June 30.
Wrench: *See*—
Fruit jar wrench.
Writing machines, Attachment for. J. Q. Sherman and A. W. Metzner. 2,045,618; June 30.
Yarn tension and moisture control means for knitting machines. F. H. German. 2,046,293; June 30.
Zeolite beds, Apparatus for regenerating. J. H. Hewetson. 2,046,265; June 30.

CLASSIFICATION OF PATENTS

ISSUED JUNE 30, 1936

NOTE.—First number—class, second number—subclass, third number—patent number

2— 42: 2,045,871
123: 2,046,201
150: 2,045,670
255: 2,045,827
278: 2,045,630
3— 2: 2,045,580
2,046,069
4— 109: 2,046,214
173: 2,045,867
185: 2,045,815
187: 2,045,989
266: 2,045,731
2,045,732
8— 19: 2,045,755
2,045,783
2,045,874
9— 15: 2,045,876
18: 2,045,645
22: 2,045,887
2,045,608
2,045,604
10— 76: 2,046,075
122: 2,046,014
140: 2,046,041
11— 1: 2,046,276
12— 2: 2,045,714
14: 2,045,595
17: 2,045,716
33: 2,046,035
67: 2,045,577
128.6: 2,046,170
142: 2,045,736
2,045,954
13— 14: 2,046,085
15— 49: 2,045,980
104.14: 2,046,701
120: 2,045,988
188: 2,045,939
255: 2,046,108
16— 144: 2,045,837
164: 2,045,955
17— 45: 2,046,118
18— 1: 2,045,884
8: 2,045,598
2,045,708
2,045,717
2,045,722
17: 2,045,705
2,046,047
18: 2,045,937
89: 2,046,019
19— 107: 2,045,911
135: 2,045,697
143: 2,046,136
2,046,137
20— 2: 2,046,246
4: 2,045,940
35: 2,045,879
40.5: 2,045,626
52.2: 2,046,289
56.2: 2,046,251
22— 65: 2,045,753
70: 2,045,681
147: 2,046,043
192: 2,045,913
212: 2,045,576
23— 3: 2,045,747
56: 2,045,836
126: 2,045,625
160: 2,046,162
234: 2,045,632
2,046,166
288: 2,045,598
2,045,600
292: 2,045,866
24— 66: 2,045,953
2,046,127
115: 2,046,247
150: 2,045,666
194: 2,045,935
205: 2,045,626
25— 1: 2,046,245
131: 2,045,780
2,046,123
142: 2,045,920
155: 2,046,071
26— 158: 2,046,295
29— 40: 2,045,891
86.2: 2,046,208
88.2: 2,046,191
90: 2,045,787
168: 2,046,216
30— 68: 2,046,006
72: 2,046,219
33— 27: 2,045,598
32: 2,046,745
2,046,670
50: 2,045,670
174: 2,045,563
215: 2,045,631
35— 11: 2,046,202
17: 2,045,812
49: 2,045,807
2,045,808
50: 2,045,619
2,045,980
36— 26: 2,045,844
71: 2,046,190
72: 2,046,217
40— 17: 2,046,121
70: 2,045,822
104: 2,045,804
109: 2,046,220
126: 2,045,864
130: 2,046,044
133: 2,045,863
139: 2,045,675
154: 2,045,770
41— 10: 2,045,849
24: 2,046,000
42— 42: 2,045,703
44— 7: 2,046,101
2,046,209
9: 2,045,788
2,046,243
45— 121: 2,046,134
46— 39: 2,046,038
115: 2,045,830
127: 2,046,178
135: 2,045,962
47— 37: 2,046,236
49— 14: 2,046,302
35: 2,045,699
39: 2,045,716
45: 2,045,880
55: 2,046,195
51— 94: 2,046,122
96: 2,046,060
97: 2,045,778
101: 2,046,261
103: 2,045,804
185: 2,046,340
53— 4: R. 20,024
55— 106: 2,046,224
56— 7: 2,045,889
10: 2,045,633
122: 2,045,839
249: 2,047,857
363: 2,045,763
58— 19: 2,045,798
80: 2,046,055
60— 13: 2,045,816
16: 2,046,073
2,046,074
61— 22: 2,045,824
2,045,825
63: 2,046,120
62— 91.5: 2,045,627
115: 2,045,999
116: 2,046,009
121: 2,045,754
2,046,260
122: 2,046,264
63— 11: 2,046,079
15: 2,045,665
64— 3: 2,045,568
11: 2,046,208
19: 2,045,565
66— 1: 2,045,938
42: 2,045,776
43: R. 20,025
98: 2,046,072
66— 125: 2,046,203
135: 2,045,617
67— 7: 2,045,666
69— 1: 2,045,147
70— 70: 2,045,905
91: 2,045,846
72— 7: 2,046,204
18: 2,046,213
73— 31: 2,045,635
2,045,701
61: 2,045,640
2,046,154
2,046,294
82: 2,045,663
262: 2,045,641
74— 41: 2,046,274
2,046,275
67: 2,045,599
77: 2,046,258
230.17: 2,045,870
283: 2,045,809
259: 2,045,584
260: 2,045,610
2,045,611
2,045,612
2,045,613
294: 2,045,777
314: 2,046,282
337: 2,045,835
434: 2,046,168
499: 2,045,811
75— 38: 2,045,639
173: 2,046,056
77— 2: 2,046,241
80— 55: 2,045,705
81— 3.1: 2,046,269
66: 2,045,809
82— 40: 2,046,238
83— 11: 2,045,582
2,045,688
2,045,689
2,045,690
2,045,691
53: 2,045,686
2,045,687
44: 2,045,709
84— 173: 2,045,917
331: 2,045,877
349: 2,045,878
422: 2,045,571
85— 1: 2,046,025
87— 5: 2,046,192
2,046,242
9: 2,045,806
2,045,922
28: 2,046,065
88— 14: 2,045,743
2,046,045
18: 2,045,748
20: 2,045,704
2,045,952
23: 2,045,797
42: 2,046,021
47: 2,045,622
53: 2,045,916
2,046,268
54: 2,045,654
77: 2,045,751
90— 20: 2,045,685
62: 2,046,013
91— 12: 2,045,876
2,045,881
41: 2,046,062
48: 2,046,199
50: 2,046,185
65: 2,045,597
67.9: 2,045,852
68: 2,045,738
2,046,197
70: 2,045,676
2,045,932
2,046,305
70.3: 2,046,036
92— 7: 2,045,818
43: 2,046,270
2,046,271
93— 5: 2,046,262
44: 2,046,138
80: 2,046,130
94— 3: 2,045,936
8: 2,046,303
18: 2,046,182
2,046,297
31: 2,046,183
95— 2: 2,046,067
97— 40: 2,046,046
61: 2,045,728
143: 2,046,211
223: 2,045,762
98— 2: 2,045,578
40: 2,046,215
99— 11: 2,045,782
68: 2,045,591
74: 2,045,850
110: 2,045,949
137: 2,045,730
267: 2,046,223
152: 2,046,158
101— 147: 2,046,189
209: 2,046,218
247: 2,045,981
267: 2,045,996
401.1: 2,045,606
102— 7: 2,046,194
24: 2,045,605
26: 2,045,964
28: 2,045,833
103— 53: 2,045,862
96: 2,045,851
103: 2,046,226
162: R. 20,026
184: R. 20,019
104— 26: 2,045,695
105— 254: 2,046,040
106— 18: 2,046,142
22: 2,045,979
23: 2,046,277
31: 2,045,906
40: 2,046,281
108— 17: 2,045,707
110— 8: 2,046,112
173: 2,045,661
2,045,662
112— 2: 2,046,063
38: 2,045,643
57: 2,045,644
106: 2,045,805
219: 2,046,070
266: 2,045,885
113— 59: 2,045,709
114— 83: 2,045,908
116— 114: 2,046,186
117: 2,046,113
120— 36: 2,046,022
42: 2,045,774
47: 2,046,161
121— 10: 2,046,135
97: 2,045,861
118: 2,045,945
122— 140: 2,046,098
226: 2,046,248
6: 2,045,668
478: 2,045,914
123— 32: 2,046,083
2,046,263
2,046,264
48: 2,045,856
98: 2,045,829
124: 2,045,719
169: 2,045,781
176: 2,046,196
188: 2,046,255
125— 11: 2,046,097
126— 132: 2,046,051
128— 57: 2,045,814
138: 2,046,080
188: 2,046,300
327: 2,045,750
349: 2,046,004
129— 13: 2,046,007
131— 12: 2,045,779
52: 2,045,601
132— 73: 2,046,002
134— 17: 2,046,015
23.4: 2,045,988
46: 2,046,296
54: 2,046,091
56: 2,046,054
2,046,253
58.5: 2,046,267
79: 2,046,165
135— 7.1: 2,045,840
136— 166: 2,045,960
137— 21: 2,045,756
68: 2,045,909
78: 2,045,780
93: 2,046,004
138— 37: 2,045,669
42: 2,045,810
46: 2,045,706
66: 2,045,671
95: 2,046,029
139— 91: 2,045,663
92: 2,046,099
2,046,100
93: 2,045,684
142: 2,045,978
159: 2,045,724
183: 2,046,292
187: 2,045,967
209: 2,045,961
216: 2,046,288
217: 2,046,287
266: 2,046,286
287: 2,045,980
295: 2,046,289
298: 2,046,280
330: 2,045,946
353: 2,046,291
384: 2,046,039
141— 1: 2,045,752
9: 2,045,890
2,046,207
11: 2,045,965
144— 1: 2,045,853
145— 35: 2,046,231
146— 153: 2,045,838
194: 2,045,680
148— 6.5: 2,046,061
14: 2,046,037
21.5: 2,046,012
150— 1: 2,046,146
9: 2,045,585
29: 2,045,575
2,045,642
2,045,649
2,045,650
152— 17: 2,046,159
22: 2,045,880
153— 7: 2,045,602
154— 45: 2,045,733
46: 2,045,953
155— 133: 2,046,198
158— 35: 2,045,956
36: 2,045,895
99: 2,045,692
117.1: 2,045,664
164— 19: 2,045,928
61: 2,045,744
68: 2,045,721
79: 2,045,711
113: 2,046,082
115: 2,045,977
166— 21: 2,045,759
2,045,899
167— 20: 2,046,128
22: 2,045,925
24: 2,046,181
29: 2,045,791
67: 2,046,116
169— 4: 2,045,772
37: 2,046,169
171— 34: 2,046,307
95: 2,045,677
172— 36: 2,045,729
120: 2,045,734
275: 2,046,130
282: 2,045,775
173— 269: 2,045,890
283: 2,045,847
2,046,102
175— 183: 2,046,111
320: 2,045,821
2,045,883
366: 2,046,153
176— 1: 2,046,096
2,046,295
177— 311: 2,045,800
2,045,801
2,045,802
336: R. 20,023
337: 2,045,831
351: 2,045,970
352: 2,045,904
353: 2,045,713
2,045,723
178— 6: 2,045,570
2,045,921
44: 2,045,720
2,045,910
2,045,991
66: 2,045,735
70: 2,046,057
179— 1.5: 2,045,624
17: 2,045,682
27.54: 2,045,971
78: 2,046,050
170: 2,046,119
171: 2,045,973
185: 2,045,658
2,045,674
180— 1: 2,046,042
53: 2,046,103
181— 0.5: 2,046,104
35: 2,046,252
42: 2,046,193
60: 2,046,017
183— 1: 2,045,907
15: 2,046,093
36: 2,046,172
184— 4: 2,046,059
6: 2,045,737
188— 72: 2,045,593
79.5: 2,045,882
140: 2,046,053
152: R. 20,021
2,046,140
196: 2,045,886
259: 2,046,306
189— 42: 2,046,152
69: 2,045,609
190— 42: 2,045,784
192— 3: 2,045,993
6: 2,046,067
48: 2,045,615
56: 2,045,572
82: 2,046,171
150: 2,045,283
194— 94: 2,046,167
103: 2,045,976
196— 1: 2,045,742
13: 2,046,063
2,046,064
17: 2,046,177
20: 2,045,567
22: 2,045,741
37: 2,045,696
53: 2,045,794
2,045,795
74: 2,046,081
197— 4: 2,046,276
6.6: 2,045,873
17: 2,045,997
134: 2,045,618
198— 8: 2,045,016
189: 2,045,912
196: 2,045,957
213: 2,045,757
199— 57: 2,046,301
200— 60: 2,045,636
112: 2,046,272
2,046,273
115.5: 2,046,221
122: 2,045,948

200—	140:	2,045,969	219—	4:	2,046,121	240—	52.4:	2,045,915	250—	27.5:	2,045,637
201—	55:	2,045,985		8:	2,045,803		90:	2,046,184			2,045,648
	67:	2,046,139			2,046,088	242—	35.5:	2,045,872			2,045,656
202—	30:	2,045,929			2,046,117		55.5:	2,045,820			2,045,984
	79:	2,045,849		19:	2,046,233		58:	2,046,048			2,045,659
204—	1:	2,045,884		20:	2,045,673		86:	2,045,986			2,045,663
	5:	2,045,581			2,046,200		124:	2,046,028			2,046,020
	19:	2,046,148		39:	2,046,026		129:	2,046,200	251—	97:	2,046,200
	31:	2,045,832		43:	2,046,128	244—	1:	2,045,985		134:	2,046,338
205—	16:	2,045,726		45:	2,046,903		19:	2,045,629		167:	2,046,229
206—	1:	2,046,086	220—	32:	2,045,894		20:	2,045,579	252—	2.5:	2,045,907
	16:	2,046,244		87:	2,046,132			2,045,638			2,045,908
	19.5:	2,046,107	221—	16:	2,045,926			2,045,687	253—	117:	2,045,918
	52:	2,045,652		23:	2,045,589	246—	3:	2,045,992	254—	98:	2,045,927
	56:	2,046,235			2,046,309			2,045,908	255—	41:	2,046,210
207—	2:	2,045,655		44:	2,045,855			2,045,951		69:	2,045,726
	9:	2,045,795		98:	2,046,068			2,046,180		72:	2,045,106
208—	132:	2,045,983		104:	2,046,089		34:	2,045,992		73:	R. 20,020
209—	168:	2,045,873		107:	2,046,230		57:	2,045,994	256—	37:	2,046,250
210—	1:	2,046,110	222—	63:	2,045,943		63:	2,046,179	257—	120:	2,045,657
	28:	2,046,308		70:	2,045,868		132:	2,046,143	259—	107:	2,045,919
	34:	2,046,288		92:	2,045,849		134:	2,045,880		129:	2,046,180
	79:	2,045,986	225—	9:	2,046,032			2,046,049		134:	2,045,710
	148:	2,046,288	226—	14:	2,045,767		249:	2,045,923	260—	1:	2,046,160
	198:	2,045,856		49:	2,045,678		280:	2,045,157			2,046,257
	200:	2,045,749		88:	2,045,813		288:	2,045,930		2:	2,045,892
211—	71:	2,046,095		72:	2,046,256	247—	21:	2,045,894			2,045,651
	72:	2,045,614		139:	2,045,857	249—	195:	2,046,810	266—	5:	2,046,115
	96:	2,046,229	229—	1.5:	2,045,746		266:	2,045,672	268—	19:	2,045,765
	182:	2,045,942		57:	2,046,077	250—	11:	2,045,904		16:	2,045,766
214—	65:	2,045,566		92.8:	2,045,944			2,045,957		20:	2,046,254
	86:	2,045,793	232—	41:	2,045,984		17:	2,045,788		43:	2,045,982
215—	43:	2,046,227		44:	2,046,176		20:	2,045,569		44:	2,045,817
	46:	2,046,173	235—	61:	2,045,621			2,045,847		45:	2,045,988
	54:	2,046,224		92:	2,046,027			2,045,905		54:	2,045,843
216—	86:	2,046,212		132:	2,046,304			2,046,141		64:	2,045,908
217—	5:	2,046,084	236—	1:	2,045,823			2,046,144		98.10:	2,046,080
	20:	2,046,033		24:	2,046,126			2,046,237		98.20:	2,046,031
	28.5:	2,045,771		39:	2,045,790	27:	2,045,700			102:	2,045,628
	57:	2,046,133	260—	43.6:	2,045,564			2,045,709		106:	2,046,150
								2,045,983		122:	2,045,727

280—	123:	2,045,718	280—	81:	2,046,206
		2,045,730		87:	2,045,462
	128:	2,045,574	281—	15:	2,046,151
	129:	2,046,249	285—	10:	2,045,634
	134:	2,046,145		20:	2,046,155
	139:	2,045,841			2,046,156
	152:	2,046,174		46:	2,045,764
	153:	2,045,702		44:	2,045,975
		2,046,011		77:	2,046,114
	154:	2,045,827		183:	2,046,124
		2,046,026	292—	207:	2,045,953
		2,045,749		281:	2,045,078
	156:	2,045,616	296—	66:	2,046,175
		2,045,783	297—	15:	2,046,187
		2,045,842	298—	22:	2,045,647
	261—	62:	2,045,889	299—	20:	2,045,941
	119:	2,045,688		67:	2,046,225
	262—	53:	2,046,023	86:	2,046,149
		2,046,024		89:	2,045,893
		2,046,025			2,046,232
	263—	6:	2,045,773	150:	R. 20,027
		8:	2,045,646	304—	6:	2,046,205
		52:	2,046,279		9:	2,045,902
	264—	13:	2,046,163		12:	R. 20,022
	265—	1:	2,046,016		64:	2,045,901
		5:	2,046,005	305—	1:	2,046,056
		62:	2,045,974		20:	2,025,989
	266—	5:	2,046,115	306—	10:	2,045,792
	268—	19:	2,045,765			2,046,299
		120:	2,045,694	308—	3:	2,045,620
	271—	2.4:	2,046,084		4:	2,045,629
		4:	2,046,021		6:	2,045,983
	272—	77:	2,045,972		128:	2,046,092
	273—	25:	2,046,126		206:	2,045,896
		81:	2,046,164	309—	12:	2,045,819
		108:	2,045,845	311—	86:	2,045,931
	277—	45:	2,045,780	312—	24:	2,045,756
	279—	51:	2,046,082		37:	2,045,828
	280—	1:	2,045,712		84:	2,046,220
		49:	2,046,105		162:	2,046,222

U. S. GOVERNMENT PRINTING OFFICE : 1936

Patents Nos. 2,042,448 to 2,043,217

THE OFFICIAL GAZETTE

OF THE

United States Patent Office

Vol. 467—No. 1 TUESDAY, JUNE 2, 1936 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.
PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.
CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
Issue of June 2, 1936	1
Changes in Classification	1
Applications Under Examination	2
Decisions of the U.S. Courts—	
Bakelite Corporation, Weiss and Downs v. National Aniline & Chemical Company, Inc., and Punnett	3
Myers v. Coe, Commissioner of Patents	4
Patent Suits	5
Adjudicated Patents	7
Disclaimers	7
Trade-Mark Registrations Canceled	8
Trade-Marks Published (227 Applications)	9
Trade-Mark Registrations Granted	35
Trade-Mark Registrations Renewed	44
Labels	45
Prints	46
Reissues	47
Plant Patents	49
Patents Granted	50
Designs	222

June 2, 1936

Trade-Marks	250—No.	235,267 to No.	235,516, inclusive.
T. M. Renewals	16		
Labels	30—No.	47,493 to No.	47,522, inclusive.
Prints	4—No.	15,711 to No.	15,714, inclusive.
Reissues	7—No.	19,991 to No.	19,997, inclusive.
Plant Patent	1—No.	178.	
Patents	770—No.	2,042,448 to No.	2,043,217, inclusive.
Designs	79—No.	90,840 to No.	90,918, inclusive.
Total	1,157		

Changes in Classification

Order No. 3,355, May 12, 1936, directs:

In *class 53, Domestic Cooking Vessels* (Division 1), establish the following subclass:

Coffee and tea pots
3.5 Infusing receptacles.

The patents contained in this subclass have been taken for the most part from class 53, Domestic Cooking Vessels, subclass 3.

In *class 99, Foods and Beverages* (Division 63), establish the following subclass and definition:

Processes and products
Beverages
77.1 Tea, coffee, and beverage balls.

77.1. Individual charges in bags or other single use containers, for use in making tea, coffee, and other beverages.

(1) Note.—See this class, subclass 66, for coffee tablets; subclass 71, for beverage concentrates, and subclass 171, for sealed packages, wrappers, and food casings.

(2) Note.—See class 53, Domestic Cooking Vessels, subclass 3.5, for infusing receptacles for making tea, coffee, etc.

(3) Note.—See class 150, Cloth, Leather, and Rubber Receptacles, for cloth bags in general.

(4) Note.—See class 226, Filling and Closing Portable Receptacles, subclasses 53–57, for bag closures of a similar kind.

(5) Note.—See class 229, Paper Receptacles, subclass 63, for paper bag closure cords.

The patents contained in this subclass have been taken for the most part from class 53, Domestic Cooking Vessels, subclass 3.

In *class 150, Cloth, Leather, and Rubber Receptacles* (Division 29), add to the definition of subclass 1 the following note:

Note.—See class 99, Foods and Beverages, subclass 77.1, for tea and coffee bags for individual charges;

and add to the definition of subclass 3 the following note:

Note.—See class 99, Foods and Beverages, subclass 77.1, for tea bag cords.

In *class 229, Paper Receptacles* (Division 40), establish the following subclass and definition:

Bags
Closures
62.5 Valve type.

62.5 Bag construction under the definition of subclass 62 in which a small opening is left in the bag, through which the bag may be filled, generally through a nozzle, and closure means of the valve type carried by the bag for closing the opening after the bag has been filled. Generally the pressure of the contained material holds the closure means shut.

Note.—The search must be continued in class 150, Cloth, Leather, and Rubber Receptacles, subclass 9.

The patents contained in this subclass have been taken for the most part from class 150, Cloth, Leather, and Rubber Receptacles, subclass 9.

In *class 150, Cloth, Leather, and Rubber Receptacles* (Division 29), change the title of subclass 9 to read:

Bags
Closures
9 Valve type,

abolish the existing definition, and establish in lieu thereof the following definition:

9. Bag construction under the definition of subclass 8 in which a small opening is left in the bag, through which the bag may be filled, generally through a nozzle, and closure means of the valve type carried by the bag for closing the opening after the bag has been filled. Generally the pressure of the contained material holds the closure means shut.

Note.—The search must be continued in class 229, Paper Receptacles, subclass 62.5.

Condition of Applications Under Examination at Close of Business May 16, 1936

(Total number of applications awaiting action, excluding Trade-Mark Division. 32,476; Trade-Mark Division, 1,537. Oldest new case, January 18, 1936; oldest amended, January 16, 1936.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Mar. 7	Mar. 20	318
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Velocipedes; Butchering; Bee Culture.	Jan. 27	Jan. 27	795
4066	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Feb. 17	Feb. 17	519
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Feb. 15	Feb. 12	514
3628	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Feb. 24	Feb. 25	504
4898 C	6. LEWERS, A. M., Carbon Chemistry	Feb. 26	Mar. 7	480
5725	7. JARBOE, C. G., Optics; Photography	Mar. 2	Mar. 3	728
3889	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Mar. 9	Mar. 10	417
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Mar. 26	Mar. 24	321
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Mar. 25	Mar. 26	253
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Feb. 24	Feb. 27	453
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	Feb. 17	Feb. 17	446
8098	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Mar. 19	Mar. 19	387
8097	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Feb. 11	Feb. 11	608
4897	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	Mar. 3	Mar. 3	705
5612	16. SPENCER, C. J., Telegraphy; Telephony	Feb. 17	Feb. 17	535
8701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Feb. 16	Feb. 17	623
4612	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Feb. 3	Feb. 3	430
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Feb. 20	Feb. 17	543
6613	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking	Feb. 17	Feb. 18	333
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Feb. 24	Feb. 24	510
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Feb. 20	Feb. 20	502
7634	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	Jan. 22	Jan. 16	538
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Feb. 27	Feb. 29	631
8709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Commixutors.	Feb. 17	Feb. 17	506
8668	26. ADAMS, W. M., Electricity, Generation; Motive Power	Mar. 12	Mar. 13	333
8708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	Feb. 17	Feb. 19	467
4626	28. BENSON, A. R., Internal-Combustion Engines	Feb. 13	Feb. 6	409
8052	29. SHELARIN, J. B. (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Supports, Tables.	Mar. 11	Mar. 16	363
4974	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Feb. 17	Feb. 17	549
4716	31. DUNCOMBE, C. S. (Act.), Gas, Heating and Illuminating; Mineral Oils	Feb. 20	Feb. 20	470
4086	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Mar. 2	Mar. 9	440
6096	33. WYMAN, W. L., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads and Pavements.	Mar. 2	Mar. 18	493
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Mar. 5	Feb. 25	356
3609	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Filling and Closing Portable Receptacles.	Feb. 14	Feb. 14	536
7892	36. McFADYEN, A. D., Measuring Instruments; Force Measuring; Automatic Weighers	Mar. 26	Mar. 26	224
8666 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Feb. 18	Feb. 17	529
'7610	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Feb. 17	Feb. 18	396
4872	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Mar. 18	Mar. 23	293
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Jan. 30	Jan. 30	1,026
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Feb. 18	Feb. 17	506
8882	42. CUTTING, H. O., Electric Signaling	Feb. 18	Feb. 7	370
4886 B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Feb. 24	Feb. 21	671
4087 B	44. SHAFFER, C. H., Refrigeration; Dispensing Beverages	Feb. 18	Feb. 17	560
7097	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Mar. 17	Mar. 18	274
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements.	Feb. 25	Mar. 2	404
7600	47. BARKER, H., Clutches; Brakes	Mar. 2	Feb. 27	454
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Feb. 20	Feb. 20	453
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Mar. 16	Mar. 16	411
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	Feb. 4	Feb. 5	907
5628	51. BACKUS, C. D., Radiant Energy	Mar. 13	Mar. 13	541
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housings; Laminated Packing.	Feb. 26	Mar. 2	491
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Feb. 15	Feb. 15	651
5874	54. WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	Feb. 20	Feb. 19	393
6887	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Jan. 18	Jan. 20	844
4725	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation	Feb. 24	Feb. 24	721
3625	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Exercising Devices.	Mar. 19	Mar. 16	272
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Feb. 29	Feb. 20	295
4709	59. RICHARD, V. L., Chemistry; Fertilizers	Mar. 3	Mar. 5	600
5896	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Mar. 16	Mar. 16	259
6734	61. PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Herology; Time-Controlling Apparatus.	Feb. 20	Feb. 18	268
3676	62. COCHRAN, W. W., Games; Geometrical Instruments	Mar. 5	Mar. 11	416
6648	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	Feb. 18	Feb. 19	447
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel; Alcohol.	Feb. 20	Feb. 28	601
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Jan. 21	Jan. 21	631
3099 B	Trade-Mares, Labels, and Prints: F. A. RICHMOND	Trade-Marks	Apr. 11	Apr. 20	1,349
		Labels and Prints	Apr. 26	May 1	288
3605	Designs, H. H. KALUPY (Act.)		Apr. 16	Apr. 22	573

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Circuit Court of Appeals—Second Circuit

BAKELITE CORPORATION, WEISS AND DOWNS

v.

NATIONAL ANILINE & CHEMICAL COMPANY, INC., AND PUNNETT

Decided April 13, 1936

APPEALS—SECTION 4915 REVISED STATUTES—EFFECT OF NOTICE OF APPEAL UNDER SECTION 4912 REVISED STATUTES.

Where, in an interference proceeding, notice of appeal from a decision of the Board of Appeals to the United States Court of Customs and Patent Appeals was given to the Commissioner of Patents as provided in section 4912 Revised Statutes (U. S. C., title 35, sec. 60) and no further action was taken with reference thereto and within six months after the decision of the Board of Appeals a bill in equity purporting to be in conformity with section 4915 Revised Statutes (U. S. C., title 35, sec. 63) was filed, *Held* the bill was rightly dismissed since, "The statute gives an appellant no right to withdraw his notice of appeal; nor did they purport to. Accordingly the appeal is still pending so far as this record discloses. Hence no suit could be brought under section 63."

APPEAL from the District Court of the United States for the Southern District of New York.

From a final decree dismissing the bill of complaint in a suit brought under Revised Statutes sec. 4915 (35 U. S. C. A. sec. 63), the plaintiffs appeal.

Affirmed.

Watson, Bristol, Johnson & Leavenworth, solicitors for appellants; *Joe. N. Nielsen, Charles H. Potter*, and *Ralph E. Parker*, of counsel.

Pennie, Davis, Marvin & Edmonds, solicitors for appellees; *W. Brown Morton, Forbes Silsby*, and *George B. Campbell*, of counsel.

Before: L. HAND, SWAN, and AUGUSTUS N. HAND, Circuit Judges

SWAN, *Cir. J.*:

This is a suit to obtain a patent, and purports to be filed in conformity with Revised Statutes sec. 4915 as amended (35 U. S. C. A. sec. 63). The individual plaintiffs, Weiss and Downs, filed an application for Letters Patent. Bakelite Corporation is their assignee. The individual defendant Punnett also filed a patent application, and the corporate defendant is his assignee. These two applications were involved in an interference proceeding in the Patent Office which resulted in a decision by the Board of Appeals on February 13, 1934, awarding priority of invention to Weiss and Downs as to claims 1, 2, and 3, and to Punnett as to claims 4, 5, and 6. Each party filed with the Commissioner of Patents a notice of appeal and his "reasons of appeal." Thereafter Weiss and Downs filed a notice, as provided in section 59a, electing to have further proceedings conducted as provided in section 63; that is, by bill in equity. In response to their election the Commissioner entered an order dismissing Punnett's notice of appeal. Nothing was said or done with respect to their own notice of appeal. On August 13, 1934, the plaintiffs filed their bill to obtain a patent as to claims 4, 5, and 6. The defendants moved to dismiss on the ground that the district court lacked jurisdiction because Weiss and Downs had taken an appeal from the adverse decision of the Patent Office to the Court of Customs and Patent Appeals, where it was still pending. The motion was granted, and the correctness of that ruling is the sole question presented here.

It cannot be doubted that the statute, as it now reads, means to give alternative remedies to an applicant to whom a patent has been refused. He may appeal,

"in which case he waives his right to proceed under section 63 of this title"

(35 U. S. C. A. sec. 59a); or he may have his remedy by bill in equity,

"unless appeal has been taken from the decision of the Board of Appeals to the United States Court of Customs and Patent Appeals, and such appeal is pending or has been decided, in which case no action may be brought under this section."

(35 U. S. C. A. sec. 63). Neither section 59a nor section 63 defines how an appeal is taken, but section 60 provides

"When an appeal is taken to the United States Court of Customs and Patent Appeals, the appellant shall give notice thereof to the Commissioner, and file in the Patent Office, within such time as the Commissioner shall appoint, his reasons of appeal, specifically set forth in writing."

We entertain no doubt that this is what section 63 means by the phrase "unless appeal has been taken." Section 60 is identical with section 4912 of the Revised Statutes except as to the court to which the appeal may be had; and section 4912 was derived from section 11 of the act of March 3, 1839 (5 Stat. 354), which provided that a party

"shall have a right to appeal • • • by giving notice thereof to the Commissioner, and filing in the Patent Office, within such time as the Commissioner shall appoint his reasons of appeal, specifically set forth in writing, • • •"

This statute was construed in *Greenough* v. *Clark*, 10 Fed. Cas. No. 5,784 (C. C. D. C.) where Judge Morsell said:

"From a careful examination of the provisions of this statute, I am satisfied that the filing of the reasons of appeal must be considered as essentially the appeal itself; • • •"

In the subsequent reenactment of the statute, substantially in the same form, this prior judicial construction, although rendered by an inferior court, is at least persuasive indication of the interpretation adopted by Congress. *Becker* v. *General Chain Co.*, 273 F. 419, 423 (C. C. A. 1); *Central Paper Co.* v. *Southwick*, 56 F.(2d) 593, 596 (C. C. A. 6); *The Devonshire*, 13 F. 39, 42 (C. C. Oreg.); *Trumbull Steel Co.* v. *Routzahn*, 292 F. 1009, 1010 (N. D. Ohio); cf. *Rea* v. *Keller*, 112 So. 211, 212 (Ala.); *Citizens' Trust & Savings Bank of South Bend* v. *Fletcher American Co.*, 192 N. E. 451, 452 (Ind.); *Texas Fidelity & Bonding Co.* v. *City of Austin*, 246 S. W. 1026, 1028 (Tex.). Moreover, this construction finds support in the analogy of an appeal from a district court to a circuit court of appeals; such an appeal is "taken" when the notice of appeal

with assignment of errors is filed in the court below. See *In re Foster Construction Corp.*, 49 F.(2d) 213, 214 (C. C. A. 2).

The defendants rely upon the Rules of the Court of Customs and Patent Appeals applicable to appeals from the Patent Office. Rule XXV requires a party desiring to appeal to file with the clerk a petition showing compliance with sections 60 and 61 of the statute and praying that his appeal may be heard for the reasons assigned therefor to the Commissioner; he must also file a certified copy of the record; and Rule V requires the payment of a docket fee. In our opinion these rules have to do with perfecting the record on appeal, like our own rules 13 and 14, rather than with what constitutes taking an appeal within the meaning of section 63. None of the cases cited with respect to the rules has held the contrary. *Schmidt* v. *Tait*, 42 App. D. C. 227, 204 O. G. 1347; *In re Hitchcock*, 47 App. D. C. 251, 247 O. G. 965; *In re Sherbondy*, 35 F.(2d) 71, 387 O. G. 968 (C. C. P. A.); *Nelson* v. *Berry*, 59 F.(2d) 351, 424 O. G. 616 (C. C. P. A.). If we were concerned only with the rules of another court, we might be constrained to follow even dicta of that court, but in construing the statute we may exercise our own judgment. For the reasons already given we are convinced that an appeal was "taken".

We are also convinced that such appeal was pending and had not been decided. Section 59a provides that an adverse party to an interference may, within twenty days after the appellant has filed notice of appeal according to section 60, file notice with the Commissioner that he elects to have all further proceedings conducted as provided in section 63; thereupon the appellant must file his bill in equity within thirty days, and in default thereof the decision appealed from shall govern the further proceedings in the case. The notice of election filed by Weiss and Downs affected only the Punnett notice of appeal. They were not an "adverse party" to their own notice of appeal. The statute gives an appellant no right to withdraw his notice of appeal; nor did they purport to. Accordingly the appeal is still pending so far as this record discloses. Hence no suit could be brought under section 63, and the bill was rightly dismissed.

Decree affirmed.

U. S. Court of Appeals for the District of Columbia

MYERS *v.* COE, COMMISSIONER OF PATENTS

No 6,521. Decided March 30, 1936

1. PATENTABILITY—METHOD OF CONTROLLING MOTOR CAR DRIVING.

Certain claims for a method of assisting in the control of motor car driving, involving detachment of portions of driver's permit or license plate, *Held* unpatentable as not defining a "mode of treatment of certain materials to produce a given result", or an "act, or a series of acts, performed upon the subject matter to be transformed and reduced to a different state or thing." *Cochrane* v. *Deener*, 94 U. S. 780.

2. SAME—DRIVER'S PERMIT OR LICENSE PLATE.

Certain claims sufficiently broad to cover both a driver's permit and a license plate and other claims specific to a driver's permit, *Held* unpatentable as differing from theater tickets, checks, and the like only in the manner of use.

3. SAME—LICENSE PLATE—REJECTION FOR LACK OF UTILITY, IMPROPER.

Rejection of claims for a license plate having integrally attached thereto, readily removable sections to constitute by their presence or official absence a record of driver's violations of traffic regulations, on ground the structure lacks utility and is frivolous because of possibility of mischievous removal of such sections and consequent embarrassment and humiliation of the driver, *Held* improper since it would be a simple matter for a mechanic to design a guard or lock and since the opprobrium attached to the driver of an automobile bearing symbols which denominate or stamp him as a speeder, reckless driver, etc., would strongly tend to curb such drivers.

Affirmed in part and reversed in part.

Mr. Joseph H. Milans and *Mr. Needham C. Turnage* for Myers.

Mr. R. F. Whitehead for the Commissioner of Patents.

Before MARTIN, Chief Justice, and ROBB, VAN ORSDEL, GRONER, and STEPHENS, Associate Justices

ROBB, *A. J.*:

Appeal from a decree in the Supreme Court of the District dismissing appellant's bill, filed under section 4915, Revised Statutes, as amended (35 U. S. C. A. sec. 63), to authorize the issuance of a patent.

The claimed invention relates to a system of designating traffic regulation violations by motorists. The specification discloses an automobile driver's permit and a license plate to be attached to the automobile. Attached to the license plate are tabs which may be detached therefrom. We here reproduce Figs. 1 and 2 of the application as illustrative of the license plate:

Fig. 1.

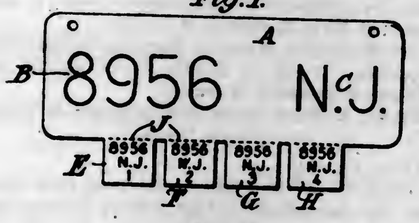
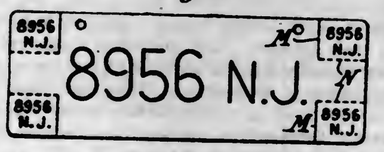


Fig. 2.



It is unnecessary to illustrate the driver's permit.

It is proposed to remove a tab from the license plate on violation of traffic law so that the plate will serve as a record of the driver's official standing in this respect.

According to the specification,

"one of the leading ideas in connection with the invention is to provide a system whereby the driving record of automobile users will be carried about by the car in plain sight. In dealing with so difficult a question as safe motor-car driving, the present invention takes advantage of the very salutary effects produced by the pressure of public opinion."

Claims 15 to 24, inclusive, are involved.

[1] Claims 15 and 16 are for a "method of assisting in the control of motor-car driving." We agree with the Patent Office and the court below that these two claims do not define patentable subject matter. They do not define a "mode of treatment of certain materials to produce a given result", nor do they define "an act, or a series of acts, performed upon the subject matter to be transformed and reduced to a different state or thing." *Cochrane* v. *Deener*, 94 U. S. 780, 11 O. G. 678.

[2] Claims 17 and 18 are sufficiently broad to cover both the driver's permit and the license plate. There is nothing novel and, therefore, nothing patentable in the driver's permit. It differs from theatre tickets, checks, and the like only in the manner in which it is to be used.

Claims 19 and 20 are specific to the driver's permit, and are unpatentable for the reasons already given.

We now come to claims 21 to 24, inclusive. We reproduce claim 21 as illustrative of the group:

"A license plate for vehicles, comprising a hard weather-resisting plate adapted for attachment to the exterior of a motor vehicle, and said plate having a main section carrying official indicia of the government issuing the plate and index of the particular plate, such as a number, and said main section having integrally attached thereto readily removable sections to constitute by their presence or official absence a driving record."

The Board of Appeals refused to allow these license plate claims on the ground that the structure covered "is frivolous." The Board directed attention to the fact that in the District of Columbia it has been the custom to provide blank spaces on the *operator's permit* for recording convictions of violations of traffic laws or regulations. The Board added:

"We do not believe it possible, however, that any state would consent to issue license plates of the type disclosed by appellant. The first thing that occurs to anyone upon inspecting this plate is that mischievous children or others would punch out the symbols and thereby cause the driver embarrassment and perhaps humiliation. We consider the idea absolutely impractical."

[3] We are unable to agree with the reasoning and conclusions of the Patent Office as to these claims. Assuming that there might be instances of unauthorized removal of tabs, it would be a simple matter for a mechanic to design a guard or lock, as is done to prevent tampering with spare tires and the ignition. The appalling number of automobile accidents (30,000 deaths and over 1,000,000 injured annually) justifies a liberal attitude toward patent applications designed and reasonably calculated to reduce the number of accidents and discourage reckless driving. As recognized by the Board, the opprobrium attaching to the driver of an automobile bearing symbols which denominate or stamp him as a speeder, reckless driver, etc., would strongly tend to curb such drivers.

According to an article in a current magazine[1], violators of minor traffic rules in Huntington, Indiana, receive, instead of a ticket, a warning from a policeman who pastes on the windshield a "scarlet letter"—a sticker bearing notice of the offense. This sticker must be left on for 30 days. A violation by a motorist "wearing" a tag results in a trip to a police cell to await a court hearing. Los Angeles has a similar scheme, using a windshield sticker labeled, "Traffic Violator."

We may notice that in the safety campaign being conducted in the District some of the local newspapers, presumably in an effort to make drivers conscious of their responsibility as well as of the value of the privilege of driving, are contributing valuable space to the publication of the names of persons convicted of speeding and reckless driving in addition to those whose driving permits are revoked or suspended.

We think appellant's license plate discloses a new and novel idea and a means for practicing it. *Guthrie* v. *Curlett*, 10 F.(2d) 725, 353 O. G. 286. In *Cincinnati Traction Co.* v. *Pope*, 210 F. 443, a "time limit transfer ticket" was held patentable because it was "not a method at all, but a physical tangible facility." So here, appellant's license plate may be characterized as a physical facility.

The decree is affirmed as to claims 15 to 20, inclusive; and reversed as to claims 21 to 24, inclusive.

Affirmed in part;

Reversed in part.

[1] Article from Public Management, reprinted in Readers Digest, February, 1936, p. 55.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,243,875, A. R. Price, Method and apparatus for starting internal combustion engines, D. C., S. D. Ind. (Indianapolis), Doc. 1585, *J. E. Shepherd* v. *Delco-Remy Corp.* Dismissed Mar. 18, 1936.

1,262,860, S. B. Smith, Incubator, D. C., S. D. Ind. (Indianapolis), Doc. 1563, *S. B. Smith* v. *R. R. Boots.* Patent held infringed Mar. 13, 1936. Doc. 1620, *S. B. Smith* v. *H. K. Cook.* Decree as above. Doc. 1636, *S. B. Smith* v. *M. Anderson.* Consent decree holding patent valid and infringed Dec. 30, 1935. Doc. 1642, *S. B. Smith* v. *Globe American Corp. et al.* Dismissed Dec. 27, 1935. Doc. 1643, *S. B. Smith* v. *The Oakes Mfg. Co.* Dismissed Dec. 14, 1935. Doc. E 1790, *S. B. Smith* v. *Sims Mfg. Corp.* Final decree for plaintiff Jan. 24, 1936. Same, D. C., S. D. Calif. (Los Angeles), Doc. E 244 (M) Y, *S. B. Smith* v. *Fontana Farms Co.* Doc. E 245 (M) Y, *S. B. Smith* v. *L. A. Austin.* Doc. E 560 (C) Y, *S. B. Smith* v. *G. C. England.* Doc. E 562 (J) Y, *S. B. Smith* v. *P. T. Beauchamp.* Doc. E 575 (H) Y, *S. B. Smith* v. *J. Salm.* Doc E 576 (H) Y, *S. B. Smith* v. *F. J. Russ.* Doc E 577 (M) Y, *S. B. Smith* v. *C. E. Waring.* Doc. E 579 (C) Y, *S. B. Smith* v. *C. C. Rittenhouse et al.* Doc. E 582 (J) Y, *S. B. Smith* v. *E. B. Shelden.* Doc. E 584 (M) Y, *S. B. Smith* v. *C. Rimel.* Doc. E 585 (C) Y, *S. B. Smith* v. *S. Walker.* Doc. E 586 (C) Y, *S. B. Smith* v. *J. A. Charon.* Doc. E 587 (J) Y, *S. B. Smith* v. *G. D. Brummett.* Doc. E 588 (S) Y, *S. B. Smith* v. *C. H. Holland.* Doc. E 589 (H) Y, *S. B. Smith* v. *L. W. Lierly.* Doc. E 592 (J) Y, *S. B. Smith* v. *D. G. Goddard.* Patent held valid and infringed Mar. 23, 1936, in each of above cases. Doc. E 593–H, *S. B. Smith* v. *C. C. Brown.* Dismissed Mar. 24, 1936. Doc. E 595 (J) Y, *S. B. Smith* v. *C. Pharoah.* Doc. E 598 (C) Y, *S. B. Smith* v. *J. J. Mellein.* Doc. E 601 (M) Y, *S. B. Smith* v. *J. H. Dominique.* Doc. E 602 (M) Y, *S. B. Smith* v. *W. Fells.* Doc. E 620 (H) Y, *S. B. Smith* v. *R. H. Dow.* Doc. E 627 (M) Y, *S. B. Smith* v. *F. A. Kennepohl et al.* Doc. E 628 (M) Y, *S. B. Smith* v. *H. P. Brown.* Doc. E 621 (M) Y, *S. B. Smith* v. *A. Cortelyon et al.* Doc. E 622 (M) Y, *S. B. Smith* v. *J. Hatanaka.* Patent held valid and infringed Mar. 23, 1936, in each of above cases.

1,297,188, (a), I. Langmuir, System for amplifying variable currents; 1,573,374, P. A. Chamberlain, Radio condenser; 1,707,617, 1,795,214, E. W. Kellogg, Sound reproducing apparatus; 1,894,197, Rice & Kellogg, same,

D. C., N. D. Ill., E. Div., Doc. 14981, *Radio Corp. of America et al.* v. *O. L. Sturm et al.* Doc. 14985, *Radio Corp. of America et al.* v. *Congress Radio Co., Inc., et al.* Doc. 14187, *Radio Corp. of America et al.* v. *G. Wolff et al.* (*Illinois Radio Stores, Inc.*). Doc. 14989, *Radio Corp. of America et al.* v. *J. W. Earle* (*Woodlawn Radio & Music Co.*) *et al.* Consent decree holding patents valid and infringed, injunction granted Jan. 13, 1936, in each of above cases.

1,297,188 (b), I. Langmuir, System for amplifying variable currents; 1,573,374, P. A. Chamberlain, Radio condenser; 1,707,617, 1,795,214, E. W. Kellogg, Sound reproducing apparatus; 1,894,197, Rice & Kellogg, same; 1,728,879, same, Amplifying system, D. C., N. D. Ill., E. Div., Doc. 14989, *Radio Corp. of America et al.* v. *J. M. Earle* (*Woodlawn Radio & Music Co.*) *et al.* Consent decree, holding patents valid and infringed, injunction granted Jan. 13, 1936.

1,339,066, C. E. McManus, Bottle closure; 1,899,782, A. H. Warth, Material for facing bottle caps and method of making same; 1,899,783, same, Bottle cap and method of manufacturing same; Re. 19,117, same, Process of producing closures; 1,956,481, same, Spot crown and liner material therefor; 1,967,195, same, Method of manufacturing bottle caps, D. C., E. D. N. Y., Doc. E 7371, *Crown Cork & Seal Co., Inc.*, v. *Ferdinand Gutman & Co.* Decree for plaintiff on patents 1,339,066, Re. 19,117 and 1,967,195, bill dismissed as to other patents (notice Mar. 24, 1936).

1,403,475, H. D. Arnold, Vacuum tube circuit; 1,403,932, R. H. Wilson, Electron discharge device; 1,618,017, F. Lowenstein, Wireless telegraph apparatus; 1,702,833, W. S. Lemmon, Electrical condenser; 1,811,095, H. J. Round, Thermionic amplifier and detector; 1,936,162, R. A. Heising, Transmission system; Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation, D. C., N. D. Ill., E. Div., Doc. 14980, *Radio Corp. of America et al.* v. *O. L. Sturm et al.* Doc. 14984, *Radio Corp. of America et al.* v. *Congress Radio Co., Inc., et al.* Doc. 14986, *Radio Corp. of America et al.* v. *G. Wolff et al.* Doc. 14988, *Radio Corp. of America et al.* v. *J. M. Earle* (*Woodlawn Radio & Music Co.*). Consent decree, holding patents valid and infringed; injunction granted, in each of above cases Jan. 13, 1936. Same, filed Mar. 23, 1936, Doc. 15090, *Radio Corp. of America et al.* v. *B. Olshansky et al.* Doc. 15092, *Radio Corp. of America et al.* v. *Banner Tire Co. et al.* Doc. 15094, *Radio Corp. of America et al.* v. *A. Smith et al.* (*Better Radio Service*).

1,403,932. (See 1,403,475.) 1,472,897. (See 1,963,665.)

1,555,054, R. Berkowitz, Hexagonal folding box; 1,623,715, same, Hat box, D. C., E. D. N. Y., Doc. E 7549, *A. Berko et al.* v. *Courtney Folding Box Corp.* Dismissed Mar. 27, 1936.

1,573,374 (a), P. A. Chamberlain, Radio condenser; 1,707,617, 1,795,214, E. W. Kellogg, Sound reproducing apparatus; 1,894,197, Rice & Kellogg, same; 1,728,879, same, Amplifying system, filed Mar. 23, 1936, D. C., N. D. Ill., E. Div., Doc. 15091, *Radio Corp. of America et al.* v. *B. Olshansky et al.*

1,573,374 (b), P. A. Chamberlain, Radio condenser; 1,707,617, 1,795,214, E. W. Kellogg, Sound reproducing apparatus; 1,894,197, Rice & Kellogg, same, filed Mar. 23, 1936, D. C., N. D. Ill., E. Div., Doc. 15095, *Radio Corp. of America et al.* v. *A. Smith et al.* (*Better Radio Service*).

1,573,374. (See 1,297,188 (a) and (b).)

1,592,613, S. Otis, Direct steaming system for locomotives; 1,686,103, L. G. Plant, Locomotive terminal, C. C. A., 10th Cir., (Denver), Doc. 1260, *Railway Engineering Equipment Co. et al.* v. *Oregon Short Line Railroad Co.* Dismissed Sept. 19, 1935.

1,613,017. (See 1,403,475.)

1,620,488, H. E. Preston, Stoker-side wall construction; 1,930,906, same, Tuyère block; 1,734,854, C. E. Harrison, Two-piece ram-box cap; 1,783,878, same, Grate construction; 1,978,106, same, Extension grate; 1,907,066, same, Front wall air grid; 1,930,897, W. J. Hughes, Tuyère, filed Mar. 25, 1936, D. C., S. D. Ohio, W. Div., Doc. E 973, *American Engineering Co.* v. *E. H. Bardes Range & Foundry Co.*

1,623,715. (See 1,555,054.)

1,667,794. (See Re. 17,779.)

1,686,103. (See 1,592,613.) 1,702,833. (See 1,403,475.)

1,707,617. (See 1,573,374 (a), (b), and 1,297,188 (a), (b).)

1,716,590. (See Re. 17,631.)

1,728,879. (See 1,573,374 and 1,297,188 (b).)

1,734,854. (See 1,620,488.)

1,772,991, J. R. Fehr, Refrigerating apparatus, D. C., N. D. Ohio, W. Div., Doc. E 1388, *H. Kurek* v. *The Ohio Sugar Co. et al.* Dismissed without prejudice Mar. 27, 1936.

1,777,824, J. H. Blitzer, Lighting fixture; Des. 88,980, C. Moser, Lighting fixture head, appeal filed Mar. 23, 1936, C. C. A., 2d Cir., Doc. 14626, *Lightolier Co.* v. *Artistic Brass & Bronze Works, Inc.*

1,778,349, T. H. Banfield, Time control for stokers, D. C., S. D. Ind. (Indianapolis), Doc. E 1782, *Iron Fireman Mfg. Co.* v. *Industrial Engineering Corp.* Dismissed for want of equity Mar. 21, 1936.

1,783,878. (See 1,620,488.)

1,795,214. (See 1,573,374 (a), (b) and 1,297,188 (a), (b).)

1,797,562, 1,797,813, Williams & Coble, Floor mat, filed Mar. 20, 1936, D. C., N. D. Ohio, E. Div., Doc. 5430, *E. M. Belknap et al.* v. *The Cleveland Mat Corp. et al.*

1,797,813. (See 1,797,562.) 1,811,095. (See 1,403,475.)

1,820,293, R. F. Albert, Garment, D. C., S. D. N. Y., Doc. E 76/143, *R. T. Albert* v. *Corona Undergarment Co., Inc.* Dismissed (notice Mar. 28, 1936). Doc. E 76/144, *R. T. Albert* v. *Weisman Bros., Inc.* Decree as above.

1,825,649, N. Saccoccia, Identification marker, D. C., S. D. N. Y., Doc. E 77/267, *Fulford Mfg. Co.* v. *Mershon Mfg. Corp. et al.* Consent decree dismissing suit (notice Mar. 26, 1936).

1,830,572, J. P. Taylor, Blow distributing athletic protector, D. C., S. D. N. Y., Doc. E 68/320, *J. P. Taylor* v. *J. Golomb et al.* (*Everlast Sporting Goods Mfg. Co.*). Consent decree for plaintiff (notice Mar. 23, 1935).

1,835,505. (See Re. 17,779.)

1,843,359. (See 2,030,020.)

1,857,157. (See 1,963,665.)

1,867,116, Thornhill & Rohr, Cover for hand bags, D. C., S. D. N. Y., Doc. E 78/40, *The Virginia Art Goods Studios, Inc.*, v. *Goldberg & Seltzer, Inc.* Suit and counterclaim dismissed without prejudice Mar. 23, 1936.

1,877,724. (See 2,024,729.)

1,894,197. (See 1,297,188 (a), (b) and 1,573,734 (a), (b).)

1,894,328, C. Schlumberger, Electrical device for the determination of specific resistivity; 1,913,293, same, Electrical process for the geological investigation of the porous strata traversed by drill holes, filed Mar. 23, 1936, D. C., S. D. Calif. (Los Angeles), Doc. E 873–S, *Schlumberger Well Surveying Corp.* v. *Geonalyzer Corp.*

1,899,782. (See 1,339,066.) 1,899,783. (See 1,339,066.)

1,907,066. (See 1,620,488.) 1,913,293. (See 1,894,328.)

1,930,897. (See 1,620,488.) 1,930,908. (See 1,620,488.)

1,936,162. (See 1,403,475.) 1,956,481. (See 1,339,066.)

1,963,665, 1,857,157, R. G. Le Tourneau, Scraper; 1,472,897, C. E. Anderson, Steel newel post, D. C., N. D. Calif. (San Francisco), Doc. E 3932–R, *R. G. Le Tourneau et al.* v. *G. E. Murray.* Consent decree, holding patents valid and infringed; injunction granted Feb. 27, 1936.

1,967,195. (See 1,339,066.)

1,977,093, S. Sechi, Illuminated sign, filed Mar. 27, 1936, D. C., S. D. N. Y., Doc. E 82/336, *Bubble-Glo Sign Co., Inc.*, v. *Biolite, Inc.*

1,978,106. (See 1,620,488.)

2,021,169, M. B. Brand, Stencil duplicating machine, D. C., N. D. Ill., E. Div., Doc. 15016, *M. B. Brand et al.* v. *Speed-O-Print Corp.* Consent decree holding patent valid and infringed, injunction granted; trade-mark reg. 331,848, Speed-O-Print Corp., Duplicating machine, held infringed Feb. 26, 1936.

2,024,729, 1,877,724, M. Gustin, Footwear; Des. 97,282, same, Shoe, D. C., S. D. N. Y., Doc. E 82/102, *M. Gustin et al.* v. *M. Feldman et al.* (*Imperial Slipper Co.*). Consent decree for plaintiff as to defendants Feldman, Schlesser and Pearlman (Imperial Slipper Co.) (notice Mar. 28, 1936).

2,030,020, Groene & Meyer, Chuck; 1,843,359, W. F. Groene, Double center drive crank-shaft lathe, filed Mar. 10, 1936, D. C., E. D. Mich., N. Div., Doc. 577, *The R. K. Le Blond Machine Tool Co.* v. *Wickes Bros.*

Re. 15,061, Cantrell & Miller, Oil retainer, D. C., N. D. Ill., E. Div., Doc. 14725, *National Motor Bearing Co., Inc.*, v. *Gits Bros. Mfg. Co.* Dismissed by stipulation Mar. 2, 1936.

Re. 17,180, C. T. Hibbard, Method and means for starting synchronous motors, D. C., S. D. N. Y., Doc. E 59/278, *Electric Machinery Mfg. Co.* v. *General Electric Co.* Decree for plaintiff (notice Mar. 25, 1936).

Re. 17,631 (of 1,716,590), A. R. Lytle, Nonferrous welding rod, filed Mar. 19, 1936, D. C. Minn., 4th Div., Doc. E 2918, *Oxweld Acetylene Co.* v. *Smith Welding Equipment Corp.*

Re. 17,779 (of 1,667,794), R. Michl, Synchronous motor especially for driving clocks; 1,835,505, J. I. Liner, Synchronous clock motor, D. C., N. D. Ohio, W. Div., Doc. E 1231, *The Hammond Clock Co.* v. *The Electric Auto-Lite Co. et al.* Dismissed Mar. 19, 1936.

Re. 18,211, D. Tulchin, Turnstile, D. C., E. D. N. Y., Doc. E 7257, *D. Tulchin* v. *Perey Mfg. Co., Inc., et al.* Decree for defendant dismissing bill Mar. 30, 1936.

Re. 18,579. (See 1,403,475.)

Re. 19,117. (See 1,339,066.)

Des. 88,980. (See 1,777,824.)

Des. 94,662, W. R. Buxton, Flexible pocket receptacle, filed Mar. 23, 1936, D. C., S. D. N. Y., Doc. E 82/316, *W. B. Buxton* v. *Gimbel Bros., Inc.*

Des. 97,282. (See 2,024,729.)

Des. 98,815, A. Sisselman, Coat, filed Mar. 27, 1936, D. C., S. D. N. Y., Doc. E 82/335, *A. Sisselman* v. *H. Lefkowitz, Inc.*

T. M. 72,228, Martell & Co., Cognac brandies, D. C., N. D. Ill., E. Div., Doc. 14883, *J. B. Martell* (*Martell & Co.*) v. *Chicago Beverage Co. et al.* Consent decree enjoining defendants Dec. 2, 1935.

T. M. 114,576, J. Thompson & Bro., Whisky, D. C., N. D. Ill., E. Div., Doc. 14938, *Glenmore Distilleries Co.* v. *R. Liska & Sons, Inc.* Consent decree holding trade-mark valid and infringed; injunction granted Mar. 16, 1936.

T. M. 157,669, The P. W. Drackett & Sons Co., Chemical for cleaning drains, sinks, wash bowls, etc., D. C., N. D. Ill., E. Div., Doc. 14800, *The Drackett Co.* v. *Drain-King Corp. et al.* Dismissed without prejudice Mar. 16, 1936.

T. M. 202,413, General Motors Corp., Motor driven vehicles, D. C., N. D. Ill., E. Div., Doc. 14950, *General Motors Corp.* v. *W. H. Schurman et al.* Defendant enjoined Jan. 8, 1936.

T. M. 331,848. (See 2,021,169.)

Adjudicated Patents

(D. C. N. H.) Smith patent, No. 1,262,860, for incubator, claim 1 *Held* infringed. *Smith* v. *Thurrell*, 13 F. Supp. 937.

(D. C. Ind.) Garrison patent, No. 1,386,698, for automatic furnace, claims 1 and 3 *Held* invalid. *Iron Fireman Mfg. Co.* v. *Industrial Engineering Corporation*, 13 F. Supp. 995.

(C. C. A. Ill.) Lewis and Cooke patent, No. 1,392,584, for art of distilling petroleum-oils, claims 2 and 5 *Held* invalid. *Standard Oil Co.* v. *Globe Oil & Refining Co.*, 82 F.(2d) 488.

(D. C. Md.) Winkler and Dunnebier patent, No. 1,396,906, for envelope roller folding-machine in combination with a close-flap gumming machine, claim 2 *Held* valid and infringed. *Baltimore Paper Co.* v. *Oles Envelope Co.*, 13 F. Supp. 951.

(D. C. Del.) De Forrest patent, No. 1,507,016, for radiosignaling system, *Held* valid and infringed. *Radio Corporation of America* v. *Collins Radio Co.*, 13 F. Supp. 976.

(D. C. Del.) De Forrest patent, No. 1,507,017, for wireless telegraph and telephone system, *Held* valid and infringed. *Id.*

(D. C. Ind.) Banfield patent, No. 1,778,349, for time control for stokers, claims 1 and 2 *Held* invalid. *Iron Fireman Mfg. Co.* v. *Industrial Engineering Corporation*, 13 F. Supp. 995.

(C. C. A. Ill.) Shaeffer and Brown patent, No. 1,851,526, for cracking system, claims 1 and 2 *Held* invalid. *Standard Oil Co.* v. *Globe Oil & Refining Co.*, 82 F.(2d) 488.

(D. C. N. Y.) Hibbard reissue patent, No. 17,180, for method and means for starting synchronous motors, claims 1 to 3, 6 to 9, 12 to 15, 20, 21, 40, and 43 *Held* valid and claims 8, 12, 40, and 43 *Held* infringed. *Electric Machinery Mfg. Co.* v. *General Electric Co.*, 13 F. Supp 940.

Disclaimers

Des. 93,715.—*Herbert H. Harris*, New York, N. Y. A VANITY CASE OR SIMILAR ARTICLE. Patent dated October 30, 1934. Disclaimer filed May 14, 1936, by the patentee.

Hereby disclaims the subject-matter of the claim of the said Letters Patent, except when the design covered by such claim includes the ornamentation of the surface of the article embodying the design, substantially as shown in Figure 1 of the drawings of said Letters Patent.

1,828,466.—*Curtis L. Henderson*, Wichita, Kans. OIL REFINING. Patent dated October 20, 1931. Disclaimer filed April 25, 1936, by the assignee, *Gasoline Products Company, Inc.*

Hereby enters this disclaimer to claims 3, 6, 7, and 8 of the aforesaid Letters Patent.

1,895,774.—*Florent E. A. Smets* and *Carl F. Hansen*, Paris, France. SIGNAL SHAPING CIRCUIT. Patent dated January 31, 1933. Disclaimer filed May 14, 1936, by the assignee, *Western Electric Company, Incorporated.*

Hereby enters this disclaimer to claim 1 of said Letters Patent.

1,916,315.—*Charles Thomas Hoffman*, Washington, D. C. MEANS FOR AUTOMATICALLY DEFROSTING REFRIGERATING UNITS. Patent dated July 4, 1933. Disclaimer filed May 8, 1936, by the assignee, *Lloyd M. Keighley.*

Hereby enters this disclaimer to claims 47, 48, 49, and 50 of the specification.

1,938,762.—*Frederick S. Haas*, Cincinnati, Ohio. GRINDING MACHINE. Patent dated December 12, 1933. Disclaimer filed May 11, 1936, by the patentee; the assignee, *Cincinnati Grinders Incorporated*, concurring and consenting.

Hereby enters this disclaimer to claims 1 and 19 of said patent.

1,970,841.—*Robert B. Cottrell*, Chicago, Ill. TRUCK. Patent dated August 21, 1934. Disclaimer filed May 11, 1936, by the patentee; the assignee, *American Steel Foundries*, approving.

Hereby disclaims claims 24 and 25 of said patent.

2,000,990.—*Arthur L. Samuel*, Orange, N. J. ELECTRON DISCHARGE DEVICE. Patent dated May 14, 1935. Disclaimer filed May 9, 1936, by the assignee, *Bell Telephone Laboratories, Incorporated*.

Hereby enters this disclaimer to the subject-matter of claims 1, 4, 5, and 13 of said Letters Patent, to wit:

Your petitioner disclaims from the scope of claim 1 any electron discharge device as therein defined except such electron discharge device wherein the insulating means is in close proximity to the electron receiving electrode and relatively remote from the electron emitting electrode.

Your petitioner disclaims from the scope of claim 4 any Barkhausen oscillator as therein defined except such Barkhausen oscillator wherein the insulating means is immediately adjacent and in contact with the electron receiving electrode.

Your petitioner disclaims from the scope of claim 5 any electron discharge device as therein defined except such electron discharge device wherein the insulating shield is disposed in immediate proximity to the electron receiving electrode and is carried thereby.

Your petitioner disclaims from the scope of claim 13 any electron discharge device as therein defined except such electron discharge device wherein the insulating shielding means is in close proximity to the wires of the electrode and is supported thereby.

Trade-Mark Registrations Canceled

14,251. Natural aperient water. A. Saxlehner, Budapesth, Austria-Hungary. (Hunyadi Janos Corporation, assignee.) Registered April 5, 1887. Renewed April 5, 1917. Canceled April 30, 1936.

14,252. Natural aperient water. A. Saxlehner, Budapesth, Austria-Hungary. (Hunyadi Janos Corporation, assignee.) Registered April 5, 1887. Renewed April 5, 1917. Canceled April 30, 1936.

58,192. Certain named meats. The John C. Roth Packing Co., Cincinnati, Ohio. Registered December 11, 1906. Canceled May 13, 1936.

62,185. Lard. The John C. Roth Packing Co., Cincinnati, Ohio. Registered April 23, 1907. Canceled May 13, 1936.

144,348. Motor fuel-oil. Benzolene Motor Fuel Co., Chicago, Ill. Registered July 5, 1921. Canceled May 13, 1936.

174,210. Hosiery. Robischon Corporation, New York, N. Y. Registered October 9, 1923. Canceled April 30, 1936.

178,764. Beverages and syrups for making same. William F. Stoecker, doing business as Cleo Products Co., Omaha, Nebr. Registered January 22, 1924. Canceled May 13, 1936.

194,115. Self-rising wheat flour. Birdsey Flour Mills, Macon, Ga. Registered January 13, 1925. Canceled April 30, 1936.

303,411. Coats. Sam W. Hershinger, Inc., New York, N. Y. Registered May 23, 1933. Canceled April 30, 1936.

304,997. Certain named chemical preparations, Nellie Silverstein, doing business as Vi-Vu Products, New York, N. Y. Registered July 25, 1933. Canceled April 30, 1936.

329,215. Certain named hand and machine tools for agricultural purposes. R. Herschel Manufacturing Co., Incorporated, Peoria, Ill. Registered October 22, 1935. Canceled April 30, 1936.

333,169. Vitamin D concentrate. Nutrition Research Laboratories, Inc. Registered March 10, 1936. Canceled May 13, 1936.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 2, 1936

[VOL. 467. No. 1]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 368,732. ANGELO BROTHERS LIMITED, Calcutta, India. Filed Aug. 27, 1935.

DELTA

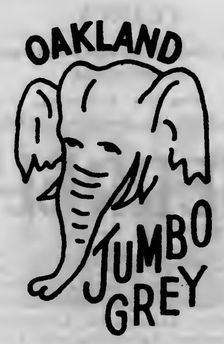
For Gum Shellac.
Claims use since June, 1933.

Ser. No. 368,792. AMERICAN HATTERS AND FURRIERS COMPANY, INCORPORATED, Danbury, Conn. Filed Aug. 29, 1935.

BLUE BAG

For Fur, Particularly Fur and Fur Fibers Carroted, or Prepared, for the Making of Felt and the Like.
Claims use since Feb. 14, 1935.

Ser. No. 374,979. OAKLAND FUR DYEING CO., INC., Brooklyn, N. Y. Filed Feb. 18, 1936.



The word "Grey" is disclaimed apart from the mark.
For Dyed Furs.
Claims use since Jan. 16, 1936.

Ser. No. 376,036. CANADIAN FUR TRAPPERS CORPORATION, New York, N. Y. Filed Mar. 16, 1936.



The words "Bonded", "Canadian", "Seal", "Dyed", and "Coney" are disclaimed apart from the mark.
For Fur Pelts.
Claims use since Sept. 1, 1919.

Ser. No. 376,120. B. D. EISENDRATH TANNING COMPANY, Chicago, Ill. Filed Mar. 18, 1936.

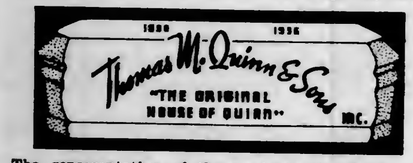


The word "Calf" is disclaimed apart from the mark shown.
For Leather.
Claims use since Aug. 1, 1935.

CLASS 2

Receptacles

Ser. No. 377,168. THOMAS M. QUINN & SONS, INC., Long Island City and New York, N. Y. Filed Apr. 13, 1936.



The representation of the goods is disclaimed apart from the mark.
For Coffins.
Claims use since Dec. 17, 1935.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 371,603. PAUL PETER MÜLHENS, doing business as Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" Gegenüber der Pferdepost von Ferd. Mülhens, Cologne, Germany. Filed Nov. 15, 1935.

Karat

For Soaps, Toilet Soaps, Shaving Soaps, a Cleaning Preparation for Removing Spots, Glycerine Soaps, Bath Soaps, Cream Soaps, Liquid Glycerine Soaps, Silver Cleaning Soaps, Shaving Sticks.
Claims use since Oct. 20, 1935.

Ser. No. 376,641. POLISHINE INC., Rochester, N. Y. Filed Mar. 31, 1936.



The drawing is lined for red. The words "Trade-Mark" are disclaimed apart from the mark as shown.
For Shoe Polishes of All Kinds and Colors.
Claims use since Mar. 13, 1936.

Ser. No. 377,203. INDUSTRIAL CHEMICAL PRODUCTS CO., Detroit, Mich. Filed Apr. 10, 1936.

SOL KLEAN

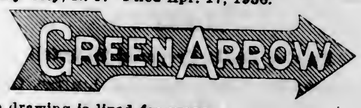
The word "Klean" is disclaimed apart from the mark.
For Preparation to be Used as a Fabric Cleaner and for Washing and Cleaning Surfaces and Materials Generally in Industrial and Household Use.
Claims use since 1930.

Ser. No. 377,286. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Apr. 16, 1936.

Tavern

For Composition for Cleaning Painted, Varnished, and Lacquered Surfaces, Tile, and Porcelain; a Composition for Cleaning Window Glass; a Composition for Cleaning Textile Fabrics; a Composition for Cleaning and Polishing Leather; and a Wax Impregnated Polishing Pad for Automobiles and Furniture.
Claims use since Apr. 2, 1936.

Ser. No. 377,303. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed Apr. 17, 1936.



The drawing is lined for green.
For Soap and Soap Chips.
Claims use since June 26, 1920.

Ser. No. 377,478. THE SHEFFIELD COMPANY, New London, Conn. Filed Apr. 21, 1936.



BEACHWHITE

For Shoe Cleaner.
Claims use since Apr. 1, 1936.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 360,677. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Jan. 25, 1935. Under 10-year proviso.

MERRELL

For Alcohols for Medical Use, Alkaloids, Alteratives, Analgesics, Anaphrodisiacs, Anesthetics, Anodynes, Anthelmintics, Antacids, Antichlorotics, Anti-emetics, Antiepileptics, Antigalactagogues, Antigonorrheics, Antihidrotics, Antilithics, Antineuralgics, Antiparasitics, Antiperiodics, Antiphlogistics, Antipyretics, Antirheumatics, Antiscorbutics, Antiseptics, Antisialagogues, Antispasmodics, Antizymotics, Aperients, Aphrodisiacs, Aromatics, Astringents; Biological Preparations, viz: Antitoxins, Bacteriophage Lysates, Bacteriophage Ointments, Sera, Toxins, Vaccines, and Toxoids; Bleaches, Carminatives, Cathartics,

Cerates, Cholagogues, Coagulents, Cold Creams, Concentrations, Constructives; Cordials for Medical Use as a General Tonic and in the Treatment of Various Diseases and Ailments Such as Dysmenorrhea, Amenorrhea, Threatened Abortion, Rigid Os, Post-Partum Hemorrhage, Nervous Disorders of Pregnancy, Menorrhagia, Hysteria, and in Colic and Cramps of Intestines, Bile Ducts, Ureters and the Muscular System Generally, and Nervous Affictions Attended with Congestion of the Cord and Ganglionic Centers; Counterirritants, Decolorizers, Demulcents, Dentifrices, Deodorants, Deoxidisers, Depilatories, Depressants, Diaphoretics, Digestives, Digestive Preparations, Discutients, Disinfectants, Diuretics, Douche Preparations, Ecbolics, Effervescent Salts, Elixirs, Emetics, Emmenagogues, Errhines, Escharotics, Excitants, Expectorants, Extracts for Medicinal Use, Flavoring Preparations for Medical Use, Galactagogues, Germicides, Gland Preparations, Glyceroles, Hemotinics, Hemostatics, Hypnotics, Hypodermics, Irritants, Laxatives, Lime Water Tablets, Liniments, Lotions, Medicinal Absorbents, Mydriatics, Myotics, Nasal Inhalants, Narcotics, Nervines, Nutrients, Medicinal Oils for Internal and External Uses; Animal, Vegetable, and Mineral Oils for Medical Use; Ointments, Oxytocics, Petrolatum Medicinal Products, Plasters, Prophylactics, Proteins, Ptyalagogues, Purgatives, Pustulants, Refrigerants (Medicinal), Resinoids, Resolvents, Restoratives, Rubbing Preparations, Rubefacients, Saccharine for Medical Use, Sedatives, Sialagogues, Shampoo, Soporifics, Medicinal Spirits, Sterilizing Preparations, Sternutatories, Stimulants, Stomachics, Styptics, Sudorifics; Suppositories for Use in the Treatment of Diseases Such as Vaginitis, Metritis, Venereal Diseases, Hemorrhoids, and Constipation; Syrups for Medicinal Use; Teniafuges, Tinctures; Beef, Iron, and Wine Tonic N. F.; Tonics for Internal and External Body Uses, Vasoconstrictors, Vasodilators, Vermicides, Vesicants, Virus for Medical Use, and Medicinal Wines.
Claims use since Jan. 1, 1828.

Ser. No. 362,598. NATHAN SCHULMAN, doing business as Naturade Products Co., Long Beach, Calif. Filed Mar. 15, 1935.

Kolen-Ade

For Preparation for Treating the Intestinal Tract.
Claims use since March, 1932.

Ser. No. 362,599. NATHAN SCHULMAN, doing business as Naturade Products Co., Long Beach, Calif. Filed Mar. 15, 1935.



The word "Tablets" is disclaimed apart from the mark shown.
For Preparation to be Used as a Laxative.
Claims use since July, 1934.

Ser. No. 364,304. MARY SCOTT ROWLAND, LTD., Jersey City, N. J. Filed Apr. 27, 1935.

INTERCHANGEABLE

For Permanent Wave Lotion.
Claims use since Apr. 8, 1935.

Ser. No. 368,118. DR. AUGUST WOLFF, SUDBRACKER NAHRMITTELFABRIK KOM.-GES., Bielefeld, Germany. Filed Aug. 8, 1935.

Apicosan

For a Solution of Bee's Toxin for Hypodermic Injection for Treating Rheumatism and Gout.
Claims use since October, 1925.

Ser. No. 372,079. BIENAIMÉ, SOCIETÉ ANONYME, Neuilly-sur-Seine, Seine, France. Filed Nov. 29, 1935.

PARFUM VERMEIL

The word "Parfum" is disclaimed.
For Perfumes, Toilet Water, Face Powder, Talcum Powder, Bath Salts, Rouge, Lip Sticks, Dusting Powder, Cold Creams, Sachet, Brilliantine, Powder and Rouge Compacts.
Claims use since March, 1935.

Ser. No. 372,852. PENOLA INC., Pittsburgh, Pa. Filed Dec. 19, 1935.

OLEOTOX

For Compounds for Destroying Noxious Plant Growths.
Claims use since Mar. 6, 1935.

Ser. No. 373,431. HUGH SELLERS, doing business as Hugh Sellers & Company, Washington, D. C. Filed Jan. 7, 1936.

Sellers
VERM-A-FOOD

The word "food" is disclaimed apart from the mark as shown.
For Vermicidal Preparation for Animals Other Than Birds and Fowls.
Claims use since Dec. 20, 1935.

Ser. No. 373,622. A. O. SCHMIDT, doing business as A. O. Schmidt Co., San Francisco, Calif. Filed Jan. 13, 1936.

SANADORA

For Non-Irritating Powder for the Treatment of Wounds, Cuts, Burns, and Sores, and for a Gargle, Spray, and Douche.
Claims use since Jan. 7, 1936.

Ser. No. 374,435. SAL-CO-SEL LABORATORIES, Orange, Calif. Filed Feb. 3, 1936.

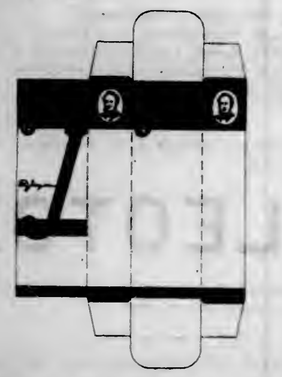


The drawing is lined for green.

For Preparation for Use in the Relief of Colds, Headaches and Neuralgia and for Neutralizing Acid Conditions.

Claims use since Dec. 1, 1935.

Ser. No. 374,523. DR. D. JAYNE & SON, INC., Philadelphia, Pa. Filed Feb. 5, 1936.



The outline of a carton is disclaimed. The words "Philadelphia, U. S. A." are disclaimed apart from the mark. The representation of a man and the facsimile signature are those of Dr. D. Jayne, deceased.

For Medicinal Preparations for the Treatment of Acidosis, Anemia and Other Affections of the Blood, Bruises, Constipation, Coughs, Diarrhœa, Dyspepsia, Fatigue, Flatulency, Functional Debility, Gastric Irritations, Headaches, Heartburn, Hyperacidity, Indigestion, Intestinal Irritations, Liver Complaint, Loss of Appetite, Strength, and Weight, Muscular Aches and Pains, Physical Debility, Rheumatic Aches, Irritations and Pains, Sour Stomach, Sprains, Stomach Disorders, Stomach Distress, Strained Ligaments and Muscles, Worms, and All Other Such Analogous Similar or Related Human Ailments or Pathological Conditions in or for the Treatment of Which it May be Necessary or Advisable to Apply or Administer Alteratives, Aperients, Balsams, Blood Building, Fortifying, Purifying, Regulating and Renovating Agents, Body Building, Invigorating and Strengthening Agents, Bone Building and Strengthening Agents, Carminatives, Cathartics, Cough Syrups, Creams, Digestives, Elixirs, Emetics, Expectorants, Laxatives, Liniments, Ointments, Poultices, Purgatives, Salves, Stimulants, Tissue Building, Renovating Strengthening Agents, Tonics, Vermifuges, and Vitamins.

Claims use since Jan. 1, 1936.

Ser. No. 374,665. JAMES L. INGRAM, doing business as Ingram Brine Products Co., Los Angeles, Calif. Filed Feb. 10, 1936.

INGRAM'S
LIQUID-ENE

The term "Liquid" is disclaimed apart from the mark.

For Preparation for Curing Meat.

Claims use since Dec. 1, 1935.

Ser. No. 374,829. THE GIRDLER CORPORATION, Louisville, Ky. Filed Feb. 14, 1936.

NACOLL

For Amino Compounds Comprising or Including Sodium Salt of N-dimethylglycine.

Claims use since Jan. 18, 1935.

Ser. No. 375,029. GEORGE SUMMERS, Miami, Okla. Filed Feb. 19, 1936.

Summers' VDR Compound

The word "Compound" is disclaimed apart from the mark as shown.

For Medicinal Preparation for External Use Recommended for the Treatment of Varicose Veins, Dropsy, Rheumatism, Tonsilitis, Sore Throat, Sprains, Bruises, Piles, and Analogous Distressing Ailments.

Claims use since January, 1933.

Ser. No. 375,037. CONTRACT WATERPROOFING COMPANY, St. Louis, Mo. Filed Feb. 20, 1936.

USE
TERMI-PROOF
METHOD FOR
TERMITE CONTROL
CONTRACT WATERPROOFING CO.

All wording except "Termi" and "Contract Waterproofing Co." are disclaimed apart from the mark as shown.

For Preparation for Use in Exterminating Termites.

Claims use since Aug. 1, 1935.

Ser. No. 375,290. FORD HOPKINS COMPANY, doing business as Creo-Dyne Laboratories, Chicago, Ill. Filed Feb. 27, 1936.

CREO-DYNE

For Emulsion for Use in Treating Coughs and Colds.

Claims use since Mar. 1, 1934.

Ser. No. 375,647. EDGAR LEVY, doing business as Promotone Company, Natchitoches, La. Filed Mar. 6, 1936.

PROMOTONE

For Ointment for Skin Diseases.

Claims use since Aug. 1, 1907.

Ser. No. 375,651. LINDSAY RIPE OLIVE COMPANY, Lindsay, Calif. Filed Mar. 6, 1936.



The word "Olive" is disclaimed apart from the mark. The outline of a label is disclaimed.

For Scalp and Skin Lotion.

Claims use since November, 1935.

Ser. No. 375,947. PARFUMERIE ST. DENIS, New York, N. Y. Filed Mar. 18, 1936.

VOTRE BEAUTÉ

For Astringents, Astringent Cerates, Beauty Creams, Bleach Creams, Cold Creams, Cleansing Creams, Obesity Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Skin Whitener in Liquid and Solid Forms, Eyebrow and Eyelash Grower, Eye Drops, Eye Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Smelling Salts, Lipsticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.

Claims use since Jan. 13, 1936.

Ser. No. 375,973. BETTER DRUG PRODUCTS INC., Tulsa, Okla. Filed Mar. 14, 1936.



For Deodorant.

Claims use since October, 1935.

Ser. No. 376,013. U. S. VITAMIN CORPORATION, Dover, Del. Filed Mar. 14, 1936.

VI-SYNERAL

For Preparations Containing Various Vitamins and Minerals for Medicinal, Corrective, and Nutritional Purposes.

Claims use since Mar. 7, 1936.

Ser. No. 376,087. HARWOODS, CHEMISTS, LIMITED, Watford, England. Filed Mar. 17, 1936.

HYDRAMILON

For Medicated Preparations for Human Use in the Treatment of Syphilis.

Claims use since December, 1935.

Ser. No. 376,093. CHARLES F. MARTIN, doing business as Martin Pharmacal Co., Fairmont, W. Va. Filed Mar. 17, 1936.

DIGESTANS

For Medicinal Preparation for the Relief of Acid Indigestion, Heartburn, Sour Stomach, Formation of Gas and Distress After Eating.

Claims use since Feb. 10, 1936.

Ser. No. 376,101. PHILLIPS PETROLEUM COMPANY, Bartlesville, Okla. Filed Mar. 17, 1936.

PERCOSOL

For Chemical Product Used to Dissolve Deleterious Material in Oil Bearing Strata and Oil Well Equipment.

Claims use since Dec. 30, 1935.

Ser. No. 376,118. LILLY DACHÉ, INC., New York, N. Y. Filed Mar. 18, 1936.

Lilly Daché

Trade-mark is the signature of Lilly Daché, president of Lilly Daché, Inc.

For Perfume, Toilet Water, Eau de Cologne, Face Powder, Sachet Powder, Lotions for the Skin and Hair, Brilliantine, Powder Compacts, Rouge Compacts, Manicure Preparations, Including Cuticle Remover, Nail White, Powder Polish, Paste Polish, Cuticle Cream, Cuticle Oil, Liquid Polish and Polish Solvent, Lipstick, Rouge, Talcum Powder, Dusting Powder, Face Creams, and Bath Salts.

Claims use since Sept. 6, 1935.

Ser. No. 376,257. JACK JOSEPH NEWELL & COMPANY, San Francisco, Calif. Filed Mar. 20, 1936.

SULPHOTONE

For Sulphur Compound for Use as a Bathing Preparation for the Treatment of Rheumatic Condition and Skin Eruptions.

Claims use since Jan. 1, 1935.

Ser. No. 376,298. ROSCOE M. NICHOLSON, doing business as Nicholson Chemical Co., Los Angeles, Calif. Filed Mar. 23, 1936.

ARMY—NAVY

For Preventative for Venereal Disease.
Claims use since Jan. 16, 1936.

Ser. No. 376,525. BONNE BELL, INC., Cleveland, Ohio. Filed Mar. 28, 1936.



The word "Gardenia" is disclaimed apart from the mark.
For Toilet Water and Perfume.
Claims use since October, 1927

Ser. No. 376,957. PACQUIN LABORATORIES CORPORATION, New York, N. Y. Filed Apr. 8, 1936.



For Preparations Used in the Care and Treatment of the Hair.
Claims use since Feb. 6, 1936.

Ser. No. 376,978. EVELYN HORNSBY MIMS, Fort Worth, Tex. Filed Apr. 9, 1936.

Blue-Bonnet

For Cosmetics—Namely, Perfume, Cologne, Sachet, and Face Powder; Skin and Hair Lotions and Creams; and Rouge and Lip-Stick.
Claims use since Aug. 1, 1935.

Ser. No. 377,127. PARK LABORATORY COMPANY, INC., San Antonio, Tex. Filed Apr. 11, 1936.



For Preparation Used in the Treatment of Nose and Throat Irritations.
Claims use since Nov. 8, 1932.

Ser. No. 377,236. SANDOZ CHEMICAL WORKS, INC., New York, N. Y. Filed Apr. 15, 1936.

NEO-"CALGLUCON"

For Medicinal Preparation Intended for Use in Intravenous and Intramuscular Calcium Therapy.
Claims use since Mar. 13, 1936.

Ser. No. 377,327. CHARLES A. SIMPSON, doing business as Simpson Chemical Company, Medway, Mass. Filed Apr. 17, 1936.

SIMOL

For Medical and Dental Preparation in Powder and Liquid Form for the Teeth and Gums.
Claims use since 1903.

Ser. No. 377,371. CEDRIC STEGER, doing business as Servad Laboratories, New York, N. Y. Filed Apr. 18, 1936.

PROCRASTIN

For Preparation for Male Sex Organs.
Claims use since Sept. 12, 1935.

Ser. No. 377,405. MONSANTO CHEMICAL COMPANY, St. Louis, Mo. Filed Apr. 20, 1936.

SANTOBRITE

For Preservatives for Wood, Lumber, and Other Cellulosic Materials.
Claims use since Apr. 2, 1936.

Ser. No. 377,473. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed Apr. 21, 1936.



For Silicate of Soda, Either Anhydrous, Hydrated, or in Solution.
Claims use since Apr. 9, 1936.

CLASS 7

Cordage

Ser. No. 375,554. NAAMLOOZE VENNOOTSCHAP VEREENIGDE TOUWFABRIEKEN, Rotterdam, Netherlands. Filed Mar. 4, 1936.



The representation of a ball of twine is disclaimed except as shown.
For Bindertwine.
Claims use since Jan. 1, 1923.

CLASS 8

Smokers' Articles, Not Including Tobacco Products

Ser. No. 376,490. PARK-SHERMAN CO., Chicago, Ill. Filed Mar. 27, 1936.



For Ash Tray Sets.
Claims use since Feb. 16, 1936.

Ser. No. 376,596. LONDON HOUSE, LTD., New York, N. Y. Filed Mar. 30, 1936.

MR. PICKWICK

For Smokers' Pipes.
Claims use since Feb. 18, 1936.

CLASS 11

Inks and Inking Materials

Ser. No. 375,859. LEWIS ROBERTS, Newark, N. J. Filed Mar. 11, 1936.

MONASTERY BLUE

The word "Blue" is disclaimed apart from the word "Monastery".
For Printing Inks.
Claims use since Feb. 1, 1936.

CLASS 12

Construction Materials

Ser. No. 376,603. HORACE H. NEWMAN, doing business as Plas-A-Tone Sales Co., New Orleans, La. Filed Mar. 30, 1936.

PREFABO

For Prefabricated Wall Board.
Claims use since Feb. 27, 1936.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 363,054. HANS K. LORENTZEN, New York, N. Y. Filed Mar. 27, 1935.



No claim is made to the words "Trade Mark".
For Venetian Blind Hardware and Fittings.
Claims use since Mar. 1, 1935.

Ser. No. 372,748. REPUBLIC STEEL CORPORATION, Youngstown, Ohio. Filed Dec. 17, 1935.



The illustration of the flanged post and its body color form no part of the trade-mark per se. Trade-mark consists of ivory colored polygons applied in parallel rows to the studs of the post. The drawing is lined for the color green.
For Metallic Fence Posts.
Claims use since Nov. 7, 1935.

Ser. No. 374,232. CRANE CO., Chicago, Ill. Filed Jan. 29, 1936.

CORONADA-LAVINET

For Lavatories, Towel Bars, and Bathroom Fixtures—Namely, Soap Dishes, Tumbler Holders, Robe Hooks, Paper Holders, and Supply and Waste Fixtures.
Claims use since Dec. 1, 1935.

Ser. No. 376,077. ERWIN L. WEBER, Seattle, Wash. Filed Mar. 16, 1936.



The hexagon and circles are outlines of the cap of the elbow and are not claimed as a part of the trade-mark.
For Equalizing Non-reflux Elbows to Equalize the Flow of a Fluid Through Various Units, Such as Radiators, in a Circulating System.
Claims use since Jan. 1, 1932.

Ser. No. 376,260. MAID-O'-MIST, INC., Chicago, Ill. Filed Mar. 23, 1936.

Auto-Vent

The word "Vent" is disclaimed apart from the mark.
For Automatic Float Type Air Relief Valve for Hot Water Radiators.
Claims use since Aug. 1, 1934.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 368,381. GEORGE W. PRENTISS & COMPANY, Holyoke, Mass. Filed Aug. 16, 1935.

VACMELT

For Metals—Namely, Nickel, Copper, and Iron, and Alloys Thereof in Combination with Other Elements—Namely, Chromium, Cobalt, Molybdenum, Beryllium, Aluminum, Calcium, Zirconium, Silicon, Carbon, and Manganese, and Wire, Ribbon, and Strip Made Therefrom.
Claims use since July 31, 1935.

Ser. No. 375,096. QUASI-ARC INCORPORATED, Ambler, Pa. Filed Feb. 21, 1936.

CELTO

For Electrodes for Electric Arc Welding.
Claims use since Aug. 1, 1935.

Ser. No. 376,256. SILVER ALLOY CORPORATION, New York, N. Y. Filed Mar. 23, 1936.



The words "Non-Tarnishing" are disclaimed apart from the mark shown.
For Alloy of Silver.
Claims use since July 15, 1935.

Ser. No. 376,595. THE LINCOLN ELECTRIC COMPANY, Cleveland, Ohio. Filed Mar. 30, 1936.

"Aerisweld"

The word "Weld" is disclaimed apart from the mark.
For Metallic Welding Electrodes.
Claims use since Mar. 9, 1936.

CLASS 15

Oils and Greases

Ser. No. 369,145. UNIVERSAL MOTOR OILS COMPANY, Wichita, Kans. Filed Sept. 9, 1935.

GRAPH-O-LITE

For Cup Grease and Gun Grease.
Claims use since Oct. 4, 1934.

CLASS 16

Paints and Painters' Materials

Ser. No. 374,118. ACME SHELLAC PRODUCTS CORPORATION, doing business as Arista Paint & Varnish Co., Long Island City, N. Y. Filed Jan. 27, 1936.

ARISTA

For Ready Mixed, Dry, Paste, or Powdered Paints—Namely, Flat Paints and Gloss Paint, Varnishes, Paint Enamels, Stains, Prepared Shellac, Color in Oil, Roof Coating, Lacquer, Calcimine.
Claims use since June, 1923.

Ser. No. 376,980. THE ACE COLOR CORPORATION, New York, N. Y. Filed Apr. 9, 1936.

K-ACE

For Casein Paint.
Claims use since Mar. 16, 1936.

CLASS 17

Tobacco Products

Ser. No. 376,574. CHRISTIAN PEPER TOBACCO COMPANY, St. Louis, Mo. Filed Mar. 30, 1936.

Crosby Square

For Tobacco Products, More Particularly Smoking Tobacco.
Claims use since Mar. 8, 1935.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 369,105. SAMSON-UNITED CORPORATION, Rochester, N. Y. Filed Sept. 7, 1935.

Airline

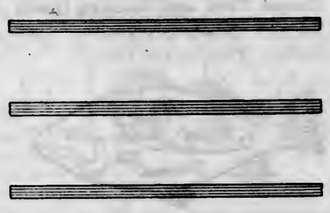
For Electrically Heated and Electrically Operated Utensils—Namely, Electric Toasters, Electric Waffle Irons, Electric Sandwich Grills, and Toasters.
Claims use since Apr. 15, 1935.

Ser. No. 369,316. WARD LEONARD ELECTRIC COMPANY, Mount Vernon, N. Y. Filed Sept. 14, 1935.



No claim to the omega symbol by itself is made.
For Electric Rheostats, Electric Illumination Control Apparatus for Affecting the Connections of Electric Light Circuits and the Current and Voltage, and of Electric Lighting Devices, Electric Motor Starters, Electric Motor Controllers for Affecting the Circuits and Operation of the Motors, Electric Resistors Both Fixed and Adjustable, Electric Circuit Breakers, Electric Rectifiers, Electric Theatre Dimmers, Electric Contactors, Electric Battery Charging Controllers, and Electric Circuit Controllers for Changing Circuit Connections in a Predetermined Manner and Otherwise.
Claims use since May 16, 1927.

Ser. No. 370,114. MOTOR MASTER PRODUCTS CORPORATION, Chicago, Ill. Filed Oct. 7, 1935.



MOTOR MASTER
BLUE CROWN

The drawing is lined for blue.
For Spark Plugs.
Claims use since Aug. 30, 1935.

Ser. No. 374,008. MAJOR EQUIPMENT CO. INC., Chicago, Ill. Filed Jan. 23, 1936.

MODULITE

For Electromagnetic Unit Providing Steps of Lighting Control for Stage Lighting Equipment.
Claims use since July, 1935.

Ser. No. 375,172. SAMSON-UNITED CORPORATION, Rochester, N. Y. Filed Feb. 24, 1936.

Safe-flex

The word "Safe" is disclaimed apart from the mark.
For Electric Fans.
Claims use since Feb. 5, 1936.

Ser. No. 375,173. SAMSON-UNITED CORPORATION, Rochester, N. Y. Filed Feb. 24, 1936.

VISU-HEAT

The word "Heat" is disclaimed apart from the mark.
For Electric Flatirons.
Claims use since Jan. 23, 1936.

Ser. No. 375,611. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Mar. 5, 1936.

SILVURN

For Electric Luminaires.
Claims use since Sept. 15, 1935.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 376,047. JOSEPH GUNDRY & CO. LIMITED, Bridport, England. Filed Mar. 16, 1936.



The word "Brand" is disclaimed apart from the mark.
For Fishing Nets and Fishing Lines.
Claims use since Nov. 1, 1925.

Ser. No. 377,066. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y. Filed Apr. 10, 1936.

Spun-Latex

The word "Latex" is disclaimed apart from the combination shown.
For Golf Balls.
Claims use since Mar. 28, 1935.

Ser. No. 377,212. THE CHECKORETE COMPANY, Baltimore, Md. Filed Apr. 15, 1936.

CHECKORETE

For Checker Games Designed to Be Played by Two, Three, and Four Players.
Claims use since Mar. 5, 1936.

Ser. No. 377,442. S. L. ALLEN & CO., INC., Philadelphia, Pa. Filed Apr. 21, 1936.

AIRLINE ACE

For Coasting Sleds.
Claims use since Mar. 12, 1936.

Ser. No. 377,443. S. L. ALLEN & CO., INC., Philadelphia, Pa. Filed Apr. 21, 1936.

AIRLINE CHIEF

For Coasting Sleds.
Claims use since Apr. 10, 1936.

Ser. No. 377,444. S. L. ALLEN & CO., INC., Philadelphia, Pa. Filed Apr. 21, 1936.

AIRLINE CRUISER

For Coasting Sleds.
Claims use since Apr. 10, 1936.

Ser. No. 377,445. S. L. ALLEN & CO., INC., Philadelphia, Pa. Filed Apr. 21, 1936.

AIRLINE PATROL

For Coasting Sleds.
Claims use since Mar. 12, 1936.

Ser. No. 377,446. S. L. ALLEN & CO., INC., Philadelphia, Pa. Filed Apr. 21, 1936.

AIRLINE PURSUIT

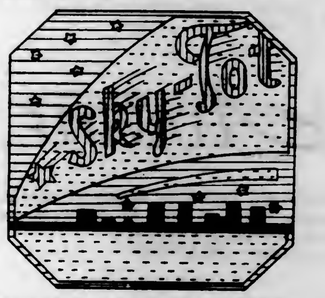
For Coasting Sleds.
Claims use since Mar. 12, 1936.

Ser. No. 377,483. DONALD EDWIN SPEER, doing business as The Bask-O-Ball Co., Indianapolis, Ind. Filed Apr. 21, 1936.

BASK-O-BALL

For Game Which Is a Miniature Variation of Basketball and May Be Played at Home.
Claims use since Feb. 1, 1935.

Ser. No. 377,636. JUNIOR TOY CORPORATION, Hammond, Ind. Filed Apr. 25, 1936.



The drawing is lined for red, blue, and silver.
For Children's Velocipedes.
Claims use since Jan. 10, 1936.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 358,823. JOHNS-MANVILLE CORPORATION, New York, N. Y. Filed Nov. 17, 1934.

EEL-SLIP

For Machinery Bearings and Negative Bearing Pieces and Blocks, in the Nature of Parts of More Comprehensive Machinery.
Claims use since June 10, 1934.

Ser. No. 367,489. BRISDUCK, INC., New York, N. Y. Filed July 20, 1935.

DEUTSCH

For All Manner and Kinds of Razors, Shears, Scissors, Knives of Base Metal, and Hair Clippers.
Claims use since Oct. 2, 1930.

Ser. No. 368,624. PACIFIC FOUNDRY COMPANY, LTD., San Francisco, Calif. Filed Aug. 23, 1935.

CORROSIRON

For Chemical Laboratory Equipment, Machinery and Parts of Machinery for Manufacturing and Concentrating Sulphuric, Nitric, and Other Acids, and Machinery for Handling Acids in Chemical Processes, Consisting of the Following: Condensers for Acids and Parts Thereof, Machinery for Dechlorinating and Parts Thereof, Denitrating Towers, Dehydrating Apparatus and Parts Thereof, Strainers, Stirrers, Stirrer Shoes, Acid-Agitators and Parts Thereof, Kessler Stills, Strainer Pots, Helicoid Conveyors, Scrapers for Sulphate-Furnaces, Acid Ejectors, Jet Blowers, Centrifugal Pumps, Plunger Pumps, Fans, Blowers, Machinery for Making Gun Cotton and Parts Thereof, Conveyors for Gun-Cotton Machinery, Cast Iron Acid-Resistant Evaporator Pans, Cast Iron Acid-Resistant Pots, Kettles and Tanks.
Claims use since February, 1918.

Ser. No. 369,939. WALGREEN CO., Chicago, Ill. Filed Oct. 2, 1935.

PO-DO

For Razor Blades.
Claims use since Sept. 4, 1935.

Ser. No. 373,047. THE LANE DRUG COMPANY, Toledo, Ohio. Filed Dec. 24, 1935.



The drawing is lined to indicate the colors red and green.
For Razor Blades.
Claims use since Dec. 28, 1930.

Ser. No. 374,044. DIESEL EQUIPMENT CORPORATION, New York, N. Y. Filed Jan. 24, 1936.



For Internal Combustion Engines, Fuel Injection Pumps for Internal Combustion Engines and Nozzles and Atomizers Used in Connection Therewith.
Claims use since Apr. 1, 1935.

Ser. No. 377,006. THE F. & N. LAWN MOWER COMPANY, doing business as The Henley Lawn Mower Co., Richmond, Ind. Filed Apr. 9, 1936.

AIRWAY

For Lawn Mowers.
Claims use since July 1, 1935.

Ser. No. 377,007. THE F. & N. LAWN MOWER COMPANY, doing business as The Henley Lawn Mower Co., Richmond, Ind. Filed Apr. 9, 1936.

GEM

For Lawn Mowers.
Claims use since July 1, 1933.

Ser. No. 377,008. THE F. & N. LAWN MOWER COMPANY, Richmond, Ind. Filed Apr. 9, 1936.

ALUMALITE

For Lawn Mowers.
Claims use since July 1, 1935.

Ser. No. 377,009. THE F. & N. LAWN MOWER COMPANY, doing business as The Henley Lawn Mower Co., Richmond, Ind. Filed Apr. 9, 1936.

EMPRESS

For Lawn Mowers.
Claims use since July 1, 1931.

Ser. No. 377,010. THE F. & N. LAWN MOWER COMPANY, doing business as The Henley Lawn Mower Co., Richmond, Ind. Filed Apr. 9, 1936.

RADIUM

For Lawn Mowers.
Claims use since July 1, 1932.

Ser. No. 377,011. THE F. & N. LAWN MOWER COMPANY, Richmond, Ind. Filed Apr. 9, 1936.

TITAN

For Lawn Mowers.
Claims use since July 1, 1924.

Ser. No. 377,032. THE SWEEPER-VAC COMPANY, Worcester, Mass. Filed Apr. 9, 1936.

TRIPLEX

For Vacuum Cleaners.
Claims use since Feb. 25, 1936.

Ser. No. 377,033. THE SWEEPER-VAC COMPANY, Worcester, Mass. Filed Apr. 9, 1936.

Zenith

For Vacuum Cleaners.
Claims use since Jan. 13, 1934.

CLASS 24

Laundry Appliances and Machines

Ser. No. 374,391. WILLIAMS OIL-O-MATIC HEATING CORPORATION, Bloomington, Ill. Filed Feb. 1, 1936.

WASH-O-MATIC

For Laundry Appliances—Namely, Domestic Electric Washing Machines and Parts Thereof.
Claims use since Nov. 26, 1935.

Ser. No. 376,929. EDITH M. ALLEN, Clarion, Iowa. Filed Apr. 8, 1936.

Co-Ed's Friend

For Hand Operated Laundering Implements, Particularly a Rubber Dasher Cup with Coaxial Handle.
Claims use since Feb. 15, 1936.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 375,959. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Mar. 13, 1936.

MARVELCHROME

For Photographic Film.
Claims use since Aug. 20, 1935.

CLASS 27

Horological Instruments

Ser. No. 376,235. WESTERN CLOCK COMPANY, Peru, Ill. Filed Mar. 20, 1936.

TRAVALARM

For Clocks and Watches.
Claims use since Jan. 24, 1936.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 376,863. ABRAHAM SAGER, doing business as Paramount Wedding Ring Company, Chicago, Ill. Filed Apr. 6, 1936.

LOVE-LORE

For Finger Rings and Wedding Rings.
Claims use since Mar. 10, 1936.

CLASS 31

Filters and Refrigerators

Ser. No. 374,863. STEWART-WARNER CORPORATION, Chicago, Ill. Filed Feb. 14, 1936.

SAV-A-STEP

No claim is made to the representation of a name plate per se.
For Household and Store Refrigerators for the Preservation of Foodstuffs.
Claims use since Oct. 15, 1935.

Ser. No. 374,912. STEWART-WARNER CORPORATION, Chicago, Ill. Filed Feb. 15, 1936.

STEWART S W WARNER

For Household and Store Refrigerators for the Preservation of Foodstuffs.
Claims use since Oct. 8, 1935.

CLASS 32

Furniture and Upholstery

Ser. No. 375,499. EMERSON GLASS CORPORATION, Jamestown, N. Y. Filed Mar. 3, 1936.



The word "Mirrors" is disclaimed apart from the mark. The drawing is lined for green and gold.
For Mirrors.
Claims use since Nov. 20, 1934.

Ser. No. 376,832. BURLINGTON BASKET COMPANY, Burlington, Iowa. Filed Apr. 6, 1936.

Baskenette

For Basket Cribs.
Claims use since Feb. 15, 1936.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 373,928. C. J. MCROBERTS, doing business as The McRoberts Co., Los Angeles, Calif. Filed Jan. 21, 1936.

Gaselec

For Gas-Burning Heating Stoves.
Claims use since Nov. 1, 1935.

Ser. No. 374,327. GLOBE AMERICAN CORPORATION, Kokomo, Ind. Filed Jan. 31, 1936.
The word "range" is disclaimed apart from the mark as shown.

GLOW MAID Dutch Oven RANGE

For Cook Stoves Burning Gas, Wood, and Coal.
Claims use since Dec. 15, 1934.

Ser. No. 374,521. HOLOPHANE COMPANY, INC., New York, N. Y. Filed Feb. 5, 1936.

R-R

For Glass and Combination Glass and Metal Globes and Reflectors.
Claims use since May 1, 1916.

Ser. No. 375,885. HOLOPHANE COMPANY, INC., New York, N. Y. Filed Mar. 12, 1936.

LOBAY

For Glass and Combination Glass and Metal Globes and Reflectors.
Claims use since February, 1934.

Ser. No. 375,936. FERRO-CO CORPORATION, Brooklyn, N. Y. Filed Mar. 13, 1936.

Ful-flo

For Radiator Enclosures.
Claims use since Oct. 15, 1935.

Ser. No. 376,291. MAID-O'-MIST, INC., Chicago, Ill. Filed Mar. 23, 1936.

Ol' Faithful

For Automatic Humidifiers for Low Pressure Steam Radiators.
Claims use since Aug. 1, 1934.

CLASS 35

Belting, Hose, Machinery Packing, and Nonmetallic Tires

Ser. No. 368,933. C. W. HANSLIP, doing business as Standard Brake Lining Co., Los Angeles, Calif. Filed Sept. 3, 1935.

STANDCO

For Asbestos Brake Lining, Sheet Packing of Woven Asbestos and/or Textile Material, and Clutch Facings.
Claims use since January, 1929.

Ser. No. 373,973. QUAKER CITY RUBBER COMPANY, Philadelphia, Pa. Filed Jan. 22, 1936.

The words "Philadelphia, Penna., U. S. A." per se are disclaimed.
For Rubber Inner Tubes, Rubber Machinery Packing, Fabric Machinery Packing, Rubber and Fiber Sheet Packing, Rubber and Fiber Hydraulic Packing, Valve Packing Disks, Rubber Belting, Fabric Belting, Fire Hose, Suction Hose, Air Hose, Gasoline Hose, Garden Hose.
Claims use since 1906, as to packing; since 1917, as to other goods.

Ser. No. 376,407. THE REPUBLIC RUBBER COMPANY, Youngstown, Ohio. Filed Mar. 25, 1936.

PROVAR PROCESS

The word "Process" is disclaimed apart from the mark as shown.
For Fire Hose of Rubber and Fabric Composition.
Claims use since Feb. 20, 1936.

Ser. No. 377,014. MICHIGAN LEATHER PACKING CO., Detroit, Mich. Filed Apr. 9, 1936.

MILPACO

For Grease and Oil Retainers of the Friction Type, Used to Seal the Space Between a Housing and a Rotating or Reciprocating Shaft—Namely, Retainers Made of Unitary Circular Rings of Felt, Leather or Composition; Retainers Made of Unitary Circular Rings of Felt, Leather or Composition, and Having a Spring Fitted Thereto; Retainers Made of Unitary Circular Rings of Felt, Leather or Composition Having a Spring Fitted Thereto, and the Whole Held Within a Cage or Shell of Ductile Steel, Brass or Aluminum.

Claims use since Feb. 1, 1932.

CLASS 37

Paper and Stationery

Ser. No. 372,969. NORMAN HARROWER, doing business as Linton Brothers & Company, Fitchburg, Mass. Filed Dec. 23, 1935.

GLOSSTONE

For Bristol Board.
Claims use since Oct. 10, 1935.

Ser. No. 374,693. SPEED SYSTEMS CORPORATION, New York, N. Y. Filed Feb. 10, 1936.

Speedreply LETTER SYSTEM

The words "Letter System" are disclaimed apart from the mark shown.
For Blank Letter Forms.
Claims use since Oct. 19, 1935.

Ser. No. 375,580. HOLDEN PATENT BOOK COVER COMPANY, Springfield, Mass. Filed Mar. 5, 1936.

BLUE BIRD

For Paper Covers for Books.
Claims use since Feb. 25, 1936.

Ser. No. 376,251. THE STERILEK COMPANY INC., Brooklyn, N. Y. Filed Mar. 21, 1936.

JEN-TEL

For Toilet Tissues.
Claims use since Jan. 2, 1936.

CLASS 39

Clothing

Ser. No. 366,145. GOTTLIEB BROS. MANUFACTURERS OF SILK UNDERWEAR INC., New York, N. Y. Filed June 13, 1935.

YOUTH MODE

The term "Youth Mode" is disclaimed apart from the mark.
For Ladies' and Misses' Undergarments—Namely, Slips, Nightgowns, Panties, Step-Ins, Pajamas, and Bloomers.
Claims use since May 1, 1935.

Ser. No. 367,892. COHEN, GOLDMAN & CO., INC., New York, N. Y. Filed Aug. 1, 1935.

Super-tex

For Men's, Boys', and Children's Outer Garments Consisting of Coats, Vests, Pants, Overcoats.
Claims use since Aug. 4, 1928.

Ser. No. 369,631. J. SCHOENEMAN, INCORPORATED, Baltimore, Md. Filed Sept. 23, 1935.

Air Conditioned

For Coats, Vests, Trousers, Knickerbockers, Topcoats, and Overcoats for Men, Youths, and Boys.
Claims use since Sept. 17, 1935.

Ser. No. 370,801. GREENSPOON CLOTHING CO., INC., St. Louis, Mo. Filed Oct. 25, 1935.

DUROVAL

For Men's and Boys' Wearing Apparel—Namely, Topcoats and Overcoats.
Claims use since Sept. 1, 1935.

Ser. No. 371,517. STERN BROTHERS, New York, N. Y. Filed Nov. 14, 1935.

PINCH PENNY

For Apparel for Men, Women, and Children—Namely, Bandeaus, Brassières, Panties, Bathrobes, Bathing Caps, Bathing Suits, Belts in the Nature of Garment Supporters, Garters or Hose Supports, Pajamas, Work Shirts and Dress Shirts, Berets, Bloomers, Underdrawers, Vests, Union Suits, Outer Skirts and Under Skirts, Knickers, Boots and Shoes of Leather, Fabric, and Rubber, and/or Combinations Thereof; Slippers, Riding Breeches, Caps and Hats, Cloaks and Suits, Fur Coats, Overcoats, Topcoats, Tuxedos, Vests, Trousers, Collars, Corsets, Neckties and Cravats, Dresses, Frocks, Fur Neck Pieces, Boas and Scarfs, Gloves of Leather, Fabric or Rubber, Girdles, Overalls, Raincoats, Rompers, Sandals Made of Rubber, Leather, or Fabric, or of Combinations of Such Materials, Sweaters, Sweater Coats, and Underwear.
Claims use since Nov. 7, 1935.

Ser. No. 375,337. MEN'S WEAR SALES CORPORATION, New York, N. Y. Filed Feb. 28, 1936.

LABORATORY TESTED & APPROVED MEN'S WEAR RESEARCH INSTITUTE

The words "Laboratory Tested & Approved" are disclaimed apart from the mark.
For Men's and Boys' Suits, Overcoats, Topcoats, Trousers, Knickers, Shorts, Pants, Hats, Caps, Dress Shirts, Negligee Shirts, Polo Shirts, Work Shirts, Leather Gloves, Fabric Gloves, Wool Gloves, Cotton Gloves, Mittens, Coats, Raincoats, Overalls, Leather Shoes, Fabric Shoes, Leather Slippers, Fabric Slippers, Rubbers, Galoshes, Leather and Wool Coats, Sweaters, Bathing Suits, Cravats, Scarfs, Underwear, Hosiery, Suspenders, Garters, Belts, Pajamas, Night Shirts, and Lounging Robes and Nightrobes for Men and Boys.
Claims use since Feb. 21, 1936.

Ser. No. 375,409. THE JOHN SHILLITO COMPANY, Cincinnati, Ohio. Filed Feb. 29, 1936.

Style Armor

The word "Style" is disclaimed except as shown.
For Boys' Clothing—Namely, Suits, Topcoats and Overcoats, Shorts, Knickers, Slacks, Wool Mackinaws and Jackets, and Leather Coats and Jackets.
Claims use since Feb. 15, 1936.

Ser. No. 375,571. MARCUS BREIER'S SONS, New York, N. Y. Filed Mar. 5, 1936.

SNOW TRAIN

For Wearing Apparel for Men, Women, and Children—Namely, Winter Sport Coats and Mackinaws of Leather, Wool, Cotton, or Silk, or Mixtures Thereof; Outer Sports Skirts; Knitted Sweaters; and Ski Parkas.
Claims use since Feb. 3, 1936.

Ser. No. 375,579. JOSEPH GUTTMAN & BROS., INC., New York, N. Y. Filed Mar. 5, 1936.

Dude Ranger Shirt

The word "Shirt" is disclaimed apart from the mark as shown.
For Women's and Misses' Knitted Dresses and Shirts.
Claims use since November, 1935.

Ser. No. 375,706. JONES KNITTING MILLS, Los Angeles, Calif. Filed Mar. 7, 1936.

ALL STAR



For Knit Goods—Namely, Sweaters, Bathing Suits, Swim Trunks, Hose, Scarfs; Slacks, Hats, and Caps for Men, Women, and Children; Dresses for Women and Children; Gloves and Mittens.
Claims use since Apr. 3, 1933.

Ser. No. 375,711. THE MAY DEPARTMENT STORES COMPANY, doing business as The May Company, Famous-Barr Company, and M. O'Neil Company, Baltimore, Md., Cleveland, Ohio, Denver, Colo., Los Angeles, Calif., St. Louis, Mo., and Akron, Ohio. Filed Mar. 7, 1936.

Melody

For Ladies' Silk Hosiery.
Claims use since Jan. 14, 1936.

Ser. No. 376,055. LOCKWEDGE SHOE CORPORATION OF AMERICA, INC., Columbus, Ohio. Filed Mar. 16, 1936.

Dr. M. W. Locke

Trade-mark consists of a facsimile of the signature of Dr. M. W. Locke.
For Women's Shoes of Leather and Fabric, and a Combination of These Materials.
Claims use since Feb. 25, 1936.

Ser. No. 376,128. MARVIN SHOE MFG. CO., INC., Brooklyn, N. Y. Filed Mar. 18, 1936.

MARVELPEDIC

The picture of the shoe is disclaimed apart from the mark.
For Ladies' and Misses' Shoes, Made of Leather, Fabric, and/or Combinations Thereof.
Claims use since July, 1935.

Ser. No. 376,165. MATILDA ETCHES LIMITED, London, England. Filed Mar. 19, 1936.

SEELSLYM

For Corsets and Brassières.
Claims use since Dec. 10, 1935.

Ser. No. 376,217. JOSEPH LOVE, INC., New York, N. Y. Filed Mar. 20, 1936.

AN AUTHENTIC
"Princess Margaret-Rose"

No claim is made to the word "Authentic" apart from the mark.
For Children's Dresses, Panties, Coats, Hats, and Hosiery.
Claims use since Feb. 20, 1936.

Ser. No. 376,411. SHERMAN WASH WEAR, INC., Chicago, Ill. Filed Mar. 25, 1936.



The drawing is lined for red.
For Women's Aprons and House Dresses.
Claims use since Jan. 2, 1936.

Ser. No. 376,416. MAX ULMAN, INC., Brooklyn, N. Y. Filed Mar. 25, 1936.

Joan Ellen

For Women's and Misses' Tailored Uniforms, Sport Frocks, and Dresses.
Claims use since Mar. 4, 1935.

Ser. No. 376,653. WESTERN UNDERWEAR CO., INC., New York, N. Y. Filed Mar. 31, 1936.

Skineez

For Ladies' and Misses' Chemises, Negligees, Costume Slips, Panties, Brassières, Bloomers, Nightgowns, and Pajamas, Made of Knitted, Netted, Woven, or Textile Fabrics.
Claims use since July, 1935.

Ser. No. 376,660. I. M. BAGEDONOW, INC., New York, N. Y. Filed Apr. 1, 1936.

Revolaire

For Women's and Misses' Coats.
Claims use since Mar. 15, 1936.

Ser. No. 376,662. L. AND S. BERNSTEIN, INC., New York, N. Y. Filed Apr. 1, 1936.

Marvellite

For Ladies' Slips and Panties.
Claims use since Mar. 9, 1936.

Ser. No. 376,674. HIRSCH & SONS, INC., Chicago, Ill. Filed Apr. 1, 1936.



The words "Sport Coat" and "Wrinkle-Dust & Moisture Proof" are disclaimed apart from the mark. The drawing is lined for green.
For Women's and Misses' Coats.
Claims use since Apr. 10, 1930.

Ser. No. 376,718. DALTON HAT COMPANY, Yonkers, N. Y. Filed Apr. 2, 1936.

HANROLL BRIM

The word "Brim" is disclaimed apart from the mark as shown.
For Men's Hats.
Claims use since October, 1934.

Ser. No. 376,800. SAMUEL J. GOLDFARB, New York, N. Y. Filed Apr. 4, 1936.

Wonderettes
THE "WONDER FROCK"

The words "Wonder Frock" are disclaimed apart from the mark shown.
For Women's Dresses.
Claims use since Jan. 2, 1936.

Ser. No. 376,851. THE FRANK H. LEE COMPANY, Danbury, Conn. Filed Apr. 6, 1936.

LEESTON

For Men's and Women's Felt and Straw Hats.
Claims use since Mar. 20, 1934.

Ser. No. 376,994. HEROLD-BERTSCH SHOE COMPANY, Grand Rapids, Mich. Filed Apr. 9, 1936.



For Men's Shoes of Leather, Rubber, Fabric, or Combinations Thereof.
Claims use since Mar. 7, 1936.

Ser. No. 377,002. JULIUS KAYSER & CO., New York, N. Y. Filed Apr. 9, 1936.

Beau-Kay

For Fabric Gloves.
Claims use since Apr. 1, 1936.

Ser. No. 377,080. KAYLON, INC., New York, N. Y. Filed Apr. 10, 1936.

"Pa" AND "Ma"

For Men's, Women's, and Children's Pajamas.
Claims use since Dec. 2, 1935.

Ser. No. 377,341. HARRY ADLER, New York, N. Y. Filed Apr. 18, 1936.

Joymoor

For Women's Coats.
Claims use since Dec. 1, 1935.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 368,881. EASTHAMPTON RUBBER THREAD CO., Easthampton, Mass. Filed Aug. 31, 1935.

Stripalastic

For Rubber Tape.
Claims use since July 27, 1935.

Ser. No. 376,907. IOWA PEARL BUTTON COMPANY, Muscatine, Iowa. Filed Apr. 9, 1936.



For Buttons for Wearing Apparel.
Claims use since Oct. 1, 1935.

CLASS 41

Canes, Parasols, and Umbrellas

Ser. No. 377,280. RAIN PRODUCTS, INC., New York, N. Y. Filed Apr. 16, 1936.

SUNTAN

For Umbrellas and Parasols.
Claims use since Apr. 4, 1936.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 352,094. MOUAKAD BROS., New York, N. Y. Filed May 31, 1934.



The picture is fanciful.
For Silk Crepe de Chine.
Claims use since Apr. 18, 1934.

Ser. No. 371,359. M. H. NAHIGIAN, INC., New York, N. Y. Filed Nov. 8, 1935.

LAVER KIRMAN

No claim to exclusive use of the word "Kirman" is made.
For Textile Rugs.
Claims use since September, 1935.

Ser. No. 374,178. CAOUTCHOUC LABORATORIES, INC., New York, N. Y. Filed Jan. 28, 1936.

FITRITE

For Wide Elastic Fabrics, Both Knitted and Woven, and Comprising, in Whole or in Part, Elastic Threads Formed from Rubber, Rubber Latex, and the Like, Either Covered or Uncovered.
Claims use since Dec. 20, 1935.

Ser. No. 375,134. C. M. DELAND, New York, N. Y. Filed Feb. 24, 1936.

Heather Hill

For Piece Goods of Wool, Wool and Cotton, and Wool and Rayon Combinations.
Claims use since Feb. 3, 1936.

Ser. No. 375,300. MAX LEVINE & Co., New York, N. Y. Filed Feb. 27, 1936.

Camelco

100% CAMEL'S HAIR

The words "100% Camel's Hair" are disclaimed apart from their association shown.
For Piece Goods Containing All Camel's Hair.
Claims use since Aug. 3, 1935.

Ser. No. 375,301. MAX LEVINE & Co., New York, N. Y. Filed Feb. 27, 1936.

Scotspun

A CUSTOMIZED FABRIC

The words "A Customized Fabric" are disclaimed apart from their association shown.
For Woven Fabric Consisting of All Wool.
Claims use since Aug. 3, 1935.

Ser. No. 375,649. THE LIMA WOOLEN MILLS CO., Lima, Ohio. Filed Mar. 6, 1936.

SUPERLAINE

For Woolen Textiles in the Piece.
Claims use since Dec. 15, 1935.

Ser. No. 375,855. PASSAIC WOOLFLEX MANUFACTURING COMPANY, Paterson, N. J. Filed Mar. 11, 1936.

WHIP-O-TWILL

The word "Twill" is disclaimed except as shown.
For Cut Piece Goods, Generally a Mixture of Cotton and Wool Threads or Yarns with an Elastic Thread or Yarn.
Claims use since June 5, 1935.

Ser. No. 376,144. WM. SIMPSON, SONS & Co., Philadelphia, Pa. Filed Mar. 18, 1936.

LIN-KOOL

The word "Kool" is disclaimed apart from the mark.
For Cotton Goods in the Piece.
Claims use since Nov. 15, 1935.

Ser. No. 376,377. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed Mar. 25, 1936.

CEL-O-NET

The word "Net" is disclaimed apart from the mark as shown.
For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since Mar. 19, 1936.

Ser. No. 376,492. QUIDNICK DYE WORKS, INC., Quidnick, R. I., and New York, N. Y. Filed Mar. 27, 1936.



The words "Brilyant," "Finish," and "Quidnick Dye Works, Quidnick, R. I." are disclaimed apart from the mark.
For Silk and Rayon Piece Goods.
Claims use since Mar. 17, 1936.

Ser. No. 376,888. ATLAS MILS INC., New York, N. Y. Filed Apr. 7, 1936.

ZANONI

For Silk and/or Rayon and/or Cotton Piece Goods.
Claims use since November, 1935.

Ser. No. 376,988. MARSHAL FIELD & COMPANY, Chicago, Ill. Filed Apr. 9, 1936.

NANCHING

For Broadloom Rugs and Carpets.
Claims use since Jan. 6, 1936.

Ser. No. 376,989. MARSHAL FIELD & COMPANY, Chicago, Ill. Filed Apr. 9, 1936.

SHANTU

For Broadloom Rugs and Carpets.
Claims use since Jan. 6, 1936.

Ser. No. 377,020. ROSEMARY MANUFACTURING COMPANY, Roanoke Rapids, N. C. Filed Apr. 9, 1936.

TABLECRAFT

For Table Linens and Napkins.
Claims use since Mar. 20, 1936.

Ser. No. 377,372. A. STEINAM COMPANY, INC., New York, N. Y. Filed Apr. 18, 1936.

KOO-KIST

For Spun Rayon Material for Dresses and Other Articles of Men's and Women's Clothing.
Claims use since Apr. 6, 1936.

Ser. No. 377,487. ALBERT H. VANDAM CO., INC., New York, N. Y. Filed Apr. 21, 1936.

PERMANETTE

For Piece Goods of Silk, Cotton, Rayon, and Wool, and Piece Goods of Mixtures of These Materials.
Claims use since Apr. 1, 1936.

CLASS 43

Thread and Yarn

Ser. No. 374,637. TENNESSEE EASTMAN CORPORATION, Kingsport, Tenn. Filed Feb. 8, 1936.

SHEENTEC

For Artificial Yarn and Very Narrow Widths of Transparent Sheeting Used as a Yarn in the Weaving of Novelty Cloth.
Claims use since Dec. 3, 1935.

Ser. No. 377,248. BERNARD ULMANN CO. INC., New York, N. Y. Filed Apr. 15, 1936.

GYPSY

For Yarns for Art Needlework.
Claims use since 1920.

Ser. No. 377,258. AMERICAN ENKA CORPORATION, Enka, N. C. Filed Apr. 16, 1936.

DY-GLO

For Rayon Yarns.
Claims use since Apr. 9, 1936.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 369,952. BUTLER MANUFACTURING COMPANY, Kansas City, Mo. Filed Oct. 3, 1935.

Select Aire

For Hot Air Hair Drying Apparatus and Hot Air Distributing Helmets.
Claims use since Sept. 12, 1935.

Ser. No. 374,836. KAISERSLAUTERER VERBANDSTOFF-FABRIK EMIL BENDER, G. M. B. H., Kaiserslautern, Germany. Filed Feb. 14, 1936.

Bender's Fracturaplast

For Surgical and Orthopedic Bandages.
Claims use since 1911.

Ser. No. 375,201. DENTAL RESEARCH LABORATORIES AND SALES CORPORATION, Portland, Oreg. Filed Feb. 25, 1936.



For Dental Blanks, Dentures, and Dental Plates.
Claims use since Feb. 3, 1926.

Ser. No. 375,741. ACME ENGINEERS, INC., Minneapolis, Minn. Filed Mar. 9, 1936.



For Hair Drying Equipment with Heat Supplied by an Electrical Motor, Operating a Blower Fan.
Claims use since Feb. 1, 1935.

Ser. No. 376,676. MINNIE HOLMAN, doing business as Minco Company, Detroit, Mich. Filed Apr. 1, 1936.



For Massage Implement.
Claims use since Feb. 4, 1936.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 373,811. SUSSMAN, WORMSER & CO., San Francisco, Calif. Filed Jan. 17, 1936.

Sand W

For Fruit Juices Used for Beverage Purposes.
Claims use since July, 1914.

Ser. No. 374,307. VERTRIEBSGESELLSCHAFT LIMONADE BENEDIKTINE M. B. H., Magdeburg, Germany. Filed Jan. 30, 1936.



No claim is made to the words "Limonade. Alkoholfrei nach Original—Rezept der" and "Nur echt mit der unterschrift des Priors" apart from the mark.
For Aerated and Non-Aerated Lemonades Free From Alcohol, Natural Mineral Waters.
Claims use since Feb. 12, 1918.

CLASS 46

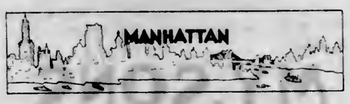
Foods and Ingredients of Foods

Ser. No. 342,053. WITT'S MARKET HOUSE, Minneapolis, Minn. Filed Sept. 30, 1933.

MED-O-SWEET

The word "Sweet" is disclaimed apart from the mark as shown.
For Honey, Eggs, Potatoes, Wheat Flour, and Jell Powder.
Claims use since Nov. 1, 1928, on honey; since Apr. 13, 1931, on eggs; since Nov. 14, 1931, on potatoes; since Feb. 28, 1933, on flour; and since Apr. 3, 1933, on jell powder.

Ser. No. 351,463. GENERAL GROCER COMPANY, doing business as General Coffee Company, St. Louis, Mo. Filed May 17, 1934.



The word Manhattan has been in actual use as a trademark by the applicant and applicant's predecessors from whom title was derived, for ten years next preceding February 20, 1905, and such use has been exclusive.
For Coffee.
Claims use since 1930 for mark as shown; and since 1894 for the word "Manhattan".

Ser. No. 369,527. DOVER IMPORTING CORPORATION, New York, N. Y., assignor to Lemonina Products Corporation, New York, N. Y., a corporation of New York. Filed Sept. 20, 1935.

LEMONINA

For Lemon Powder for Food Flavoring Purposes.
Claims use since Apr. 1, 1934.

Ser. No. 370,501. H. P. COFFEE CO., St. Louis, Mo. Filed Oct. 18, 1935.

BROWN BEAUTY

For Coffee.
Claims use since Nov. 12, 1908.

Ser. No. 370,548. GRISTEDE BROS. INC., New York, N. Y. Filed Oct. 19, 1935.

Canterbery

For Biscuits.
Claims use since Oct. 16, 1935.

Ser. No. 371,629. EFF LABORATORIES, INC., Cleveland, Ohio. Filed Nov. 16, 1935.

CARATONE

For Concentrate and Preparations Rich in Vitamin Activity for Use as an Animal and Poultry Food Supplement.
Claims use since Jan. 30, 1935.

Ser. No. 374,210. SANTA MARIA PRODUCE CO., Guadaloupe, Calif. Filed Jan. 28, 1936.



For Fresh Vegetables.
Claims use since Nov. 29, 1930.

Ser. No. 374,633. SHIELD FOODS, INC., Buffalo, N. Y. Filed Feb. 8, 1936.



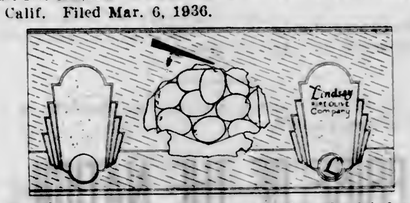
The words "Orchard Park" are disclaimed apart from the mark.
For Canned Fruits and Vegetables, Including Sliced Beets, Red Raspberries, Peas, and Tomatoes, and Tomato Juice.
Claims use since Oct. 1, 1935.

Ser. No. 375,102. EDWIN DELBRIDGE SINCOCK, Christchurch, New Zealand. Filed Feb. 21, 1936.

PALMALADE

For Jams and Fruit Pastes.
Claims use since Aug. 21, 1935.

Ser. No. 375,650. LINDSAY RIPE OLIVE COMPANY, Lindsay, Calif. Filed Mar. 6, 1936.



No claim is made to the representation of a label or to the goods apart from the mark as shown.
For Canned Olives.
Claims use since September, 1932.

Ser. No. 375,726. THE ROBINSON MILLING COMPANY, Salina, Kans. Filed Mar. 7, 1936.



The word "Best" is disclaimed apart from the mark as shown.
For Wheat Flour.
Claims use since Feb. 7, 1919.

Ser. No. 375,955. D. ROSEN COMPANY, Providence, R. I. Filed Mar. 13, 1936.

KARM-O-POPS

The word "Pops" is disclaimed apart from the mark as shown.
For Candy.
Claims use since Feb. 14, 1936.

Ser. No. 375,993. ILWACO OYSTER COMPANY, INC., Ilwaco, Wash. Filed Mar. 14, 1936.

NORTHERN SPRAY

For Canned Oysters.
Claims use since Feb. 14, 1936.

Ser. No. 376,167. GATES PACKING COMPANY, INC., Fort Myers, Fla. Filed Mar. 19, 1936.

KO-KEEN-A

For Canned Broths.
Claims use since Apr. 13, 1931.

Ser. No. 376,464. ALBERT EHLERS, INC., Brooklyn, N. Y. Filed Mar. 27, 1936.

PRIDE OF THE NATION

For Tea.
Claims use since Mar. 23, 1936.

Ser. No. 376,691. PACIFIC AMERICAN FISHERIES, INC., South Bellingham, Wash. Filed Apr. 1, 1936.

DIANA



Applicant is the owner of Trade-Mark Registration No. 110,899.
For Canned Salmon.
Claims use since June 20, 1934.

Ser. No. 376,941. WILLIAM H. BUANS, doing business as Atlantic Syrup Refining Co., Philadelphia, Pa. Filed Apr. 8, 1936.

MY SONS

For Table Syrup.
Claims use since Dec. 10, 1935.

Ser. No. 377,015. THE NATIONAL SUGAR REFINING COMPANY OF NEW JERSEY, Jersey City, N. J., and New York, N. Y. Filed Apr. 9, 1936.

VITAKANE

For Sugar.
Claims use since Apr. 3, 1936.

Ser. No. 377,016. NORTHWESTERN YEAST COMPANY, Chicago, Ill. Filed Apr. 9, 1936.

NYCO

For Yeast.
Claims use since Sept. 17, 1931.

Ser. No. 377,149. M. A. GOTTFRIED, doing business as M. A. Gottfried Co., Santa Paula, Calif. Filed Apr. 13, 1936.

home Garden

For Fresh Vegetables.
Claims use since Mar. 3, 1936.

Ser. No. 377,150. GREEN PASTURES POULTRY FARM, Scott and Homer, N. Y. Filed Apr. 13, 1936.

MINE-O-VITA

For Eggs.
Claims use since Mar. 30, 1936.

Ser. No. 377,228. MASAO NISHIMI, Los Angeles, Calif. Filed Apr. 15, 1936.



For Powdered Sodium Glutamate Seasoning.
Claims use since Apr. 15, 1935.

Ser. No. 377,472. MINNESOTA VALLEY CANNING COMPANY, Le Sueur, Minn. Filed Apr. 21, 1936.

APRIL SHOWERS

For Canned Vegetables—Namely, Canned Peas.
Claims use since Mar. 28, 1936.

CLASS 47

Wines

Ser. No. 373,589. CANOVA PRODUCTS CO., Jersey City, N. J. Filed Jan. 13, 1936.

Canova



The name "Canova" is a facsimile signature of Florindo Canova, founder of applicant company.
For Wines.
Claims use since January, 1912.

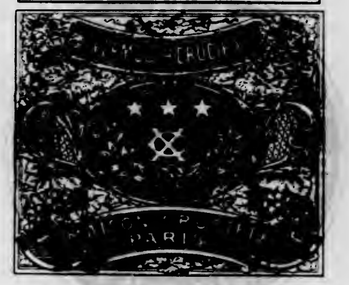
Ser. No. 376,060. GUSTAV NIEBAUM COMPANY, doing business as Inglenook Vineyard Company, Rutherford, Calif. Filed Mar. 16, 1936.

I·V·Y

For Wines.
Claims use since Oct. 5, 1935.

Ser. No. 376,379. GEORGES CRUCIFIX, Paris, France. Filed Mar. 25, 1936.

CRUCIFIX



The words "Vermouth" and "Paris" are disclaimed.
For Vermouths.
Claims use since October, 1933.

Ser. No. 376,570. A. CARBONE & COMPANY, INC., Denver, Colo. Filed Mar. 30, 1936.



ANGELA MIA

The picture is an arbitrary pictorial representation of the head and shoulders of a girl having dark hair.
For Wines.
Claims use since November, 1934.

Ser. No. 376,572. A. CARBONE & COMPANY, INC., Denver, Colo. Filed Mar. 30, 1936.

MT·SHASTA

For Wines.
Claims use since January, 1935.

CLASS 48

Malt Beverages and Liquors

Ser. No. 368,950. PREMIER-PABST CORPORATION, Peoria Heights, Ill. Filed Sept. 3, 1935.

TapaCan

For Beer and Ale.
Claims use since Aug. 11, 1935.

Ser. No. 373,644. V. LOEWER'S GAMBRINUS BREWERY CO., New York, N. Y. Filed Jan. 14, 1936.



For Beer and Ale.
Claims use since 1878.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 349,010. J. & J. GRANT, GLEN GRANT, LIMITED, Rothes, Scotland. Filed Mar. 23, 1934.



The words "Pure Malt Whisky", "Distillers", "Glenlivet District", and "Trade Mark" are disclaimed apart from the mark.
For Whisky.
Claims use since 1866.

Ser. No. 373,282. LONDON & COMPANY, INC., Elizabeth, N. J. Filed Dec. 31, 1935.



No claim is made to the words "Dry Gin Distilled", apart from the mark shown.
For Gin and Whiskey.
Claims use since June 3, 1935.

Ser. No. 377,140. CENTURY DISTILLING CO., Peoria, Ill. Filed Apr. 13, 1936.

CENTURY

For Gin.
Claims use since May 1, 1883.

Ser. No. 377,499. THE DISTILLERS COMPANY, LIMITED, Linden, N. J., and New York, N. Y. Filed Apr. 22, 1936.

WHITE SATIN

For Gin.
Claims use since Dec. 31, 1907.

Ser. No. 377,559. TAYLOR & WILLIAMS DISTILLERIES, INC., Louisville, Ky. Filed Apr. 23, 1936.



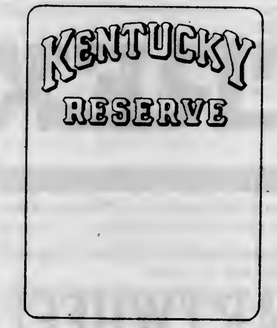
The drawing is lined for gold and red.
For Whiskey.
Claims use since December, 1935.

Ser. No. 377,568. ARROW DISTILLERIES, INC., Detroit, Mich. Filed Apr. 24, 1936.



For Sloe Gin.
Claims use since Feb. 29, 1936.

Ser. No. 377,592. OLD COLLINS COMPANY, INC., DISTILLERS, New York, N. Y. Filed Apr. 24, 1936.



For Whiskey.
Claims use since Mar. 16, 1936.

Ser. No. 377,593. OLD COLLINS COMPANY, INC., DISTILLERS, New York, N. Y. Filed Apr. 24, 1936.



For Whiskey.
Claims use since Mar. 16, 1936.

Ser. No. 377,608. THEODORE G. STEIN, INC., Camden, N. J. Filed Apr. 24, 1936.

BROAD MEADOWS

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Jan. 23, 1936.

Ser. No. 377,670. J. J. CONNAUGHTON, Old Monroe, Mo. Filed Apr. 27, 1936.

Blue Spring

For Whiskey.
Claims use since March, 1936.

Ser. No. 377,690. KROGMAN DISTILLING CO., INC., Tell City, Ind. Filed Apr. 27, 1936.



For Whiskey.
Claims use since Oct. 1, 1935.

Ser. No. 377,692. KROGMAN DISTILLING CO., INC., Tell City, Ind. Filed Apr. 27, 1936.

Our Private Bar

For Whiskey.
Claims use since Jan. 20, 1936.

Ser. No. 377,693. KROGMAN DISTILLING CO., INC., Tell City, Ind. Filed Apr. 27, 1936.

Smokey Hollow

For Whiskey.
Claims use since Jan. 20, 1936.

Ser. No. 377,694. FREDERICK LOESER & CO., INC., Brooklyn, N. Y. Filed Apr. 27, 1936.

Albee Square

For Whiskey and Gin.
Claims use since Mar. 7, 1936.

Ser. No. 377,724. TONKIN DISTRIBUTING CO., San Francisco, Calif. Filed Apr. 27, 1936.

Toddy-Jerry

For Blend of Brandy and Rum.
Claims use since Oct. 12, 1935.

Ser. No. 377,744. OSTRUCON DISTILLED PRODUCTS CO. INC., New York, N. Y. Filed Apr. 28, 1936.

Pride of Georgia

For Whiskey, Gin, Rum, and Brandy.
Claims use since Mar. 31, 1936.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 362,633. SANITARY METAL CAP CORPORATION, Syracuse, N. Y. Filed Mar. 16, 1935.



The representation of the bottle and cap are disclaimed. All wording except "Royal" and "Sanitary Metal Cap Corporation" is disclaimed apart from the mark shown.
For Bottle Caps.
Claims use since Oct. 1, 1934.

Ser. No. 373,173. RAYMOND L. HORAN, TRUSTEE IN BANKRUPTCY CREX CARPET COMPANY, St. Paul, Minn. Filed Dec. 30, 1935.

CREX

For Rugs and Carpets Made of Grass or Fiber.
Claims use since Feb. 15, 1900.

Ser. No. 376,383. EVANS CASE COMPANY, North Attleboro, Mass. Filed Mar. 25, 1936.

CARTWHEEL

For Vanity Boxes Including Cigarette Case and Lighter.
Claims use since Mar. 17, 1936.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 2, 1936

335,267. PHARMACEUTICAL AND CHEMICAL APPARATUS—NAMELY, COLLAPSIBLE TUBE-PACKAGING MACHINERY, TABLET-COMPRESSING MACHINES, MIXERS, DRYERS, STILLS, ETC. F. J. STOKES MACHINE COMPANY, Philadelphia, Pa.
Filed July 25, 1935. Serial No. 367,689. PUBLISHED MARCH 24, 1936. Class 23.

335,268. CRACKERS AND BISCUITS. JOHN W. SURBRUG, New York, N. Y.
Filed November 11, 1935. Serial No. 371,456. PUBLISHED MARCH 24, 1936. Class 46.

335,269. DEVICES (NON-ELECTRIC) FOR MIXING OR WHIPPING CREAM AND OTHER FOODS. NU-WHIP CORP., New York, N. Y.
Filed November 9, 1935. Serial No. 371,396. PUBLISHED MARCH 24, 1936. Class 23.

335,270. CUT FLOWERS. J. EBB. WEIR & CO. INC., Brooklyn, N. Y.
Filed November 5, 1935. Serial No. 371,241. PUBLISHED MARCH 24, 1936. Class 1.

335,271. SPORTSWEAR FOR MEN, BOYS, AND LADIES—NAMELY, COATS MADE OF LEATHER OR WOOLEN FABRICS; AND LADIES' SHIRTS MADE OF WOOLEN FABRICS. JARVIS & MARCUS, INC., San Francisco, Calif.
Filed November 4, 1935. Serial No. 371,157. PUBLISHED MARCH 17, 1936. Class 39.

335,272. CARTON STRIP. WERTHER FRIEDMAN, INC., New York, N. Y.
Filed November 2, 1935. Serial No. 371,124. PUBLISHED MARCH 17, 1936. Class 38.

335,273. CIGARS. WEBSTER EISENLOHR, INC., New York, N. Y.
Filed October 29, 1935. Serial No. 370,980. PUBLISHED MARCH 24, 1936. Class 17.

335,274. RAINCOAT. SHERMAN BROS. RAINWEAR CORP., New York, N. Y.
Filed October 29, 1935. Serial No. 370,969. PUBLISHED MARCH 24, 1936. Class 39.

335,275. PLAY TOGS AND SNOW SUITS FOR INFANTS AND CHILDREN IN THE NATURE OF ONE-PIECE OR TWO-PIECE OUTFITS AND HATS TO MATCH. SCHWARTZ & LIEBERMAN, INC., New York, N. Y.
Filed October 25, 1935. Serial No. 370,814. PUBLISHED MARCH 24, 1936. Class 39.

335,276. LAXATIVE COMPOUND. THE CLERMONT CHEMICAL CO., Worthington, Ohio.
Filed October 23, 1935. Serial No. 370,696. PUBLISHED MARCH 24, 1936. Class 6.

335,277. WOMEN'S AND CHILDREN'S HATS AND CAPS. SAMUEL SCHEUER, New York, N. Y.
Filed October 21, 1935. Serial No. 370,633. PUBLISHED MARCH 3, 1936. Class 39.

335,278. CANNED SALMON, CANNED SHRIMP, AND CANNED OYSTERS. MAVAR FISH & OYSTER COMPANY, INCORPORATED, Biloxi, Miss.
Filed October 21, 1935. Serial No. 370,622. PUBLISHED MARCH 24, 1936. Class 46.

335,279. LADIES' HATS. DERWAY HATS, INC., New York, N. Y.
Filed August 2, 1935. Serial No. 367,921. PUBLISHED DECEMBER 10, 1935. Class 39.

335,280. MEN'S SUITS, TROUSERS, COATS, AND VESTS ALL OF SAID GARMENTS BEING MADE OF LIGHT-WEIGHT OR OPEN-WEAVE SUMMER FABRICS. JOHN DAVID, New York, N. Y.
Filed July 27, 1935. Serial No. 367,754. PUBLISHED MARCH 17, 1936. Class 39.

335,281. PORTLAND CEMENT. MISSOURI PORTLAND CEMENT COMPANY, St. Louis, Mo.
Filed November 16, 1935. Serial No. 371,647. PUBLISHED FEBRUARY 25, 1936. Class 12.

335,282. MACHINE CONVEYORS; COAL CUTTERS; ELEVATORS; CLUTCHES; MACHINE CRUSHERS FOR CRUSHING COAL, COKE, SALT, ALUM, BONE, CINDERS, STONE, AND THE LIKE; FOUNDRY SAND CONDITIONERS; ETC. THE JEFFREY MANUFACTURING COMPANY, Columbus, Ohio.
Filed November 16, 1935. Serial No. 371,639. PUBLISHED MARCH 24, 1936. Class 23.

335,283. SHOES OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF. J. & J. SLATER, INC., New York, N. Y., and Washington, D. C.
Filed January 22, 1936. Serial No. 373,981. PUBLISHED MARCH 17, 1936. Class 39.

335,284. MEN'S CLOTHING—NAMELY, COATS, VESTS, TROUSERS, OVERCOATS, AND TOPCOATS. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio.
Filed January 22, 1936. Serial No. 373,962. PUBLISHED MARCH 17, 1936. Class 39.

335,285. DENTAL CEMENT. LINDEN A. RUSHMER, doing business as Specialty Products Co., Oakland, Calif.
Filed January 21, 1936. Serial No. 373,934. PUBLISHED MARCH 24, 1936. Class 44.

335,286. CHIPS AND PASTES OF A COMPOSITION COMPRISING CELLULOSE ESTERS, PLASTICIZERS, AND PIGMENTS, WHICH COMPOSITION IS USUALLY MIXED WITH A COATING OR LIKE MATERIAL TO IMPART COLOR THERETO. C. J. OSBORN CO., New York, N. Y.
Filed January 21, 1936. Serial No. 373,931. PUBLISHED MARCH 24, 1936. Class 1.

335,287. OINTMENT FOR USE AS A SURGICAL DRESSING TO PROMOTE HEALING. EPICOL PRODUCTS COMPANY, Minneapolis, Minn.
Filed January 20, 1936. Serial No. 373,867. PUBLISHED MARCH 24, 1936. Class 6.

335,288. BEAUTY LOTIONS. PHILIP SOLOMON, New York, N. Y.
Filed January 18, 1936. Serial No. 373,862. PUBLISHED MARCH 17, 1936. Class 6.

335,289. LUBRICANTS, AND PARTICULARLY FOR A PREPARED LUBRICANT CONTAINING COLLOIDAL GRAPHITE DISPERSED THEREIN. LOS ANGELES REFINOIL CORPORATION, Los Angeles, Calif.
Filed January 18, 1936. Serial No. 373,832. PUBLISHED MARCH 17, 1936. Class 15.

335,290. HAIR TREATING PREPARATIONS—NAMELY, TINTING WAVE LOTION, TONIC WAVING LOTION, PERMANENT WAVE SOLUTION, CONCENTRATED FINGER WAVE LOTION, AND SHAMPOO. EVERETT M. RAMSAY, doing business as E. M. Ramsay, Chicago, Ill.
Filed January 17, 1936. Serial No. 373,802. PUBLISHED MARCH 24, 1936. Class 6.

335,291. CARTOON FEATURE. PUBLIC LEDGER, INC., Philadelphia, Pa.
Filed January 17, 1936. Serial No. 373,801. PUBLISHED MARCH 17, 1936. Class 38.

335,292. BOOTS AND SHOES OF LEATHER, FABRIC, AND/OR COMBINATIONS THEREOF. INTERNATIONAL SHOE CO., St. Louis, Mo.
Filed January 17, 1936. Serial No. 373,791. PUBLISHED MARCH 17, 1936. Class 39.

335,293. CHINAWARE. THEODORE HAVILAND & CO. INCORPORATED, New York, N. Y.
Filed January 17, 1936. Serial No. 373,785. PUBLISHED MARCH 24, 1936. Class 30.

335,294. MEN'S OVERALLS, PANTS, AND SPORTSWEAR—NAMELY, LUMBER JACKETS, AND JACKETS FOR WORK AND SPORT WEAR. PAUL ROSEN, doing business as Fawn Grove Mfg. Co., Fawn Grove, Pa.
Filed January 14, 1936. Serial No. 373,654. PUBLISHED MARCH 24, 1936. Class 39.

335,295. HATS FOR CHILDREN. L. LEWIS & SON, New York, N. Y.
Filed January 14, 1936. Serial No. 373,643. PUBLISHED MARCH 10, 1936. Class 39.

335,296. CANDY AND CANDY CONFECTIONS. CHARLES A. DUROFCHALK, Binghamton, N. Y.
Filed January 14, 1936. Serial No. 373,636. PUBLISHED MARCH 24, 1936. Class 46.

335,297. LADIES' HATS. BETMAR HATS INC., New York, N. Y.
Filed January 14, 1936. Serial No. 373,633. PUBLISHED MARCH 10, 1936. Class 39.

335,298. FROZEN CONFECTIONS. VOGT PROCESSES, INCORPORATED, Louisville, Ky.
Filed January 13, 1936. Serial No. 373,626. PUBLISHED MARCH 24, 1936. Class 46.

335,299. PRINTED PUBLICATIONS IN REGARD TO KNITTING, CROCHETING, EMBROIDERING, TAPESTRY MAKING, RUG MAKING, DRESSMAKING, AND THE LIKE SUBJECTS. PATONS & BALDWINS, LIMITED, Halifax, England.
Filed January 13, 1936. Serial No. 373,014. PUBLISHED MARCH 17, 1936. Class 38.

335,300. PERIODICAL. MANSON PUBLICATIONS CORPORATION, New York, N. Y.
Filed January 13, 1936. Serial No. 373,611. PUBLISHED MARCH 17, 1936. Class 38.

335,301. DAILY AND SUNDAY NEWSPAPERS. THE JOURNAL-HERALD PUBLISHING COMPANY, Dayton, Ohio.
Filed December 18, 1935. Serial No. 372,773. PUBLISHED MARCH 17, 1936. Class 38.

335,302. SCARFS, NECKTIES, BELTS FOR OUTER WEAR, AND DRESSES FOR THE USE OF WOMEN, MISSES, AND CHILDREN. MCCROSSEN HANDWOVEN TEXTILES, INC., Santa Fe, N. Mex.
Filed October 14, 1935. Serial No. 370,326. PUBLISHED MARCH 24, 1936. Class 39.

335,303. SHOE CLEANER. BEAU PEEP PRODUCTS, Chicago, Ill.
Filed December 18, 1935. Serial No. 372,759. PUBLISHED MARCH 17, 1936. Class 4.

335,304. DRY AND READY-MIXED PAINTS, PAINT ENAMELS, PAINT CLEANERS, PAINT REMOVERS, STAINS, VARNISHES, AND LIQUID FLOOR WAXES. PENINSULAR PAINT & VARNISH CO., Detroit, Mich.
Filed October 14, 1935. Serial No. 370,360. PUBLISHED MARCH 24, 1936. Class 16.

335,305. LADIES' HATS. OGUS, RABINOVICH & OGUS, INC., New York, N. Y.
Filed October 10, 1935. Serial No. 370,224. PUBLISHED MARCH 17, 1936. Class 39.

335,306. ARTIFICIAL FLAVOR WHICH WHEN USED WITH FOODS AND INGREDIENTS OF FOODS PRODUCES A BUTTER FLAVOR. ANTON C. NEGRI, doing business as General Dairy Products Company, Chicago, Ill.
Filed October 10, 1935. Serial No. 370,223. PUBLISHED MARCH 24, 1936. Class 46.

335,307. SPECIALLY PREPARED TYMPAN PAPER, TRAVELING TYMPAN PAPER, SLIP SHEETS USED FOR SLIPPING UNDER THE TYMPAN PAPER ON PRESS AND STENCIL BOARD. THE CROMWELL PAPER CO., Chicago, Ill.
Filed October 4, 1935. Serial No. 369,993. PUBLISHED MARCH 24, 1936. Class 37.

335,308. MEN'S UNION SUITS, UNDERSHIRTS, UNDERDRAWERS, DRESS AND NEGLIGEE SHIRTS, NECKTIES, COLLARS, MEN'S HATS AND CAPS, ETC. JOHN DAVID, New York, N. Y.
Filed September 26, 1935. Serial No. 369,734. PUBLISHED NOVEMBER 26, 1935. Class 39.

335,309. READY-MIXED PAINTS AND VARNISHES. A. SKLAR & SONS, INC., doing business as Alpine Paint & Varnish Co., Yonkers, N. Y.
Filed September 12, 1935. Serial No. 369,249. PUBLISHED MARCH 24, 1936. Class 16.

335,310. SHAMPOO. HENRY W. HILKER, San Francisco, Calif.
Filed September 7, 1935. Serial No. 369,082. PUBLISHED MARCH 24, 1936. Class 6.

335,311. COATS, VESTS, TROUSERS, KNICKERBOCKERS, TOPCOATS, AND OVERCOATS FOR MEN, YOUTHS, AND BOYS. J. SCHOENBMAN, INCORPORATED, Baltimore, Md.
Filed September 3, 1935. Serial No. 368,956. PUBLISHED NOVEMBER 26, 1935. Class 39.

335,312. CANNED APPLE SAUCE. LYNDONVILLE CANNING CO. INC., Lyndonville, N. Y.
Filed September 3, 1935. Serial No. 368,939. PUBLISHED MARCH 24, 1936. Class 46.

335,313. LUBRICATING OILS AND GREASES. WAVERLY OIL WORKS COMPANY, Pittsburgh, Pa.
Filed August 31, 1935. Serial No. 368,912. PUBLISHED MARCH 10, 1936. Class 15.

335,314. PETROLEUM OILS AND GREASES FOR BURNING, LUBRICATING, AND VARIOUS USES IN THE INDUSTRIAL ARTS. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed August 28, 1935. Serial No. 368,786. PUBLISHED MARCH 17, 1936. Class 15.

335,315. BRANDY KNOWN AS "AQUAVITAE." AKTIESELSKABET DE DANSKE SPRITFABRIKKER, Copenhagen, Denmark.
Filed August 24, 1935. Serial No. 368,644. PUBLISHED NOVEMBER 12, 1935. Class 49.

335,316. DOUCHE POWDER. GREEN CROSS PHARMACEUTICAL PRODUCTS, INC., New York, N. Y.
Filed August 17, 1935. Serial No. 368,412. PUBLISHED NOVEMBER 12, 1935. Class 6.

335,317. CHILDREN'S UNDERGARMENTS. LITTLE DUCHESS UNDERGARMENT COMPANY, Brooklyn, N. Y.
Filed August 16, 1935. Serial No. 368,376. PUBLISHED MARCH 24, 1936. Class 39.

335,318. LEATHER SHOES, FABRIC SHOES, RUBBER SHOES, AND SHOES OF COMBINATIONS OF FABRIC OR RUBBER AND LEATHER. B. FRIEDMAN SHOE CO. INC., New York, N. Y.
Filed August 10, 1935. Serial No. 368,173. PUBLISHED FEBRUARY 25, 1936. Class 39.

335,319. ELECTRIC TROLLEYS; ELECTRIC REELS; ELECTRIC TROLLEY WHEELS; ELECTRIC TROLLEY HARPS; ELECTRIC TROLLEY SOCKETS; ELECTRIC CONTACTORS; ELECTRIC CONTROLLERS; ELECTRIC HEADLIGHTS; ELECTRIC BRUSH HOLDERS; ELECTRIC MOTORS AND ARMATURES. THE JEFFREY MANUFACTURING COMPANY, Columbus, Ohio.
Filed November 16, 1935. Serial No. 371,638. PUBLISHED MARCH 24, 1936. Class 21.

335,320. CORSETS, GIRDLES, BRASSIÈRES, BANDEAUS, CORSET AND BRASSIÈRE COMBINATIONS, STEP-INS IN THE NATURE OF UNDERDRAWERS, AND PANTIES. FASHION BRASSIERE CO., INC., New York, N. Y.
Filed December 16, 1935. Serial No. 372,663. PUBLISHED MARCH 3, 1936. Class 39.

335,321. STERLING SILVER TOILETWARE, FLATWARE, AND STERLING SILVER NOVELTIES. SAART BROS. COMPANY, Attleboro, Mass.
Filed December 14, 1935. Serial No. 372,637. PUBLISHED MARCH 10, 1936. Class 28.

335,322. CORSETS, GIRDLES, BRASSIÈRES, BANDEAUS, AND CORSET AND BRASSIÈRE COMBINATIONS. BESTLYNE FOUNDATIONS CO., New York, N. Y.
Filed December 14, 1935. Serial No. 372,621. PUBLISHED MARCH 3, 1936. Class 39.

335,323. NON-ELECTRICAL HAIR CURLERS. CARL W. RENSTROM, doing business as Tip-Top Products Company, Omaha, Nebr.
Filed December 10, 1935. Serial No. 372,617. PUBLISHED FEBRUARY 25, 1936. Class 40.

335,324. FRESH SALT WATER FISH, LOBSTERS, CRABS, AND SHELL FISH. THE SOUTHERN NEW ENGLAND FISHERMEN'S ASSOCIATION, INC., Mystic, Conn.
Filed December 13, 1935. Serial No. 372,613. PUBLISHED MARCH 17, 1936. Class 46.

335,325. DOLLS. BERTHA BEHRMAN, doing business as Alexander Doll Co., and Madame Alexander, New York, N. Y.
Filed January 30, 1936. Serial No. 374,270. PUBLISHED MARCH 24, 1936. Class 22.

335,326. DOLLS. BERTHA BEHRMAN, doing business as Alexander Doll Co. and Madame Alexander, New York, N. Y.
Filed January 30, 1936. Serial No. 374,268. PUBLISHED MARCH 24, 1936. Class 22.

335,327. CANDY. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y.
Filed January 30, 1936. Serial No. 374,267. PUBLISHED MARCH 24, 1936. Class 46.

335,328. MOTION-PICTURE FILMS WHICH HAVE RECORDS OF SOUND, WORDS, AND/OR MUSIC THEREON, AND MOTION-PICTURE FILMS ADAPTED FOR SYNCHRONIZATION WITH SOUND, WORD, AND/OR MUSIC RECORDS. WARNER BROS. PICTURES, INC., New York, N. Y.
Filed January 29, 1936. Serial No. 374,262. PUBLISHED MARCH 24, 1936. Class 26.

335,329. KYANITE. TENNESSEE MINERAL PRODUCTS CORPORATION, New York, N. Y.
Filed January 29, 1936. Serial No. 374,257. PUBLISHED MARCH 24, 1936. Class 1.

335,330. LADIES' COATS AND SUITS. LORCH MANUFACTURING COMPANY, Dallas, Tex.
Filed January 29, 1936. Serial No. 374,245. PUBLISHED MARCH 24, 1936. Class 39.

335,331. HEAD AND SWEAT BAND PROTECTORS FOR HATS AND CAPS AND HEADWEAR GENERALLY FOR MEN, WOMEN, AND CHILDREN. GARDS MANUFACTURING CO., INC., New York, N. Y.
Filed January 29, 1936. Serial No. 374,238. PUBLISHED MARCH 24, 1936. Class 39.

335,332. FRESH VEGETABLES. VENICE CELERY DISTRIBUTORS, Los Angeles, Calif.
Filed January 28, 1936. Serial No. 374,221. PUBLISHED MARCH 24, 1936. Class 46.

335,333. SHAMPOO FOR DOGS. JENNIE M. SOKOLINSKI, Brooklyn, N. Y.
Filed January 28, 1936. Serial No. 374,216. PUBLISHED MARCH 17, 1936. Class 6.

335,334. HOSIERY. LAWRENCE J. MERSKE, doing business as Sheerstep Hosiery Company, Milwaukee, Wis.
Filed February 3, 1936. Serial No. 374,423. PUBLISHED MARCH 24, 1936. Class 39.

335,335. ANTI-ACID TABLETS. LOUIS SCHLEIER, New York, N. Y.
Filed February 1, 1936. Serial No. 374,386. PUBLISHED MARCH 17, 1936. Class 6.

335,336. LADIES' CLOAKS, SUITS, AND COATS. MONARCH GARMENT CO. INC., New York, N. Y.
Filed February 1, 1936. Serial No. 374,376. PUBLISHED MARCH 24, 1936. Class 39.

335,337. LADIES' CLOAKS, SUITS, AND COATS. MONARCH GARMENT CO. INC., New York, N. Y.
Filed February 1, 1936. Serial No. 374,375. PUBLISHED MARCH 24, 1936. Class 39.

335,338. LUGGAGE, PARTICULARLY TRAVELLING CASES, HAT AND SHOE CASES. BERTHA R. BRIGHT, New York, N. Y.
Filed February 1, 1936. Serial No. 374,355. PUBLISHED MARCH 24, 1936. Class 3.

335,339. CHILDREN'S DRESSES, SUITS, PLAY-SUITS, ROMPERS, PANTS, AND BLOUSES. ROSENAU BROS., INC., Philadelphia, Pa.
Filed February 8, 1936. Serial No. 374,632. PUBLISHED MARCH 17, 1936. Class 39.

335,340. ALE AND BEER. STANDARD BREWING COMPANY, INC., Rochester, N. Y.
Filed February 7, 1936. Serial No. 374,608. PUBLISHED MARCH 24, 1936. Class 48.

335,341. WOMEN'S SHOES OF LEATHER AND FABRIC, AND A COMBINATION OF THESE MATERIALS. THE JULIAN AND KOKENGE CO., Columbus, Ohio.
Filed January 24, 1936. Serial No. 374,049. PUBLISHED MARCH 24, 1936. Class 39.

335,342. PEPPER SAUCE. MCILHENNY COMPANY, New Iberia, La.
Filed December 19, 1905. Serial No. 372,843. PUBLISHED MARCH 24, 1936. Class 46.

335,343. COMPOSITIONS FOR CLEANING, DRESSING, POLISHING SHEET MATERIALS IN THE NATURE OF SHOE LEATHER AND SHOE FABRIC, WHICH COMPOSITIONS MAY HAVE INCIDENTAL COLORING PROPERTIES. WHITTEMORE BROS. CORP., Cambridge, Mass.
Filed December 19, 1935. Serial No. 372,866. PUBLISHED MARCH 17, 1936. Class 4.

335,344. RAZOR BLADES. PAUL SCHAAF, Newark, N. J.
Filed December 21, 1935. Serial No. 372,934. PUBLISHED MARCH 24, 1936. Class 23.

335,345. ANTISEPTICS, GERMICIDES, AND DEODORANTS. BETHLEHEM LABORATORIES, INC., Pittsburgh, Pa.
Filed December 23, 1935. Serial No. 372,951. PUBLISHED MARCH 17, 1936. Class 6.

335,346. ANTISEPTICS, GERMICIDES, AND DEODORANTS. BETHLEHEM LABORATORIES, INC., Pittsburgh, Pa.
Filed December 28, 1935. Serial No. 372,952. PUBLISHED MARCH 17, 1936. Class 6.

335,347. TROUSERS. MEYERS BROTHERS, Lexington, Ky.
Filed December 23, 1935. Serial No. 372,982. PUBLISHED MARCH 17, 1936. Class 39.

335,348. SWEAT BANDS SOLD SEPARATE AND APART FROM HEAD GEAR. ABRAHAM RUBENSTEIN, New York, N. Y.
Filed December 23, 1935. Serial No. 372,998. PUBLISHED MARCH 24, 1936. Class 39.

335,349. NITROCELLULOSE LACQUERS FOR WALLS, CEILINGS, FLOORS, LINOLEUM, WALL PAPER, AUTOMOBILES, FURNITURE, RUBBER, METAL, AND THE LIKE, AND FOR PRIMERS AND THINNERS FOR SUCH LACQUERS. PYROXYLIN PRODUCTS, INC., Chicago, Ill.
Filed September 1, 1932. Serial No. 330,051. PUBLISHED OCTOBER 15, 1935. Class 16.

335,350. WHISKY. J. G. TURNEY & SON, LTD., Wilmington, Del., assignor to The James Martin (Scotch Distillers) Corporation, New York, N. Y., a corporation of New York.
Filed November 29, 1933. Serial No. 344,302. PUBLISHED MARCH 13, 1934. Class 49.

335,351. LEATHER BUTTONS. UNITED-CARR FASTENER CORPORATION, Cambridge, Mass.
Filed January 16, 1934. Serial No. 346,139. PUBLISHED MARCH 3, 1936. Class 40.

335,352. WHISKEY, GIN, BRANDY, COGNAC, AND OTHER ALCOHOLIC CORDIALS. DAVID J. WHITE, doing business as D. J. White Distilling Company, Baltimore, Md., assignor to Distillers Corporation, Limited, of Montreal, Canada, a corporation of Canada.
Filed February 16, 1934. Serial No. 347,479. PUBLISHED APRIL 10, 1934. Class 49.

335,353. FOUNTAIN PENS, MECHANICAL PENCILS, AND DESK SETS. THE PARKER PEN COMPANY, Janesville, Wis.
Filed May 31, 1934. Serial No. 352,099. PUBLISHED JANUARY 15, 1935. Class 37.

335,354. FOOTWEAR CONSISTING OF RUBBERS, BOOTS, OVERSHOES, AND GAITERS OF RUBBER OR RUBBER AND FABRIC, HAVING COMPLETE HEELS AND TOES. FIRESTONE FOOTWEAR COMPANY, Hudson, Mass., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware.
Filed June 9, 1934. Serial No. 352,477. PUBLISHED AUGUST 20, 1935. Class 39.

335,355. BARBED WIRE. THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Pittsburgh, Pa., Cleveland, Ohio, Chicago, Ill., New York, N. Y., Worcester, Mass., and Hoboken, N. J.
Filed June 21, 1934. Serial No. 352,952. PUBLISHED MARCH 17, 1936. Class 13.

335,356. BARBED WIRE. THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Pittsburgh, Pa., Cleveland, Ohio, Chicago, Ill., New York, N. Y., Worcester, Mass., and Hoboken, N. J.
Filed June 21, 1934. Serial No. 352,953. PUBLISHED MARCH 17, 1936. Class 13.

335,357. ALE. HABERLE CONGRESS BREWING CO., INC., Syracuse, N. Y.
Filed July 18, 1934. Serial No. 354,036. PUBLISHED NOVEMBER 20, 1934. Class 48.

335,358. BARBED WIRE. THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Pittsburgh, Pa., Cleveland, Ohio, Chicago, Ill., New York, N. Y., Worcester, Mass., and Hoboken, N. J.
Filed July 19, 1934. Serial No. 354,067. PUBLISHED MARCH 3, 1936. Class 13.

335,359. SPAGHETTI. MILANI'S, INC., Seattle, Wash.
Filed August 10, 1934. Serial No. 354,852. PUBLISHED MARCH 24, 1936. Class 46.

335,360. VANITY CASES, ROUGE BOXES, EYE-BROW PENCIL HOLDERS, COMPACT BOXES, ETC. ELGIN AMERICAN COMPANY, Elgin, Ill.
Filed August 13, 1934. Serial No. 354,927. PUBLISHED OCTOBER 9, 1934. Class 2.

335,361. WOMEN'S SHOES OF LEATHER, FABRIC, OR RUBBER, OR COMBINATIONS THEREOF, AND WOMEN'S HOSIERY. SHOECRAFT, INC., New York, N. Y.
Filed August 30, 1934. Serial No. 355,587. PUBLISHED MARCH 3, 1936. Class 39.

335,362. HATS FOR THE USE OF MEN AND WOMEN. BERNARD KRULWICH & CO., New York, N. Y.
Filed December 16, 1935. Serial No. 372,673. PUBLISHED FEBRUARY 25, 1936. Class 39.

335,363. READY MIXED PAINTS AND PROTECTIVE COATINGS FOR METAL SURFACES IN THE NATURE OF A PAINT. NATIONAL BOILER IMPROVEMENT CO., Washington, D. C.
Filed December 16, 1935. Serial No. 372,682. PUBLISHED MARCH 24, 1936. Class 16.

335,364. WOVEN CORD FOR TRIMMING AND ORNAMENTAL PURPOSES. TREMONT MILLS CORPORATION, New York, N. Y.
Filed December 17, 1935. Serial No. 372,750. PUBLISHED MARCH 3, 1936. Class 40.

335,365. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. THE OLD QUAKER COMPANY, Lawrenceburg, Ind.
Filed October 11, 1934. Serial No. 357,022. PUBLISHED NOVEMBER 13, 1934. Class 49.

335,366. WHISKEY. HIRAM WALKER & SONS, INC., Peoria, Ill.
Filed October 18, 1934. Serial No. 357,264. PUBLISHED NOVEMBER 27, 1934. Class 49.

335,367. LEATHER AND FABRIC OR A COMBINATION OF LEATHER AND FABRIC BOOTS AND SHOES. HOGE-MONTGOMERY COMPANY, INC., Frankfort, Ky.
Filed October 19, 1934. Serial No. 357,285. PUBLISHED MARCH 24, 1936. Class 39.

335,368. MALT BEVERAGES—VIZ., BEER. WAUSAU BREWING COMPANY, Wausau, Wis.
Filed November 22, 1934. Serial No. 358,537. PUBLISHED JANUARY 22, 1935. Class 48.

335,369. ICE CREAM FREEZERS. CHERRY-BURRELL CORPORATION, Chicago, Ill.
Filed December 13, 1934. Serial No. 359,271. PUBLISHED MARCH 17, 1936. Class 31.

335,370. HOSE SUPPORTER TABS. CHARLES B. HAMILL AND HOWARD A. SMITH, Bridgeport, Conn.
Filed January 10, 1935. Serial No. 360,093. PUBLISHED MARCH 17, 1936. Class 40.

335,371. [WITHDRAWN.]

335,372. WHISKY. JOHN DEWAR & SONS LIMITED, Perth, Scotland, and London, England.
Filed January 30, 1935. Serial No. 360,844. PUBLISHED SEPTEMBER 3, 1935. Class 49.

335,373. SHEET METAL FOR PAILS. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y.
Filed February 6, 1935. Serial No. 361,092. PUBLISHED MARCH 24, 1936. Class 14.

335,374. METAL ANODES, ESPECIALLY THOSE CONTAINING NICKEL; NICKEL CONTAINING CASTINGS; SHEETS, RODS, WIRE, BILLETS, SLABS AND STRIP; TUBING; ALLOY CASTINGS OR FORGINGS IN THE FORM OF PIG AS AN INTERMEDIATE ADDITION MATERIAL FOR MAKING A NICKEL CONTAINING IRON CASTING; AND ELECTRIC CHROME NICKEL WELDING WIRE. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y.
Filed February 6, 1935. Serial No. 361,094. PUBLISHED MARCH 24, 1936. Class 14.

335,375. GASOLINE. SUNSET OIL COMPANY, Los Angeles, Calif.
Filed February 6, 1935. Serial No. 361,127. PUBLISHED MARCH 3, 1936. Class 15.

335,376. TRANSFER PAPER, INCLUDING PAPER HAVING A METALLIC COATING. COUGHLIN MANUFACTURING COMPANY, New York, N. Y.
Filed February 21, 1935. Serial No. 361,708. PUBLISHED MARCH 24, 1936. Class 37.

335,377. TABLE SYRUP. AMERICAN SYRUP & SORGHUM CO., St. Louis, Mo.
Filed July 25, 1935. Serial No. 367,650. PUBLISHED MARCH 24, 1936. Class 46.

335,378. PREPARATION FOR THE TREATMENT OF SUNBURN, POISON OAK AND IVY, SCALDS, BURNS, AND IRRITATION FROM POLLEN. SPENCER D. BROCKWAY, doing business as Sun Han Products Co., Portland, Oreg.
Filed July 13, 1935. Serial No. 367,230. PUBLISHED MARCH 24, 1936. Class 6.

335,379. PRINTER'S BLANKETS. BEHR-MANNING CORPORATION, Troy, N. Y.
Filed July 8, 1935. Serial No. 367,060. PUBLISHED MARCH 24, 1936. Class 50.

335,380. RUBBER HEELS. JOSEPH PIETZUCH, Glendale, Calif.
Filed July 6, 1935. Serial No. 367,038. PUBLISHED SEPTEMBER 10, 1935. Class 39.

335,381. SHOES, PARTICULARLY FOR LADIES' AND MISSES' SHOES MADE OF LEATHER OR FABRIC OR COMBINATIONS OF THE SAME. WOHL SHOE COMPANY, St. Louis, Mo.
Filed July 5, 1935. Serial No. 367,011. PUBLISHED MARCH 17, 1936. Class 39.

335,382. PAPER RECEPTACLES—NAMELY, ENVELOPES. THE BROWN BAG FILLING MACHINE CO., Fitchburg, Mass.
Filed November 18, 1935. Serial No. 371,673. PUBLISHED MARCH 3, 1936. Class 37.

335,383. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. STAR BOTTLING WORKS, INC., Philadelphia, Pa.
Filed November 20, 1935. Serial No. 371,789. PUBLISHED MARCH 24, 1936. Class 45.

335,384. CARTOONS. HERBERT ARMSTRONG, Nashville, Tenn.
Filed November 21, 1935. Serial No. 371,804. PUBLISHED MARCH 17, 1936. Class 38.

335,385. SHOES MADE OF LEATHER, RUBBER, FABRIC AND COMBINATIONS THEREOF. NU-WAY SHOE COMPANY, New York, N. Y.
Filed November 22, 1935. Serial No. 371,885. PUBLISHED MARCH 17, 1936. Class 39.

335,386. RADIO RECEIVING SETS, TELEVISION RECEIVING SETS, KITS FOR RADIO RECEIVING SETS, KITS FOR TELEVISION RECEIVING SETS, ETC. RCA MANUFACTURING COMPANY, INC., Camden, N. J.
Filed November 22, 1935. Serial No. 371,886. PUBLISHED MARCH 24, 1936. Class 21.

335,387. SHOES MADE OF LEATHER, RUBBER, FABRICS, AND COMPOSITIONS THEREOF, AND INSOLES THEREFOR. BENJAMIN J. SILVER, New York, N. Y.
Filed November 25, 1935. Serial No. 371,980. PUBMARCH 3, 1936. Class 39.

335,388. SHEET MUSIC, BOOKS OF MUSICAL COMPOSITIONS, AND MUSICAL COMPOSITIONS. HAROLD FLAMMER, INCORPORATED, New York, N. Y.
Filed November 26, 1935. Serial No. 372,006. PUBLISHED MARCH 17, 1936. Class 38.

335,389. FOUNDATION GARMENT, CORSET, GIRDLES, COMBINATIONS CONSISTING OF A BRASSIÈRE AND A GIRDLE, BRASSIÈRES, AND BANDEAUX. LOUIS BRILL, doing business as Brill Corset Company, Philadelphia, Pa.
Filed November 27, 1935. Serial No. 372,041. PUBLISHED MARCH 3, 1936. Class 39.

335,390. LEATHER BOOT AND SHOE LACES. CALIFORNIA TANNING COMPANY, St. Louis, Mo.
Filed November 27, 1935. Serial No. 372,043. PUBLISHED MARCH 17, 1936. Class 40.

335,391. SHOES MADE OF RUBBER, LEATHER, FABRIC, OR COMBINATION OF THOSE MATERIALS. VOLK BROS. COMPANY, INC., Dallas, Tex.
Filed December 2, 1935. Serial No. 372,224. PUBLISHED MARCH 17, 1936. Class 39.

335,392. CANNED GRAPEFRUIT JUICE AND CANNED ORANGE JUICE FOR FOOD PURPOSES. BRUCE'S JUICES, INC., Tampa, Fla.
Filed December 9, 1935. Serial No. 372,390. PUBLISHED MARCH 17, 1936. Class 46.

335,393. CANNED VEGETABLES. LANGE CANNING COMPANY, Eau Claire, Wis.
Filed December 9, 1935. Serial No. 372,424. PUBLISHED MARCH 17, 1936. Class 46.

335,394. BEER. REGAL BREWING COMPANY, Detroit, Mich.
Filed December 9, 1935. Serial No. 372,432. PUBLISHED MARCH 24, 1936. Class 48.

335,395. FRESH CITRUS FRUITS. DONNA CITRUS ASSOCIATION, Donna, Tex.
Filed December 10, 1935. Serial No. 372,462. PUBLISHED MARCH 24, 1936. Class 46.

335,396. FRESH CITRUS FRUITS. DONNA CITRUS ASSOCIATION, Donna, Tex.
Filed December 10, 1935. Serial No. 372,464. PUBLISHED MARCH 24, 1936. Class 46.

335,397. MALT COMPOUNDS FOR MIXING WITH FOODS AND FOR FLAVORING FOODS, AND FOR PREPARATIONS FOR MAKING FOOD DRINKS COMPOSED OF MALT, COCOA, AND OTHER INGREDIENTS. AL J. HANTEN, doing business as Dufold Malted Co., St. Paul, Minn.
Filed December 13, 1935. Serial No. 372,597. PUBLISHED MARCH 24, 1936. Class 46.

335,398. FELT HATS FOR MEN. HAT CORPORATION OF AMERICA, Norwalk, Conn.
Filed December 11, 1935. Serial No. 372,514. PUBLISHED MARCH 3, 1936. Class 39.

335,399. COFFEE. RUSSELL & CO., INC., New York, N. Y.
Filed December 12, 1935. Serial No. 372,572. PUBLISHED MARCH 17, 1936. Class 46.

335,400. MEN'S AND BOYS' FELT AND STRAW HATS AND CLOTH CAPS, MEN'S SILK HATS, AND FELT AND STRAW HATS FOR WOMEN AND CHILDREN. JOHN B. STETSON COMPANY, Philadelphia, Pa.
Filed December 12, 1935. Serial No. 372,573. PUBLISHED MARCH 3, 1936. Class 39.

335,401. FRESH CITRUS FRUITS. DONNA CITRUS ASSOCIATION, Donna, Tex.
Filed December 10, 1935. Serial No. 372,466. PUBLISHED MARCH 24, 1936. Class 46.

335,402. LADIES' SHOES MADE OF LEATHER, AND LEATHER AND FABRIC COMBINATIONS. THE LONGINI SHOE MANUFACTURING CO., Cincinnati, Ohio.
Filed January 24, 1936. Serial No. 374,053. PUBLISHED MARCH 24, 1936. Class 39.

335,403. PHOTOGRAPHIC DEVELOPER. HAROLD H. FRIES, doing business as Fries Bros., New York, N. Y.
Filed February 7, 1936. Serial No. 374,583. PUBLISHED MARCH 24, 1936. Class 6.

335,404. CREAM POLISH, OIL POLISH, AND POLISHING WAX TO BE USED FOR FURNITURE, WOODWORK, FLOORS, LINOLEUM, AUTOS, OR ANY PAINTED, ENAMELED, LACQUERED, OR VARNISHED SURFACE. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed February 7, 1936. Serial No. 374,604. PUBLISHED MARCH 24, 1936. Class 16.

335,405. TARGET THROWING TRAPS. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn.
Filed February 14, 1936. Serial No. 374,851. PUBLISHED MARCH 24, 1936. Class 22.

335,406. TARGET THROWING TRAPS. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn.
Filed February 14, 1936. Serial No. 374,852. PUBLISHED MARCH 24, 1936. Class 22.

335,407. TARGET THROWING TRAPS. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn.
Filed February 14, 1936. Serial No. 374,853. PUBLISHED MARCH 24, 1936. Class 22.

335,408. LADIES' COATS AND SUITS. KESSLER, SCHWARTZ & CO., INC., New York, N. Y.
Filed January 22, 1936. Serial No. 373,963. PUBLISHED MARCH 24, 1936. Class 39.

335,409. STORAGE BATTERIES. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed January 31, 1936. Serial No. 374,344. PUBLISHED MARCH 24, 1936. Class 21.

335,410. DOLLS. BERTHA BEHRMAN, doing business as Alexander Doll Co., and Madame Alexander, New York, N. Y.
Filed January 30, 1936. Serial No. 374,273. PUBLISHED MARCH 24, 1936. Class 22.

335,411. FISHING RODS. GEPHART MANUFACTURING CO., Chicago, Ill.
Filed January 30, 1936. Serial No. 374,292. PUBLISHED MARCH 24, 1936. Class 22.

335,412. LAUNDRY MARKING MACHINES. THE NATIONAL MARKING MACHINE COMPANY, Cincinnati, Ohio.
Filed January 30, 1936. Serial No. 374,297. PUBLISHED MARCH 24, 1936. Class 24.

335,413. PRINTING AND WRITING PAPERS. VALLEY FORGE ENVELOPE & PAPER COMPANY, Philadelphia, Pa.
Filed January 30, 1936. Serial No. 374,306. PUBLISHED MARCH 24, 1936. Class 37.

335,414. CAPS FOR PROTECTING WOMEN'S HAIR. MAX STONE, New York, N. Y.
Filed December 23, 1935. Serial No. 373,003. PUBLISHED MARCH 24, 1936. Class 39.

335,415. CIGARS. WEBSTER EISENLOHR, INC., New York, N. Y.
Filed December 23, 1935. Serial No. 373,005. PUBLISHED MARCH 24, 1936. Class 17.

335,416. CIGARS. WEBSTER EISENLOHR, INC., New York, N. Y.
Filed December 23, 1935. Serial No. 373,006. PUBLISHED MARCH 24, 1936. Class 17.

335,417. RAZORS AND RAZOR BLADES. CONRAD RAZOR BLADE CO. INC., Long Island City, N. Y.
Filed December 27, 1935. Serial No. 373,098. PUBLISHED MARCH 24, 1936. Class 23.

335,418. CHILDREN'S FURNITURE AND TRAINING ACCESSORIES—NAMELY, CHILDREN'S NURSERY SEATS, NURSERY CHAIRS, CHILDREN'S AUTOMOBILE SEATS, PLAY PENS, TABLE AND CHAIR SETS, DESKS, CHAIRS, TABLES, CRIBS, BEDS, DRESSERS, CHIFFOROBES, COSTUMERS, DEFLECTORS FOR NURSERY SEATS, BOOKCASES, STOOLS, AND EASELS. CHILD CRAFT GUILD, INC., Detroit, Mich.
Filed December 28, 1935. Serial No. 373,128. PUBLISHED MARCH 24, 1936. Class 32.

335,419. SUITS AND OVERCOATS FOR MEN, WOMEN, AND CHILDREN. ISAAC FREEDMAN, doing business as I. Freedman & Co., New York, N. Y.
Filed December 31, 1935. Serial No. 373,208. PUBLISHED MARCH 17, 1936. Class 39.

335,420. APPAREL FOR MEN, WOMEN, AND CHILDREN—NAMELY, CAPS, HATS, SCARFS, AND LEATHER COATS. CHARLES S. MERTON & CO., East Rutherford, N. J.
Filed December 28, 1935. Serial No. 373,142. PUBLISHED MARCH 17, 1936. Class 39.

335,421. NAIL WHITE, SHAMPOO, HAIR OIL, NAIL, REJUVENATOR AND POLISH REMOVER, HAIR BLEACH OIL, NAIL TONIC, NAIL POLISH THINNER, CUTICLE SOLVENT, AND FACIAL CREAM. BLAINE CULVER, Los Angeles, Calif.
Filed December 30, 1935. Serial No. 373,165. PUBLISHED MARCH 24, 1936. Class 6.

335,422. SHOES AND SLIPPERS CONSTRUCTED OF LEATHER, FABRIC, AND STRAW. GROVES SHOE COMPANY, Chicago, Ill.
Filed January 2, 1936. Serial No. 373,257. PUBLISHED MARCH 17, 1936. Class 39.

335,423. SNAP FASTENERS, INCLUDING THE TYPE OF SNAP FASTENERS COMMERCIALLY KNOWN IN THE TRADE AS RIVETTING FASTENERS AND USED AMONG OTHERS AS A CLOSING MEANS FOR SHOES, GALOSHES, RAINCOATS, SWEATERS, AND OTHER SPORT APPAREL, ETC. WALDES KOH-I-NOOR, INC., Long Island City, N. Y.
Filed January 2, 1936. Serial No. 373,276. PUBLISHED MARCH 24, 1936. Class 40.

335,424. DRESSES FOR JUNIORS AND MISSES. BARONET JUNIORS, INC., New York, N. Y.
Filed January 3, 1936. Serial No. 373,294. PUBLISHED MARCH 17, 1936. Class 39.

335,425. VINEGARS. THE NEW ENGLAND VINEGAR WORKS, INC., Somerville, Mass.
Filed January 3, 1936. Serial No. 373,318. PUBLISHED MARCH 17, 1936. Class 46.

335,426. ASTRINGENTS, CLEANSING CREAM, ALL-PURPOSE CREAMS, VANISHING CREAMS, AND DEODORANT. FRANCIS ELMQUIST, doing business as House of Twigs, Kansas City, Mo.
Filed January 4, 1936. Serial No. 373,334. PUBLISHED MARCH 24, 1936. Class 6.

335,427. GELATINE, WHITE PHOSPHATED GELATINE, PINK PHOSPHATED GELATINE, AND GELATINE COMPOUND. PLYMOUTH ROCK GELATINE COMPANY, Boston, Mass.
Filed January 4, 1936. Serial No. 373,343. PUBLISHED MARCH 24, 1936. Class 46.

335,428. FRESH VEGETABLES, NOT INCLUDING LETTUCE. HENRY L. LYONS, Pompano, Fla.
Filed January 6, 1936. Serial No. 373,382. PUBLISHED MARCH 24, 1936. Class 46.

335,429. FRESH VEGETABLES, NOT INCLUDING LETTUCE. HENRY L. LYONS, Pompano, Fla.
Filed January 6, 1936. Serial No. 373,383. PUBLISHED MARCH 24, 1936. Class 46.

335,430. SHOES MADE OF LEATHER, FABRIC, AND RUBBER AND COMBINATIONS OF THE SAME. MONARCH SHOE COMPANY, Chicago, Ill.
Filed January 6, 1936. Serial No. 373,389. PUBLISHED MARCH 8, 1936. Class 39.

335,431. MEN'S SUITS. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y.
Filed January 7, 1936. Serial No. 373,424. PUBLISHED MARCH 17, 1936. Class 39.

335,432. POTATO CHIPS. SIDNEY W. HOOPER, doing business as Valley Maid Co., Fargo, N. Dak.
Filed January 6, 1936. Serial No. 373,476. PUBLISHED MARCH 24, 1936. Class 46.

335,433. HATS AND MORE PARTICULARLY WOMEN'S HATS. S. L. ASCH CORPORATION, New York, N. Y.
Filed January 9, 1936. Serial No. 373,483. PUBLISHED FEBRUARY 25, 1936. Class 39.

335,434. WOMEN'S AND CHILDREN'S HATS AND CAPS. SAMUEL SCHEUER, New York, N. Y.
Filed January 9, 1936. Serial No. 373,501. PUBLISHED FEBRUARY 25, 1936. Class 39.

335,435. HAIR WAVE SETTING SOLUTION. LA FAIN INC., Buffalo, N. Y.
Filed January 10, 1936. Serial No. 373,532. PUBLISHED MARCH 24, 1936. Class 6.

335,436. SHOE DRESSING, SHOE POLISH, AND DRY CLEANERS. NEBB PRODUCTS CORP., New York, N. Y.
Filed January 10, 1936. Serial No. 373,537. PUBLISHED MARCH 17, 1936. Class 4.

335,437. BOYS', YOUNG MEN'S, AND MEN'S SUITS, OVERCOATS, AND TOPCOATS. WULF BROS. INC., New York, N. Y.
Filed January 10, 1936. Serial No. 373,548. PUBLISHED MARCH 24, 1936. Class 39.

335,438. MEN'S HATS. R. CINELLI & FIGLI S. A., Signa, Italy.
Filed January 11, 1936. Serial No. 373,560. PUBLISHED MARCH 24, 1936. Class 39.

335,439. KNIT GOODS—NAMELY, HOSIERY. OSCAR NEBEL CO., INC., Hatboro, Pa.
Filed January 13, 1936. Serial No. 373,584. PUBLISHED MARCH 24, 1936. Class 39.

335,440. WOMEN'S SHOES OF LEATHER AND FABRIC, AND A COMBINATION OF THESE MATERIALS. THE SELBY SHOE CO., Portsmouth, Ohio.
Filed November 11, 1935. Serial No. 371,449. PUBLISHED MARCH 17, 1936. Class 39.

335,441. BINDINGS AND COVERINGS FOR BOOKS AND PARTS AND FINDINGS THEREFOR. HERTZBERG BINDERY, Des Moines, Iowa.
Filed January 29, 1936. Serial No. 374,240. PUBLISHED MARCH 24, 1936. Class 50.

335,442. APPAREL FOR MEN, WOMEN, AND CHILDREN—NAMELY, CAPS, SCARFS, HATS, SWEATERS, JACKETS, PANTS, GLOVES, MADE WHOLLY OR IN PART OF FABRIC, ARTIFICIAL LEATHER CLOTH OR LEATHER OR COMBINATIONS THEREOF, AND LEGGINGS. CHARLES S. MERTON & CO., East Rutherford, N. J.
Filed December 18, 1935. Serial No. 372,785. PUBLISHED MARCH 17, 1936. Class 39.

335,443. ORANGES. THE MONARCH ORANGE COMPANY, Wildwood, Fla., and Cleveland, Ohio.
Filed January 23, 1936. Serial No. 374,014. PUBLISHED MARCH 24, 1936. Class 46.

335,444. COAL. OLD BEN COAL CORPORATION, Chicago, Ill.
Filed January 23, 1936. Serial No. 374,018. PUBLISHED MARCH 24, 1936. Class 1.

335,445. TOILET TISSUE. A. P. W. PAPER COMPANY, INC., Albany, N. Y.
Filed February 5, 1936. Serial No. 374,505. PUBLISHED MARCH 24, 1936. Class 37.

335,446. TOILET TISSUE. A. P. W. PAPER COMPANY, INC., Albany, N. Y.
Filed February 5, 1936. Serial No. 374,506. PUBLISHED MARCH 24, 1936. Class 37.

335,447. TOILET TISSUE. A. P. W. PAPER COMPANY, INC., Albany, N. Y.
Filed February 5, 1936. Serial No. 374,507. PUBLISHED MARCH 24, 1936. Class 37.

335,448. LADIES' AND MISSES' SCARFS, COLLARS AND CUFFS, BLOUSES AND DRESSES. LEVIN & GRAD, New York, N. Y.
Filed February 5, 1936. Serial No. 374,526. PUBLISHED MARCH 24, 1936. Class 39.

335,449. REFRIGERATORS FOR THE PRESERVATION OF FOOD STUFFS, AND PARTS THEREOF. JUDSON C. BURNS, INC., Philadelphia, Pa.
Filed February 7, 1936. Serial No. 374,579. PUBLISHED MARCH 24, 1936. Class 31.

335,450. CIGARS. PENNSTATE CIGAR CORPORATION, Philadelphia, Pa.
Filed January 24, 1936. Serial No. 374,056. PUBLISHED MARCH 24, 1936. Class 17.

335,451. FRESH DECIDUOUS FRUITS, FRESH CITRUS FRUITS, FRESH VEGETABLES. RANDOLPH MARKETING CO., Los Angeles, Calif.
Filed January 24, 1936. Serial No. 374,058. PUBLISHED MARCH 17, 1936. Class 46.

335,452. WOMEN'S UNDERWEAR. HER MAJESTY UNDERWEAR CO., Philadelphia, Pa.
Filed January 25, 1936. Serial No. 374,083. PUBLISHED MARCH 24, 1936. Class 39.

335,453. WOMEN'S UNDERWEAR. HER MAJESTY UNDERWEAR CO., Philadelphia, Pa.
Filed January 25, 1936. Serial No. 374,084. PUBLISHED MARCH 24, 1936. Class 39.

335,454. CLOCKS. THE E. INGRAHAM COMPANY, Bristol, Conn.
Filed January 25, 1936. Serial No. 374,086. PUBLISHED MARCH 24, 1936. Class 27.

335,455. WATCHES—NAMELY, WRIST OR STRAP WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed January 27, 1936. Serial No. 374,122. PUBLISHED MARCH 24, 1936. Class 27.

335,456. WATCHES—NAMELY, WRIST OR STRAP WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed January 27, 1936. Serial No. 374,123. PUBLISHED MARCH 24, 1936. Class 27.

335,457. WATCHES—NAMELY, WRIST OR STRAP WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed January 27, 1936. Serial No. 374,124. PUBLISHED MARCH 24, 1936. Class 27.

335,458. LADIES' AND MISSES' FROCKS AND DRESSES. JOS. S. COHEN & SONS CO., INC., New York, N. Y.
Filed January 27, 1936. Serial No. 374,128. PUBLISHED MARCH 17, 1936. Class 39.

335,459. MEN'S, WOMEN'S, AND CHILDREN'S SPORTSWEAR—NAMELY, POLO SHIRTS, DRESS SHIRTS, BEACH PANTS, AND BEACH SLACKS. DAVID D. DONIGER & CO., New York, N. Y.
Filed January 27, 1936. Serial No. 374,131. PUBLISHED MARCH 24, 1936. Class 39.

335,460. RUBBER IN ANY FORM, ALSO IN POWDER FORM. RUBBER-LATEX-POEDER-COMPAGNIE N. V., The Hague, Netherlands.
Filed January 23, 1936. Serial No. 374,022. PUBLISHED MARCH 24, 1936. Class 1.

335,461. NON-ALCOHOLIC MALTLESS BEVERAGES SOLD AS SOFT DRINKS. DAVID E. BIGELOW, New York, N. Y.
Filed February 11, 1936. Serial No. 374,702. PUBLISHED MARCH 24, 1936. Class 45.

335,462. SLIPS AND NIGHTGOWNS. DAVID KORN & CO., INC., New York, N. Y.
Filed January 23, 1936. Serial No. 374,003. PUBLISHED MARCH 17, 1936. Class 39.

335,463. LIQUID VITAMIN D CONCENTRATE. NATIONAL INSTITUTE OF NUTRITION, Los Angeles, Calif., and Buffalo, N. Y.
Filed February 3, 1936. Serial No. 374,430. PUBLISHED MARCH 24, 1936. Class 6.

335,464. RADIO RECEIVING SETS. CHARLES F. SEXTON, doing business as Radio Products Sales Co., Los Angeles, Calif.
Filed February 3, 1936. Serial No. 374,439. PUBLISHED MARCH 24, 1936. Class 21.

335,465. CONCENTRATED LIQUID BLUING AND AN AMMONIA CLEANING COMPOUND. THE MIAMI PRODUCTS & CHEMICAL CO., Dayton, Ohio.
Filed February 4, 1936. Serial No. 374,470. PUBLISHED MARCH 24, 1936. Class 6.

335,466. HANDBAGS. OPPENHEIM, COLLINS & CO. INC., Wilmington, Del.; New York, Brooklyn, and Buffalo, N. Y.; and Philadelphia, Pa.
Filed February 4, 1936. Serial No. 374,477. PUBLISHED MARCH 24, 1936. Class 3.

335,467. TRANSLUCENT MARBLE SLABS. VERMONT MARBLE COMPANY, Proctor, Vt.
Filed February 4, 1936. Serial No. 374,501. PUBLISHED MARCH 24, 1936. Class 1.

335,468. TOP COATS, OVERCOATS, COATS, VESTS, TROUSERS, AND KNICKERBOCKERS FOR MEN, YOUTHS, AND BOYS. L. GREIF & BRO., INCORPORATED, Baltimore, Md.
Filed January 27, 1936. Serial No. 374,138. PUBLISHED MARCH 17, 1936. Class 39.

335,469. BANDEAUX AND FOUNDATION GARMENTS. LEWEL MFG. CO., INC., New York, N. Y.
Filed January 27, 1936. Serial No. 374,146. PUBLISHED MARCH 24, 1936. Class 39.

335,470. SOLES AND HEELS FOR SHOES. JAMES N. WALSH, New York, N. Y.
Filed January 27, 1936. Serial No. 374,170. PUBLISHED MARCH 24, 1936. Class 39.

335,471. FIBRE COUNTERS FOR BOOTS AND SHOES. JOHN M. CARRECABE, INC., Chelsea, Mass.
Filed January 28, 1936. Serial No. 374,179. PUBLISHED MARCH 24, 1936. Class 39.

335,472. WOMEN'S AND CHILDREN'S DRESSES AND FROCKS, APRONS AND SMOCKS. DONNELLY GARMENT COMPANY, Kansas City, Mo.
Filed January 28, 1936. Serial No. 374,182. PUBLISHED MARCH 24, 1936. Class 39.

335,473. INK STANDS, PEN AND INK STANDS, DESK SETS, CORRESPONDENCE RACKS OR HOLDERS, AND BLOTTER HOLDERS, OF BASE METAL. KENSINGTON, INCORPORATED, New Kensington, Pa.
Filed January 28, 1936. Serial No. 374,199. PUBLISHED MARCH 24, 1936. Class 37.

335,474. ORNAMENTAL BOXES AND TRAYS FOR TOBACCO AND CIGARETTES, AND ASH TRAYS, OF BASE METAL. KENSINGTON, INCORPORATED, New Kensington, Pa.
Filed January 28, 1936. Serial No. 374,201. PUBLISHED MARCH 24, 1936. Class 8.

335,475. MAGNESIUM HYDROXIDES, MAGNESIUM OXIDES, AND MAGNESIUM CARBONATES. MARINE CHEMICALS COMPANY, LTD., South San Francisco, Calif.
Filed January 28, 1936. Serial No. 374,202. PUBLISHED MARCH 17, 1936. Class 6.

335,476. NON-ALCOHOLIC, MALTLESS, CONCENTRATED SYRUP FOR SOFT DRINKS. LUDWELL S. OLIVER, doing business as Buxon Company, Irondale, Ala.
Filed January 28, 1936. Serial No. 374,206. PUBLISHED MARCH 24, 1936. Class 45.

335,477. LADIES' COATS AND SUITS. RANIN GARMENT CO., INC., Syracuse, N. Y.
Filed January 28, 1936. Serial No. 374,209. PUBLISHED MARCH 24, 1936. Class 39.

335,478. [WITHDRAWN.]

335,479. GASOLINE. FELDMAN PETROLEUM COMPANY, Chicago, Ill.
Filed March 1, 1935. Serial No. 362,022. PUBLISHED MARCH 3, 1936. Class 15.

335,480. MEN'S AND BOYS' DRESS AND NEGLIGEE SHIRTS WITH ATTACHED COLLARS, DETACHED COLLARS TO MATCH, AND SEPARATE WHITE COLLARS. ESSLEY SHIRT COMPANY, INC., New York, N. Y.
Filed March 2, 1935. Serial No. 362,074. PUBLISHED JULY 16, 1935. Class 39.

335,481. RYE AND BOURBON WHISKEY. HILL-LUTHY CO., Peoria, Ill.
Filed March 8, 1935. Serial No. 362,256. PUBLISHED MAY 21, 1935. Class 49.

335,482. DRIED AND EVAPORATED FRUITS. CALIFORNIA PACKING CORPORATION, San Francisco, Calif.
Filed March 9, 1935. Serial No. 362,290. PUBLISHED MARCH 24, 1936. Class 46.

335,483. MEN'S AND WOMEN'S CLOTHING—NAMELY, MEN'S SUITS, INCLUDING COATS, VESTS, AND TROUSERS; OVERCOATS, AND TOP COATS; AND WOMEN'S SUITS AND COATS. HAHLO & SOLOMON INC., New York, N. Y.
Filed March 12, 1935. Serial No. 362,419. PUBLISHED MARCH 24, 1936. Class 39.

335,484. FRESH CITRUS FRUITS. STANLEY P. BROWN, Mission, Tex.
Filed March 15, 1935. Serial No. 362,557. PUBLISHED MARCH 17, 1936. Class 46.

335,485. LIQUID SOLDER (A FLUID, METALLIZED, ADHESIVE CEMENT). C. W. RENSTROM, doing business as Tip-Top Products Company, Omaha, Nebr.
Filed March 27, 1935. Serial No. 363,063. PUBLISHED JUNE 25, 1935. Class 5.

335,486. WHISKEY. D. A. SCHULTE, INC., New York, N. Y.
Filed April 16, 1935. Serial No. 363,827. PUBLISHED AUGUST 13, 1935. Class 49.

335,487. WHISKEY. D. A. SCHULTE, INC., New York, N. Y.
Filed April 16, 1935. Serial No. 363,829. PUBLISHED AUGUST 13, 1935. Class 49.

335,488. LEATHER SHOES. MONARCH SHOE COMPANY, Chicago, Ill.
Filed May 13, 1935. Serial No. 364,883. PUBLISHED MARCH 3, 1936. Class 39.

335,489. WHISKEY. PENN-MARYLAND CORPORATION, New York, N. Y., assignor, by mesne assignments, to National Distillers Products Corporation, New York, N. Y., a corporation of Virginia.
Filed May 14, 1935. Serial No. 364,929. PUBLISHED JULY 2, 1935. Class 49.

335,490. DANCING SLIPPERS AND DANCING SHOES. LEO HARRIS, doing business as The Advance Theatrical Shoe Company, Chicago, Ill.
Filed May 17, 1935. Serial No. 365,035. PUBLISHED MARCH 17, 1936. Class 39.

335,491. MACHINES KNOWN AS MILK SEPARATORS, WHEY SEPARATORS; EMULSIFIERS, CLARIFIERS, AND PURIFIERS FOR LIQUIDS AND CHEMICALS; MILK COOLERS, MILK PASTEURIZERS; SPECIAL CENTRIFUGAL MACHINES FOR OIL, FAT, AND DIRT REMOVAL. UNITED DAIRY EQUIPMENT COMPANY, West Chester, Pa.
Filed May 17, 1935. Serial No. 365,054. PUBLISHED MARCH 24, 1936. Class 23.

335,492. BACON AND PICNICS. TOVREA PACKING COMPANY, Phoenix, Ariz.
Filed June 12, 1935. Serial No. 366,124. PUBLISHED MARCH 24, 1936. Class 46.

335,493. RADIO RECEIVING SETS AND RADIO BROADCASTING SETS AND PARTS THEREFOR. WESTERN CLOCK COMPANY, Peru, Ill.
Filed June 12, 1935. Serial No. 366,130. PUBLISHED MARCH 24, 1936. Class 21.

335,494. POWDERED WHEY CONCENTRATE WITH ADDED MILK MINERALS. MILK MINERALS CO. INC., New York, N. Y., now by change of name to Protein Mineral Co. Inc., assignor to Milk Minerals Co. Inc., a corporation of Delaware.
Filed June 14, 1935. Serial No. 366,205. PUBLISHED SEPTEMBER 10, 1935. Class 46.

335,495. HOLDERS FOR SAND PAPERS AND OTHER ABRASIVE MATERIALS IN SHEET FORM. LANDON P. SMITH, INC., Irvington, N. J.
Filed June 24, 1935. Serial No. 366,602. PUBLISHED AUGUST 20, 1935. Class 23.

335,496. NONALCOHOLIC MALTLESS EXTRACTS AND CONCENTRATED FRUIT SYRUPS USED IN THE PREPARATION OF SOFT DRINKS, PARTICULARLY FOR ORANGE BEVERAGE. J. F. LAZIER MANUFACTURING CO., INC., St. Louis, Mo.
Filed June 27, 1935. Serial No. 366,721. PUBLISHED OCTOBER 15, 1935. Class 45.

335,497. LEATHER AND SHEEP-LINED CLOTH COATS, COATS HAVING LEATHER EXTERIORS, SKI SUITS, AND HEAVY WOOL MACKINAW-TYPE COATS. ROUGH WEAR CLOTHING CO., INC., Middletown, Pa., and New York, N. Y.
Filed June 28, 1935. Serial No. 366,776. PUBLISHED OCTOBER 1, 1935. Class 39.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

335,498. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE CARPENTER STEEL COMPANY, Reading, Pa. Filed Apr. 17, 1935. Serial No. 363,849.

OIL-HARD

For Steel in Bars, Billets, and Shapes.
Claims use since Mar. 19, 1935.

335,499. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ADA MILLING COMPANY, Ada, Okla. Filed Mar. 20, 1935. Serial No. 362,762.

GOOD-MILK

For Dairy Feed.
Claims use since Jan. 1, 1935.

335,500. (CLASS 2. RECEPTACLES.) PAPER DISPENSERS, INC., Chicago, Ill. Filed May 31, 1935. Serial No. 365,651.

Kwik~Grip

For Metal Cabinets for Dispensing Waxed Paper, Paper Toweling, and the Like.
Claims use since Apr. 20, 1935.

335,501. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE UNITED STATES PLAYING CARD COMPANY, Cincinnati, Ohio. Filed Apr. 27, 1936. Serial No. 377,725.

Beverly

For Playing Cards.
Claims use since 1931.

335,502. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) GIMBEL BROTHERS, INC., New York, N. Y. Filed Apr. 24, 1936. Serial No. 377,576.

Bristol Club

For Gin.
Claims use since Apr. 3, 1935.

335,503. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) WALTER P. POWERS, Chicago, Ill. Filed Mar. 25, 1936. Serial No. 376,402.

WESTPORT

For Whiskey.
Claims use since Oct. 17, 1934.

335,504. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) WALTER P. POWERS, Chicago, Ill. Filed Mar. 25, 1936. Serial No. 376,401.

OAKVILLE

For Whiskey.
Claims use since Jan. 15, 1934.

335,505. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE CARPENTER STEEL COMPANY, Reading, Pa. Filed Apr. 17, 1935. Serial No. 363,850.

OIL-TOUGH

For Steel in Bars, Billets, and Shapes.
Claims use since Mar. 19, 1935.

335,506. (CLASS 12. CONSTRUCTION MATERIALS.) WINTON LUMBER COMPANY, Minneapolis, Minn. Filed Apr. 6, 1936. Serial No. 376,878.

WINTON

For Lumber.
Claims use since Feb. 1, 1929.

335,507. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) M. & K. HANDKERCHIEF COMPANY, INC., New York, N. Y. Filed Mar. 10, 1936. Serial No. 375,803.

RIVOLI BRAND

For Handkerchiefs.
Claims use since Jan. 1, 1926.

335,508. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SCHNEIDER & ARMITAGE, New York, N. Y. Filed Mar. 5, 1936. Serial No. 375,601.

PENN-STATE
WORSTED MILLS

For Woolen and Worsted Piece Goods.
Claims use since July, 1930.

335,509. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) THE K. TAYLOR DISTILLING COMPANY, INC., Frankfort, Ky. Filed Mar. 4, 1936. Serial No. 375,562.

TAYLOR MADE WHISKIES

For Whisky, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Feb. 15, 1934.

335,510. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE JOSEPH & FEISS COMPANY, Cleveland, Ohio. Filed Mar. 5, 1935. Serial No. 362,141.

STURDITWIST

For Woolen Piece Goods.
Claims use since Feb. 1, 1935.

335,511. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) LONDON HOUSE, LTD., New York, N. Y. Filed May 1, 1935. Serial No. 364,429.

London House

For Smokers' Pipes, Ashtrays, Ash Receivers, Humidors, Tobacco Pouches, Cigar and Cigarette Holders, and Cigarette Papers.
Claims use since Apr. 14, 1935.

335,512. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE CARPENTER STEEL COMPANY, Reading, Pa. Filed Apr. 17, 1935. Serial No. 363,851.

OIL-WEAR

For Steel in Bars, Billets and Shapes.
Claims use since Mar. 19, 1935.

335,513. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) NORTHWESTERN BARB WIRE COMPANY, Sterling, Ill. Filed Apr. 8, 1935. Serial No. 363,515.

"Clinch-Hed"

For Wire Bale Ties.
Claims use since May 24, 1933.

335,514. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELKHART LAKE CANNING COMPANY, Elkhart Lake, Wis. Filed Nov. 11, 1935. Serial No. 371,420.

Ever-Ready

For Canned Peas.
Claims use since January, 1925.

335,515. (CLASS 39. CLOTHING.) THE NOBIL SHOE COMPANY, Akron, Ohio. Filed Feb. 13, 1936. Serial No. 374,795.

HEALTH-EZE

For Children's Leather Shoes.
Claims use since November, 1934.

335,516. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WM. AYERS AND SONS, INC., Philadelphia, Pa. Filed Feb. 19, 1936. Serial No. 375,034.

NOTAIRE

For Woven and Re-inforced Blankets.
Claims use since Dec. 11, 1934.

TRADE-MARK REGISTRATIONS RENEWED

109,757. RUBBER SHOES. Registered April 18, 1916. MISHAWAKA WOOLEN MANUFACTURING COMPANY. Renewed April 18, 1936, to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana, by change of name.

109,758. KNIT AND FELT WOOL BOOTS, AS WELL AS KNIT WOOL SOCKS. Registered April 18, 1916. MISHAWAKA WOOLEN MANUFACTURING COMPANY. Renewed April 18, 1936, to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana, by change of name.

109,927. POCKET AND TABLE CUTLERY. Registered April 25, 1916. NEW YORK KNIFE COMPANY, New York, N. Y. Renewed April 25, 1936, to Imperial Knife Company, Inc., Providence, R. I., a corporation of Rhode Island, assignee.

110,476. BICYCLES. Registered May 23, 1916. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed May 23, 1936.

110,684. FACE-POWDERS, TALCUM POWDERS, SACHET-POWDERS, AND PERFUMES. Registered June 6, 1916. THE REMILLER CO. Renewed June 6, 1936, to Darnee, Inc., New York, N. Y., a corporation of New York, assignee.

110,864. HOSIERY. Registered June 13, 1916. MISHAWAKA WOOLEN MANUFACTURING COMPANY. Renewed June 13, 1936, to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana, by change of name.

111,109. A NEWSPAPER-SECTION. Registered June 27, 1916. STAR COMPANY. Renewed June 27, 1936, to King Features Syndicate, Inc., New York, N. Y., a corporation of New York, successor.

111,458. OLEOMARGARIN. Registered July 18, 1916. JOHN F. JELKE COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 18, 1936.

111,649. KNIT WOOL BOOTS AND FELT BOOTS. Registered July 25, 1916. MISHAWAKA WOOLEN MANUFACTURING COMPANY. Renewed July 25, 1936, to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a corporation of Indiana, by change of name.

111,759. LUBRICANTS. Registered August 1, 1916. PANAMA LUBRICANTS COMPANY. Renewed August 1, 1936, to The Pennsoil Company, Los Angeles, Calif., a corporation of California, by change of name.

112,328. SOLID FUEL COMPOSED MAINLY OF ALCOHOL. Registered August 29, 1916. S. STERNAU & CO. Renewed August 29, 1936, to Sterno Corporation, New York, N. Y., a corporation of Maryland, assignee by mesne assignments.

112,908. A PRESERVATIVE COATING FOR EGGS. Registered October 3, 1916. GEO. H. LEE COMPANY, Omaha, Nebr., a corporation of Nebraska. Renewed October 3, 1936.

112,957. CERTAIN NAMED PHARMACEUTICAL PREPARATIONS FOR TOILET PURPOSES. Registered October 3, 1916. V. VIVAUDOU, INC., New York, N. Y. Renewed October 3, 1936, to Vadsco Sales Corporation, Long Island City, N. Y., a corporation of Delaware, assignee by mesne assignments.

112,959. CERTAIN NAMED PHARMACEUTICAL PREPARATIONS FOR TOILET PURPOSES. Registered October 3, 1916. V. VIVAUDOU, INC., New York, N. Y. Renewed October 3, 1936, to Vadsco Sales Corporation, Long Island City, N. Y., a corporation of Delaware, assignee by mesne assignments.

112,960. CERTAIN NAMED PHARMACEUTICAL PREPARATIONS FOR TOILET PURPOSES. Registered October 3, 1916. V. VIVAUDOU, INC., New York, N. Y. Renewed October 3, 1936, to Vadsco Sales Corporation, Long Island City, N. Y., a corporation of Delaware, assignee by mesne assignments.

113,277. KNIT UNDERWEAR. Registered October 10, 1916. MECK & CO. Renewed October 10, 1936, to Walter F. Meek, Schuylkill Haven, Pa., assignee.

LABELS
REGISTERED JUNE 2, 1936

47,493.—*Title:* AIR TOX. For an Insecticide. DERRIS, INC., New York, N. Y. Published January 4, 1935.

47,494.—*Title:* PRIMO GASSOSA. For a Soft Drink. JAMES ESPOSITO, Philadelphia, Pa. Published July 1, 1935.

47,495.—*Title:* FRENCH FABRIC CLEANER. For a Liquid Preparation for Cleaning Fabrics. THE FRENCH RENOVATING COMPANY, Cleveland, Ohio. Published March 20, 1936.

47,496.—*Title:* GALL-FLO. For a Medicinal Preparation for Alleviating Distress and Biliousness Arising from a Sluggish Flow of Bile. GALL-FLO LABORATORIES, INC., Cleveland, Ohio. Published January 15, 1935.

47,497.—*Title:* GUEST BREAD. For Bread. HATHAWAY BAKERIES, INC., Cambridge, Mass. Published March 31, 1936.

47,498.—*Title:* KEMP'S FRUITS AND NUTS—CHOCOLATE COVERED. For Chocolate Covered Fruits and Nuts. E. F. KEMP, INC., Somerville, Mass. Published March 21, 1936.

47,499.—*Title:* SKIPPER JIM COOKIES. For Cookies. GEORGE A. KRUG BAKING COMPANY, doing business as Krug Baking Co., Jamaica, L. I., N. Y. Published February 17, 1936.

47,500.—*Title:* ESTRATTO DI POMODORO LOCATELLI. For Tomato Paste. ERCOLE H. LOCATELLI, doing business as Mattia Locatelli, New York, N. Y. Published October 1, 1935.

47,501.—*Title:* CASTLETON. For Dry Gin. LOS ANGELES BREWING CO., Los Angeles, Calif. Published March 20, 1936.

47,502.—*Title:* CEMAS. For a Food Free from Cereal, Egg and Milk. MEAD JOHNSON & COMPANY, Evansville, Ind. Published April 4, 1936.

47,503.—*Title:* BOOTS WHITE SHOE CLEANER. For a White Shoe Cleaner. MILLER WHOLESALE DRUG COMPANY, Cleveland, Ohio. Published February 5, 1936.

47,504.—*Title:* THE RAINBOW GUARANTY. For a Liquid Cleaning and Washing Compound. NAYLEE CHEMICAL COMPANY, Philadelphia, Pa. Published November 25, 1935.

47,505.—*Title:* G-MEN OUTFIT. For Toy Detective Outfits. NEW YORK TOY & GAME CO. INC., New York, N. Y. Published February 25, 1936.

47,506.—*Title:* PENICK. For Syrup. PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Published December 24, 1935.

47,507.—*Title:* VELVA (BLUE LABEL WITH RED LETTERS). For Golden Syrup. PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Published June 6, 1935.

47,508.—*Title:* VELVA (RED LABEL WITH BLUE LETTERS). For Crystal White Syrup. PENICK & FORD, LTD. INCORPORATED, New York, N. Y. Published June 6, 1935.

47,509.—*Title:* PETER PAN WHEAT. For Bread. P. F. PETERSEN BAKING CO., Omaha, Nebr. Published January 1, 1936.

47,510.—*Title:* DARLENE THE NEW FRENCH ICE CREAM. For Ice Cream. PHILADELPHIA DAIRY PRODUCTS COMPANY, INC., doing business as Philadelphia Dairy Products Company, Philadelphia, Pa. Published February 6, 1936.

47,511.—*Title:* WOOD-STOCK. For Kentucky Straight Bourbon. WALTER P. POWERS, Chicago, Ill. Published January 15, 1934.

47,512.—*Title:* CONDITIONED. For Produce. PRODUCE CONDITIONERS, INCORPORATED, Miami, Fla. Published August 1, 1935.

47,513.—*Title:* SIGNAL SEAL RYE RECTIFIED WHISKEY. For Rectified Rye Whiskey. THE RECTIFIED PRODUCTS CORPORATION, Union City, N. J. Published March 10, 1936.

47,514.—*Title:* HAPPY KIDS. For Syrup. W. B. RODDENBERRY CO., Cairo, Ga. Published November 7, 1935.

47,515.—*Title:* MULTI-FRICTION BRAKE SET. For Multi-Friction Brake Sets. SOUTHERN FRICTION MATERIALS COMPANY, Charlotte, N. C. Published April 1, 1936.

47,516.—*Title:* SMOKE'S BRAND FANCY, CREAMERY BUTTER, NO. 602–O. S. For Butter. SUTHERLAND PAPER COMPANY, Kalamazoo, Mich. Published February 11, 1936.

47,517.—*Title:* A STRAWBERRY 'TAK-HOME' SUNDAE. For Sundaes. VORTEX CUP COMPANY, Chicago, Ill. Published December 12, 1935.

47,518.—*Title:* A CHERRY 'TAK-HOME' SUNDAE. For Sundaes. VORTEX CUP COMPANY, Chicago, Ill. Published December 12, 1935.

47,519.—*Title:* A PINEAPPLE 'TAK-HOME' SUNDAE. For Sundaes. VORTEX CUP COMPANY, Chicago, Ill. Published December 12, 1935.

47,520.—*Title:* A CHOCOLATE 'TAK-HOME' SUNDAE. For Sundaes. VORTEX CUP COMPANY, Chicago, Ill. Published December 12, 1935.

47,521.—*Title:* TREASURE ISLAND. For California Wine. HARRY WALTERS, Kansas City, Mo. Published February 17, 1936.

47,522.—*Title:* DOLLY MAID. For Melba Toast. WESTERN BAKERIES CORPORATION LTD., Los Angeles, Calif. Published March 4, 1936.

PRINTS

REGISTERED JUNE 2, 1936

15,711.—*Title:* BEECH-NUT SPEARMINT GUM. For Spearmint Gum. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published March 13, 1936.

15,712.—*Title:* GANTNER SWIM SUITS & WIKIES, FAVORITE OF WATER LOVERS. For Swim Suits. GANTNER & MATTERN COMPANY, San Francisco, Calif. Published January 8, 1936.

15,713.—*Title:* MULE-KICK. For Drain Cleaner, Closet Bowl Cleaner and Crème Porcelain Polish. J. A. SEXHAUER MFG. CO. INC., New York, N. Y. Published February 20, 1936.

15,714.—*Title:* ONE MAN TELLS ANOTHER. For Cigars. THE WOLF COMPANY, Philadelphia, Pa. Published March 17, 1936.

REISSUES

JUNE 2, 1936

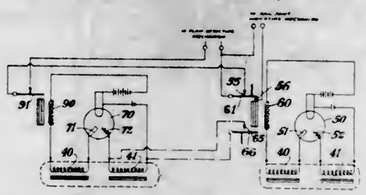
19,991

RAIL FLAW DETECTOR CAR

Loren J. DeLanty, Brooklyn, N. Y., assignor to Sperry Products, Inc., Brooklyn, N. Y., a corporation of New York

Original No. 2,027,814, dated January 14, 1936, Serial No. 696,660, November 4, 1933. Application for reissue March 24, 1936, Serial No. 70,707

13 Claims. (Cl. 175—183)



1. In a rail flaw detector mechanism, means responsive to flaws, an indicator, means whereby said indicator is actuated by said responsive means, the rails being joined by joint-bars, and means for rendering said actuating means ineffective when said responsive means passes over a rail joint, said last-named means comprising an oscillatory circuit and means whereby said circuit is varied by said joint-bars.

12. In a rail flaw detector mechanism, means responsive to flaws, an indicator, means whereby said indicator is actuated by said responsive means, the rails being joined by joint-bars, means positioned in advance of said responsive means and adapted to cooperate with said joint-bars, and means whereby said cooperative means when in cooperative relation with a joint-bar renders said indicator-actuating means ineffective, said last-named means including delayed action means for maintaining said indicator-actuating means ineffective after said cooperative means has passed out of cooperative relation with the respective joint-bar and until said responsive means has passed beyond said joint-bar.

19,992

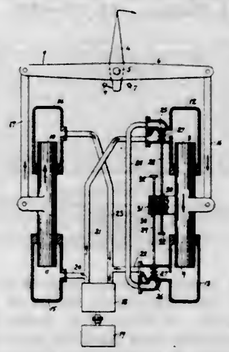
AUTOMATIC BY-PASS FOR HYDRAULIC MECHANISMS

Ralph Erling, Cranford, N. J.

Original No. 1,969,736 (act of 1883, as amended), dated August 14, 1934, Serial No. 660,071, March 8, 1933. Application for reissue January 8, 1936, Serial No. 58,237

17 Claims. (Cl. 60—52)

1. In combination, a rudder post, a crosshead connected thereto, four cylinders arranged in pairs, said pairs being parallel and the cylinders in each pair being aligned, rams connected in pairs and disposed to be operable in said cylinders, means connecting said rams to the crosshead, a pump to supply liquid under pressure, means connecting said cylinders to the pump to apply pressure in one cylinder of each pair and suction in the other cylinder of each pair, the connections being such that the forces exerted on said crosshead due to the said positive pressure are additive, a pipe connecting one cylinder of one pair to the other cylinder of the same pair, a lug carried by the rams operating in the cylinders of the last mentioned pair, a valve adapted to close each end of said pipe and disposed to be moved to closed position by pressure in the adjacent cylinder, a loading spring acting on each valve, a stem connected to each valve and passing through an aperture in said lug and means on each stem adapted to be contacted by said lug to unseat one of said valves substantially at the end of movement of the ram in a direction away from such valve.



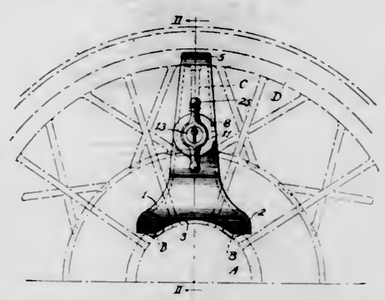
19,993

LOCK FOR SPARE WHEELS AND TIRES

Herbert S. Jandus, Detroit, Mich., and Frederick A. Smith, North Chicago, Ill., assignors to Oakes Products Corporation, North Chicago, Ill., a corporation of Michigan

Original No. 1,881,620, dated October 11, 1932, Serial No. 484,764, September 27, 1930. Application for reissue January 18, 1936, Serial No. 59,697

10 Claims. (Cl. 70—90)



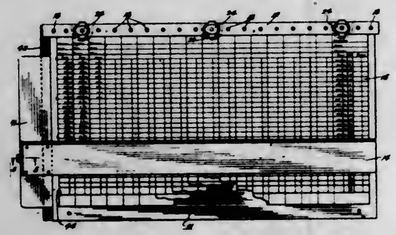
7. In a device of the class described, a spare wheel, tire and tire cover, a carrier having means for mounting the wheel thereon, a plurality of relatively adjustable members engageable with opposite sides of the wheel, one of said members having means to prevent effective access to the

mounting means, the second member and cover being detachably interlocked, and means for locking all of the parts against unauthorized disturbance.

19,994
DEVICE FOR DISTRIBUTION OF ACCOUNTS

Frederick A. Niemann and Kurt F. Ziehm, Chicago, Ill., assignors to Felt & Tarrant Mfg. Co., Chicago, Ill., a corporation of Illinois

Original No. 1,884,814, dated October 25, 1932, Serial No. 537,192, May 13, 1931. Application for reissue August 15, 1934, Serial No. 740,655
14 Claims. (Cl. 120—33)

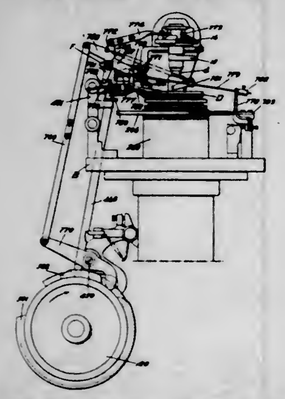


1. A record sheet holder, comprising a backing support for a multiplicity of strips of paper having edge columns of numerical data, a clamping device for engaging and holding said multiplicity of strips of paper in overlapped relation and with only predetermined columns of data exposed on opposite faces of said strips, said clamping device being reversibly attachable to said backing support to optionally display the exposed columns on the two sides of said strips.

19,995
YARN CUTTER AND CLAMP FOR KNITTING MACHINES AND METHOD OF OPERATING SAME

Albert E. Page, Brooklyn, N. Y., assignor to Scott & Williams, Incorporated, New York, N. Y., a corporation of Massachusetts

Original No. 1,860,265, dated May 24, 1932, Serial No. 206,986, July 19, 1927. Application for reissue October 1, 1932, Serial No. 635,871
33 Claims. (Cl. 66—134)

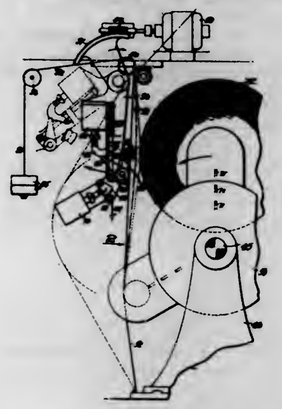


24. A dial cap having cams on one face thereof for controlling dial needles, in combination with main and auxiliary means for severing thread.

19,996
AUTOMATIC SPLICING DEVICE

Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia

Original No. 2,032,244, dated February 25, 1936, Serial No. 556,388, August 11, 1931. Application for reissue March 26, 1936, Serial No. 71,076
21 Claims. (Cl. 242—58)

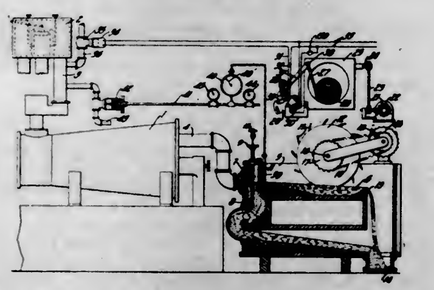


8. In a machine for splicing a running web, the combination of a rotatable web roll support capable of supporting a plurality of web rolls including a running web roll and a fresh web roll, a pasting brush movable from inoperative position to an intermediate postion, means for speeding up the fresh web roll, means for rotating the support to bring the fresh web roll to splicing position adjacent to the running web and stopping rotation of the support, and a circuit completing device adapted to operate after the fresh web roll has been placed in splicing position and has made more than one full revolution to permit the brush to press the running web against the fresh web roll to make a splice.

19,997
FREENESS INDICATOR AND RECORDER

George S. Witham, Jr., Lincoln, N. H.

Original No. 1,945,988, dated February 6, 1934, Serial No. 619,729, June 28, 1932. Application for reissue August 24, 1934, Serial No. 741,345
6 Claims. (Cl. 92—38)



1. In a device of the character described, a drum having a foraminous periphery mounted to rotate in a vertical plane with its lower portion

submerged in a flowing body of paper stock and provided with means adapting it to be driven by said stock as an undershot wheel; means responsive to variations in the rotative speed of said drum for regulating the consistency of the stock; and means for determining variations in the rate of flow of said liquid through the foramina in said drum.

3. In a stock treating system of the character described, a foraminous element both sides of which are normally exposed to atmospheric pressure, means for exposing one side of said element to liquid pressure from said stock, and means continuously responsive to slight variations in the rate of flow of liquid through said element for indicating the current rate of flow therethrough.

PLANT PATENTS

GRANTED JUNE 2, 1936

178
ROSE

Rena Eveline Wilber, Seattle, Wash.

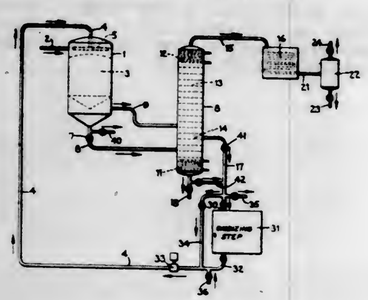
Application January 2, 1936, Serial No. 57,262
1 Claim. (Cl. 47—61)

The variety of climbing rose herein described and illustrated, characterized particularly by its vigorous growth, rich glossy foliage, extremely long buds, early blooming habits, and its plentiful production of beautiful large peach and cadmium colored flowers as described.

PATENTS

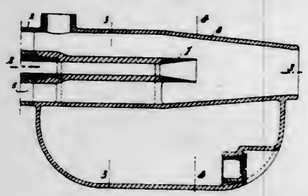
GRANTED JUNE 2, 1936

2,042,448
TREATMENT OF CRACKED HYDROCARBON DISTILLATES
Harold V. Atwell, White Plains, N. Y., assignor to The Gray Processes Corporation, Newark, N. J., a corporation of Delaware
Application November 24, 1934, Serial No. 754,596
6 Claims. (Cl. 196—96)



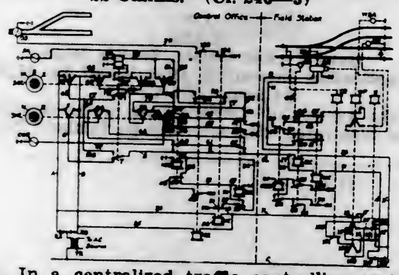
1. In a process for purifying light cracked hydrocarbon distillate by effecting polymerization of gum-forming constituents to products of higher boiling points, the improvement which comprises promoting such polymerization by introducing to the distillate undergoing polymerization treatment polymers formed during the same or a similar treatment, said polymers having been first subjected to the action of an oxidizing agent.

2,042,449
QUICK FIRING ARM
Werner Baumann, Paris, France
Application January 28, 1933, Serial No. 654,072
In France January 29, 1932
9 Claims. (Cl. 89—14)



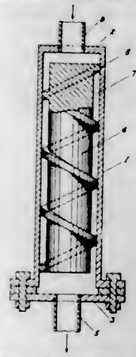
1. A cooling device for quick firing arms which comprises in combination, a sleeve surrounding said arm open at one end to the atmosphere, a cylindrical body adapted to be fixed to the end of said arm, a chamber connected with the inside of said cylindrical body along an intermediate portion thereof but without direct communication with said sleeve, a nozzle fixed to the end of said sleeve and opening into the atmosphere, and a nozzle fixed to the outer end of said cylindrical body and opening substantially coaxially into said first mentioned nozzle, whereby the exhaust gases escaping through the second mentioned nozzle cause a stream of cooling air to flow through said sleeve.

2,042,450
CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS
Edwin O. Blodgett, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application April 13, 1933, Serial No. 665,990
22 Claims. (Cl. 246—3)



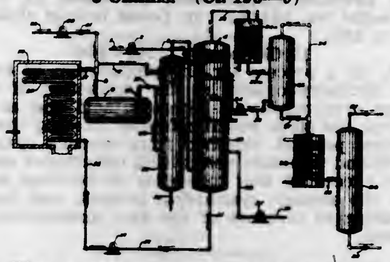
1. In a centralized traffic controlling system for railroads, a control office, a field station, a line circuit connecting said control office and said field station, a means for controlling a first device at said field station by selecting the direction of pulsating current in said line circuit, a means for controlling a second device at said field station by selecting the direction of pulsating current in said line circuit, and means for changing the control of said first device to the control of said second device by momentarily energizing said line circuit with alternating current.

2,042,451
DEHYDRATION OF FORMAMIDE TO PRODUCE HYDROCYANIC ACID
Harlan A. Bond and Norman D. Scott, Niagara Falls, N. Y., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
Application April 12, 1933, Serial No. 665,752
7 Claims. (Cl. 23—151)



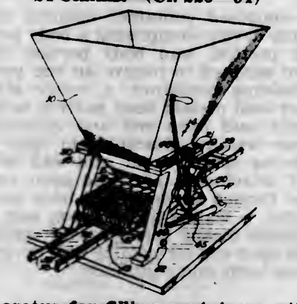
1. A process for effecting the catalytic formation of hydrocyanic acid comprising passing formamide over a heated metal surface having a thin adherent coating of a catalytic oxide formed by oxidizing an adherent film of a metal selected from the group consisting of zinc, aluminum, manganese, chromium, and tin.

2,042,452
TREATMENT OF HYDROCARBONS
James H. Boyd, Jr., Philadelphia, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 8, 1933, Serial No. 688,600
5 Claims. (Cl. 196—9)



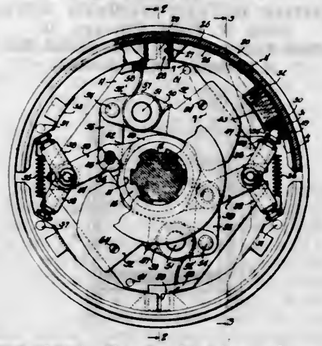
1. The process of converting liquefied highly olefinic gas into liquid hydrocarbons suitable for use as motor fuel, which comprises passing hydrocarbon oil through an elongated zone of restricted cross-sectional area under high superatmospheric pressure, heating the oil therein to a high cracking temperature, passing the products without substantial pressure reduction into a reaction zone, introducing a controlled amount of liquefied olefinic gas, comprising principally hydrocarbons having from 2 to 5 carbon atoms per molecule and substantially free from hydrogen and methane, into said reaction zone whereby said reaction zone is maintained at a lower cracking temperature sufficient to effect polymerization of olefinic constituents of said gas, removing the reaction products from said last-mentioned zone and separating hydrocarbons of motor-fuel boiling range from lighter and heavier constituents of said reaction products.

2,042,453
APPARATUS FOR FILLING CONTAINERS
Swan F. Anderson, Rockford, Ill.
Application January 9, 1933, Serial No. 650,847
24 Claims. (Cl. 226—94)



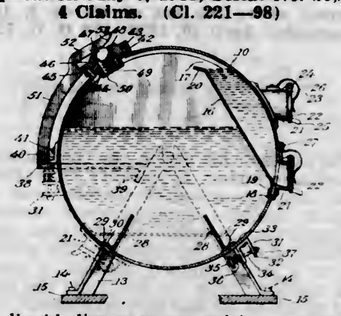
1. Apparatus for filling containers with semi-fluid material comprising, a hopper having opposite side walls converging near their lower ends to define an upwardly opening trough at its lower end having a plurality of bottom outlets therein, a partition removable upwardly through said hopper and extending transversely of said trough so as to divide the trough into a plurality of compartments each communicating with one of said outlets, a pair of intermeshing gears in each of said compartments with their sides substantially in fluid-tight contact with said partition and the ends of said trough, and a portion of their peripheries substantially in fluid-tight contact with the converging portions of said walls, a pair of shafts extending through said gears and said partition and withdrawable in an endwise direction through a wall of the hopper whereby to permit said gears and partition to be lifted upwardly out of said trough.

2,042,454
CLUTCH MECHANISM
Oscar H. Banker, Chicago, Ill., assignor to New Products Corporation, Chicago, Ill., a corporation of Delaware
Application March 19, 1932, Serial No. 599,896
Renewed April 5, 1934
9 Claims. (Cl. 192—105)



1. In a clutch, the combination of a rotatable drive member, a rotatable driven member, clutch shoes for connecting said members together in driving relation, a set of toggle links interposed between the ends of said shoes and adapted to move said shoes to clutch position, a second set of toggle links operatively connected to each of the first sets of toggle links to operate said first set of toggle links, and means for simultaneously applying an actuating force to the joints of each of the second sets of toggle links including speed responsive elements and a lost motion connection between said elements and said joints.

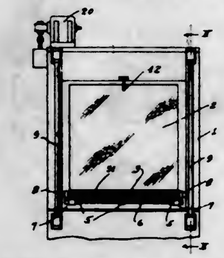
2,042,455
VOLUMETRIC LIQUID DISPENSER
William E. Barrott, Aurora, Ind.
Application May 7, 1935, Serial No. 20,251
4 Claims. (Cl. 221—98)



1. A liquid dispenser comprising a support, a cylindrical vessel revolubly mounted on the support, a partition extending from the cylindrical wall of the vessel substantially parallel with a diameter of the vessel and coacting with the subtended arcuate wall in forming a measuring compartment, an inlet in the partition disposed above

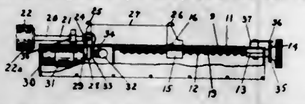
the liquid level in the vessel when the vessel is full and through which the measuring compartment is filled when the vessel is revolved to submerge the inlet below the liquid level in the vessel, spaced outlets in the wall of the compartment disposed at different levels in the compartment for selectively dispensing a predetermined measured quantity of liquid from the compartment, spaced stops on the wall of the vessel, a stationary abutment exposed exteriorly of the vessel in the path of the stops for limiting rotary movement of the vessel in either direction, and an air vent in the wall of the vessel.

2,042,456
MOTOR DRIVEN WINDOW WIPER
John W. Cain, Chicago, Ill.
Application February 16, 1934, Serial No. 711,469
4 Claims. (Cl. 15—253)



1. In operating mechanism for a window wiper, a wiper carriage including end brackets having apertures, a wiper pivotally mounted upon said carriage, means for reciprocating said carriage, means for deflecting said wiper from said window at a predetermined point, and spring pressed plungers associated with said wiper for automatically and releasably engaging said apertures when said wiper is deflected from said window.

2,042,457
STRETCH AND COMPRESSION TESTING DEVICE
Wallace T. Conn, Lawrence, Mass., assignor to Government of the United States, represented by Secretary of Commerce
Application December 1, 1932, Serial No. 645,282
4 Claims. (Cl. 265—17)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

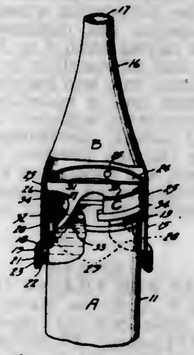


3. In a measuring device, the combination of a supporting member, a plurality of material-engaging elements mounted thereon, one of said engaging elements being pivotally mounted on the supporting member, an electrical signal to electrically indicate movement of the pivoted element to a predetermined position, a make and break contact device for operating the electrical signal actuated by said pivoted element, another of said engaging elements being slidably mounted relative to the pivotally mounted engaging element, means to move said slidable element, means to indicate movement of the sliding element, and a scale cooperating with said slidable element to measure the elasticity of said material under a predetermined force.

2,042,458
PRODUCTION OF ESTERS OF METHACRYLIC ACID
John William Croom Crawford, Ardrosan, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application September 14, 1934, Serial No. 744,091. In Great Britain October 31, 1933
10 Claims. (Cl. 260—106)

1. In a process for the preparation of esters of methacrylic acid by the interaction of acetone cyanhydrin, an inorganic acid and an alcohol, the steps which comprise treating the reaction product obtained from acetone cyanhydrin and sulphuric acid with a quantity of water, not exceeding four molecular proportions based on the acetone cyanhydrin present, and finally heating in presence of the said monohydric alcohol.

2,042,459
LIQUID DISPENSER
Charles H. Erne, Maywood, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application July 3, 1933, Serial No. 678,949
4 Claims. (Cl. 221—23)

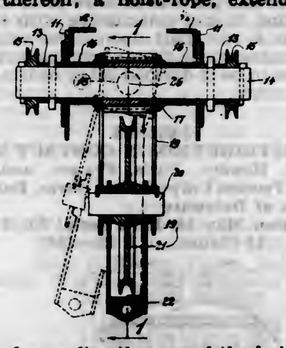


4. A combined container opening and liquid dispensing device, comprising a body portion and a spout portion, said body portion having an open end adapted to receive an end portion of a liquid holding container, a cutter attached to the inner wall of said body portion between said spout and said open end and extending along said inner wall to adjacent said open end, said cutter being spaced from said wall between its point of attachment and said open end, a stop shoulder formed between said body portion and said cutter, a sealing gasket upon said shoulder, and yielding means between said sealing gasket and said open end for holding said device in axial alignment with said container.

2,042,460
DRAGLINE EXCAVATOR
Mitchell L. Fykse, South Milwaukee, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application August 30, 1934, Serial No. 742,053
5 Claims. (Cl. 37—116)

1. In a dragline excavator, the combination of: a main frame; a boom extending therefrom; a transverse horizontal pin at the outer end of the boom; boom-suspension sheaves, mounted on said pin; a pair of trunnions perpendicular to said pin and pivotally mounted thereon; a yoke pivotally

mounted on the trunnions, and depending therefrom; a transverse pin in the yoke; a hoist-sheave pivoted thereon; a hoist-rope, extending from



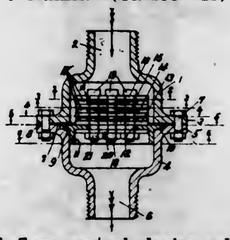
the main frame directly around the hoist-sheave, and thence to an operative association with the bucket; and a boom-suspension-cable, reeved about the boom-suspension sheaves.

2,042,461
FUSE FOR CANDLES AND THE LIKE
Harry C. Gibson, Wharton, N. J., David L. Woodberry, Aberdeen, Md., and John Stank, Wharton, N. J.
Application November 15, 1934, Serial No. 753,162
2 Claims. (Cl. 102—29.4)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



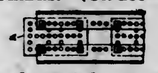
1. A fuse for grenades, candles, and the like comprising an infrangible tubular body, a primer and an explosive charge within said body, a fuse interposed between said primer and explosive charge, frangible means for sealing the lower end of said body below the explosive charge against moisture, a restriction within said body between said fuse and explosive charge whereby gases generated by the explosive charge are caused to rupture the frangible sealing means, and a relay charge of explosive in contact with and connecting adjacent surfaces of said fuse and explosive charge.

2,042,462
FLUID FLOW CONTROL DEVICE
Otto W. Hahn, San Francisco, Calif.
Application October 23, 1934, Serial No. 749,569
7 Claims. (Cl. 138—43)



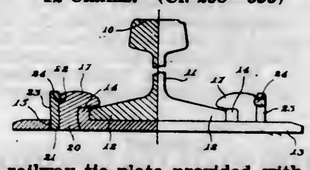
1. A fluid flow control device adapted to be positioned in a fluid conduit for preserving the flow constant comprising a pair of spaced members providing a fluid passage therebetween, means for mounting said members in a fluid conduit, said members arranged and adapted to be actuated by the dynamic pressure of the fluid for movement toward each other for modifying the flow of fluid therebetween, a flat bowed spring between said members adapted to yieldably urge said members apart and means connected to one of said members adapted to be influenced by the dynamic pressure of the fluid for tending to urge said member toward the other member, said last mentioned means being spaced from the walls of the conduit to permit passage of fluid thereabout.

2,042,463
STRUCTURAL STEEL MEMBER
Albert Henderson, Pittsburgh, Pa.
Application April 21, 1934, Serial No. 721,734
10 Claims. (Cl. 189—37)



6. A structural metal member comprising spaced flange angles each having a row of holes in one leg thereof, and spaced web plates each having a row of holes adjacent to each of two opposite side edges, the rows of holes in the angle legs matching the holes in the web plates, the center-to-center spacing of the holes in the plate rows and the spacing thereof from the edges of the plates being equal to approximately one-half the distance from the center line of the holes in the angles to the corners of said angles.

2,042,464
RAILWAY TIE PLATE
Robert Hill, Oakville, Ontario, Canada, assignor of one-half to William A. Duff, Montreal, Quebec, Canada
Application December 26, 1934, Serial No. 759,147
12 Claims. (Cl. 238—355)



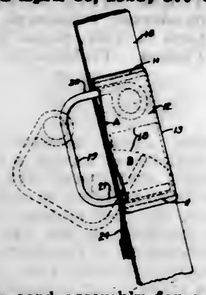
1. A railway tie-plate provided with a transversely extending keeper engaging shoulder adjacent each side of its rail bearing surface, a key engaging keeper adapted to interlock with the shoulder against relative vertical movement, a keeper-engaging key drivable in the tie plate to progressively lock with the keeper to yieldingly retain the keeper in resiliently spaced relation to the rail on the tie-plate.

2,042,465
PROCESS FOR DEINKING PAPER PRINTED WITH OXIDIZABLE INKS
Pierre R. Hines, Portland, Oreg.
No Drawing. Application September 30, 1935, Serial No. 42,881
8 Claims. (Cl. 92—20)

1. The process of deinking paper imprinted with an ink having an oxidizing oil constituent which consists in shredding the paper, dissolving out its size constituent by a suitable liquor, removing the liquor, then maintaining the shreds in loose condition and moist with a weak alkaline

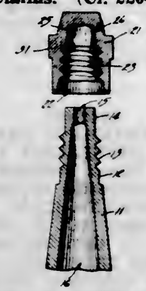
solution and exposed to the air until brown spots appear on the shreds, then again covering the shreds with a weak alkaline solution and so as to exclude further direct contact with the air, until particles of ink carried by a sample of the shreds may be readily detached by slight brushing, then defiberizing the shreds and removing the ink particles therefrom by any convenient further treatment.

2,042,466
PARACHUTE RIP CORD ASSEMBLY
Edward L. Hoffman, Dayton, Ohio
Application November 18, 1933, Serial No. 698,620
2 Claims. (Cl. 244—21)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



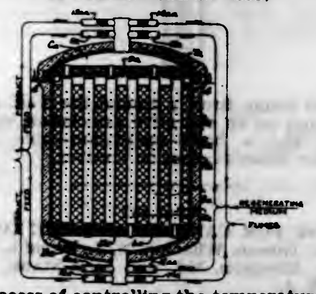
1. In a rip cord assembly for a parachute retainer, a holder comprising a U-shaped handle having a hand grasping portion and free sides extending from said hand grasping portion, a release cord, the free end of which is fixedly secured to one of said free sides, and a pocket for said holder, said pocket comprising superposed layers of material disposed in substantially contiguous relationship, said layers being secured together by stitching adjacent their end and intermediate portion to form separate receiving chambers, the normal width of said chamber openings being materially less than the width of either of said free sides whereupon the received portions of said free sides are restrained in said chambers by the gripping action of the materials of said superposed layers in being bulged outwardly.

2,042,467
SEALING MEANS FOR CONTAINERS
John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application July 30, 1932, Serial No. 626,481
8 Claims. (Cl. 220—39)



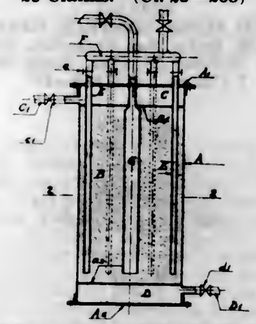
1. In a container, an outlet part and a cap part having threaded engagement therewith, one of said parts being of softer metal than the other and having a non-threaded wedging surface adapted to be drawn into close engagement with the other of said parts so as to re-form the softer part to bring it into coincidence with the contour of the harder part upon tightening of the threaded engagement, the re-forming surface and the surface to be re-formed being nearly parallel with each other.

2,042,468
FLUID DISTRIBUTION IN CONTACT MASSES
Eugene J. Houdry, Paris, France, assignor to Houdry Process Corporation, Dover, Del., a corporation of Delaware
Application May 14, 1932, Serial No. 611,362
14 Claims. (Cl. 23—288)



1. Process of controlling the temperature of reactions involving the use of a contact mass which comprises sending the reactant fluids into the mass, distributing such fluids within and throughout the depth and cross section of the mass at a uniform temperature at all points of distribution within the mass, and removing the products of the reaction from points within the interior of the mass having a definite and uniform spacial relation to the points of distribution thereby causing the reaction to take place simultaneously and uniformly throughout the mass under identically the same conditions in localized areas of substantially the same size.

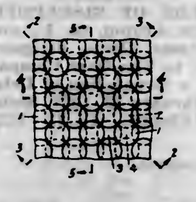
2,042,469
CATALYTIC APPARATUS AND PROCESS OF REGENERATING CONTACT MASSES THEREIN
Alfred Joseph, Paris, France, assignor, by mesne assignments, to Houdry Process Corporation, Dover, Del., a corporation of Delaware
Application March 31, 1930, Serial No. 440,199½. Renewed March 2, 1934. In France August 2, 1929
25 Claims. (Cl. 23—288)



1. The process of regenerating or reactivating a mass of catalytic or other solid contact ma-

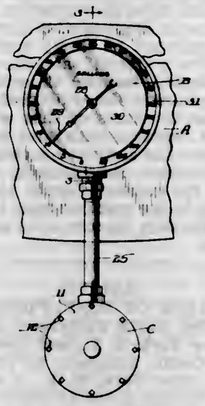
terial which comprises introducing an oxidizing-regenerating medium into the mass substantially simultaneously throughout the depth thereof by means of a plurality of inlets uniformly and symmetrically spaced in a series of parallel planes, passing the medium through the mass in parallel streams at a multiplicity of levels, and removing the products resulting from the passage of the regenerating medium through the mass by a plurality of outlets uniformly and symmetrically spaced in the same or adjacent parallel planes.

2,042,470
INDENTED SHOCK ABSORBING CUSHIONING OR PACKING PAPER
John E. Kieffer, Ewing, Ind.
Application February 26, 1934, Serial No. 713,067
1 Claim. (Cl. 154—55)



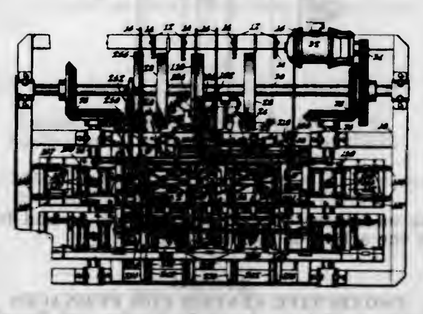
As an article of manufacture, a shock absorbing cushioning or packing paper provided on both sides with a multiplicity of contacting lines of globular protuberances, all of said protuberances being substantially identical in form and size, the protuberances on each side forming hollow indentations on the other side, there being substantially no flat surfaces on either side of the paper.

2,042,471
LIQUID LEVEL GAUGE
Carl Knobloch, Akron, Ohio
Application September 11, 1933, Serial No. 688,924
8 Claims. (Cl. 73—54)



1. In a gauge of the character described, the combination of a fixed hollow arbor closed at one end and at its other end adapted for connection to a liquid container, a rotor journaled on said arbor, a Bourdon tube at its inner end attached to and communicating with said arbor and at its outer end attached to said rotor, an indicator, and operating connection between said rotor and said indicator.

2,042,472
MACHINE FOR MAKING BOX-PARTS
Cutler D. Knowlton, Beverly, Mass., assignor to Hoague-Sprague Corporation, Lynn, Mass., a corporation of Massachusetts
Application May 15, 1934, Serial No. 725,770
93 Claims. (Cl. 93—49)



1. In a machine for setting-up box-parts, a frame, a box-form, folding members co-operating with the box-form, means for moving the box-form and its folding members relatively upon the frame to set up a box-blank, a cover-form, folding members co-operating with the cover-form, means for moving the cover-form and its folding members relatively upon the frame to set up a cover-blank, an actuating member movable upon the frame, and separate connections from the actuating member to the moving means for the box-setting-up elements and the cover-setting-up elements, respectively.

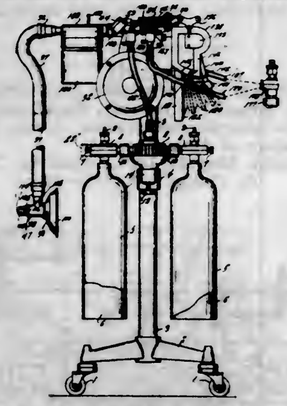
2,042,473
DYE PREPARATION
Wolf Kritchevsky, Chicago, Ill., assignor to Rit Products Corporation, Chicago, Ill., a corporation of Illinois
No Drawing. Application December 9, 1932, Serial No. 646,496
10 Claims. (Cl. 8—6)

1. A home dye composition in solid form comprising an intimate admixture of a normally water-soluble dye and an inorganic oxygenated acid ester of an aliphatic alcohol having a chain of not less than eight carbon atoms, said dye composition possessing the properties of imparting an "oily" feel to fabrics dyed therewith and producing even, level shades under any of the conditions normally encountered in home dyeing operations.

2,042,474
GAS ADMINISTERING
Elmer I. McKesson, Toledo, Ohio; Martha F. McKesson, executrix of said Elmer I. McKesson, deceased, assignor to Martha F. McKesson, Toledo, Ohio
Application March 10, 1930, Serial No. 434,587
1 Claim. (Cl. 128—203)

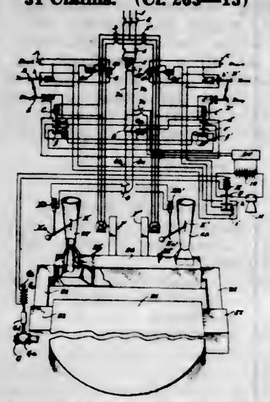
A gas administering machine comprising an intermittently distensible rebreathing chamber providing a responsible replenishment device for the chamber, and means for adjustably establishing resistance to filling said chamber by said device embodying a plate member, pivotal mount-

ing means for the member and adjustable load-



ing means for the member rockable to and fro by the action of said member.

2,042,475
PROTECTIVE SYSTEM FOR FURNACES
Laurence Meharg, Jacob H. Kaylor, and Donald I. Rodenbaugh, Wheeling, W. Va., assignors to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application July 26, 1934, Serial No. 737,132
31 Claims. (Cl. 263—15)



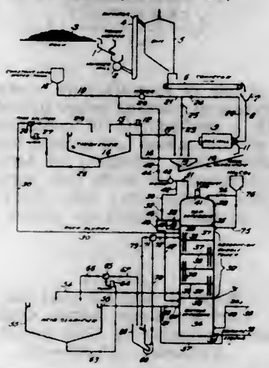
1. In combination, a regenerative furnace, a blower for causing forced draft through the checkers, a motor for operating the blower, means for delivering fuel to the furnace, a stack damper, means for closing the stack damper, and means automatically shutting off the fuel supply upon failure of the damper closing means.

2,042,476
PROCESS FOR PRINTING ON IRREGULAR SURFACES
Henry H. Meyer, Detroit, Mich., assignor to Louis J. Eppinger, Detroit, Mich.
Application April 22, 1935, Serial No. 17,664
3 Claims. (Cl. 101—35)



1. A process for printing any chosen design on any irregular shaped warped surface, consisting of first producing the design in ink on white paper and then reproducing same on a zinc etching of deep line structure, the zinc etching then being used as a matrix for forming a thin, flexible rubber type mat having the design thereon, said type mat being mounted on a resilient printing block of sponge rubber and coating the type mat design lines with reproducing ink, followed by contacting the edge of an irregular shaped object surface upon which the design is to be printed with one edge of the type mat design surface and depressing the same into the resilient printing block until the irregular shaped surface edge is contacted therewith the full length thereof, then rolling said irregular object surface over the type mat design while so depressed.

2,042,477
MANUFACTURE OF BISULPHITE LIQUOR
Alvah L. Miller, Croton, N. Y., and George M. Darby, Westport, Conn., assignors, by mesne assignments, to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application February 12, 1931, Serial No. 515,266
17 Claims. (Cl. 23—132)

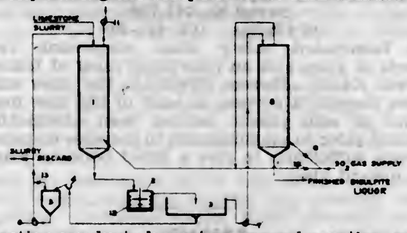


10. In a process of manufacturing raw bisulphite liquor, the steps of intimately contacting in a reaction zone an amount of SO_2 or SO_2-bearing gas with an amount of slurry containing finely divided reactive material, said slurry containing finely comminuted natural limestone rock and water and containing finely divided reactive solid phase material in excess of that which will dissolve through reaction with said supply of SO_2, recovering from the slurry thus obtained as a result of the reaction, substantially clear solution by removing the excess of solid phase material, and returning to the reaction zone for further reaction with the SO_2 therein solid phase material thus removed.

2,042,478
PRODUCTION OF BISULPHITE LIQUOR
Alvah L. Miller, North Tarrytown, and Ralph W. Shafor, New York, N. Y., and George M. Darby, Westport, Conn., assignors to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application December 21, 1934, Serial No. 758,580
6 Claims. (Cl. 23—130)

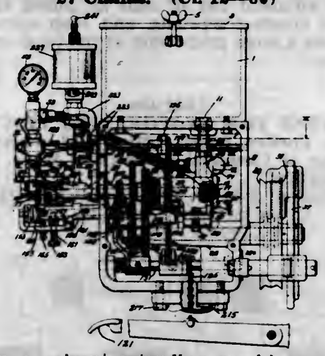
1. In a process of manufacturing bi-sulphite liquor employing the steps of intimately contacting in a reaction zone sulphur dioxide with a slurry comprising water and comminuted limestone rock in a manner such that a portion of said limestone

will remain undissolved, withdrawing from said zone a reaction product slurry, and subsequently treating said reaction product slurry to essentially separate undissolved reactive solids from a portion of the solution therein, the step of intimately mixing the components of said withdrawn



reaction product slurry in a second reaction zone and in the absence of a continued supply of sulphur dioxide, for a period of time prior to the said separation for purposes of dissolving additional of the reactive solids present therein.

2,042,479
MACHINE FOR APPLYING ACTIVATING LIQUIDS TO CEMENTED SHOE PARTS
Carl A. Newhall, Peabody, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application October 5, 1933, Serial No. 692,307
In Great Britain October 10, 1932
27 Claims. (Cl. 12—80)



1. In a solvent-extruding machine, a receptacle, a nozzle connected thereto, means for applying pressure to the solvent to force it through the nozzle, said nozzle comprising a casing closed at its outer end except that it is provided with spaced perforations, the inner end of said casing being connected to said pressure applying means, and capillary tubes within said nozzle having their outer ends extending through and sealed in said perforations, said capillary tubes extending back into the nozzle unsupported other than by the thickness of the nozzle wall for a distance sufficient to reduce to a minimum variations in applied pressure whereby a uniform quantity of solvent is deposited upon each part of the work.

2,042,480
OVERHAULING HOIST
Joseph C. Patterson, Jr., Washington, D. C.
Application October 16, 1934, Serial No. 748,501
22 Claims. (Cl. 254—172)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

14. The combination with power mechanism, of a drum adapted to have a cable wound thereon operatively connected to said mechanism, and a separate prime mover connected to said drum, independently of the connection of said mechanism to said drum, to drive the drum in a direction to wind the cable thereon when the load



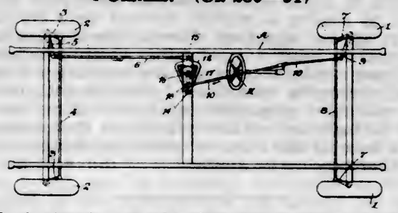
on the cable is of less than a predetermined magnitude and to be driven by the drum in opposition to the driving effort of the prime mover when the load on the cable exceeds the said magnitude.

2,042,481
DEVICE FOR PAYING OUT A HOISTING LINE
Joseph C. Patterson, Washington, D. C.
Application May 27, 1935, Serial No. 23,693
14 Claims. (Cl. 254—172)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



6. In combination, a rotatably mounted pulley, means to press a flexible line into firm frictional contact with said pulley, and a torque type motor connected to drive said pulley.

2,042,482
STEERING MECHANISM FOR FOUR-WHEELED VEHICLES
Richard B. Ransom, Nashville, Tenn.
Application September 7, 1934, Serial No. 743,162
4 Claims. (Cl. 280—91)



1. A steering mechanism for vehicles, including front and rear steering wheels, and means operatively connecting the steering wheels, said means constituting a variable mechanism causing the front and rear wheels simultaneous deflections at a progressively variable ratio between the angular dispositions of the front and rear wheels.

2,042,483
ATTACHMENT OF SOLES TO SHOES
John H. Richardson, Melrose, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application October 16, 1934, Serial No. 748,511
8 Claims. (Cl. 12—142)

1. That improvement in methods of manufacturing shoes which comprises positioning and pressing an outsole on the bottom of a welted

and inseam-trimmed shoe with cement between the surface of the shoe bottom produced by the inseam trimming operation and the corresponding portion of the surface of the outsole and also between the portion of the welt exterior to the surface produced by the inseam trimming and the corresponding portion of the outsole, applying pressure to the shoe and outsole and thereby securely bonding the outsole to the surface produced by the inseam trimming, and thereafter applying pressure progressively to the welt and the marginal portion of the outsole and thereby securely and permanently bonding those parts to each other.



8. A shoe having a welt secured to the marginal portion of its upper and to a lipped insole by an inseam, the inner edge of the welt and the surplus material of the upper and the lip of the insole having been removed by an inseam trimming operation, the shoe having an outsole attached permanently to the surface resulting from the inseam trimming operation by cellulose derivative cement and to the portion of the welt exterior to the surface produced by the inseam trimming by pressure-responsive cement.

2,042,484

PROCESS FOR THE PREPARATION OF LOW SUBSTITUTED CELLULOSE SULPHATES

Leon Rubenstein, Briar Wood, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application May 18, 1934, Serial No. 726,287. In Great Britain May 30, 1933

12 Claims. (Cl. 260—100)

1. Process for the preparation of cellulose sulphates insoluble in water but capable of being dissolved in dilute aqueous sodium hydroxide solution by cooling a mixture thereof until crystals of ice appear, and then allowing the temperature to rise to room temperature, which comprises treating a substance having the cellulosic nucleus and containing esterifiable hydroxyls with up to ½ molecular proportion of a sulphating agent per $C_6H_{10}O_5$ unit of the cellulose in the presence of a base of the class consisting of caustic soda and tertiary cyclic amines.

2,042,485

LAMINATED SAFETY GLASS ADHESIVE AND METHOD OF PREPARING SAME

Joseph D. Ryan and George B. Watkins, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

No Drawing. Application August 27, 1934, Serial No. 741,728

11 Claims. (Cl. 49—81)

1. Laminated safety glass comprising two sheets of glass and an interposed layer of transparent plastic material, which in itself lacks adherence toward glass, bonded to said glass sheets with an adhesive containing some of the base material of said plastic layer which has been chemically treated to increase its polar groups sufficiently to render it, when plasticized, adherent toward glass surfaces upon the application of heat and pressure.

2,042,486

PLASTIC FOR LAMINATED SAFETY GLASS

Joseph D. Ryan and George B. Watkins, Toledo, Ohio, assignors to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

No Drawing. Application August 27, 1934, Serial No. 741,729

13 Claims. (Cl. 49—81)

1. Laminated safety glass comprising two sheets of glass and an interposed layer of transparent plastic adherent directly to the inner surfaces thereof, a portion at least of the base material of said plastic having been chemically treated prior to plasticization to increase its polar groups sufficiently to give a direct bonding plastic toward glass.

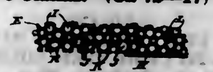
2,042,487

CONCRETE WALL STRUCTURE AND METHOD OF PRODUCTION

Francis P. Sloan, Scarsdale, N. Y.

Application January 20, 1934, Serial No. 707,478

5 Claims. (Cl. 72—17)



1. A concrete boundary structure wherein the concrete is formed with a great number of empty globular cells divided by concrete septums, and wherein the outer surface of the concrete, facing the room, is opened up thereby widely exposing the adjacent tier of cells as domed cavities between dividing septums, and such open cells occupying a large proportion of the total exposed wall area.

2,042,488

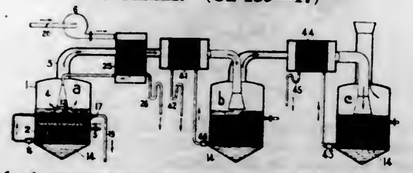
PROCESS FOR EVAPORATING LIQUIDS

Casimir Theiler, Basel, Switzerland, assignor to Society of Chemical Industry in Basle, Basel, Switzerland

Application July 29, 1933, Serial No. 682,891

In Switzerland August 12, 1932

7 Claims. (Cl. 159—47)



1. A process for evaporating liquids, especially temperature-sensitive liquids in a heated evaporator supplied with an auxiliary gas, consisting in bringing said gas within the evaporator into intensive contact with the liquid therein with consequent reduction of the partial pressure of the liquid and of its evaporation temperature, then evacuating said gas with produced vapor in mixture from the evaporator and transferring by way of heat exchange, for recovery, the heat of the heating system of the evaporator to the gas to be introduced into the evaporator.

2,042,489

CASTER RAISING AND LOWERING MECHANISM

Owen J. Williams, Orchard Park, N. Y.

Application April 13, 1934, Serial No. 720,400

20 Claims. (Cl. 280—44)

1. A caster raising and lowering mechanism for furniture and other articles, comprising a bracket adapted to be secured to said article and having a comparatively wide vertical guideway extending substantially the full height of the bracket and a narrow adjacent vertical clearance space and also having an extension forming a stop, a vertically movable carriage, slidable in said guideway and exclusively supported therein, a caster mounted on the carriage and adapted to engage



with the floor upon which said article normally rests, and means for raising and lowering said carriage, including toggle links pivotally connected with each other and pivoted, respectively, to said carriage and bracket, and adapted in one position to engage with said stop extension on one side of the carriage and adapted in another position to project into said space on the opposite side of said carriage.

2,042,490

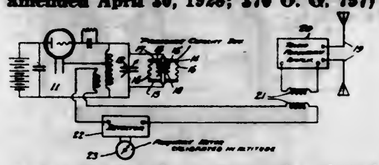
ALTIMETER FOR AIRCRAFT

Harold A. Zahl, Long Branch, N. J.

Application August 22, 1933, Serial No. 687,157

5 Claims. (Cl. 250—1)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. Apparatus for determining the altitude of an aerial body above any given reference level, comprising sources of high frequency wave energy at said body and at said level, respectively; means comprising a separate source of constant high frequency wave energy located at said level for comparing and synchronizing said sources in respect to their normal operating frequencies; means responsive to barometric pressure to control the frequency of each of said sources; means to combine the energy outputs of said sources to produce a beat frequency representing the pressure differential at the position of said body relative to said level; and means comprising a frequency meter energized by said beat frequency and calibrated for translating said frequency in terms of altitude of said body.

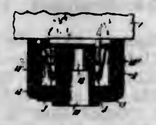
2,042,491

LOCKING ATTACHMENT PLUG

Ernest Zurcher, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application January 27, 1934, Serial No. 708,573

4 Claims. (Cl. 173—328)



4. A separable attachment plug comprising a first member provided with a blade terminal having an opening therein, a second member provided with a cooperating recess for receiving said terminal, the dimensions of said recess and said terminal being such as to permit relative rotary movement of said members about the axis of the plug, a V-shaped spring contact disposed in said recess having its ridge at the top of said recess and having its sides extending toward the bottom of said recess, one of said sides providing a contact arm, and a projection on said contact arm having an abrupt shoulder at the lower end adapted to enter the opening in said terminal when said terminal is inserted in said recess to lock said members against separation by relative longitudinal movement, said contact and said terminal being provided with cooperating surfaces whereby relative rotation of said members forces said projection out of the opening to unlock said members.

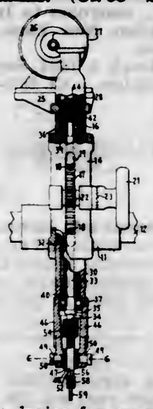
2,042,492

TRACING DEVICE

James L. Anderson, Chester, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application July 31, 1934, Serial No. 737,705

9 Claims. (Cl. 33—25)



8. In a tracing device for operating with patterns of different character, a vertical drive shaft and a worm on the lower portion of the shaft for driving gearing of a tracer wheel when the device is equipped to operate with paper patterns, a spindle with an enlarged upper portion having an internally threaded recess adapted to fit the worm as a nut to securely fasten the spindle to the worm, and a reduced, internally-threaded portion at the lower end of the spindle for connecting the spindle to a template-follower roller of any desired diameter.

2,042,493

FLOODED EVAPORATOR

Leonard W. Atchison, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York

Application August 28, 1935, Serial No. 38,187

11 Claims. (Cl. 62—126)

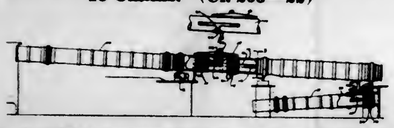
2. A flooded evaporator for refrigerating machines of the type employing a liquefiable refrigerant and a liquid lubricant and having a header, means including a suction conduit communicating with said header for removing therefrom gaseous refrigerant and small amounts of liquid, and means providing an elongated chamber arranged horizontally within said header partially

below the level of liquid refrigerant therein and communicating with said suction conduit for facilitating the removal of said small amounts of liquid from said header, said last mentioned



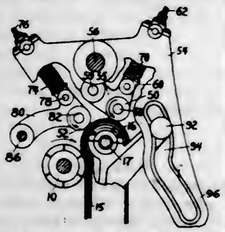
means having an end closing said chamber and provided with a restricted slot affording communication with said header above and below the level of liquid refrigerant therein.

2,042,494
BAFFLED ROTARY KILN
Thorkild Aynsoe, Bellerose, and Ejnar Posselt, Pelham, N. Y., assignors to International Cement Corporation, New York, N. Y., a corporation of Maine
Application March 9, 1934, Serial No. 714,742
13 Claims. (Cl. 263—22)



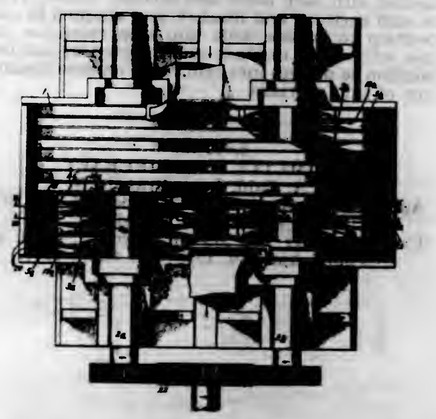
1. A rotary cement kiln having an inlet at one end for cement materials and an inlet at the other end for fuel, comprising a shell having a plurality of transverse longitudinally extending baffles spaced from each other in the calcining zone of the kiln.

2,042,495
MACHINE FOR OPERATING UPON HIDES, SKINS, AND PIECES OF LEATHER
Harrie A. Ballard, Beverly, Mass., assignor to The Turner Tanning Machinery Company, Portland, Maine, a corporation of Maine
Application March 28, 1933, Serial No. 663,163
15 Claims. (Cl. 149—16)



1. In a machine for treating sheet material, a tool for operating on a piece of work, a member arranged to support the piece of work against the thrust of the tool, said tool having its operating surface arranged substantially parallel to the work supporting surface of the work supporting member, two work feeding members spaced from each other upon opposite sides of a plane passing vertically through the work supporting member and each arranged to co-operate with the work supporting member in feeding the work, and connections between said work feeding members and the work supporting member positively operated by said work supporting member to cause the work feeding members to maintain predetermined normal spaced relations with respect to the work supporting member as the latter moves toward or away from the tool in accommodating variations in the thickness of the work.

2,042,496
MULTISTAGE ROTARY COMPRESSOR
Karl Baumann, Wilmslow, England, assignor to General Electric Company, a corporation of New York
Application February 12, 1935, Serial No. 6,183
In Great Britain February 19, 1934
1 Claim. (Cl. 230—130)

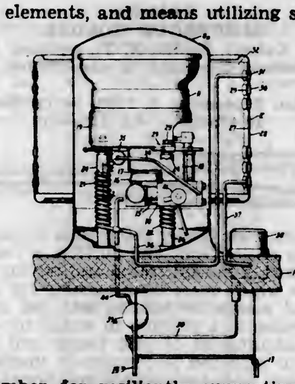


A multi-stage rotary compressor including the combination of a fabricated casing having an outer wall, two rotors with parallel shafts and a plurality of impellers disposed in the casing, a plurality of substantially parallel plates extending laterally within the casing and welded to the outer wall to define a plurality of chambers, each chamber containing one impeller and a curved partition disposed centrally between the shafts to define together with said outer wall a channel for conducting fluid discharged from a first impeller disposed in one chamber to a second impeller disposed in another chamber, said channel having an involute portion adjacent the first and the second impeller and a substantially straight cross-over portion connecting the involute portions, and aligned inlet and outlet conduits secured to opposite ends of an upper portion of the outer casing intermediate the horizontal projection of the parallel shafts.

2,042,497
REFRIGERATING MACHINE
Harley H. Bixler, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application May 24, 1935, Serial No. 23,178
10 Claims. (Cl. 62—115)

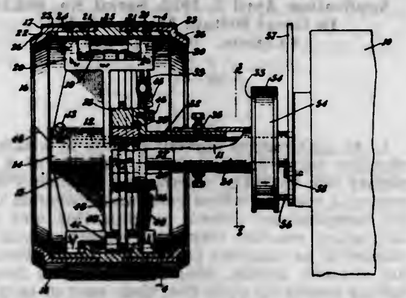
1. A refrigerating machine including a plurality of elements for successively compressing condensing and evaporating a vaporizable refrigerant, means including a resilient member having a passage formed therein for conveying refrigerant from one of said elements to another

of said elements, and means utilizing said resili-



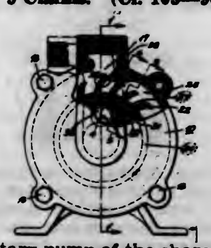
ent member for resiliently supporting at least one of said elements.

2,042,498
COLLAPSIBLE TIRE-BAND FORM
Henry C. Bostwick, Akron, Ohio, assignor to The Akron Standard Mold Co., Akron, Ohio, a corporation of Ohio
Application March 18, 1930, Serial No. 436,716
56 Claims. (Cl. 154—9)



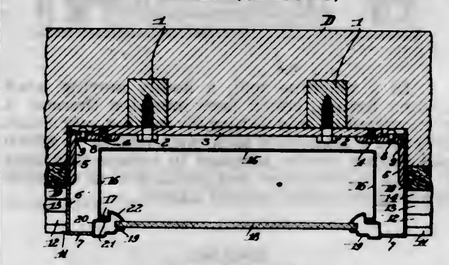
11. A collapsing band-building form comprising a rotary support, a pair of form segments pivoted thereto, a coaxial relatively-rotatable operating device, and relatively long and short links connecting said device with the respective members of said pair of segments.

2,042,499
ROTARY PUMP
Francis E. Brady, Richmond, Ind., assignor to Roots-Connersville Blower Corporation, a corporation of Indiana
Application September 15, 1933, Serial No. 689,607
9 Claims. (Cl. 103—96)



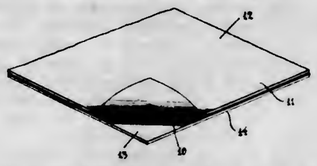
1. In a rotary pump of the character described, a casing, a shaft rotatably mounted in said casing, said casing having a fluid passage extending concentrically with said shaft from an inlet to an outlet opening, a rotor on said shaft having an annular body, said casing having an annular rib closely adjacent the side of the rotor and cooperating closely with said body to prevent substantial flow of fluid inwardly from said passage but interrupted to provide an inlet opening into one end of said passage from a central portion of the casing and at a position adjacent the inner ends of the blades, blades on said body adapted to operate in said passage, said blades being inclined forwardly in the direction of rotation at an angle of the order of 25 degrees and each having a rear side extending forwardly and laterally outwardly from the blade center at an angle of the order of 25 degrees to a radial plane through the shaft axis.

2,042,500
MAIL CHUTE
George A. Bridgman, Rochester, N. Y., assignor to Cutler Mail Chute Co., Rochester, N. Y., a corporation of New York
Application May 16, 1934, Serial No. 725,938
9 Claims. (Cl. 193—8)



1. In a mail chute, the combination with a base wall and a wall support fastened thereto, of two separate cheek pieces fixedly secured to the wall support in parallel relationship, a surface finishing on the wall abutting the cheek pieces so that they are imbedded therein, and a separate letter conducting channel member between the cheek pieces enclosed thereby.

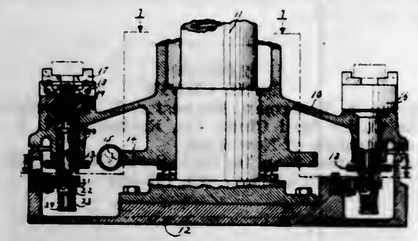
2,042,501
PAPERBOARD
Fred L. Buchanan and Reynolds Guyer, St. Paul, Minn., assignors to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application October 22, 1934, Serial No. 749,389
2 Claims. (Cl. 92—40)



1. A paper stock for use in forming cartons, said stock comprising a body portion, a black coloring in said body portion, a pigment in said body portion including calcium oxide, a liner free from calcium oxide and covering said body portion upon the side thereof adjacent the substance within the carton, a wax like impregnation in said liner, said impregnation rendering said liner

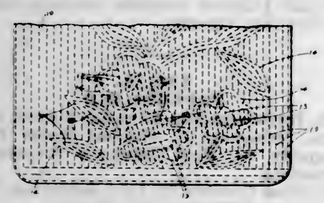
relatively non-absorptive and preventing absorption of the fluids, vapors and odors from the substance within the carton and a facing on the other side of the body portion said facing being constructed with a surface capable of reflecting the light rays of the visible spectrum and absorptive to a degree suitable for printing.

2,042,502
MECHANICAL CHUCK OPERATOR
Edward P. Bullard, Fairfield, Conn., assignor to The Bullard Company, a corporation of Connecticut
Application January 16, 1936, Serial No. 59,447
13 Claims. (Cl. 29—38)



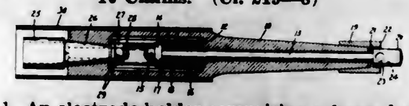
1. In a machine tool, a bodily moving work holding fixture, chuck jaws mounted thereon, a gear carried by said fixture for moving said chuck jaws and a stationary rack, with respect to which said fixture moves, adapted to engage said gear to effect movement of said chuck jaws in response to bodily movement of said fixture.

2,042,503
TUFTED RUG
August J. Carter, Chattanooga, Tenn., assignor to Carter Brothers, Inc., Chattanooga, Tenn., a corporation of Tennessee
Application August 26, 1933, Serial No. 686,884
5 Claims. (Cl. 2—278)



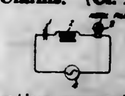
1. A tufted article having tufts of varying colors sewn through a backing material to form a design, comprising a group of tufts forming a portion of the design, a row of tufts of the same color as the said group of tufts and having the strand portion of each consecutive tuft of said row aligned to form an outline for said portion of the design, a second row of tufts of a color different from that of the first mentioned row of tufts and having the strand portion of each consecutive tuft aligned to form a line substantially paralleling the first mentioned row of tufts and additional tufts of the same color as the tufts of said second row forming an adjacent portion of said design, said additional tufts being in rows extending in directions to intersect said second row of tufts.

2,042,504
ELECTRODE HOLDER
James T. Catlett, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application September 6, 1935, Serial No. 39,417
10 Claims. (Cl. 219—8)



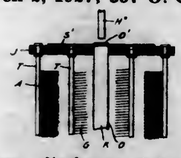
1. An electrode holder comprising a frame having a cam on its front end portion, a rod rotatably supported in said frame and having an end portion in which there is an opening for an electrode, and means for biasing said rod relatively to said frame to a position in which for one rotational adjustment of said frame and rod the opening in said rod is completely unobstructed by said cam and for another rotational adjustment of said frame and rod an electrode inserted in said opening is held against said cam by said biasing means.

2,042,505
ALTERNATING CURRENT APPARATUS
Reginald C. Clinker, deceased, late of Rugby, England, by Hilda Gray Clinker, executrix, Bristol, England, assignor to General Electric Company, a corporation of New York
Application April 5, 1932, Serial No. 603,376
In Great Britain March 20, 1931
4 Claims. (Cl. 177—346)



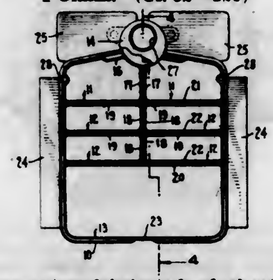
1. An alternating current circuit in which the effective value of the current pulsates at a frequency less than the alternating frequency comprising a resistor whose resistance depends upon the temperature thereof, a capacitor and self-saturating reactor connected together and arranged to be supplied from a source of alternating current supply, said capacitor and reactor having constants such that that part of said circuit which includes the same becomes alternately resonant and non-resonant at a frequency controlled by the heat inertia of said resistor.

2,042,506
ELECTRON DISCHARGE TUBE
Henny Cohn, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application February 23, 1934, Serial No. 712,553
In Germany February 22, 1933
10 Claims. (Cl. 250—27.5)
(Granted under the provisions of sec. 14, act of March 2, 1927; 357 O. G. 5)



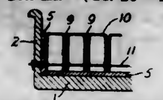
1. An electron discharge tube comprising a unitary cathode structure provided with arcuate and planar electron emitting surfaces and an electron collecting electrode cooperating with each of said emitting surfaces to form therewith a plurality of independent discharge paths.

2,042,507
EVAPORATOR FOR REFRIGERATING APPARATUS
William D. Collins, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application May 17, 1932, Serial No. 611,829
1 Claim. (Cl. 62—126)



An evaporator fabricated of sheet metal to form a horizontally cylindrical header, two outer horizontally spaced vertical rows of fluid passages communicating at their upper ends with said header, an inner vertical row of passages extending from said header downwardly between said outer vertical rows but terminating short of the lower ends thereof, and a plurality of vertically spaced horizontal rows of liquid passages connecting said vertical rows of passages to form a single lower compartment, and a plurality of horizontally spaced upper compartments completely surrounded by fluid passages.

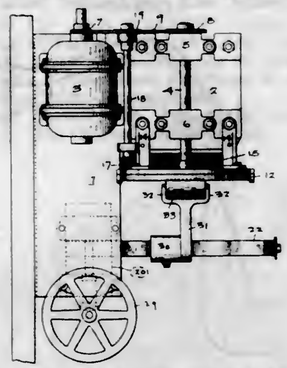
2,042,508
DISPLAY APPARATUS
Joseph C. Coan, Beenton, N. J.
Application March 19, 1935, Serial No. 11,789
1 Claim. (Cl. 40—140)



Display apparatus comprising a channel shaped frame having light absorbent surface portions, a plurality of U shaped marker retainers of wire screen arranged in said frame against said light absorbent surface portions and in laterally compressed relation between the frame flanges, means for holding said retainers in operative position in said frame including a rod extending transversely from flange to flange thereof and passing through mesh openings of the screen, and markers provided with anchoring lugs extending rearwardly therefrom and adapted to be releasably gripped by and between contiguous retainers.

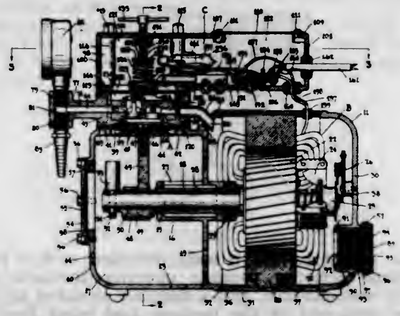
2,042,509
MACHINE FOR REMOVING TIRE TREADS
George F. Connelly, San Francisco, Calif.
Application February 18, 1935, Serial No. 6,973
9 Claims. (Cl. 164—60)

1. An apparatus to cut the curved tread from a full circle tire consisting of a frame, a motor on said frame; a shaft on said frame; means drivingly connecting said motor and shaft; a circular cutting knife mounted on an end of said shaft; a roller journaled in said frame parallel to the plane of said cutting knife on one side thereof and substantially tangential to a portion of the cutting edge of said knife; means drivingly connecting said roller to said motor; means to be inserted within a tire and to support said tire in hanging position thereon, said last mentioned means being disposed in complementary relation to the driving roller; a carriage having said



last mentioned means mounted thereon; and a bar having said carriage mounted thereon, said bar being movable toward and from the driven roller whereby the tire carrying means may be advanced toward the driven roller to squeeze the tire into a flattened position therebetween.

2,042,510
MOTOR PUMP UNIT
Richard T. Cornelius and Nelson F. Cornelius, Jr., Minneapolis, Minn.
Application December 1, 1933, Serial No. 700,538
11 Claims. (Cl. 230—18)

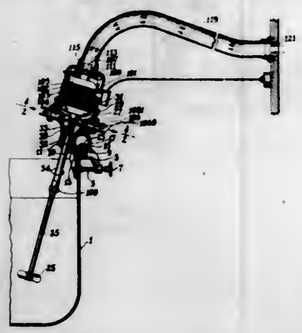


1. In a motor pump unit, a motor, a pump including a diaphragm, means for operating said diaphragm from said motor, a switch mechanism for controlling said motor, a diaphragm responsive to the pressure created by said pump for operating said switch mechanism, said diaphragms being concentrically disposed, and means for jointly clamping both of said diaphragms in position.

2,042,511
SAFETY MIXER
Frederick L. Craddock, Rochester, N. Y., assignor to Mixing Equipment Company, Inc., Rochester, N. Y., a corporation of New York
Application October 17, 1931, Serial No. 569,367
2 Claims. (Cl. 259—103)

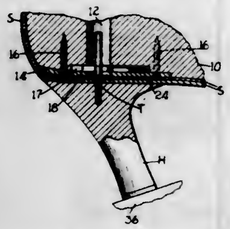
1. An improved safety mixer provided with a shaft, an air jacketed motor in driving relation

to the shaft, having a fan at one end, an air discharge port at the other end, a cored end bracket designed to deflect the air from the jacket toward the shaft and then away from the shaft whereby the whole adjacent motor end may be cooled, said end bracket being provided



with narrow radial members designed for minimum interference with air flow and connecting the members at the upper and lower portions of the passage.

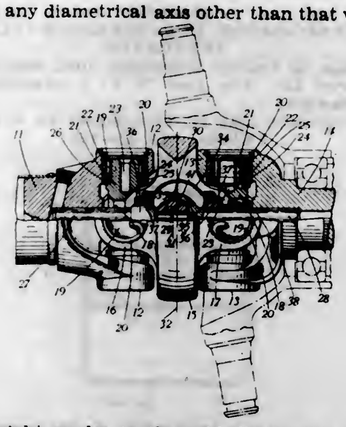
2,042,512
LAST
Michele Cuozzo, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application July 16, 1935, Serial No. 31,647
4 Claims. (Cl. 12—141)



1. A last having a body provided with a fastening-receiving passage opening through the heel-seat-portion, and a member situated at the heel-seat-end of the passage and being free to move upon the last under the influence of gravity into and out of position to be engaged by a fastening introduced through the passage.

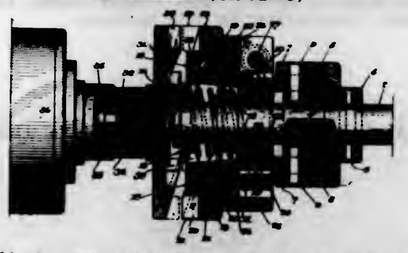
2,042,513
DOUBLE UNIVERSAL JOINT
John Arthur Daniell, Birmingham, England
Application April 25, 1935, Serial No. 18,248
In France May 4, 1934
8 Claims. (Cl. 64—21)

1. A ball-and-socket joint where the ball element has a part-spherical engagement with the socket element, the socket element having an open end of a diameter less than the maximum diameter of the socket element, the ball element having a peripheral recess one circumferential edge of which is adjacent a diametrical plane of the ball element, such that the latter can be entered into the socket element and when turned about any diametrical axis other than that which



is at right-angles to the said diametrical plane will be held in said socket element.

2,042,514
POWER TRANSMISSION MECHANISM
Charles E. Diebold, Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a corporation of Ohio
Application February 21, 1933, Serial No. 657,813
11 Claims. (Cl. 74—9)

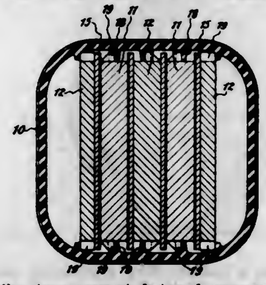


11. A power transmission mechanism comprising a rotatable shaft, a sleeve rotatable and slidable on said shaft and having a cam surface terminating in a stop face, a co-operating cam engaging means fixed to the shaft for rotation therewith and having no movement independently thereof for shifting and rotating the sleeve relative to the shaft, a driving member on said sleeve for engaging a driven member of a motor, means for adjustably and frictionally clamping said driving member on said sleeve for movement therewith and whereby various tensions may be exerted on said driving member whereby said driving member is rotatable with the sleeve and also independently thereof, and resilient means for forcing the sleeve into engagement with the fixed cam engaging means and also effective to release the driving and driven members.

2,042,515
STORAGE BATTERY
Carl J. Dunzweiler, Cleveland, and Anthony C. Zachlin, South Euclid, Ohio, assignors to Willard Storage Battery Company, Cleveland, Ohio, a corporation of West Virginia
Application August 10, 1933, Serial No. 684,512
8 Claims. (Cl. 136—81)

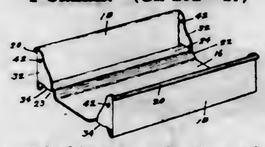
1. In a storage battery, a container, and a battery element therein composed of positive and

negative plates, opposite walls of the container having upright plate-supporting ribs and the edges of the plates having projecting lugs the sides of which are adapted to engage the sides



of the ribs to prevent lateral movement of the plates the lugs being of less thickness than the plates and having rib-engaging faces located inwardly of the planes of the sides of the plates.

2,042,516
STENCIL TRAY AND TRAY HOLDER
Harmon P. Elliott, Watertown, Mass.
Application August 31, 1934, Serial No. 742,254
4 Claims. (Cl. 101—47)



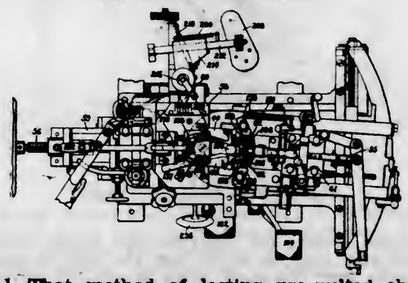
1. A stencil holding tray having a bottom wall and upstanding side walls, said bottom wall having on the bottom face thereof adjacent and parallel with the side walls tray-supporting runners and having inside the tray adjacent and parallel with the side walls upstanding ledges forming stencil supporting shelves, an end of the tray being open above and to the clear tongue space between said ledges under the stencils, and said tray at the ends above said tongue space having end walls which overlie the stencil space and retain the stencils against endwise displacement out of the tray.

2,042,517
REFRIGERATING APPARATUS
Don G. Ellis, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan
Application January 15, 1934, Serial No. 706,699
7 Claims. (Cl. 211—93)



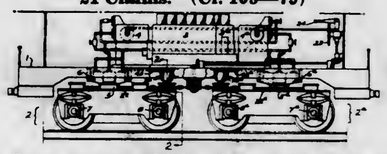
1. In combination, a plurality of brackets adapted to be mounted on a vertical wall, said brackets each forming a horizontally disposed socket, a wire shelf having a wire frame, said frame having horizontal hinge members extending into the sockets for pivotally supporting the shelf and having a reversely bent portion extending downwardly from the hinged members for preventing the swinging of the shelf below its horizontal article supporting position.

2,042,518
METHOD OF AND MACHINE FOR USE IN MANUFACTURING BOOTS AND SHOES
Karl Engel, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application January 30, 1934, Serial No. 709,018
170 Claims. (Cl. 12—7)



1. That method of lasting pre-welted shoes which comprises supporting a pre-welted upper, drawing the supported upper lengthwise thereof, and pressing a last into the upper while the upper is held in drawn condition.

2,042,519
LOAD SHIFTING MECHANISM FOR POWER VEHICLES
Walter Ferris, Milwaukee, Wis., assignor to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Original application January 30, 1933, Serial No. 654,157, now Patent No. 2,037,373, dated April 14, 1936. Divided and this application November 9, 1934, Serial No. 752,207
21 Claims. (Cl. 105—75)

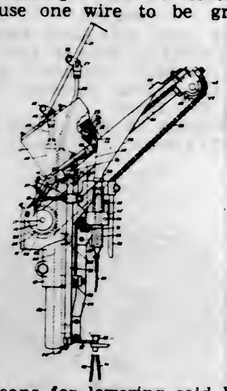


1. In a power vehicle, the combination of a body, a truck arranged beneath said body to support the same and having a plurality of axles with wheels thereon, the weight carried by said truck being distributed in a definite ratio between said axles, power means for driving one or more of said axles, a draw bar so positioned that tractive force exerted therethrough shifts a part of the load from one axle to another, and means automatically operated by said power means to counteract the load shifting effect of a force exerted through said draw bar.

2,042,520
APPARATUS FOR FEEDING WIRES FOR ELECTRIC LAMPS AND SIMILAR DEVICES
John Flaws, Jr., Cleveland Heights, and August W. Seitz, Euclid, Ohio, assignors to General Electric Company, a corporation of New York
Application December 29, 1934, Serial No. 759,708
6 Claims. (Cl. 140—132)

1. In an apparatus for feeding wires, the combination of a hopper adapted to hold a quantity

of wires, a pair of jaws adapted to grip only a single wire mounted above a portion of the hopper, means for raising said hopper to thrust said pair of jaws into the wires carried by said hopper, means for causing a relative movement of said jaws to cause one wire to be gripped there-



between, means for lowering said hopper away from said jaws so as to free the wire gripped thereby from the other wires, means for moving said jaws to and from a delivery position and means for moving said jaws relative to each other at the delivery position to release the wire carried thereby.

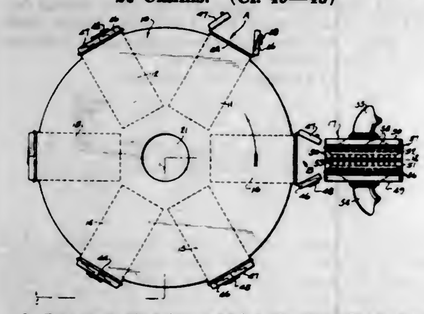
2,042,521

METHOD AND APPARATUS FOR CASE HARDENING GLASS SHEETS

George R. Ford, Jr., Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application April 6, 1935, Serial No. 14,974

20 Claims. (Cl. 49—45)



1. In apparatus for case hardening glass sheets, a furnace including a plurality of heating compartments for receiving the sheets to be treated, means for heating said compartments, cooling means associated with said furnace and adapted to receive the heated glass sheets therefrom, and means for causing intermittent relative movement in one direction between the furnace and cooling means to effect successive and repeated alignment of each of the heating compartments with said cooling means.

2,042,522

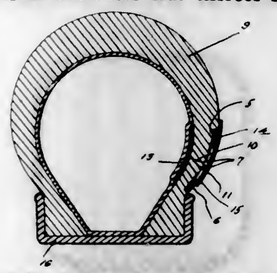
PNEUMATIC TIRE

David Freeman, Honolulu, Territory of Hawaii

Application July 22, 1935, Serial No. 32,601

1 Claim. (Cl. 152—13)

In a pneumatic wheel, a tire casing provided with a circumferentially extending slit in the wall thereof, a felt strip secured to the inside of the casing so as to have one edge portion projecting across the slit, a multiple fastener on the tire casing at the outer side thereof for closing



the slit, and a rubber flap extending across the said slit and multiple fastener and secured at one longitudinal edge to the casing at one side of the slit.

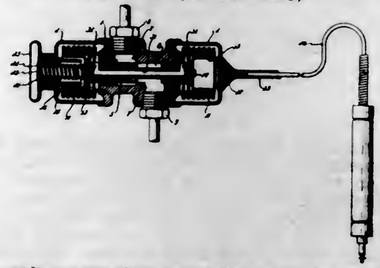
2,042,523

REFRIGERATING APPARATUS

Frank O. Graham, Detroit, Mich., assignor to Kelvinator Corporation, Detroit, Mich., a corporation of Michigan

Application May 31, 1934, Serial No. 728,361

1 Claim. (Cl. 137—153)



A valve comprising a casing, an aperture extending therethrough, ports extending through said casing into said aperture, a fluid controlling member slidably disposed in said aperture, a flexible metallic bellows having one end hermetically sealed to the end of the casing in concentric relation adjacent each end of said aperture, an out turned cup shaped bellows head having its outer edges hermetically secured to the outer edges of each bellows, means securing the bottom of each bellows head to the adjacent end of the slidable member, and an equalizer passage extending through said slidable member.

2,042,524

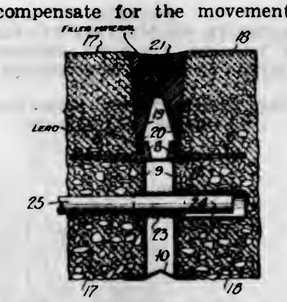
EXPANSION JOINT

Eric E. Hall, Chicago, and William H. Eichelman, Des Plaines, Ill.; said Hall assignor to said Eichelman

Application May 8, 1933, Serial No. 669,814

11 Claims. (Cl. 94—18)

1. A selectively removable and replaceable seal for a joint connecting spaced concrete slabs and the like comprising the combination of a pair of anchors supported by the slabs in spaced relation to each other within the space between the slabs, and a flexible seal spanning the space intervening between the anchors and being removably connected thereto, the connection establishing a cooperative relationship between the anchors and the seal thereby to accomplish the flexing of the seal to compensate for the movement of the



spaced slabs upon the contraction and expansion thereof.

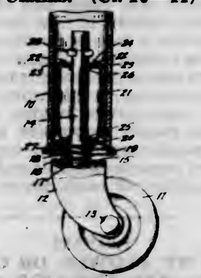
2,042,525

COMPENSATING CASTER

Walter F. Herold, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut

Application February 1, 1935, Serial No. 4,530

4 Claims. (Cl. 16—44)



1. In a caster, a floor engaging element, a vertically extending pintle carried thereby, leg engaging securing means adapted for insertion in a tubular furniture leg comprising a centrally apertured base washer slidably engaged upon said pintle and adapted to engage beneath the leg and having means adapted to engage the leg to be centralized and held thereby against lateral displacement, a centrally apertured upper washer adapted to engage within the leg to be centralized and held thereby against lateral displacement and slidably engaged on said pintle, said upper washer adapted to engage at its edges with the interior of the leg to constitute a side thrust taking span and a spring member for yieldingly engaging the interior of the leg disposed between said base washer and upper washer and secured to said upper washer.

2,042,526

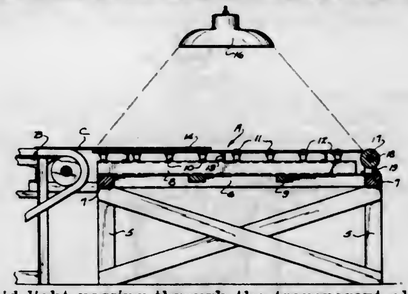
SHEET GLASS INSPECTION APPARATUS

Frederick R. Hohmann, Charleston, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio

Application September 1, 1932, Serial No. 631,363

5 Claims. (Cl. 88—14)

1. In an inspection apparatus for transparent sheet or plate glass, a table including a plurality of rollers for supporting the sheet horizontally thereupon, a horizontal plate carried by the table and disposed beneath the glass sheet supported thereon, said plate having a plurality of openings therein through which the upper portions of said rollers project, the upper surface of said plate constituting a relatively light background, and an inspection lamp arranged above the table and positioned to throw light downwardly over substantially the entire area thereof,



said light passing through the transparent glass sheet and illuminating the relatively light background.

2,042,527

PROCESS FOR NITRIDING

Donald Aubrey Holt, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del., a corporation of Delaware

No Drawing. Application November 30, 1932, Serial No. 645,043

8 Claims. (Cl. 148—15)

1. A process comprising heating a steel having a surface adapted for nitriding, in a fused salt bath comprising as the active nitriding agent an alkali metal cyanamide at a temperature below 600° C. while partially excluding air from the surface of said bath.

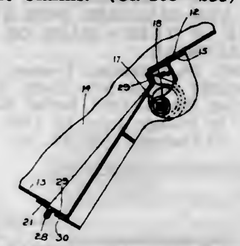
2,042,528

CAR CONSTRUCTION

William J. Hosceit, Chicago, Ill., assignor to Rodger Ballast Car Company, Chicago, Ill., a corporation of Maine

Application September 30, 1933, Serial No. 691,606

15 Claims. (Cl. 105—255)



5. A closure of the character described comprising a door frame, and a door, a bodily movable hinge for said door for imparting bodily movement to said door, said door and frame having an inclined side edge, locking lugs on said door and frame whereby upon bodily movement of said door, said inclined edges approach and tightly engage each other and said lugs are engaged to hold said door in closed position.

2,042,529

PROCESS OF AND MEANS FOR SPINNING RAYON THREAD

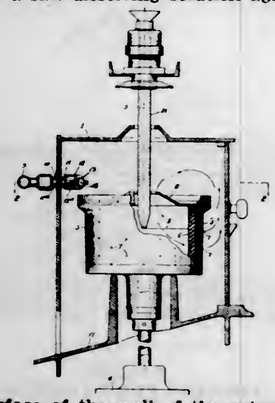
Charles A. Huttinger, Lakewood, Ohio, assignor to Acme Rayon Corporation, Cleveland, Ohio, a corporation of Ohio

Application December 13, 1932, Serial No. 646,993

16 Claims. (Cl. 18—8)

1. Improvements in processes of spinning rayon thread consisting in centrifugally collecting the

thread in a rotating spinning pot and projecting a spray of a salt-dissolving solution against the



outside surface of the wall of the spinning pot.

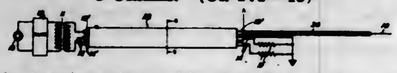
2,042,530

SUBMARINE SIGNALING CABLE

Oliver B. Jacobs, Morristown, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 25, 1931, Serial No. 565,045

5 Claims. (Cl. 178—45)



1. A submarine cable signaling system comprising a plurality of individually insulated sea-earth cables, characterized in this that a direct connection of negligible impedance is connected between the shore terminals of at least two of the sea-earth cables.

2,042,531

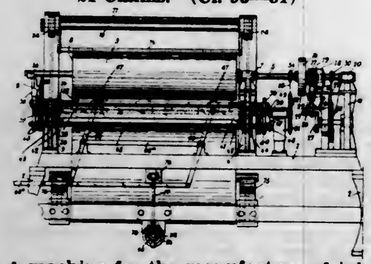
PROCESS AND MACHINE FOR THE MANUFACTURE OF TUBES MADE OF PAPER OR LIKE MATERIAL

René Jarrier, St.-Quentin, France, assignor to Bartlett Arkell, New York, N. Y.

Application May 1, 1928, Serial No. 274,331

In France June 10, 1927

21 Claims. (Cl. 93—81)



1. A machine for the manufacture of tubes of paper and like flexible material comprising a rotatable drum, a portion of the wall of said drum being pivoted to the other portion of said wall, substantially about a generatrix of said drum, an internal shaft adapted to rotate as a whole with said drum, eccentric parts on said shaft for supporting the free edge of said pivoted wall portion, manually operable means for rotating said shaft with respect to said drum, power means for actuating said drum and means for spreading an adhesive substance upon the layers of material being wound.

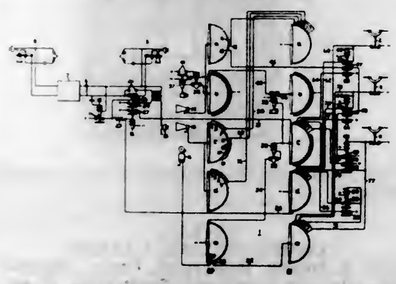
2,042,532

REMOTE SIGNALING SYSTEM

Arthur J. Johnston, Aldan, Pa., assignor to General Electric Company, a corporation of New York

Application March 27, 1934, Serial No. 717,598

10 Claims. (Cl. 179—2)



1. In a signaling system, a dispatcher's office, a remote station, means including a public telephone system for establishing a telephone connection between said office and station and for causing ringing current to flow through said telephone connection, a telephone transmitter at said station, means responsive to said ringing current for operatively connecting said transmitter to said telephone connection, a plurality of devices at said station, each device having a plurality of positions, and means responsive to said ringing current for producing at said transmitter in a predetermined sequence audible codes corresponding to the position of each device.

2,042,533

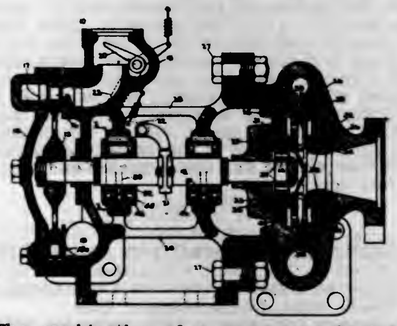
ROTARY PUMP, BLOWER, OR COMPRESSOR AND THE LIKE

Walter Kieser, Berlin, Germany, assignor to General Electric Company, a corporation of New York

Application June 21, 1934, Serial No. 731,635

In Germany November 20, 1933

1 Claim. (Cl. 230—116)



The combination of a compressor having a shaft, a prime mover for driving the compressor having a rotor fastener to the shaft, the compressor having a casing and an impeller fastened to the shaft, and members fastened to the casing facing cylindrical and end surfaces of the impeller, each member having a recess communicating through clearances defined between corresponding cylindrical surfaces and end faces of the impeller and the members with the outlet and the inlet of the compressor to automatically set up hydraulic forces responsive to and counteracting the axial thrust on the shaft.

2,042,534

DEVICE FOR TREATING LIQUIDS

Georg Alexander Krause, Munich, Germany, assignor, by mesne assignments, to Katadyn Inc., New York, N. Y., a corporation of Delaware

Application June 7, 1933, Serial No. 674,722

In Germany June 7, 1932

14 Claims. (Cl. 204—25)



1. A device for effecting the oligo-dynamic treatment of liquids comprising, electrodes, a holder for said electrodes, a source of current having a central electrode and a switch associated with said holder, said electrodes being embedded in said holder at one end thereof and a counter-contact arranged in said holder at the opposite end being in engagement with said central electrode to render said electrodes electrically conductive through said source of current.

2,042,535

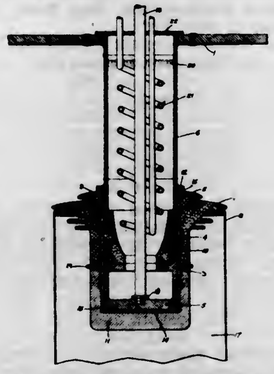
METAL TANK VAPOR ELECTRIC DEVICE

Oskar Krines, Berlin, Germany, assignor to General Electric Company, a corporation of New York

Application August 7, 1931, Serial No. 555,828

In Germany August 15, 1930

6 Claims. (Cl. 250—27.5)



1. In a vapor electric device, an evacuated metal container, an anode, an anode shield, an anode insulator connected in vacuum tight relation to said anode, an anode lead connected to said anode, means including a metallic member connected in vacuum tight relation at opposite ends thereof to said metal container and to said insulator to mount said insulator and said anode lead entirely within said container, said insulator constituting the sole insulating sealing means between said container and said anode, and an insulating member surrounding said anode insulator and connected to said anode shield.

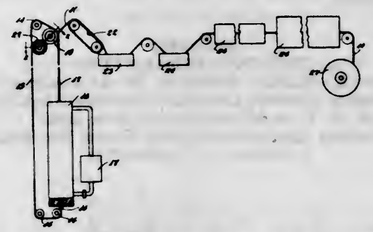
2,042,536

STRIP RUBBER AND METHOD AND APPARATUS FOR PRODUCING THE SAME

Charles W. Leguillon, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York

Application October 12, 1933, Serial No. 693,295

24 Claims. (Cl. 18—15)



1. Elastic thread comprising strip rubber the cross-section of which is a part cross-section of a tube of rounded concave inner surface and the outer marginal surfaces of the strip being rounded toward the interior of the tube.

4. The method of making strip rubber which comprises coating a strip form of convexly curved outer surface with rubber, separating the coating longitudinally by squeezing it between the curved surface of the form and a blunt surface, and stripping the rubber coating from the form in a substantially unvulcanized condition.

2,042,537

FILTER AND METHOD OF MAKING SAME

Robert P. F. Liddell, Darien, Conn., assignor to Motor Improvements, Inc., Newark, N. J., a corporation of Delaware

Application February 6, 1931, Serial No. 513,806

Renewed December 15, 1933

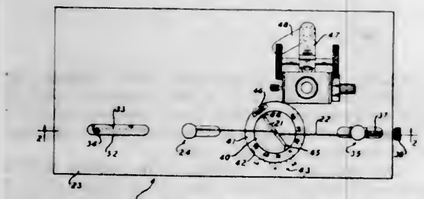
21 Claims. (Cl. 29—163.5)



1. In a method for forming a filter unit comprising a continuous element in the form of a helix which has filtering interstices between adjacent turns of the helix and which is carried by a support; the steps comprising rolling a wire into a transversely ribbed ribbon of which the width bears such relation to the thickness thereof that substantial bending of the ribbon in the normal plane of the width thereof buckles the ribbon out of that plane; forming the ribbon, by setting of the metal thereof, with such definite and uniform curvature in the normal plane of the width of the

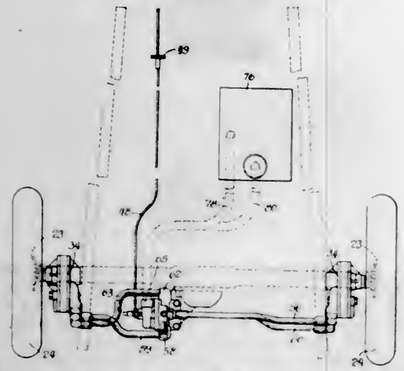
ribbon that the ribbon may be put without buckling of the ribbon out of the normal plane of the width thereof into the form of a helix comprising a multiplicity of turns with the width of the ribbon lying substantially normal to the axis of the helix and with the wider faces of the ribbon in opposed relation; and winding the preformed ribbon on edge and in the form of such helix around a support of such diameter that substantial bending of the ribbon in the plane of its width in avoided and with the successive turns of the helix spaced by the transverse ribs, and thereby forming a filter element comprising a cylinder having filtering interstices of definite dimension.

2,042,538
TESTING APPARATUS
Wilbur S. Magill, Westfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 8, 1933, Serial No. 688,571
8 Claims. (Cl. 33—174)



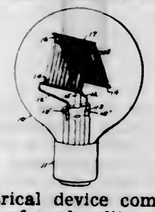
1. In an apparatus for determining at the winding point metric data relating to a strand wound about a core strand, means to support a sample of a core strand, and means to hold and tension a sample of a strand wound around the core sample.

2,042,539
HYDRAULIC BRAKE FOR VEHICLES
Theodore L. Maisch, Chicago, Ill., assignor, by direct and mesne assignments, to Hydraulic Products Co., Chicago, Ill., a corporation of Illinois
Application November 17, 1934, Serial No. 753,419
12 Claims. (Cl. 188—92)



1. In an hydraulic brake for vehicles, the combination of a carrying-wheel of the vehicle, a brake gear-pump operated in opposite directions by the rotation of said wheel in forward and rearward directions, a valve-casing having two passages therethrough, a main-valve having two ports in said valve-casing, means to move said valve to shift its ports substantially simultaneously into, and substantially more or less out of, register with said passages, whereby to render said passages open or more or less closed, conduits connecting said two passages at one side of said main-valve to the pump-chamber on opposite sides of the intermeshing portions of the gears of the pump, a liquid supply tank, and conduits connecting said two passages at the opposite side of said main-valve to said liquid supply tank.

2,042,540
ELECTRICAL DEVICE
Theodorus Josephus Jacobus Alphonsus Manders, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York
Application June 26, 1931, Serial No. 547,154
In the Netherlands July 21, 1930
4 Claims. (Cl. 176—26)



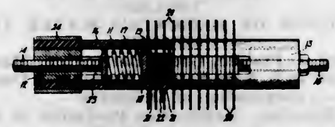
1. In an electrical device comprising a bulb, the combination of a plurality of support wires sealed in said bulb, a pair of leads electrically connected to a pair of said support wires, a helical spring of conductive material surrounding at least a portion of one of said wires, and an incandescible filament electrically connected to said leads and adapted to become incandescent during the operation of said device and having a portion thereof clamped between adjacent turns of said spring.

2,042,541
METHOD OF MAKING RIDERS
Davis Marinsky, Bronx, N. Y., assignor to Whitehall Patents Corporation, New York, N. Y., a corporation of New York
Application October 4, 1934, Serial No. 746,770
16 Claims. (Cl. 29—148)



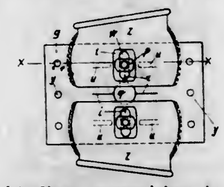
1. The herein described method of forming riders for separable fasteners of the class described which consists in providing relatively movable die casting dies with an impression formed between adjacent surfaces thereof of a contour consistent with the rider blank to be produced, injecting casting material into the impression of the dies along the parting line thereof under pressure while securely supporting said dies against separation, removing the casting thus formed from the dies, then trimming the same by suitable dies to remove surplus cast material therefrom to produce a cast rider blank, the side edges of the walls of which are straight, then arranging suitable backing tools within the rider inwardly of said side edges, and then moving curling dies toward the side edges of the rider to curl the same inwardly to form side flanges on the walls of the slider.

2,042,542
ELECTRIC CURRENT RECTIFIER
Maurice Masnou, Paris, France, assignor to General Electric Company, a corporation of New York
Application April 12, 1934, Serial No. 720,307
In France May 6, 1933
4 Claims. (Cl. 175—366)



1. A current rectifier comprising a hollow tubular member, a stack of rectifier elements comprising a plurality of rectifying plates, means to maintain said stack under pressure within said tubular member, and means to cool said rectifying plates comprising a plurality of cooling fins having central portions within said stack, portions external to said tubular member and of sufficiently large area to dissipate the heat from said rectifying plates, and heat conducting means projecting through the walls of said tubular member to connect said central and said external portions and of sufficient area and thickness to conduct to said external portions all of the heat to be transmitted to said external portions from said rectifying plates.

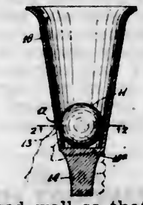
2,042,543
SKI TIE
Johann Maus, Stuttgart, Germany
Application February 16, 1934, Serial No. 711,574
In Germany September 28, 1933
9 Claims. (Cl. 208—184)



1. A ski binding, comprising in combination adjustable toe irons each having a horizontal portion curved at its front and rear ends and provided with teeth on these curved ends, a cover plate shiftable on said toe iron in longitudinal direction, straight holding bars under said cover bar, teeth on the inner edge of each of said holding bars adapted to engage with the teeth on the curved ends of the horizontal portions of said toe irons, said holding bars being shiftable in the longitudinal direction of the ski to lock and release said toe irons, and screw bolts in said cover plate adapted to press down on to the ski board said toothed bars and toe irons.

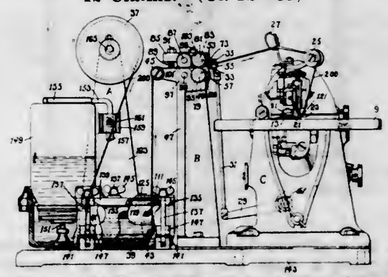
2,042,544
CATCHER AND THROWER GAME DEVICE
Robert H. McCrea, Oakmont, Pa.
Application June 7, 1935, Serial No. 25,411
3 Claims. (Cl. 273—96)

1. A catcher and thrower game device, comprising a solid wall funnel-shaped body having a portion closing the small end thereof upon which a ball may rest, a ball resting upon said portion, and said body being formed with an opening in the side wall thereof through which one's thumb or finger may be partially engaged to engage against the side of said ball and to press the ball



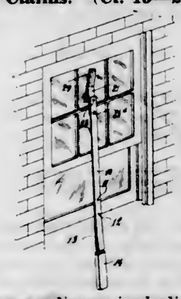
against the opposed wall so that it may be released when desired and thrown from the device.

2,042,545
TAPING AND FOLDING MACHINE
James E. McIntire, Peabody, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 20, 1933, Serial No. 703,323
12 Claims. (Cl. 12—55)



1. A machine for folding the margin of a piece of work and applying a tape to the work having, in combination, means or feeding the work, fold-forming and fold-pressing means, a reel for a supply of tape, mechanism for pulling the tape from the reel and for feeding the tape toward the fold-forming and pressing means, means for directing the tape upon the work, means for operating the pull-off mechanism from the work-feeding means, and means for varying the rate of feed of the pull-off mechanism with respect to the rate of feed of the work-feeding means.

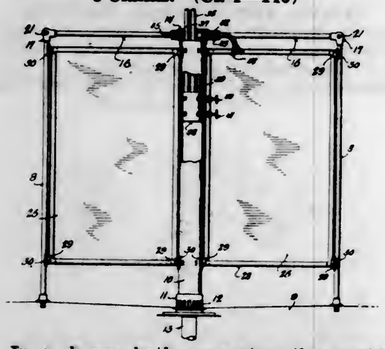
2,042,546
CLEANING APPLIANCE
August C. E. Meier, New York, N. Y.
Application June 16, 1934, Serial No. 730,885
4 Claims. (Cl. 15—220)



1. A cleaning appliance including an elongated rigid body-portion, a resilient member fixed thereto for relatively angular movement at one end, a handle carried by said member, an extension for said body-portion, said extension

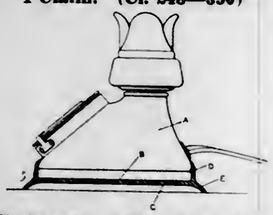
having a rigid wiper receiving portion and a resilient support therefor, and means for interlocking said extension and said rigid body portion of the appliance, said means comprising a plurality of laterally projecting surfaces on said resilient support and cooperating openings in said rigid body, one of said surfaces constituting an interlocking element when said extension is in functioning position on said appliance body-portion.

2,042,547
COMPARTMENT SHOWER
Howard A. Mullett, Milwaukee, Wis., assignor to Bradley Washfountain Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 27, 1934, Serial No. 741,642
5 Claims. (Cl. 4—146)



1. In a shower bath apparatus, the combination with a base and a wall, of a framework including uprights mounted in said base and tubing arranged in a semicircle, means for anchoring said framework at its ends to said wall, a standard adjacent said wall and at the center of said semicircular framework, partitions radiating from said standard and connected to said framework and forming a plurality of compartments, there being a partition adjacent the wall on each side of said standard, a spray pipe extending into each compartment, and means within each compartment and associated with said standard for controlling the delivery of tempered water to its spray pipe.

2,042,548
TELEPHONE ACCESSORY
Adolf M. Peters, New York, N. Y.
Application May 5, 1933, Serial No. 669,552
1 Claim. (Cl. 248—350)

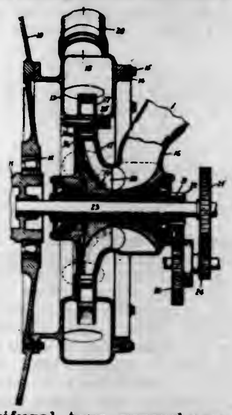


A non-slip base for a dial operated type of desk telephone, comprising a flat supporting wall adapted to underlie the entire base of the telephone and having an upstanding flange bounding its edge and forming an opening of a smaller area than that of the telephone base, said flange being adapted to be forced over the telephone base for the seating of the latter on said supporting wall, and an outwardly flared apron depending from said supporting wall in substantial continuity with said flange and forming thereby a smooth exterior surface to the non-slip base, said apron and supporting wall forming a suction chamber for holding the telephone in place on a supporting surface during manipulation of the telephone dial.

2,042,549
PROCESS OF REMOVING WATER FROM CYANID
Edward J. Pranke, Great Barrington, Mass., assignor to E. I. du Pont de Nemours & Company, Inc., a corporation of Delaware
No Drawing. Application December 18, 1934, Serial No. 758,095
2 Claims. (Cl. 23—79)

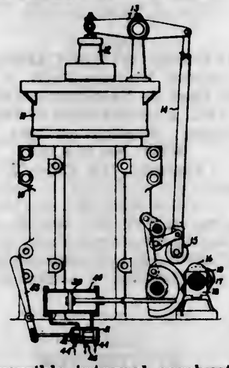
2. The process of removing water from cyanid solutions which consists in applying an alkali metal cyanid solution containing cyanid equivalent to more than 28 percent of sodium cyanid in a thin, adhering layer to a solid surface heated above the boiling temperature of the solution at saturation and evaporating water from said solution in a brief time to produce solid alkali metal cyanid on said surface and removing said solid cyanid from said surface.

2,042,550
SUPERCHARGER FOR INTERNAL COMBUSTION ENGINES
Samuel R. Puffer, Saugus, Mass., assignor to General Electric Company, a corporation of New York
Application July 19, 1935, Serial No. 32,207
6 Claims. (Cl. 230—127)



1. A centrifugal type supercharger for combustion engines comprising a casing defining an impeller chamber with an inlet conduit and a collector passage surrounding the impeller chamber and having outlet openings for discharging a compressed medium to a plurality of engine cylinders, an impeller rotatably disposed within the impeller chamber for forcing air radially outward, and a diffuser concentrically surrounding the impeller and secured to the casing for converting velocity energy of a medium impelled by the impeller into pressure energy, said diffuser including a plurality of vanes and a side wall secured thereto, said side wall having openings intermediate the outer end portions of the vanes to effect discharge of a medium from the diffuser in lateral direction as well as circumferentially outward.

2,042,551
REVERSING MECHANISM FOR POWER ENGINES
Alfred Renner, Berlin-Tegel, Germany, assignor to General Electric Company, a corporation of New York
Application February 24, 1933, Serial No. 658,427
In Germany March 10, 1932
2 Claims. (Cl. 123—41)



1. In a reversible internal combustion engine, the combination of a cylinder, provided with a cylinder head, a cam shaft, two cams on the shaft, a slidable bearing having a casing supporting the shaft, a valve actuating means including a push rod and a roller engaging one of the cams, and means disposed substantially below the cylinder head for reversing the engine comprising a single positive action cam having a portion engaging the casing of the bearing, a rotatable straight shaft member mounted on the side of said cylinder below said cylinder head and provided with a pair of arms, a link pivotally connected at one end to one of said arms and at the other end to said push rod, and a second link pivoted at one end to the second of said arms and at the other end to the positive action cam whereby movement of the positive action cam effects axial movement of the bearing with the cam shaft and simultaneously removing of the roller from one cam and returning of the roller into engagement with the other cam.

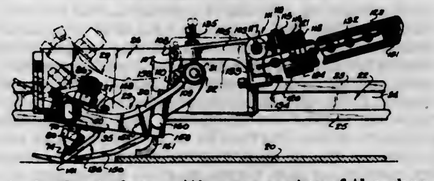
2,042,552
PROCESS FOR PRODUCING SEAMLESS TUBES
Martin Roeckner and Jose Severin, Mulheim-Ruhr, Germany, assignors to Deutsche Rohrenwerke Aktiengesellschaft, Dusseldorf, Germany
Application November 9, 1934, Serial No. 752,282
In Germany November 27, 1933
5 Claims. (Cl. 80—62)

1. A process for producing tubes from hollow billets by stretching principally in the axial direction by means of a plurality of pairs of rolls, consisting in subjecting the hollow billet intended to form the tube to rolling by pairs of rolls, the units of which are respectively disposed on the inside and on the outside of the hollow billet, the axis of the said rolls being out of alignment with the axis of the hollow billet and the said rolls being set to roll upon the outer and inner faces of the hollow billet in a helical direction, the rolls of the respective pairs of rolls being in succession of different and increasing width and of different and increasing depth of engagement, whereby a groove is formed in the metal of the hollow billet by the first pair of rolls and is widened and deepened successively by a successive flow of the metal produced by each of the succeeding pairs of rolls so that the part of the billet reduced by the first pair of rolls is



gradually stretched towards one end of the hollow billet without the formation of fissures or overturnings until the desired thickness of the work is attained.

2,042,553
CUTTING APPARATUS
Edwin A. Rosin, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application June 18, 1934, Serial No. 731,056
20 Claims. (Cl. 33—32)

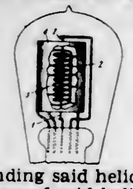


1. In sheet glass cutting apparatus of the character described, a pivotally mounted supporting arm, a bearing block pivotally carried thereby and adapted to swing about a substantially horizontal axis, a cutter holder carried by said bearing block, a diamond carried by the cutter holder, and means carried by said supporting arm for swinging the bearing block about said substantially horizontal axis to regulate the angle of the cutting edge of said diamond with respect to the sheet to be cut and for maintaining the said bearing block in adjusted position.

2,042,554
THERMIONIC TUBE
Henry Joseph Round, London, England, assignor to Radio Corporation of America, a corporation of Delaware
Application September 14, 1928, Serial No. 305,882
In Great Britain October 1, 1927
1 Claim. (Cl. 250—27.5)

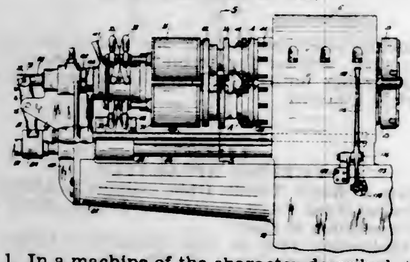
In an electron discharge device the combination of an electron emitting cathode, two co-axial helical electrodes of the same diameter and pitch mounted with the turns of each helix between the turns of the other helix and with said cathode at the common axis of said helices, the arrangement being such that the distance between adjacent turns of the helical electrodes is substantially equal to the distance between the

cathode and said turns, and a cylindrical plate



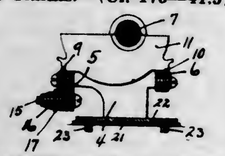
electrode surrounding said helices and electrically connected to one of said helices.

2,042,555
CHUCK MECHANISM FOR AUTOMATIC MACHINE TOOLS
Harry W. Rupple, Shaker Heights, Ohio, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio, a corporation of Ohio
Application January 2, 1932, Serial No. 584,421
37 Claims. (Cl. 29—38)



1. In a machine of the character described, the combination of a frame, a spindle turret rotatably supported by said frame, a plurality of spindles rotatably supported in said spindle turret, power means for driving said spindles, means carried by each spindle for connecting said power means to and from said spindle, chucks carried by said spindles, means for operating said chucks, fluid pressure motors carried by said spindles and connected to one of said means, a stationary member carried by said frame in axial alignment with said spindle turret, an inner valve member rotatably supported about said stationary member, an outer valve member rotatably supported about said inner valve member, means for simultaneously rotating said valve members concomitant with said spindle turret, means for moving said inner valve member in a reverse direction to the said simultaneous rotation, said valve members being provided with a plurality of ports adapted to control the flow of fluid pressure to said motors whereby the actuation of the motors is controlled.

2,042,556
CONDENSER
Theodore Johnson Scofield, Jackson, Mich., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application January 29, 1927, Serial No. 164,481
3 Claims. (Cl. 175—41.5)

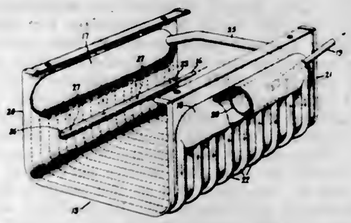


1. In a variable condenser having a framework comprising metal end walls joined by opposed insulating bars, a shaft journaled in said end walls, rotor plates secured to the shaft, metal brackets mounted on said insulating bars, stator plates secured normally to the metal brackets, one of said brackets having an extension adapted to serve as a plate for an additional condenser, a metal plate and insulating strip cooperating with said bracket extension to form said additional condenser.

2,042,557
REFINING HYDROCARBONS
William J. Sparks, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 26, 1933, Serial No. 673,113
7 Claims. (Cl. 196—23)

1. A process for refining a hydrocarbon oil comprising treating said oil simultaneously with an alkali metal and oxygen in such manner that an amount of oxygen equivalent to 1.0 to 5.0% by weight of the oil is absorbed during the treating period and filtering the mixture to recover refined oil.

2,042,558
EVAPORATOR
Carl H. Steenstrup, Niskayuna, N. Y., assignor to General Electric Company, a corporation of New York
Application August 28, 1935, Serial No. 38,204
6 Claims. (Cl. 62—126)

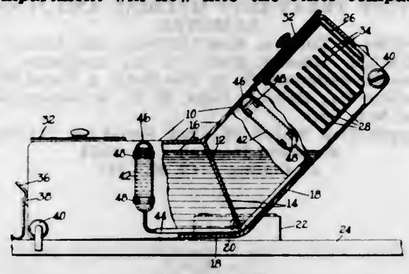


2. A flooded evaporator for refrigerating machines of the type employing a liquefiable refrigerant and a liquid lubricant separable by gravity and including a header for separating liquid and gaseous refrigerant, means including a suction conduit entering said header for removing gaseous refrigerant and lubricant therefrom, and means including an elongated substantially cylindrical baffle having an open end and arranged horizontally within said header and extending throughout its length partially below the level of liquid refrigerant in said header for separating lubricant from the liquid refrigerant within said evaporator, said suction conduit communicating with said header within said baffle.

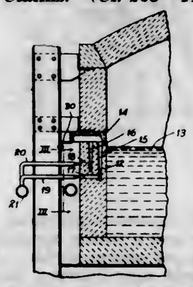
2,042,559
CONDITIONING DEVICE
Willy Stelkens, Cologne, Germany, assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application November 2, 1934, Serial No. 751,247
In Germany November 17, 1933
11 Claims. (Cl. 12—1)

1. A conditioning apparatus comprising a pair of closed compartments having communication with each other, a support constructed and arranged for movement of said compartments to a position wherein a conditioning liquid in one

compartment will flow into the other compartment and a holder for work pieces in each compartment.

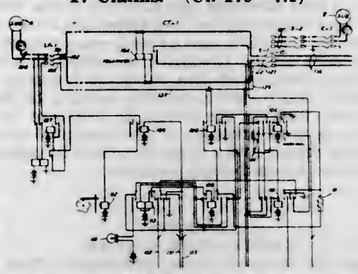


2,042,560
FURNACE WALL
Andrew H. Stewart, Shields, Pa.
Application September 28, 1934, Serial No. 745,890
2 Claims. (Cl. 263—44)



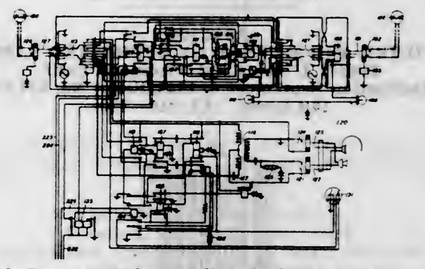
1. A melting furnace having refractory walls provided with a series of slots adjacent to the inner surfaces of the walls and widened in directions parallel to the planes of said surfaces, and also provided with recesses in staggered relation to the first-named recesses and located nearer to the outer surfaces of the side walls.

2,042,561
TELEPHONE SYSTEM
Ray L. Stokely, Floral Park, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 11, 1934, Serial No. 747,831
17 Claims. (Cl. 179—7.1)



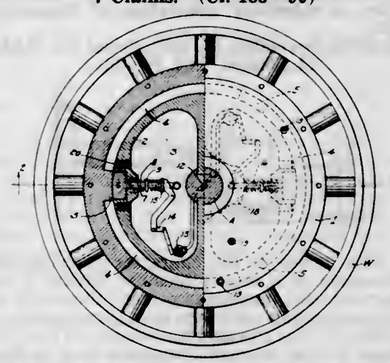
1. In a multi-office telephone system, subscribers' lines, means including a charging trunk for use in completing a talking connection between a calling one of said lines and any called line, another trunk for use in completing interoffice calls, a meter for registering charges for calls originating over said calling line, zone metering apparatus for controlling the operation of said meter, switching means for operatively associating said zone metering apparatus with said charging trunk, and means associated with said other trunk for transmitting zone indicating signals to said zone apparatus.

2,042,562
TELEPHONE SYSTEM
Ray L. Stokely, Floral Park, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 11, 1935, Serial No. 15,788
18 Claims. (Cl. 179—90)



1. In an impulse sending device a plurality of registering means for registering the several digits of a call designation, a group of selecting magnets, means for selectively operating said magnets in response to each successive digit of a call designation for selectively and successively setting said registering means, means for generating impulses and for controlling the setting of selector switches in accordance with the setting of said registering means, and means controlled by said impulse generating means during each selection control to operate said selecting magnets as counting relays to count a number of impulses as determined by the setting of the registering means for that particular selection control.

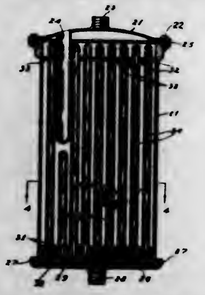
2,042,563
BRAKING DEVICE
James D. Stultz, Shively, Ky., assignor to Ida I. Garr, Shively, Ky., and himself
Application May 14, 1934, Serial No. 725,415
7 Claims. (Cl. 188—90)



1. A braking device comprising a rotary structure, a stationary structure, said structures cooperating to define an outer liquid chamber having an end wall, a braking member mounted on one of said structures for projection into and retraction from said chamber, said braking mem-

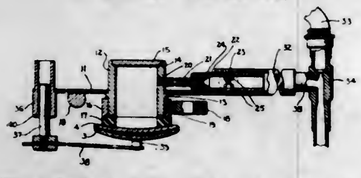
ber and chamber being arranged relatively to each other so that one rotates with the rotary structure while the other is positioned on the stationary structure along the path of rotation, means for projecting said braking member whereby during rotation a braking pressure is built up in the liquid between the braking member and the approaching end wall of the chamber, and means automatically operating during rotation for retracting said braking member when the space between it and the end wall of the chamber is reduced to a predetermined value, said retracting means being spaced inwardly from said liquid chamber.

2,042,564
FILTER AND METHOD OF OPERATING SAME
Ernest J. Sweetland, Piedmont, Calif.
Application September 6, 1932, Serial No. 631,778
10 Claims. (Cl. 210—129)



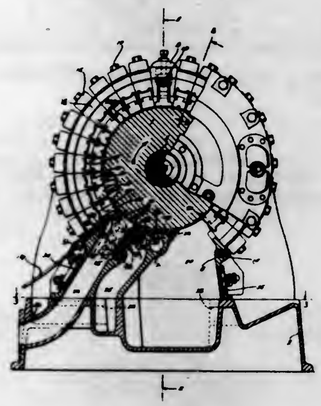
1. A filter comprising a plurality of porous tubes, a header of porous material through which said tubes are threaded, a filter casing within which said tubes and header are mounted, said header forming a porous partition in said casing, and an auxiliary filter within said casing between said header and the outlet opening in said casing.

2,042,565
MEANS AND METHOD OF ALIGNING AND HOLDING LENS ELEMENTS
Edgar D. Tillyer, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application December 16, 1933, Serial No. 702,697
14 Claims. (Cl. 88—56)



1. In a device of the character described the combination of a hollow member having a lens supporting edge, means associated therewith for positively holding a surface of a lens element on said edge so that the opposite surface of said lens element is free to receive another lens element and so that vision through the central area of said element is not obstructed, and spring pressed means movable into and out of alignment with the hollow member for resiliently engaging and supporting the second lens element in aligned relation with the first.

2,042,566
STUFF TREATMENT MACHINE AND JUNK REMOVER
Charles P. Tolman, Kew Gardens, and James T. Coghill, Hoosick Falls, N. Y., assignors, by mesne assignments, to The Noble & Wood Machine Co., Hoosick Falls, N. Y., a corporation of New York
Application March 28, 1934, Serial No. 717,718
Renewed December 14, 1934
47 Claims. (Cl. 92—20)



1. In a stuff treatment machine, the combination of a rotor and a stator operatively arranged in relation to a peripheral surface of said rotor to form a treatment zone between them, means for delivering material to and confining it in a feed chamber under pressure and in contact with a portion of said peripheral surface of the rotor in advance of the stator, means for actuating the rotor to move suitably sized particles of said material into said treatment zone, means positioned and adapted to accumulate other particles at one side thereof in said feed chamber, a trash outlet for said accumulated particles, and a valve operatively arranged between said feed chamber and said trash outlet to intercept said other particles when closed and to pass said other particles when open.

21. In stuff treatment apparatus, the combination of a rotor and a stator operatively arranged in relation to a peripheral surface of said rotor to form a film shearing gap between them, means for feeding material in a liquid medium and under pressure to the inlet end of said gap, means for moving said stator toward and away from said peripheral surface of the rotor, and means for controlling said stator moving means to move the stator toward the rotor in response to an increase in feed pressure of the material and to move said stator away from the rotor in response to decrease in said feed pressure.

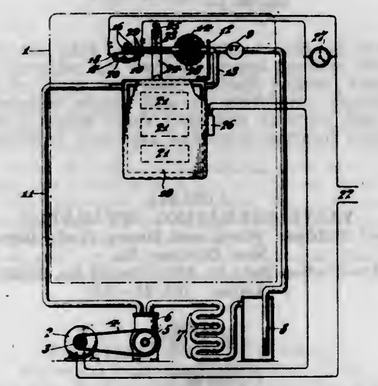
2,042,567
SHIRT CUFF GUARD
Carl H. Trieschmann, Milwaukee, Wis.
Application June 28, 1934, Serial No. 732,849
4 Claims. (Cl. 2—60)

1. A cuff guard comprising an elongated blank folded longitudinally to provide for the insertion of a cuff between the folded portions, and stitching extending through both of said folded portions adjacent the line of fold for securing said portions in folded position and for preventing



buckling when the guard is in a curled position of use.

2,042,568
REFRIGERATION SYSTEM
Clarence D. Tuska, Philadelphia, Pa., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application September 29, 1934, Serial No. 746,104
5 Claims. (Cl. 62—4)

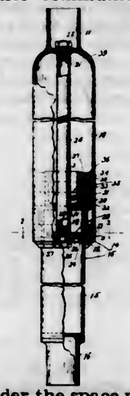


1. In a refrigeration system, a source of power for said system, an evaporator, an expansion valve, a connection between said expansion valve and said evaporator, means permitting movement of said connection, means to prevent the collection of ice on the first mentioned means, and means responsive to the movement of said connection to control the application of said power.

2,042,569
PISTON PACKING
John F. Wallace, Cleveland, Ohio, assignor to The Cleveland Pneumatic Tool Company, Cleveland, Ohio, a corporation of Ohio
Application May 10, 1930, Serial No. 451,250
5 Claims. (Cl. 309—31)

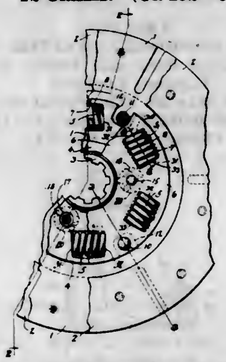
1. In combination, a piston comprising a head having an external annular recess and a packing adapted to fit said recess and engage the inner wall of a cooperating cylinder as well as the recessed wall of the piston, said packing comprising a ring of flexible material U-shaped in cross section, a ring of hard material threaded onto the piston head and having an annular projection extending into the groove of said U-shaped packing ring to space the latter away from the major portion of said hard ring, said hard ring having spanner wrench sockets therein on the side exposed to the pressure in the cylinder, and having perforations extending from said sockets to the opposite sides of the annular projection,

adapted to bring into communication with the



interior of the cylinder the space within the packing ring on either side of the annular projection.

2,042,570
VIBRATION DAMPENER
Ernest E. Wemp, Detroit, Mich.
Application January 28, 1935, Serial No. 3,794
12 Claims. (Cl. 192—68)

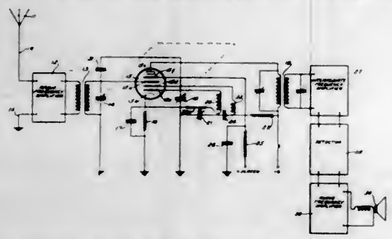


1. A rotary clutch member comprising, a disc, a hub for the disc, a flange on the hub overlapping the disc, a washer member on a side of the flange opposite the disc, the disc, flange and washer having substantially aligned apertures, a coil spring positioned in each group of aligned apertures, means tying the disc and washer together for movement in unison, said springs serving to connect the disc and washer in driving relation with the hub, friction means positioned between the disc and flange and the washer and flange, whereby the disc and washer are separated axially and the springs project only partially into the apertures therein, and said apertures in the disc and washer measured in a radial direction having dimensions less than the diameter of the springs for retaining the same in said aligned apertures.

2,042,571
SIGNAL TRANSLATING AND MODULATING SYSTEM
Harold A. Wheeler, Great Neck, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application March 27, 1935, Serial No. 13,227
21 Claims. (Cl. 250—20)

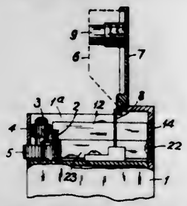
1. A signal-translating and -modulating system including a vacuum tube having a cathode,

an output electrode, and a plurality of grid electrodes interposed therebetween, an input circuit connected to a first of said grid electrodes, a circuit of substantial impedance connected to an adjacent grid electrode nearer said cathode, whereby a voltage of input frequency developed on said latter electrode has a regenerative effect on said input circuit, and means for substantially



eliminating the effect of said regenerative action on the conversion gain of the system comprising means for supplying to one of said grid electrodes a current of input frequency having an effect on the resultant electron stream to said anode equal and opposite to that of said regenerative effect.

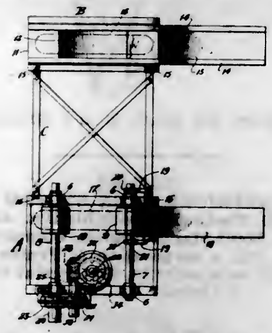
2,042,572
PYROPHORIC IGNITER
Frederick Charles Wise and Willey Greenwood, London, England
Application May 29, 1935, Serial No. 23,962
In Great Britain February 20, 1935
5 Claims. (Cl. 67—7.1)



4. A pyrophoric pocket lighter comprising a flat casing having igniting elements accommodated in a chamber at one end of said casing, a hinged lid covering said chamber, said igniting elements comprising a flint tube which is accessible through a narrow side wall of the casing, a flint actuating spring in said tube, a slide fitted horizontally in said narrow side wall as a closure for the tube and as an abutment for said spring, and checking means for the spring operative to prevent it from being shot out of the tube when the slide is withdrawn and to release the spring for complete extraction on a rotary displacement thereof.

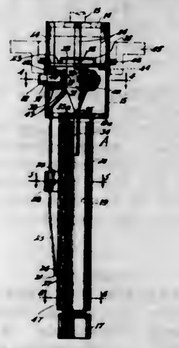
2,042,573
POWER TRANSMITTING DEVICE
Albert Baldwin Wood and Henry Wade Barnett, New Orleans, La.
Application July 26, 1935, Serial No. 33,322
1 Claim. (Cl. 74—14)

An automobile operated power transmitting device comprising base structure; spaced parallel shafts rotatably mounted on said base structure; a straight tread roller non-rotatably mounted on each of said shafts for rotatably supporting one of a pair of axially aligned power wheels of an automobile; ramp means comprising a recessed portion for receiving and non-rotatably supporting the other of said pair of power wheels, an inclined approach to said recessed portion, and guide means for laterally positioning said pair of power wheels with the first mentioned power wheel in effective driving contact with the rollers; an inclined approach leading to said rollers; and



means for detachably supporting said last mentioned inclined approach from the adjacent one of said parallel shafts comprising arms on said approach, and flats on said shafts engageable by said arms to lock said shaft with its roller against rotation when the approach is in place.

2,042,574
VALVE OPERATING APPARATUS
Albert Baldwin Wood and Henry Wade Barnett, New Orleans, La.
Application July 26, 1935, Serial No. 33,323
4 Claims. (Cl. 81—53)



1. Valve operating apparatus comprising a driving head having means affording connection to a power device for drive thereby, a socket portion for engagement with the stem of a valve to be operated, spline means connecting said head and socket portion together whereby the apparatus may be adjusted to extended and retracted positions, ratchet means comprising teeth and a resilient pawl associated with the spline means for releasably locking the apparatus against movement in the direction of retraction, and a movable member with which the free end portion of said pawl has spring engagement, said movable member having a cylindrical portion effecting engagement of the pawl with the teeth and a conical portion effecting release of the pawl from the teeth.

2,042,575
LUBRICATING SYSTEM
Thomas F. Worth, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application February 19, 1935, Serial No. 7,199
19 Claims. (Cl. 308—187)



1. A lubricating system for a rotatable shaft and a bearing therefor, comprising a lubricant reservoir adjacent said bearing, means including an impeller carried by said shaft for atomizing lubricant from said reservoir and for circulating the same through said bearing, said atomizing means including a passage having an inlet below the lubricant level in said reservoir and a discharge outlet in proximity to said bearing and a second passage communicating with the outlet side of said impeller and discharging at the outlet end of said first mentioned conduit.

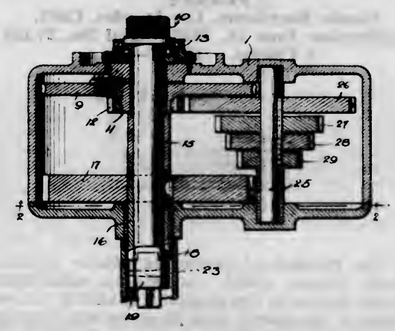
2,042,576
SMELTING SULPHIDE ORES
Raymond F. Bacon, Bronxville, N. Y.
Application September 26, 1930, Serial No. 484,710
7 Claims. (Cl. 23—226)



1. In a process of recovering sulphur from pyrites wherein the pyrites is smelted in a smelting furnace, the steps which comprise, contacting the sulphur dioxide from the combustion zone with the ferrous sulphide from the partially desulphurized pyrites in the presence of a magnesia catalyst to accelerate the reduction of the sulphur dioxide to elemental sulphur by said sulphide.

4. The process of recovering elemental sulphur from pyrites which comprises, subjecting a charge containing the pyrites to the action of an air blast in a smelting furnace with the blast introduced at such a rate that a smelting temperature is attained in the lower portion of the furnace and the oxygen of the blast is substantially consumed in said portion, passing the sulphur dioxide produced in such combustion zone in contact with the hot iron sulphide in the charge above the combustion zone for a suitable period of time and with the sulphide provided in such amount that substantially all of the sulphur dioxide is reduced to elemental sulphur by reaction therewith, excluding oxidizing atmosphere from above the charge in the furnace, withdrawing from the furnace the gases issuing from the top of the charge, and separating the elemental sulphur from said gases.

2,042,577
VARIABLE SPEED GEARING
Edward G. Baer and Arthur B. Fisher, Orrville, Ohio
Application January 19, 1935, Serial No. 2,592
2 Claims. (Cl. 74—363)



1. In a reduction gearing for stokers the combination of a driving shaft and means for driving it, a worm on the driving shaft, a worm wheel rotatably mounted upon the stoker conveyor shaft and in engagement with the worm on the driving shaft said worm wheel having an extended hub, a plurality of gears keyed to the hub of the worm wheel, a hollow shaft parallel with the stoker conveyor shaft, a drum upon the hollow shaft, the drum and the hollow shaft having registering holes therein, a plurality of spring retracted pawls located in the registering holes, a plurality of gears rotatably mounted upon the drum each gear in registration with one of the pawls and having a recess in its inner edge having pawl engaging walls, a control cam rod in the hollow shaft, means on the outer end of the control cam rod to manipulate it and bring the cam into engagement with any selected pawl to project it beyond the periphery of the drum and lock the gear in registration therewith to the drum whereby the hollow shaft is rotated, a gear fixed to the hollow shaft, a bearing sleeve rotatably mounted upon the stoker conveyor shaft, a gear fixed to the bearing sleeve and meshing with the gear fixed to the hollow shaft, clutch teeth on the outer end of the bearing sleeve, a collar on the stoker conveyor shaft having cooperating clutch teeth in engagement with the clutch teeth of the bearing sleeve and a shearing pin passing through registering holes in the stoker conveyor shaft and the collar.

2,042,578
AGITATOR FOR WASHING MACHINES
Thomas W. Behan, Binghamton, N. Y., assignor to Nineteen Hundred Corporation, Binghamton, N. Y., a corporation of New York
Application November 13, 1931, Serial No. 574,765
5 Claims. (Cl. 259—101)



1. An agitator having a disc-like base, a pyramidal upper portion, and an intermediate section having spherical, concave surfaces merging smoothly into the base and upper portion.

2,042,579
PREVENTION OF BARK DISEASES IN PLANTS
Gunde Bergstrom, Los Angeles, Calif.
Application June 18, 1935, Serial No. 27,152
2 Claims. (Cl. 47—58)



1. The method of rendering plants resistant to bark disease which consists in establishing drainage means in the ground containing the root systems of the plants, and progressively lowering the depth of such drainage means to cause the plant root systems to progressively develop to lower levels.

2,042,580
CORD TERMINAL PLUG
James Bernfeld, Newark, N. J.
Application July 30, 1934, Serial No. 737,669
4 Claims. (Cl. 173—361)



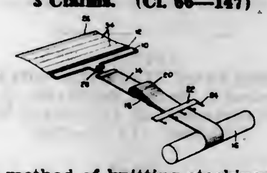
3. A two-part electric plug comprising a part of resilient material having a central bore for receiving an electric cord and having a cup-shaped recess at one end and a cooperating part of resilient material provided with an annular groove for receiving the cup-shaped recessed end of the other part and having a recess on the inner surface of the outer wall of said groove and means on the periphery of the other part received within said recess to lock the two parts of the plug together, and contact members of flat spring material supported between the two parts of the electric plug and provided with a tang for securing said contact member to said plug, said tang engaging the groove on said cooperating part, each contact member having a pair of legs, the legs of each contact forming a pair of free ended, oppositely disposed, substantially parallel, spaced flat resilient arms extending clear of the plug and adapted to be spring pressed toward each other to provide a tight frictional contact of large area when engaged by a cooperating contact member, said legs being provided with projections intermediate their ends within the body of the resilient material and extending toward and contacting with each other to maintain the legs of the contact separated from each other.

2,042,581
FOOD AND FOOD PACKAGING
Alvin H. Blount, Los Angeles, Calif., assignor to Jell-Well Dessert Company, Ltd., Vernon, Calif., a corporation of California
Application August 2, 1934, Serial No. 738,149
2 Claims. (Cl. 99—129)



2. A flavoring material carrier consisting of a preformed solid porous body formed of sugar and impregnated with a volatile flavoring material, and said body having a sealing surface of hardened saccharine material formed thereon impervious to the escape of the volatile flavoring material.

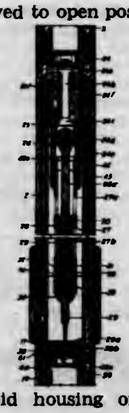
2,042,582
WELTLESS, FULL-FASHIONED HOSIERY AND METHOD OF MANUFACTURE THEREFOR
John M. Botts, Jenkintown, Pa.
Application August 21, 1931, Serial No. 558,518
3 Claims. (Cl. 66—147)



1. The method of knitting stockings on a flat-bed machine, which includes the steps of: forming a plurality of stitches on a needle bar, applying tension to the bar, continuously forming stitches thereafter, subjecting the fabric to tension independently of the bar, and separating the bar from the fabric.

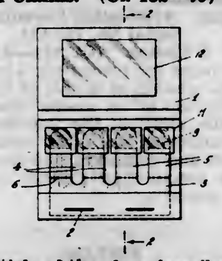
2,042,583
MEANS FOR LIFTING LIQUIDS
Alexander Boynton, San Antonio, Tex.
Application May 3, 1934, Serial No. 723,665
11 Claims. (Cl. 103—234)

1. In a fluid lift device, a pressure tube, a downwardly tapered seat nipple at the lower end thereof, a flow tube, a valve housing therein, means on said housing having a sealing engagement in said seat, a gaseous fluid inlet passage from said pressure tube to said housing, upper and lower valve seats in said passage, a control valve in said passage adapted to be moved between said seats, a stem on said valve, an extension sub on said stem, a liquid inlet to said housing, a liquid inlet valve on said sub slidably engaging in said inlet, said control valve being movable from one valve seat to another of said seats by pressure of the gaseous lift fluid to open said liquid inlet valve, said liquid valve being again closed, and said control valve being moved to open position in response to



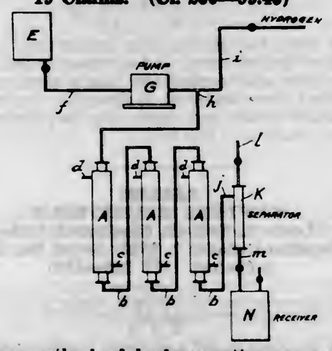
pressure in said housing of the liquid being pumped.

2,042,584
LIP STICK PACKAGE
Cesar Bustamante, New York, N. Y.
Application October 19, 1932, Serial No. 638,474
4 Claims. (Cl. 132—79)



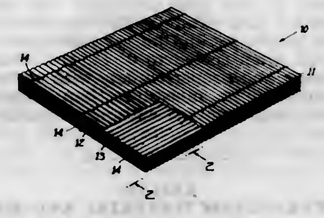
1. In an article of the class described, the combination of a carrier stick of cardboard, a facing thereon of water-proof sheet material, and a deposit of cosmetic on said facing, said facing being of a material impervious to said cosmetic.

2,042,585
METHOD FOR HYDROGENATION OF ESTERS OF ABIETIC ACID
Durain C. Butts, Fairville, Pa., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application May 22, 1931, Serial No. 539,154
Renewed November 22, 1933
19 Claims. (Cl. 260—99.40)



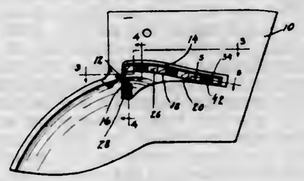
1. The method of hydrogenating an ester of abietic acid which includes passing the ester and hydrogen under superatmospheric pressure and at a temperature promoting combination of hydrogen at unsaturated bonds in the abietyl radical relative to a stationary active hydrogenation catalyst.

2,042,586
THERMAL INSULATOR
John Campbell and Robert G. Quinn, Glens Falls, N. Y., assignors to International Paper Company, New York, N. Y., a corporation of New York
Application February 24, 1933, Serial No. 658,371
3 Claims. (Cl. 154—45)



3. A thermal insulator comprising a plurality of sheets of corrugated paper arranged in superimposed relation, each sheet being saturated up to 50% of its weight with asphalt capable of forming a rigid film whereby the corrugations of each sheet will retain their shape, the flutes of adjacent sheets having substantially point contact with each other, and means connecting said sheets together.

2,042,587
COMBINED AUTOMOBILE PANEL AND ARM REST ASSEMBLY
Francis L. Chadwick, Detroit, Mich., assignor to Woodall Industries Incorporated, Detroit, Mich., a corporation of Michigan
Application June 30, 1932, Serial No. 620,194
5 Claims. (Cl. 155—198)

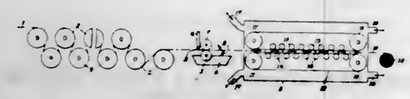


5. An arm rest assembly comprising, in combination, a vertical panel composed of yielding thermoplastic fibrous material, an arm rest likewise composed of yielding thermoplastic fibrous material, a strip of yielding thermoplastic fibrous material for reenforcing the assembly, and fastening means attaching said arm rest to the central expanse of said panel and passing through said panel, said arm rest and said reenforcing strip yieldingly drawing the same into tight fitting engagement whereby the panel forms the sole support of the arm rest.

2,042,588
CELLULOSE STRUCTURE
William Hale Charch, Buffalo, N. Y., and William Frederick Underwood, Waynesboro, Va., assignors to Du Pont Cellophane Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application August 3, 1932, Serial No. 627,362
8 Claims. (Cl. 91—68)

1. A pellicular regenerated cellulose structure uniformly and completely impregnated only with one or more non-hygroscopic organic substances which are insoluble in water, insoluble in acetone or alcohol, and soluble in benzene, toluene, xylene or gasoline and which organic substance or substances are selected from the class consisting of mineral oils, fats, waxes and greases; the said non-hygroscopic organic substance being so dispersed in the structure that the latter is transparent and exhibits superior electrical insulating properties and higher resistance to rupture even when cooled to 0° C., and changes in dimensions and properties less with variation of the surrounding moisture than regenerated cellulose impregnated with hygroscopic substances.

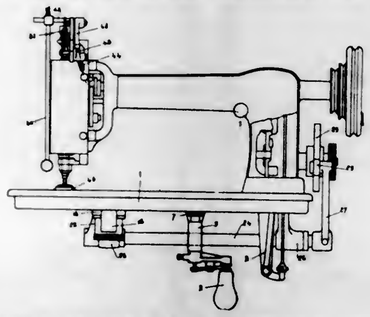
2,042,589
MOISTUREPROOF MATERIAL AND METHOD OF MAKING THE SAME
William Hale Charch, Buffalo, and Albert Hershberger, Kenmore, N. Y., assignors to Du Pont Cellophane Company, Inc., New York, N. Y., a corporation of Delaware
Application February 6, 1934, Serial No. 709,924
20 Claims. (Cl. 91—70)



1. A method of preparing a transparent moistureproof material which comprises coating a pellicle of a cellulosic material obtained by precipitation or coagulation of aqueous cellulosic solutions or dispersions and containing approximately 50% to 300% of moisture, based on the dry mass constituting the pellicle, with a moistureproofing composition containing, in addition to the film-forming ingredients, a waxy substance and organic solvents, and simultaneously drying out the moisture from the pellicle and evaporating the solvents from the coating at an elevated temperature which at some stage of the operation is at least equal to the melting point of the waxy substance in the composition.

2,042,590
EMBROIDERY MACHINE
Areldo Chiti, Turin, Italy, assignor to Anciens Etablissements R. Cornely & Cie, Societe Anonyme, Paris, France, a company of France
Application July 10, 1931, Serial No. 549,968
In Italy July 18, 1930
15 Claims. (Cl. 112—98)

1. An embroidery machine of the type described comprising in combination, a needle, at least two distinct thread distributors, and means for bringing said thread distributors into their

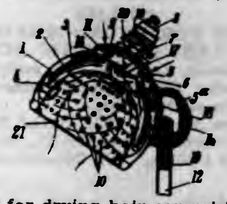


operative positions under said needle in any of a plurality of different orders.

2,042,591
ELECTROLYSIS
Homer M. Doran and Harold D. Houghton, Great Falls, Mont., assignors to Anaconda Copper Mining Company, New York, N. Y., a corporation of Montana
No Drawing. Application November 15, 1934, Serial No. 753,124
8 Claims. (Cl. 204—4)

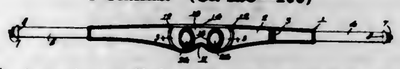
1. In a process for recovering a metal by electrolysis of a solution of a salt of the metal and involving the use of an anode substantially insoluble in the solution, the improvement which comprises employing an anode consisting essentially of lead and cadmium and containing cadmium in an amount not greater than about 0.5 percent by weight.

2,042,592
HOOD FOR DRYING HAIR
Guillaume Ducart, Paris, France
Application June 21, 1935, Serial No. 27,681
In France July 17, 1934
4 Claims. (Cl. 34—26)



1. A hood for drying hair comprising a hollow casing of dished form, and a rotatable fan within said casing and comprising blade elements also of dished form adapted to describe a surface of revolution which surrounds the hair to be dried during rotation of the fan.

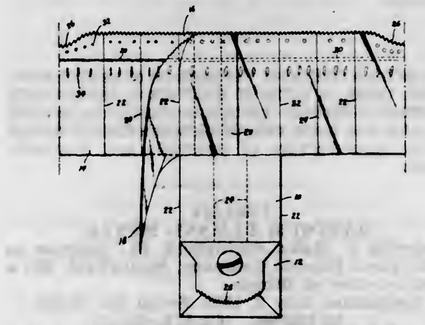
2,042,593
RUPTURE RELIEF BELT
Lewis A. Fritsch, Cincinnati, Ohio
Application October 3, 1933, Serial No. 692,015
3 Claims. (Cl. 128—100)



1. A rupture relief appliance comprising a belt having ends, pads on the intermediate portion

of the belt, separable fasteners extending through the belt and holding the pads on the belt and comprising parts exposed on the front of the belt, the ends of the belt having means for detachably connecting said ends with said exposed parts of the separable fasteners, a member secured to the inner surface of the belt, intermediate the ends of the belt, and forming a pocket on the belt, said member having openings, the pads extending through the openings, and a spring plate removably mounted in the pocket, the separable fasteners connecting the pads to the plate.

2,042,594
SEEPPROOF BAG
Charles W. Fry, East Orange, and Herbert L. Ruff, Roselle Park, N. J., assignors to Continental Paper & Bag Corporation, New York, N. Y., a corporation of Delaware
Application February 27, 1935, Serial No. 8,432
7 Claims. (Cl. 229—55)

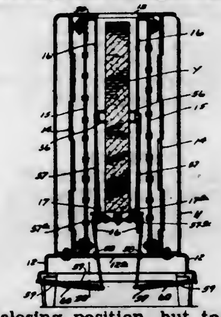


1. A bag for use in the packaging of coffee and other materials comprising, a tubular member longitudinally folded so as to provide gussets, said member being composed of an outer ply of absorbent paper and an inner ply of non-absorbent material, the edge of the bag mouth being inwardly notched below the end of the bag at at least one point, and a line of adhesive placed between the plies adjacent the mouth of the bag and joining the plies together, said line of adhesive being spaced inwardly of the mouth of the bag and below the innermost reach of said notch.

4. A bag for use in the packaging of coffee and other materials comprising, an outer ply of absorbent paper, and an inner ply of non-absorbent paper, a line of adhesive therebetween adjacent to and parallel to the mouth of the bag, said line of adhesive being spaced from the edge of the bag mouth, a plurality of spaced spots of adhesive between the plies interposed between said line of adhesive and the edge of the bag, and a plurality of other spots of adhesive between the plies positioned along the opposite side of said line of adhesive.

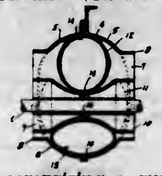
2,042,595
APPARATUS FOR TOASTING BREAD, ETC.
Maurice H. Graham, St. Louis Park, Minn.
Application November 13, 1931, Serial No. 574,894
9 Claims. (Cl. 219—19)

1. In an apparatus for cooking substances that contain a variable amount of moisture, an electrical heat radiator, a supply circuit therefor, a normally open switch in said supply circuit, a shunt of relatively high resistance connected across said supply circuit and including an electro-magnet and spaced electrodes, said electrodes being arranged to contact with the substance being cooked to thereby include said substance in said shunt circuit, and said electro-magnet when fully energized serving to hold said switch



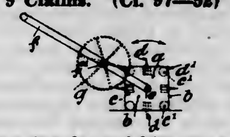
in circuit-closing position, but to automatically permit opening of said switch and supply circuit when the increasing electrical resistance due to decreasing moisture content in the substance has reduced the current flow through said shunt and electro-magnet to a predetermined point.

2,042,596
PNEUMATIC SUSPENSION
René Gouirand, New York, N. Y.
Application June 11, 1932, Serial No. 616,627
19 Claims. (Cl. 280—124)



1. A vehicle comprising a running gear, and a frame, in combination with a pneumatic suspension system embodying pneumatic cushioning means connecting the running gear and the frame at opposite sides of the frame, a conduit connecting the cushioning means at one side of the frame to the cushioning means at the other side thereof to permit the passage of fluid under pressure from one cushioning means to the other, a constricted orifice included in said conduit for controlling the passage of air under pressure therethrough, and at least one clearance chamber communicating with the conduit on each side of said air controlling means, said pneumatic suspension system being hermetically sealed with respect to the outer atmosphere during the normal operation thereof.

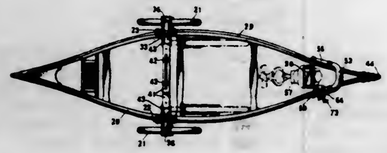
2,042,597
PRICKING OR AERATING IMPLEMENT
William Hargreaves, Timperley, England
Application July 6, 1935, Serial No. 30,071
In Great Britain July 24, 1934
9 Claims. (Cl. 97—52)



1. An apparatus for pricking or aerating turf by substantially vertical penetration comprising

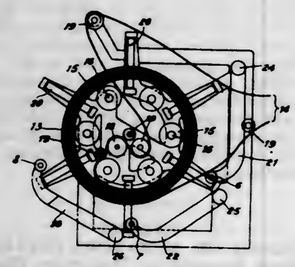
a rotatable heavy body, means to roll same over the ground and distinguished in that the rotatable heavy body is itself of a non-circular shape so that its centre rises and falls alternately during rolling action, said non-circular rolling heavy body having properly located prickers applied thereto which during operation it inserts substantially vertically into the ground, and plucks out substantially vertically, all with the object of assisting insertion and withdrawal of the prickers and to minimize tearing of the turf.

2,042,598
BOAT ATTACHMENT
James Willard Harvey, Winthrop, Maine
Application July 19, 1934, Serial No. 735,964
19 Claims. (Cl. 115—1)



1. A bracket of the character described having a base plate adapted to attachment to a boat rail at various angles, flanges projecting upwardly transversely to the rail, outwardly and downwardly projecting side flanges with an abutment between them, a bearing member pivoted between the upwardly projecting flanges to rotate on an axis extending longitudinally of the rail, an arm pivoted in the bearing member on an axis at right angles to the axis of the bearing member and adapted to rest against said abutment between the side flanges and a latch for holding said arm between said side flanges.

2,042,599
ENDLESS FILM REEL
Hugo Heinis, Geneva, Switzerland
Application August 14, 1933, Serial No. 685,108
In Switzerland August 18, 1932
18 Claims. (Cl. 88—18.7)

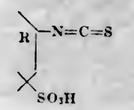


2. A device for winding endless bands such as cinematograph films and the like in which a loop is disposed outside of the device comprising means for supporting a coiled band with the layers thereof in superposed spiral relation, means for winding said bands at the center thereof and unwinding the same from the periphery thereof, a plurality of pivoted rotary compressing elements located so as to act against the exterior spirals of said band and means for operating said rotary elements alternatively.

2,042,600
ISOTHIOCYANATE SULPHONIC ACIDS
Josef Hilger, Leverkusen-I. G.-Werk, Anton Ossenbeck, Cologne-Mulheim, and Ernst Tietze, Cologne-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 29, 1933, Serial No. 678,310. In Germany July 23, 1932
9 Claims. (Cl. 260—99.10)

1. The process which comprises causing thiophosgene to react upon a compound of the group consisting of aromatic aminosulphonic acids in an aqueous mineral acid medium at temperatures between about 15 and 50° C.

8. Isothiocyanate sulphonic acids of the general formula:

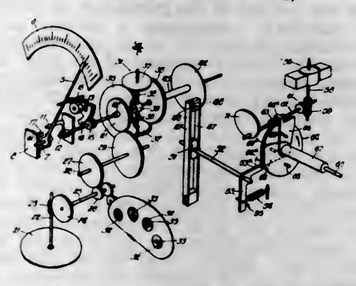


wherein



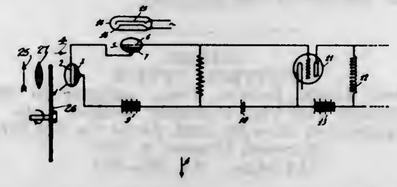
stands for a radical of the benzene or naphthalene series, being in form of their alkali metals salts generally colorless, crystalline substances, soluble in water and being valuable intermediate products in the manufacture of dyestuffs and synthetic drugs.

2,042,601
MAXIMUM DEMAND METER
Frederick C. Holtz, Springfield, Ill., assignor to Sangamo Electric Company, Springfield, Ill., a corporation of Illinois
Application July 3, 1935, Serial No. 29,603
19 Claims. (Cl. 171—34)



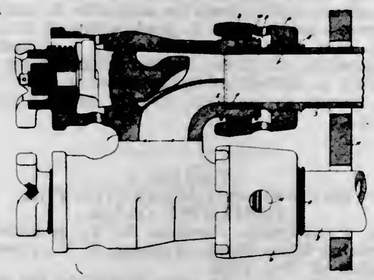
16. A maximum demand meter comprising a maximum demand indicator, an advancing member therefor adapted to be reset independently thereof, an electric motor, differential gear mechanism for transmitting motion from said electric motor to said advancing member, a brake associated with said differential gear mechanism controlling the resetting of said advancing member, a brake control device, time responsive means, a power member driven by said time responsive means with a substantially constant motion at one speed, said power member having rotary motion in a path spaced from said brake control device, and a filler member driven by said time responsive means with an intermittent motion and at a slower speed than said power member, said filler member being automatically interposed between said power member and said brake control device at predetermined time intervals whereby said power member is enabled to transmit motion to said brake control device.

2,042,602
PHOTOELECTRIC AMPLIFYING SYSTEM
August Karolus, Leipzig, Germany, assignor to Radio Corporation of America, a corporation of Delaware
Application January 27, 1930, Serial No. 423,592
In Germany February 19, 1929
15 Claims. (Cl. 178—6)



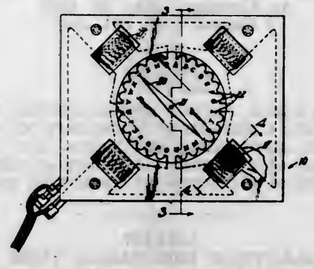
1. In a system for amplifying currents produced in accordance with varying intensities of light and shadow influencing a light translating element, a light translating element responsive to varying intensities of light and shadow, a second light responsive device connected in series with said first light responsive element, and means to control cyclically the output from the second light responsive device for interrupting the output from the first light responsive element at a predetermined cyclic rate.

2,042,603
TUBE CONNECTING DEVICE
Frederick E. Key, St. Louis, Mo., assignor to Key Company, a corporation of Missouri
Application February 14, 1935, Serial No. 6,423
4 Claims. (Cl. 285—145)



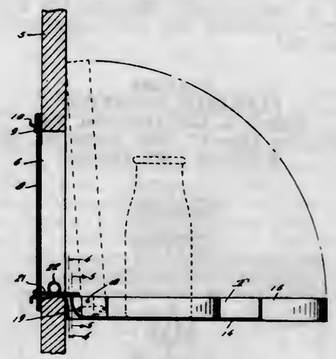
1. A device for connecting adjacent ends of adjacent tubes of uniform inside diameter throughout and having thin walls provided with smooth end walls and with smooth outer walls around their end portions comprising a U-bend having sockets in its ends of the same inside diameter as the outside diameter of said end portions and provided with smooth inner peripheral walls and receiving said end portions of said tubes and having smooth walls at the ends of said sockets abutting against the ends of said tubes and cooperating with all of said smooth walls to form leak-proof joints, the inside diameter of said tubes and said U-bend at said joints being equal, upset thickened portions formed circumferentially around said tubes a distance from the ends of said smooth wall end portions that extend into said sockets and having threads thereon wholly beyond the peripheries of the tubes, and differential sleeve couplings screwed on said threads on said tubes and on differential threads on adjacent ends of said U-bend and holding said end walls of said sockets clamped closely against said ends of said tubes.

2,042,604
PROJECTOR SLIDE
Edward S. King, Chicago, Ill.
Application July 8, 1935, Serial No. 30,225
7 Claims. (Cl. 273—141)



1. A stereopticon slide comprising a pair of spaced parallel transparent plates, a rotor constituting a hand pivotally secured to one of said plates and capable of rotation between said plates, and electrical means provided in the interspace between said plates for causing said rotor to rotate.

2,042,605
TRAP HOLDER FOR MILK AND OTHER BOTTLES
Charles L. Knapp, Shenandoah, Pa.
Application February 15, 1936, Serial No. 64,115
3 Claims. (Cl. 20—1.11)



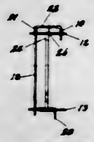
1. In combination, a wall having an opening, a closure panel on one side of the wall for the opening hingedly mounted at the upper end thereof, an arcuate tray, means for hingedly mounting the ends of the arcuate tray on the other side of the wall below the opening, one end immediately below the opening and the other spaced laterally therefrom, said means including stops whereby the tray may be disposed in a substantially horizontal position and may be swung to an upright position leaning against the inner side of the wall, and means on the tray cooperating with additional means on the closure panel whereby when the tray is in a horizontal position said closure panel cannot be opened from the outside.

2,042,606
VARIABLE RESISTOR UNIT
Paul Kotowski, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application May 11, 1933, Serial No. 670,438
In Germany May 26, 1932
2 Claims. (Cl. 201—50)



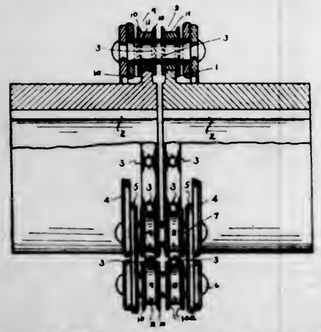
1. A variable resistor unit comprising rubber formed into a plurality of filamentary bodies, and a coating surrounding said bodies, said coating consisting of a mixture of rubber solution and fine particles of pulverulent conducting material.

2,042,607
ELECTRON DISCHARGE TUBE
Walter L. Krahl, Swampscott, Mass., assignor to Hygrade Sylvania Corporation, Salem, Mass., a corporation of Massachusetts
Application July 17, 1935, Serial No. 31,764
9 Claims. (Cl. 250—27.5)



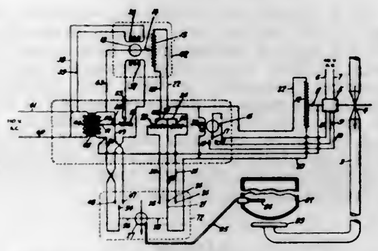
1. A filament assembly for space discharge tubes comprising an insulator member, a guide rod mounted for sliding movement through said member, said rod having a projection engaging said member to prevent said rod turning, a hook carried by said rod and engaging the filament, and means engaging said rod to maintain said filament taut.

2,042,608
FLEXIBLE COUPLING
Arthur L. Lee, Oakmont, Pa.
Application June 27, 1935, Serial No. 28,624
6 Claims. (Cl. 64—19)



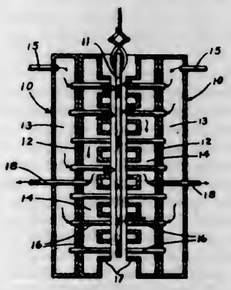
1. In a flexible coupling for two shafts arranged in approximate axial alignment with each other comprising a toothed sprocket on each of the shafts, and a sprocket-encircling chain formed of transverse elements with connecting links therebetween; rollers mounted in pairs on said transverse elements and associated respectively with the two sprockets of the coupling, at least one of each pair of rollers being free on the transverse elements and dimensioned to provide space for movement of the roller along its transverse element and having a peripheral sprocket tooth-embracing concavity, providing engagement between the roller and a sprocket tooth and tending to cause shifting movement of the roller on its transverse element under force exerted on the roller by its associated sprocket teeth in changing relative angular position of the sprockets.

2,042,609
CONTROL DEVICE
Robert Lewis, Denver, Colo., assignor to The Denver Fire Clay Company, Denver, Colo.
Application June 28, 1932, Serial No. 619,701
Renewed October 9, 1934
14 Claims. (Cl. 236—69)



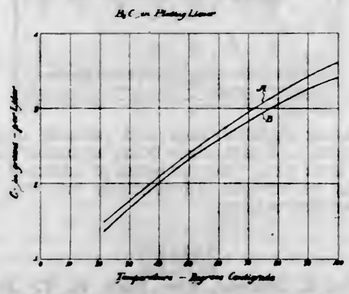
7. Temperature control mechanism comprising a temperature sensitive element, a heater disposed to affect said element, an electrical circuit controlling said heater, a motor actuated by said element and controlling the current in said circuit, means apart from the motor to increase or decrease said current a predetermined amount when said element is affected by a change in temperature, and the motor progressively increasing or decreasing the amount of current in said circuit in addition to said predetermined amount.

2,042,610
METHOD AND APPARATUS FOR TEMPERING GLASS
Jesse T. Littleton, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application June 17, 1933, Serial No. 676,371
4 Claims. (Cl. 49—45)



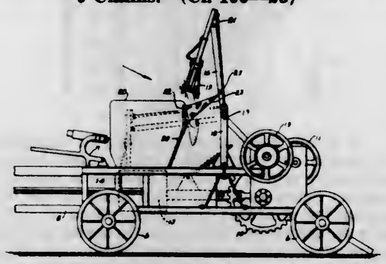
4. In an apparatus for tempering glass, a plurality of air blast nozzles terminating in close proximity to the plane of the glass and directed substantially perpendicularly thereto and an eduction nozzle surrounding each blast nozzle.

2,042,611
CONTROL OF CHROMIUM PLATING SOLUTIONS
Hiram S. Lukens, Philadelphia, Pa., assignor to United Chromium, Incorporated, New York, N. Y., a corporation of Delaware
Application February 8, 1932, Serial No. 590,688
27 Claims. (Cl. 204—1)



1. The method of maintaining the concentration of an acid radical catalyst in a chromium plating liquor containing chromic acid within a desired range of concentration, which consists in keeping the liquor in continuous contact with the solid phase of a selected compound of the catalyst acid radical and a metal or non-acid radical, the solubility of the compound in the plating liquor being such as to give the liquor, when saturated with the compound, a catalyst content within the desired range.

2,042,612
BALING PRESS
Wallace F. MacGregor, Racine, Wis., assignor to J. I. Case Company, Racine, Wis., a corporation
Application February 8, 1935, Serial No. 5,531
9 Claims. (Cl. 100—25)



1. In a baling press, a reciprocating feeder-head, mechanism for actuating the feeder-head, and a flexible and collapsible baffle positioned exteriorly of the press between the feeder-head and actuating mechanism for preventing material entering the latter.

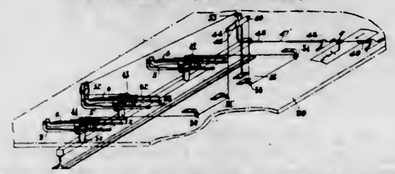
2,042,613
DISCHARGE MECHANISM FOR AUTOMATIC FIREARMS
Niccolo Mancini, Florence, Italy
Application May 26, 1933, Serial No. 672,930
In Germany February 28, 1933
6 Claims. (Cl. 42—69)

1. In a discharge mechanism for automatic fire-arms, a bolt, a bolt-casing surrounding said bolt, a pivot carried by said bolt casing, a double-armed locking lever rotatably mounted on said pivot, one arm of said locking lever being adapted to engage a recess formed in said bolt, whereby said bolt is locked, another pivot carried by the other arm of said locking lever, a hammer ro-



tatably mounted on the second-mentioned pivot, and resilient means connected with said hammer and said locking lever.

2,042,614
RAILWAY TRACK GAUGE
André Ernest Maurin, Paris, France
Application January 19, 1933, Serial No. 652,576
In France November 28, 1932
7 Claims. (Cl. 33—144)

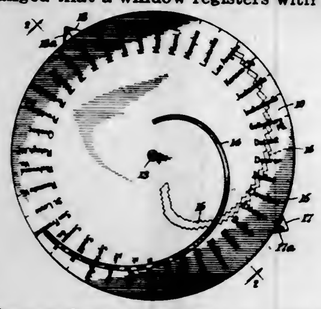


1. An apparatus for obtaining an indication of the out-of-line of a railway rail and transmitting the indication to a recording station, comprising three spaced shoes supported in contact with one side of the rail and adapted to be shifted laterally by defects in the alignment of the rail, means for transmitting movement of the two outside shoes to two ends of a floating lever, a Bowden sheath having one end connected to the fulcrum of the lever, and a wire passing through said sheath having one end connected to the central shoe and the other end attached to an anchored spring, a stylus attached to said wire adjacent its point of connection to the spring, the other end of said Bowden sheath being connected to a record-support over which said stylus moves.

2,042,615
INDICATOR
William L. Maxson, Pipestone, Minn.
Application December 15, 1933, Serial No. 702,470
6 Claims. (Cl. 40—70)

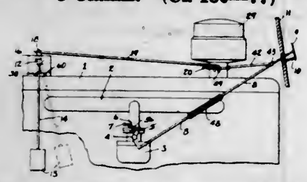
1. A device of the character described comprising three superposed concentric disks connected together for relative rotation, the upper disk having a spiral slot and having uniformly spaced reference points along its periphery representing units, the lower disk having an equal number of lines of numbers arranged along curves identical with said spiral slot, the numbers in each line representing relationships between a given unit and all the units, and reference lines on the mid

dle and lower disks, the middle disk having a series of windows successively corresponding to successive equal portions of said spiral slot and so arranged that a window registers with the slot



over the number representing the relationship between two units when the reference lines on the lower and middle disks are in register with reference lines on the upper disk representing said units.

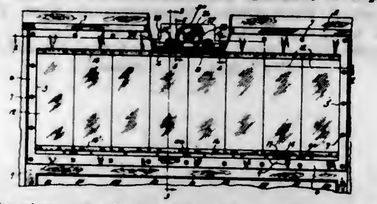
2,042,616
AUTOMATIC SPARK ADJUSTER
Henry J. De N. McCollum, Evanston, Ill.
Application February 24, 1933, Serial No. 658,381
Renewed October 31, 1935
8 Claims. (Cl. 180—77)



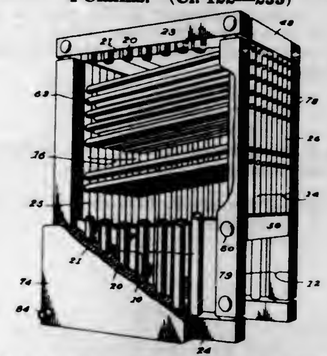
1. In a spark timing apparatus for a gas propelled motor car having adjustable rotary circuit breakers normally set to produce the spark igniting the cylinder-charge somewhat in advance of the dead center position of the crank of the engine propelling said car, the combination of mechanism comprising an element of substantial weight so mounted on said car as to be movable longitudinally thereof, with means actuated by said weight element operative to retard the spark whenever said weight element moves toward the rear of the said car; whereby, whenever the said car is started forward or has its motion in that direction substantially accelerated, the temporary lag in motion of said weight element will contemporaneously retard the spark.

2,042,617
ADJUSTABLE LOUVER
James E. Murphy, Helmuth W. Schmitz, and Alexander M. Peabody, Seattle, Wash.
Application January 22, 1934, Serial No. 707,690
1 Claim. (Cl. 98—121)

In a louver construction, a metallic frame structure fitted in a wall opening and having top and bottom sills said bottom sill having an upturned flange along its inner edge, a rail fixed lengthwise of the sill and spaced from the flange, and provided with drainage ports therethrough from its inner to its outer side, a plurality of louver panels arranged vertically in said frame and having mounting pivots centrally at the upper and lower ends; the lower pivots being mounted in said rail and the upper pivots extending through said top sill, gear wheels fixed on said pivots above the top sill, a rack bar slidable on said sill and meshing with said gear wheels, manual means for shifting the rack to effect rotative adjustment of the louver panels; said panels having parallel axes and parallel opposite side edges, and said edges being arcuately curved about their axes, whereby edges of adjacent panels may be brought substantially into line contact for film sealing.



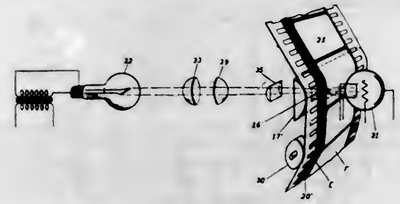
2,042,618
BOILER
Thomas E. Murray, New York, N. Y.; Joseph Bradley Murray, Thomas E. Murray, Jr., and John F. Murray, executors of said Thomas E. Murray, deceased, assignors to Metropolitan Engineering Company, a corporation of New York
Application May 31, 1923, Serial No. 642,427
4 Claims. (Cl. 122—235)



1. A steam generator including in combination approximately horizontal water tubes heated by convection and a furnace having a combustion chamber below said over head tubes, a wall of said combustion chamber being composed of substantially upright tubes connected into the circulation of the generator, said tubes being spaced apart a distance not substantially greater than their diameter, and metal extensions from said tubes united thereto with good heat conducting joints and practically closing the spaces between them but being free to move separately, so that only the tubes and extensions are exposed to the heat of the burning fuel and the two together constitute the wall heated only on its inner face, the other surface of such wall being covered with insulating material.

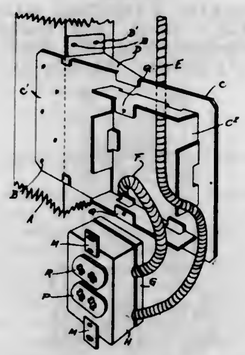
2,042,619
NOISELESS RECORDING
Theodorus H. Nakken, New York, N. Y., assignor to Nakken Patents Corporation, a corporation of Delaware
Application July 30, 1932, Serial No. 626,380
1 Claim. (Cl. 179—100.3)

In combination in noiseless sound projection apparatus, an exciter lamp; a single light sensitive device; a sound record band adapted to travel between said exciter lamp and said single light sensitive device, all of which band is opaque to the passage of light rays except appropriately spaced and appropriately sized translucent portions cor-



responding to the sound recorded; and an optical system for projecting the light rays from said exciter lamp and causing them to impinge against substantially the full width of said band and to pass through all of the translucent portion of said band and to said single light sensitive device.

2,042,620
ELECTRIC CIRCUIT TERMINAL STRUCTURE
John D. Noyes, Detroit, Mich., assignor to The Detroit Edison Company, Detroit, Mich., a corporation of New York
Application September 13, 1932, Serial No. 632,981
2 Claims. (Cl. 247—15)



1. Flush type electric wiring apparatus for connection to flexible armoured cable adapted for mounting in a wall and support by a bracket attached to a structural building member and having a plurality of angularly disposed flanges providing a substantially rectangular walled opening for said apparatus, the combination of an insulating receptacle block having front and rear vertical sides, electric service means mounted within said block and being available from the front side thereof, terminals recessed in the rear side of said block for electrical connection to said cable, said block being channelled from one edge to the terminal recess, a second or cover block having one face correspondingly channelled whereby a close fitting passage is provided for the cable armour when the blocks are secured together, means straddling the channel in the first block to grip the cable when the blocks are secured together, means for securing said blocks together and means on the first block for attachment to said bracket.

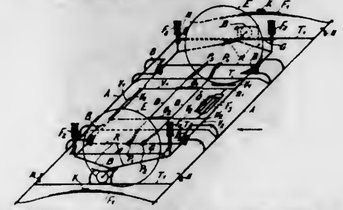
2,042,621
ALKYLOL AMINES
John F. Olin, Philadelphia, Pa., assignor to The Sharples Solvents Corporation, Philadelphia, Pa., a corporation of Delaware
No Drawing. Application January 16, 1934, Serial No. 706,834
6 Claims. (Cl. 260—127)

1. As a new chemical compound, a bis-amyl amino derivative of glycerol.

5. As a new chemical compound, 1-mono-amyl amino propane 2,3, diol.

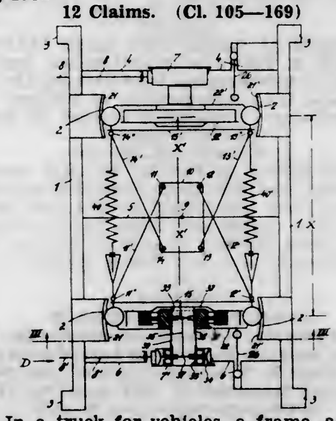
6. As a new chemical compound 1,3 bis-amyl amino 2-propanol.

2,042,622
GUIDE WHEEL FOR VEHICLES
Louis-Eugène-Widolt Montrose-Oster, Karlsbad, Czechoslovakia
Application May 6, 1931, Serial No. 535,532
In Germany September 10, 1929
6 Claims. (Cl. 105—169)



1. A vehicle, comprising in combination a plurality of frames, a pair of wheels, each wheel being mounted in one of said frames, two symmetrically disposed axes, means for swinging said frames with their respective wheels around one of said axes, and guide means for parallelly guiding said frames, the last-mentioned means maintaining the same length of the gauge during the passage of the vehicle through a curve.

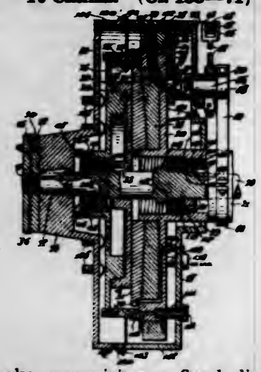
2,042,623
PIVOTED WHEEL FOR VEHICLES
Louis-Eugène-Widolt Montrose-Oster, Carlsbad, Czechoslovakia
Original application May 6, 1931, Serial No. 535,532. Divided and this application June 17, 1933, Serial No. 676,250. In Germany January 10, 1931
12 Claims. (Cl. 105—169)



1. In a truck for vehicles, a frame, a pair of casings, a pair of bridges, each bridge extending around a separate casing, each casing containing

the journals of a wheel; and a distancing mechanism interposed between said frame and said bridges, said distancing mechanism comprising a movable member carried by said frame and a plurality of guide rods connected with said member and said bridges, the connecting points of said member being so selected as to always keep constant the running gauge of two wheels, the distance of the virtual pivoting points of the wheels being increased in function of the pivoting of said wheels.

2,042,624
BRAKE
Norman W. Pearson, Hatboro, Pa.
Application March 17, 1933, Serial No. 661,277
10 Claims. (Cl. 188—71)



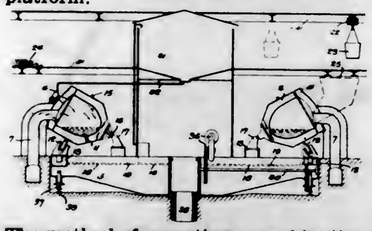
8. A brake comprising a fixed disc having a peripherial flange, a closure fixed to the flange forming a completely closed oil chamber, a journal extending through the disc and closure and provided with oil restraining packing, interacting cone and cup members within the chamber, one of which is carried by and rotates with the journal and one carried by and held against rotation by a part of the chamber structure, one of said members being movable longitudinally of the journal, means within the chamber to effect said longitudinal movement, and means externally of the chamber to apply stress to actuate the said effecting means.

2,042,625
METHOD OF PRODUCING LEAD ALLOYS
Fernando B. Peterman, East Chicago, Ind., assignor to International Lead Refining Co., East Chicago, Ind., a corporation of Indiana
No Drawing. Application October 28, 1933, Serial No. 695,665
11 Claims. (Cl. 25—166)

1. The method of forming an alloy comprising copper and lead which comprises subjecting a molten bath containing metallic lead to the action of a copper salt other than a chloride and a metal chloride capable of reacting with the copper salt to form a copper chloride.

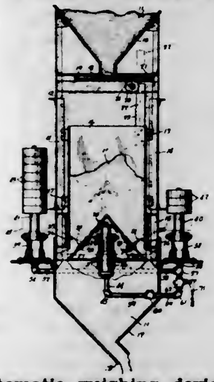
2,042,626
COMBINATION FURNACE
Herbert Pontsen, Heilbronn-on-the-Neckar, Germany, assignor to American Lurgi Corporation, New York, N. Y., a corporation of New York
Application September 27, 1934, Serial No. 745,750
In Germany September 30, 1933
3 Claims. (Cl. 266—38)

1. A combination furnace for treating metals and ores which comprises a rotatable platform; a plurality of ellipsoid rotary furnaces mounted on said platform; and charging, heating, casting and auxiliary means for keeping the furnaces in operation arranged around said platform and capable of selective connection to the furnaces when the relative position of the furnaces and of said means is properly adjusted by a rotation of said platform.



3. The method of operating a combination furnace for conducting metallurgical procedures which comprises establishing a plurality of furnaces on a platform in a circle, bringing one of said furnaces in alignment with a charging station to charge said furnace with raw material, subjecting said charged furnace to heat, treating the heated charge to convert the same into a treated condition, rotating said platform to move the said charged furnace to a discharging station while moving a second furnace to said charging station, discharging said charged furnace, charging said second furnace, and repeating the aforesaid operations.

2,042,627
AUTOMATIC WEIGHING MACHINE
Frank J. Quinn, Upper Darby, Pa.
Application September 26, 1934, Serial No. 745,576
13 Claims. (Cl. 249—2)



1. An automatic weighing device comprising a receptacle moving between fixed limits, means to load variable loads into the receptacle at one limit and start the movement under variable load, means to discharge the load at the opposite limit, and means to mechanically register the weight of the load, functioning at a point intermediate the limits.

2,042,628
RING AND TRAVELER FOR SPINNING AND TWISTING FRAMES
Ralph Ragan, Atlanta, Ga., assignor to Steel Heddle Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 18, 1935, Serial No. 16,954
17 Claims. (Cl. 118—59)

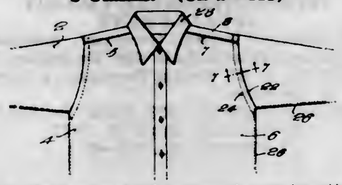
1. A spinning ring having an inner frusto-conical bearing surface adapted to be engaged by a

portion of a traveler, said ring also having at the top a flange extending angularly inward from the upper edge portions of said bearing surface to limit the upward displacement of a traveler



mounted on the ring, and a flange extending angularly inward from the lower edge portions of said bearing surface to limit the downward displacement of the traveler.

2,042,629
GARMENT CONSTRUCTION
John B. Ransom, Rensselaer, N. Y., assignor to H. D. Bob Company, Inc., New York, N. Y., a corporation of New York
Application December 13, 1934, Serial No. 757,354
8 Claims. (Cl. 2—115)

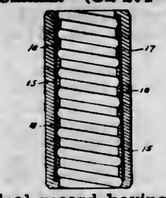


1. In the process of garment construction, the steps comprising hemming the top of the sleeve, sewing the sleeve into the armhole with the right faces together and stitching down the hemmed edge to the garment.

2,042,630
MANUFACTURE OF 6-BROMO-2,4-DINITRANILINE
Gustav Reddelien, Leipzig, and Heinrich Ohlendorf, Dessau in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 27, 1933, Serial No. 677,954. In Germany July 2, 1932
3 Claims. (Cl. 260—130.5)

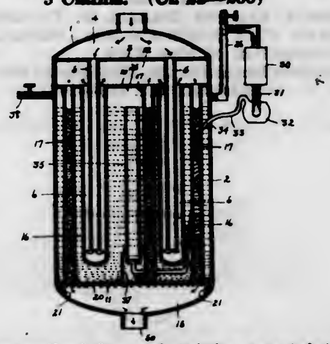
1. In the manufacture of 6-bromo-2,4-dinitraniline by treating 2,4-dinitraniline with bromine, the steps which comprise suspending the parent aniline compound in water and introducing liquid bromine into the suspension kept in an intensive whirling motion.

2,042,631
REENFORCED PHONOGRAPH RECORD
Herman Reffelt, Brooklyn, and Charles Cagnon, New York, N. Y.
Application May 16, 1935, Serial No. 21,736
3 Claims. (Cl. 274—44)



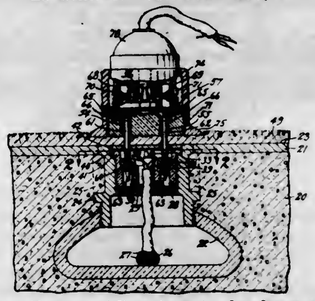
1. A cylindrical record having a tapered bore and a reenforcing member imbedded in the material of which the record is molded; said reenforcing member comprising a relatively open-meshed knitted sleeve made of absorbing material.

2,042,632
METHOD OF EFFECTING A CONSTANT TEMPERATURE OF A CATALYTIC REACTION
Blythe M. Reynolds, Utica, N. Y., assignor to Heyden Chemical Corporation, New York, N. Y., a corporation of New York, and American Cyanamid Company, New York, N. Y., a corporation of Maine
Application September 7, 1929, Serial No. 391,076
5 Claims. (Cl. 23—288)



1. The method for maintaining a catalytic reaction between substances in the vapor phase at a constant elevated reaction temperature, said method consisting in preheating the reaction vapors by heat exchange with a non-boiling liquid heat conducting agent, passing the thus preheated reacting vapors over a catalyst arranged in heat exchange relationship with aforesaid nonboiling liquid heat conducting agent, and passing through the mass of the same an inert gas.

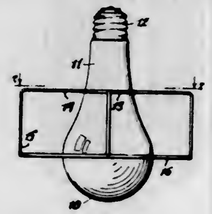
2,042,633
OUTLET
Henry Ferguson Richardson, Northport, N. Y., assignor to Allan Coggeshall and Henry F. Richardson, trustees
Application May 24, 1933, Serial No. 672,523
13 Claims. (Cl. 173—330)



1. An outlet providing terminals above a covering electrically connected therethrough to conductors below the covering without substantial injury to the covering, including a lower member comprising terminals disposed on an insulating body and arranged for connection to the conductors, terminal locating means removably secured to said lower member and arranged to

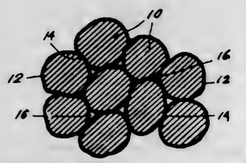
extend through the covering without substantial injury thereto, said locating means being removable from the upper portion of said member, an upper member comprising terminals disposed on an insulating body and having means for cooperating with the locating means to permit the disposition of the terminals on the upper member above the terminals on the lower member, and means for extending through the covering without substantial injury thereto to electrically connect the upper and lower terminals.

2,042,634
GUARD FOR HANGING ELECTRIC LIGHT BULBS
Charles A. Scheeler, Buffalo, N. Y., assignor to Buffalo Wire Works Co., Inc., Buffalo, N. Y., a corporation of New York
Application December 28, 1934, Serial No. 759,456
5 Claims. (Cl. 240—102)



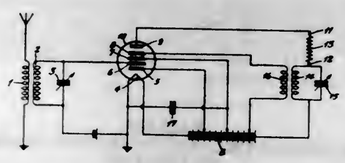
1. A guard for an electric light bulb having a pendant bulbous portion and a relatively thin, elongated contracting neck extending upwardly from said bulbous portion, comprising a support embracing an intermediate portion of said neck and loosely resting thereon and having line contact therewith and light skeleton guard means carried by said support and extending outwardly and downwardly therefrom and unconnected with said bulb, the center of gravity of the guard being below said supporting means whereby upon being struck, the guard tilts and temporarily lifts one side of said supporting means from its seat on said neck to which it returns by gravity following the blow.

2,042,635
POROUS METAL BODY AND PROCESS FOR MAKING IT
Eugene L. Scheliens, Ridgewood, N. J., assignor to The Shellwood-Johnson Company, Paterson, N. J., a corporation of New Jersey
Application September 17, 1932, Serial No. 633,694
4 Claims. (Cl. 75—135)



1. The method of making a porous metal body which consists in thoroughly intermixing discrete particles of a high melting point metal consisting essentially of iron with a lower melting point bonding metal consisting essentially of copper, mixing a non-metallic wet binder with said metals to produce a pasty mass, shaping the mass of the mixture to the desired shape of body without substantially reducing the size of the voids between the particles, heating the shaped mass at least to the melting point of the bonding metal in a reducing atmosphere which facilitates the spreading of the molten metal over and its adherence upon the surfaces of the high melting point metal particles thereby bridging the adjacent metal particles, but without filling the voids between particles, but keeping the temperature below that at which the high melting point particles cohere and also below the alloying temperature of the two metals, and thereafter cooling the mass at least to the freezing point of the bonding metal, whereby to bond together the high melting point metal particles; the amount of the bonding metal being substantially less than sufficient to fill the voids between the high melting point particles so that the voids in the cool metal body are substantially empty and are substantially their original size.

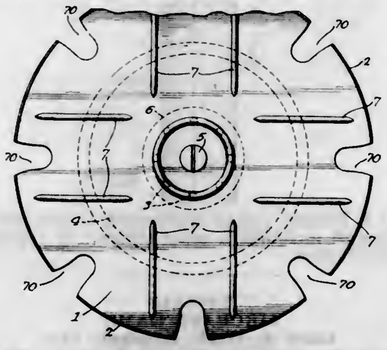
2,042,636
SUPERHETERODYNE CIRCUIT ARRANGEMENT
Otto Schriever, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application April 20, 1933, Serial No. 666,994
In Germany April 27, 1932
2 Claims. (Cl. 250—20)



1. A vacuum tube demodulator for a superheterodyne receiver, comprising a cathode and plate, two control grids located therebetween, means for applying a signal frequency to one of said control grids, a feedback connection between the plate circuit and said second control grid, a coil and condenser connected in series in the plate circuit and forming a circuit resonant to the heterodyne frequency, and means for preventing interaction between said control grids comprising a screen grid interposed between said control grids and a by-pass condenser connected between said screen grid and the cathode.

2,042,637
FOOD CONTAINER UNIT
Lewis H. Souriock, Chicago, Ill.
Application November 7, 1932, Serial No. 641,515
Renewed January 28, 1935
8 Claims. (Cl. 211—77)

1. In a rotary container structure adapted to receive and support a group of circularly arranged containers in which adjacent containers have opposed flat sides, the combination with a base, of a container support rotatably mounted on said base, the periphery of said container support being circular and being provided with upstanding circular flanges, the periphery of said container support being further provided with circumferentially spaced notches forming re-entrant portions exposing a portion of the bottom of each container, said notches forming the sole interruption in the continuity of the circular periphery of the container support and of the upstanding circular flanges, whereby the flanges may engage the lower portions of the containers to resist outward movement of the lat-

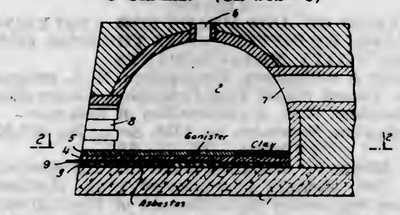


ter, and a plurality of upstanding ridges formed on the upper surface of the container support, said ridges being arranged in pairs, the ridges of each pair being parallel to each other and to a radial line intermediate the ridges and intersecting a notch, whereby said containers may be retained in assembled relation against unintentional displacement circumferentially of said support.

2,042,638
COATED MATERIALS AND METHOD OF PRODUCING SAME
John C. Siemann, Kenmore, N. Y., assignor to Du Pont Cellophane Company, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application November 21, 1929, Serial No. 408,932
19 Claims. (Cl. 91—68)

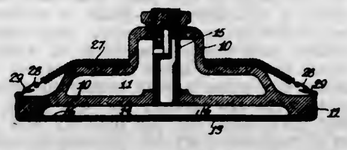
1. An article of manufacture comprising a sheet or film of regenerated cellulose impregnated with a composition consisting essentially of a water-insoluble softener for regenerated cellulose and combined with a moistureproofing composition rendering said article moistureproof, said moistureproofing composition being bonded to the base by said water-insoluble softener, said article being transparent, flexible and non-tacky.

2,042,639
PROCESS OF COKING PITCH
Daniel Tollie Smith, Wylam, Ala., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application February 28, 1933, Serial No. 658,912
3 Claims. (Cl. 202—6)



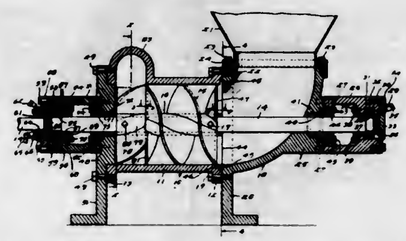
2. The process of coking successive charges of pitch in a beehive oven heated to a temperature such that the floor of the oven is at a temperature of from about 600° F. to about 800° F. which comprises charging coal tar pitch into said heated oven, admitting air into said oven to burn a portion of said coal tar pitch, until said oven floor reaches a temperature falling within a predetermined range of from about 1500° F. to about 2000° F., and the pitch is coked, quenching the resultant coke until the floor of the oven reaches a predetermined temperature within the range of from about 600° F. to about 800° F., removing the coke from said oven and introducing the next charge of coal tar pitch into said oven.

2,042,640
ATTACHMENT FOR GARMENT PRESSING MACHINES
Harry G. Sutton, Syracuse, N. Y., assignor to United States Hoffman Machinery Corporation, New York, N. Y., a corporation of Delaware
Application August 9, 1935, Serial No. 35,549
4 Claims. (Cl. 68—9)



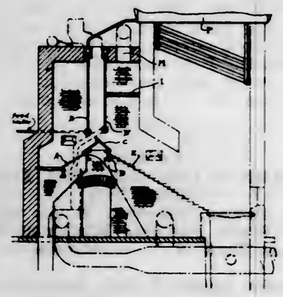
1. In a device of the class described, the combination of a plate having perforations therein and having its marginal portions flanged; a wire screen extending across the under face of said plate and upward along the flanged portion thereof; means for securing said wire screen to said flanged portion; and means for securing the structure thus produced to the head of a pressing element of a garment pressing machine.

2,042,641
PULP AND LIQUID PUMP
Frank F. Victoria, Upland, Calif.
Application November 13, 1934, Serial No. 752,879
2 Claims. (Cl. 103—89)



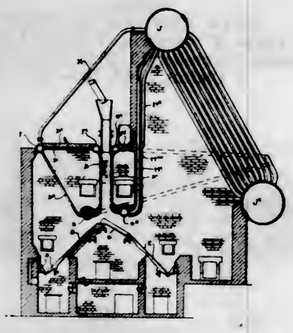
1. A pump as set forth, comprising a casing, an intake member at one end of the casing, a drive shaft journaled in the casing, a spiral conveyor secured to said shaft within the casing, a cutter bar extending diametrically of the casing and having reduced opposite end portions, said casing having recesses to receive said reduced end portions of the cutter bar, said bar at the central portion thereof having an eye loosely engaging about the shaft and said conveyor having keen portions at the end confronting said cutter bar whereby to cut material engaging the intake end of the conveyor to prevent clogging thereof.

2,042,642
FURNACE
Rudolf von Mattekovich, Rosalie, near Brisbane, Queensland, Australia
Application February 18, 1931, Serial No. 516,772
13 Claims. (Cl. 122—371)



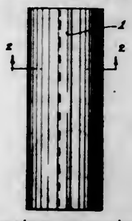
1. In furnaces of the class described, a main fire-grate, a subsidiary fire-grate, a vertical fuel delivery chute between said main and subsidiary fire-grates, said chute consisting of water and air tubes, the water tubes being nearest to the subsidiary fire-grate and in communication and in series with the boiler, the air tubes being suitably perforated for the delivery and distribution of preheated air for combustion over the fuel bed on the main fire-grate.

2,042,643
FURNACE
Rudolf von Mattekovich, Rosalie, near Brisbane, Queensland, Australia
Application May 23, 1934, Serial No. 727,163
In Australia January 23, 1934
20 Claims. (Cl. 122—237)



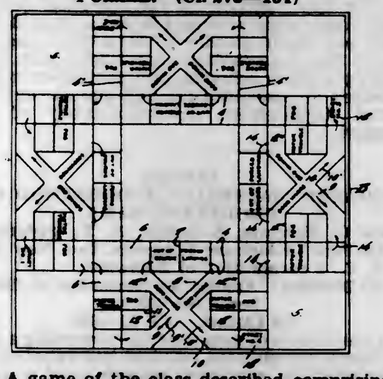
1. In a boiler heating furnace having a main and a subsidiary fire-grate, a fuel delivery chute above and between said main and subsidiary fire-grates for the pre-treatment of fuel prior to its delivery on to the fire-grates, means for providing the ready mingling of the combustible gases with top air in a separate space and the enforced travel of the gaseous mixture over and above the main fire, said separate space being bounded by water tube walls, the tube wall facing the main fire being partly exposed to radiant heat from the main grate, and partitioning refractory tiles mounted on said tube wall facing the main fire-grate.

2,042,644
SAUSAGE CASING
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application April 4, 1934, Serial No. 718,953
19 Claims. (Cl. 99—176)



1. A sausage casing comprising a thin, cellulosic wall including a seam secured by regenerated cellulose.

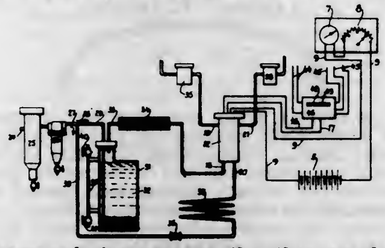
2,042,645
AIRCRAFT GAME
Lucile E. Webb, Lakeland, Fla.
Application November 29, 1933, Serial No. 700,292
4 Claims. (Cl. 273—134)



1. A game of the class described comprising a board having an irregularly shaped path thereon divided into blocks and over which playing pieces are adapted to be moved and a pair of short paths on the board, one leading from one block forwardly to a block a certain number of blocks in advance of said one block and the other short path leading from another block to a block a certain number of blocks in rear of the block from which said other short path leads, said short paths shortening the distance traveled by a playing piece or lengthening said distance, according over which short path the piece must move.

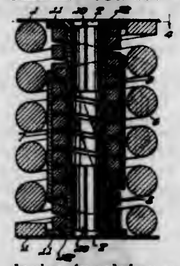
2,042,646
METHOD OF AND MEANS FOR ANALYZING GASES BY DIFFERENTIAL THERMAL CONDUCTIVITY MEASUREMENTS
Walter J. Willenborg, Weehawken, N. J., assignor to United States Fire Protection Corporation, Hoboken, N. J., a corporation of Delaware
Application November 20, 1930, Serial No. 497,000
7 Claims. (Cl. 23—255)

1. Means for analyzing a gas mixture, comprising two thermal conductivity cells, electrical means registering the difference of thermal conductivities of gases passing through said cells, conduits delivering samples of said gas mixture from a common source to said cells, chemical treating means forming part of one of said conduits and adapted to remove one only of the ingredients of said mixture from the sample thereof passing through said one conduit, and



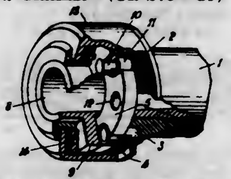
pressure reducing means on the other one of said conduits coordinating the delivery of gas from said conduit to the delivery of gas from said one first conduit.

2,042,647
SPRING DEVICE
William E. Wine, Toledo, Ohio
Application May 3, 1934, Serial No. 723,748
10 Claims. (Cl. 267—9)



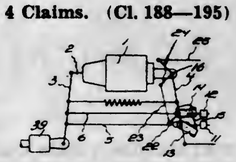
10. A spring device involving a helical spring, friction producing elements respectively engaging the inner side of said spring adjacent the ends thereof, a sleeve frictionally engaging the outer side of the spring, and members disposed at opposite ends of said spring affording seats for the latter and abutments for said sleeve, said friction producing elements normally gripping the interior of the spring and respectively serving to maintain said members in assembled relation with the spring.

2,042,648
FLOATING TOOL HOLDER
William M. Ziegler, Detroit, Mich.
Application September 21, 1934, Serial No. 744,945
2 Claims. (Cl. 279—16)



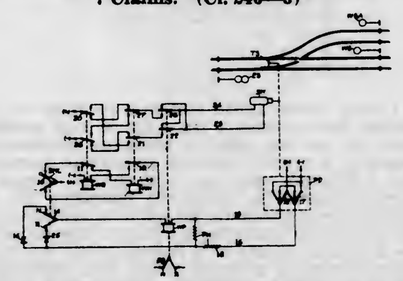
1. A floating tool holder comprising a shank, a tool socket having an external annular flange, a centrally apertured plate surrounding said tool socket between the outer end of said shank and said annular flange of said tool socket, said plate and said tool socket being movable laterally relative to each other and relative to said shank, pin and slot means for guiding said socket for lateral movement relative to said plate and said shank in one direction, further pin and slot means for guiding said socket and said plate for lateral movement relative to said shank in a direction at right angles to said first-named direction, and anti-friction means for spacing said shank and said flange so as to ensure free movement of said plate and said tool socket laterally relative to each other and relative to said shank.

2,042,649
VARIABLE LEVERAGE MECHANISM FOR VEHICLE BRAKES
Bert Henry Browall, Malmo, Sweden, assignor to Svenska Aktiebolaget Bromsregulator, Malmo, Sweden, a corporation of Sweden
Application April 2, 1935, Serial No. 14,335. Renewed April 3, 1936. In Germany January 7, 1935
4 Claims. (Cl. 188—195)



2. In a variable leverage mechanism for vehicle brakes, of the character described, a brake lever, a set of spaced fulcrum bolts on said lever, rods to which said lever is fulcrumed by means of said fulcrum bolts, another set of bolts to which said rods are linked, said rods having elongated slots for the bolts of one of said sets for producing an idle motion between each of said rods and its bolt of this set, an abutment on each of said rods, a pawl pivoted on each of the bolts of the last mentioned set and swingable in and out of active position for coaction with the abutment on the adjacent rod for reducing the idle motion between the rod and the bolt, and means connecting said pawls with each other in such a way that when one pawl is swung in active position the other is swung out of active position, and vice versa.

2,042,650
INTERLOCKING SYSTEM FOR RAILROADS
Charles S. Bushnell, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application December 4, 1934, Serial No. 755,923
7 Claims. (Cl. 246—3)



1. In combination, a railway track switch, a manually operable lever having normal and reverse positions, means responsive to the operation of said lever to its normal and reverse positions for actuating said switch to corresponding posi-

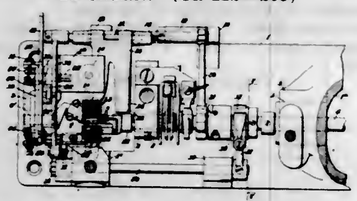
tions, a contactor controlled by the track switch, an indication relay, a pair of asymmetric units, energizing circuits for the indication relay including the lever, the contactor, and the units and completed only when the lever and the contactor occupy corresponding positions, the lever being arranged to include only one said unit in circuit with the lever and the contactor at any one time.

2,042,651

DIFFERENTIAL FEEDING MECHANISM FOR SEWING MACHINES

Andrew B. Clayton, Union, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey

Application April 24, 1935, Serial No. 17,955
10 Claims. (Cl. 112—209)



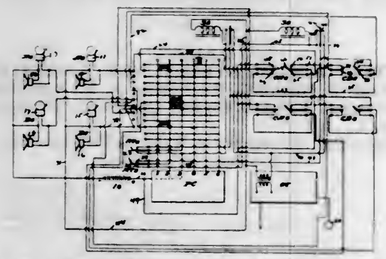
1. In a sewing machine, a main shaft, main and auxiliary feeding mechanisms including main and auxiliary feed-bars with separate and independent supporting means therefor at opposite sides of said main shaft, one of said feed-bars having an arcuate slot, a link connection between said feed-bars, means at one end of said link freely received in said arcuate slot, and means for guiding said link.

2,042,652

TRANSMISSION SYSTEM

Hugo Cohn, New York, N. Y., assignor to Radio Receptor Co. Inc., New York, N. Y., a corporation of New York

Application January 16, 1934, Serial No. 706,901
10 Claims. (Cl. 179—2)



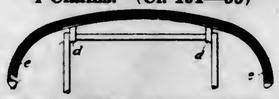
1. In a transmission system a plurality of signaling mechanisms, a plurality of loud speakers each in parallel with a signaling mechanism, means at a remote point for selectively operating the individual signaling mechanisms, means at a remote point for selectively operating the individual loud speakers, means at a remote point for selectively operating a group of the signaling mechanisms, means at a remote point for selectively operating a group of the loud speakers, a program clock for operating the signals at predetermined intervals, and means controlled by the clock for interrupting the operation of the loud speakers and operating the signaling mechanisms and subsequently restoring the operation of the loud speakers.

2,042,653

COLLECTOR FOR ELECTRIC CARS

Ottmar Conradty, Nuremberg, Germany

Application April 23, 1932, Serial No. 607,200
In Germany April 25, 1931
4 Claims. (Cl. 191—55)



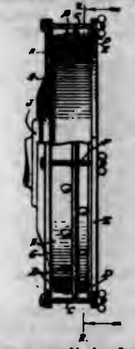
4. A support, and a carbon collector rockingly and eccentrically mounted on said support and having metallic end portions extending laterally beyond the pivotal axis and having carbon pieces fixed to the contact making side thereof and embracing the sides of said end portions.

2,042,654

BRAKE DRUM

Joseph L. Dostal, Flint, Mich., assignor, by mesne assignments, to Kelsey-Hayes Wheel Company, Detroit, Mich., a corporation of Delaware

Continuation of application Serial No. 504,043, December 22, 1930. This application June 20, 1932, Serial No. 618,296.
2 Claims. (Cl. 188—218)



1. A brake drum unit including a sheet metal drum having an annular reinforcing rib at its open end and having hollow projections extending radially outwardly from the drum intermediate its ends, and a liner received against and secured to the inner periphery of said sheet metal drum, said liner filling said hollow projections and extending axially beyond said sheet metal drum.

2,042,655

MATERIAL TREATING AND HANDLING APPARATUS

Joseph D. Ferry, Harrisburg, Pa.

Original application July 16, 1932, Serial No. 622,976. Divided and this application August 14, 1933, Serial No. 685,134
25 Claims. (Cl. 53—7)
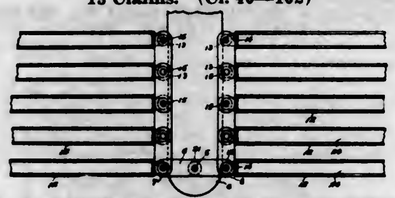


1. In an apparatus of the character specified, a woven wire belt having a plurality of interlocked convolutions, stems threaded through said convolutions, and driving chains having laterally projecting ears, said stems having universal pivotal connection with said ears whereby the drive of the belt is through the ears of the chains and through the stems.

2,042,656

MULTIPLE WING DISPLAY DEVICE

Elmer C. Hake, Covington, Ky.

Application March 1, 1935, Serial No. 8,901
13 Claims. (Cl. 40—102)



1. A multiple wing display device comprising in combination: a plurality of wings for the mounting of material to be displayed, bracket means, a main shaft supported by the bracket means, a plurality of spaced substantially parallel connecting bars each mounted intermediate its ends upon the main shaft for rotation relative to the bracket means, and means for rotationally mounting a wing at opposite corresponding ends of the connecting bars.

2,042,657

PREPARATION OF SOLUBLE PARAFORMALDEHYDE

Wilbie S. Hinegardner, Niagara Falls, N. Y., assignor to E. I. du Pont de Nemours & Company, Inc., Wilmington, Del., a corporation of Delaware

No Drawing. Application April 27, 1934, Serial No. 722,813
11 Claims. (Cl. 252—2)

1. A process for making a formaldehyde polymer composition comprising mixing a formaldehyde solution with a solution of a soluble silicate to form a substantially homogeneous composition of silica gel and formaldehyde polymer.

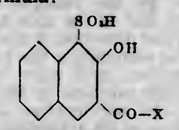
2,042,658

NITRO-DERIVATIVES OF 2-HYDROXYNAPHTHALENE-1-SULPHONIC ACID-3-CARBOXYLIC ACID AND PROCESS OF PREPARING THEM

Ernst Hotz, Hattersheim-on-the-Main, and Wilhelm Luce, Hofheim-on-the-Taunus, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

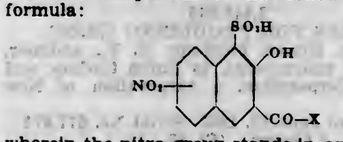
No Drawing. Application July 16, 1935, Serial No. 31,724. In Germany July 21, 1934
4 Claims. (Cl. 260—110)

1. The process which comprises acting with nitrating agents upon compounds of the following general formula:



wherein X stands for a member of the group consisting of hydroxy and alkoxy.

2. The compounds of the following general formula:



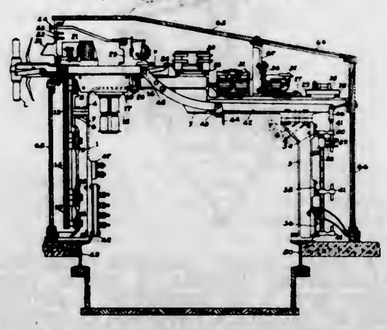
wherein the nitro-group stands in one of the positions 6 and 8, and X stands for a member of the group consisting of hydroxy and alkoxy, being easily soluble in water to a yellow solution, difficultly soluble in organic solvents and having the property of splitting off the sulphonic acid group by treatment with a mineral acid.

2,042,659

INTERLOCKING MACHINE FOR RAILROADS

Winthrop K. Howe, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.

Application July 23, 1929, Serial No. 380,418
22 Claims. (Cl. 246—136)



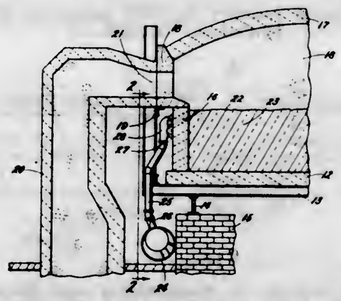
6. In an interlocking machine, a longitudinally slidably operated control lever, a tappet bar operable at an angle thereto, a lever latch, means controlled by said lever latch for directly locking said control lever against movement, and means operably controlling movement of said tappet bar, said last mentioned means governed by said control lever and said lever latch.

2,042,660

WALL COOLING METHOD AND MEANS

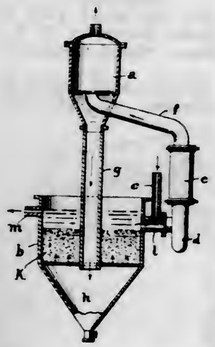
Charles S. Hulton, Cincinnati, Ohio, assignor to The Kirk & Blum Manufacturing Company, Cincinnati, Ohio, a corporation of Ohio

Application January 16, 1936, Serial No. 59,422
10 Claims. (Cl. 263—44)



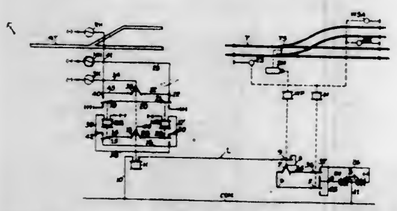
1. The combination with a wall to be cooled, of a pressure main extending along the length of said wall at a distance from the portion to be cooled, branch pipes extending from said main at intervals and disposed adjacent the wall, and nozzles each having divergent series of vertical elongated discharge slots therein and connected with said pipes, said series of slots each directing ribbon-like blasts of air against the wall at an angle to the blasts from adjacent series of slots.

2,042,661
CRYSTALLIZATION APPARATUS
Finn Jeremiassen, Oslo, Norway, assignor to Aktieselskapet Krystal, Oslo, Norway
Application November 4, 1932, Serial No. 641,315
In Norway November 6, 1931
2 Claims. (Cl. 23—273)



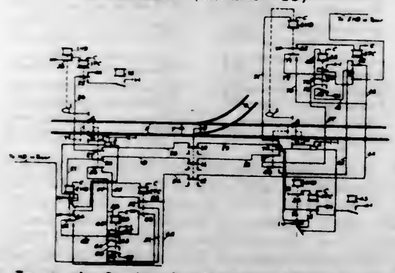
1. A crystal growth apparatus comprising a super-saturating chamber, a crystal growth chamber open to the atmosphere, a perforated bottom for carrying a suspension of crystals, a pump for circulating a solution of the substance to be crystallized, a conduit for the solution to pass from the pump to the super-saturating chamber, the super-saturating chamber being closed, and a conduit for the solution to pass from the super-saturating chamber to the crystal growth chamber terminating at a point below the perforated bottom, the super-saturating chamber being arranged at a considerable height above the crystal growth chamber.

2,042,662
CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS
Thomas J. Judge, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application January 26, 1933, Serial No. 653,679
15 Claims. (Cl. 246—3)



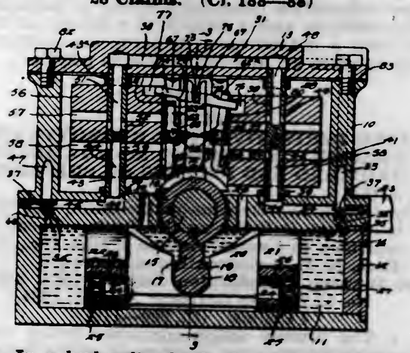
7. A system for transmitting and displaying four distinctive indications of traffic controlling conditions over a single circuit comprising, a single line circuit connecting an office with a distant location, means for continuously energizing said line circuit with current of selected polarities to transmit a first and a second of said indications, means for quickly and slowly shifting the polarity of energization of said line circuit, means responsive to the quick shifting of polarity for transmitting a third and a fourth of said indications, and means for distinctively displaying said indications.

2,042,663
SIGNALING SYSTEM FOR RAILROADS
Ernest B. Kempster, Jr., Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application May 4, 1932, Serial No. 609,186
8 Claims. (Cl. 246—33)



1. In a single track signaling system of the absolute-permissive-block type, the combination with two signals for governing traffic in opposite directions, of a pole changing stick relay associated with each of said signals for when energized pole changing a control circuit for causing the next signal in the rear to indicate caution, and of a pick-up and a stick circuit for each of said stick relays including a back contact of the other of said stick relays.

2,042,664
HYDRAULIC SHOCK ABSORBER
Thomas A. Killman and Robert T. Killman, Nashville, Tenn.
Application October 19, 1933, Serial No. 694,325
28 Claims. (Cl. 188—88)

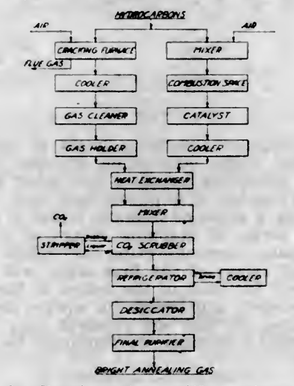


1. In a hydraulic shock absorber for vehicles, means operable by the relative movements of the vehicle body and of the axle for causing the fluid to move in one direction or the other through the body, a valve controlling the passage of fluid under said impulses, said valve being shiftable to a flow retarding position by the combined effect of inertia and acceleration and means for latching the valve in its retarding position until the expiration of a predetermined cycle of movements between the body and the axle.

2,042,665
PROCESS FOR PRODUCING GASES
Augustus B. Kinzel, Flushing, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application June 22, 1933, Serial No. 677,074
2 Claims. (Cl. 23—5)

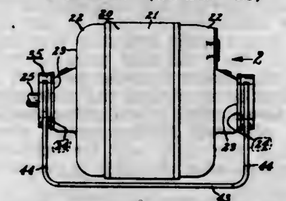
1. Continuous process for producing bright annealing gases which comprises the steps of

mixing thoroughly a hydrocarbon fuel with air; burning the said mixture in the presence of an oxidation catalyst to produce a nitrogen-containing gas free from more than traces of carbon monoxide, oxygen, and hydrocarbons; intermittently thermally cracking hydrocarbons in the absence of air, steam, or other oxygen-containing gas, to produce hydrogen free from more than traces of oxygen, and hydrocarbons; temporarily accumulating the hydrogen so produced to provide a source from which hydrogen can be withdrawn continuously; passing a stream of said hydrogen in heat exchange relationship to,



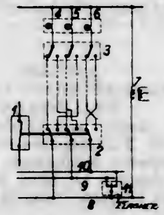
but not in direct contact with, a stream of said nitrogen-containing gas, whereby the two streams are brought to substantially the same temperature; thoroughly mixing in predetermined proportions the said hydrogen and nitrogen-containing gases to form a mixture in which the hydrogen is not more than about 15% of the mixture; scrubbing the last-mentioned mixture with a basic solution whereby to remove substantially all carbon dioxide; refrigerating the scrubbed mixture to remove the major part of the water; and finally desiccating the gas.

2,042,666
MOTOR MOUNT
Bayard D. Kunkle, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 22, 1934, Serial No. 740,933
8 Claims. (Cl. 248—26)



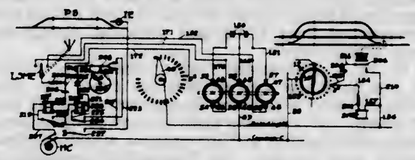
1. In a device of the character described, the combination comprising; a bearing member of non-circular formation in cross section; a shaft journaled in the bearing member; a cushioning block having an aperature of non-circular formation in which the bearing member fits; a splitring about the cushioning block; and a supporting member having a recess open at one side in which the split-ring fits, said ring and support having provisions cooperating with each other for retaining the ring within the recess.

2,042,667
LIVING DIAGRAM
Johann Latzko, Vienna, and Otto Plechl, Paffstatten, Austria, assignors to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland, a joint-stock company of Switzerland
Application March 15, 1930, Serial No. 436,170
In Austria March 19, 1929
7 Claims. (Cl. 177—311)



2. In a system of the character described, the combination with a plurality of indicators, and a source of energy therefor, of means comprising a plurality of devices each adjustable to and from one and another position and having elements operable to conjointly control thereat the operative connection of said source of energy with said indicators, characterized by the fact that the adjustment of each said devices to the one position thereof actuate the said elements thereof to conjointly establish operative connection of said source of energy with one of said indicators, the adjustment of each of said devices to the another position thereof actuate the said elements thereof to conjointly establish operative connection of said source of energy with a second one of said indicators, the adjustment of the said one of said devices to the another position thereof and the adjustment of the said another of said devices to the one position thereof actuate the said elements thereof to conjointly establish operative connection of said source of energy with the said second one and a third one of said indicators, and the adjustment of the said one of said devices to the one position thereof and the adjustment of the said another of said devices to the another position thereof actuate the said elements thereof to conjointly establish operative connection of said source of energy with the said first one and the said third one of said indicators.

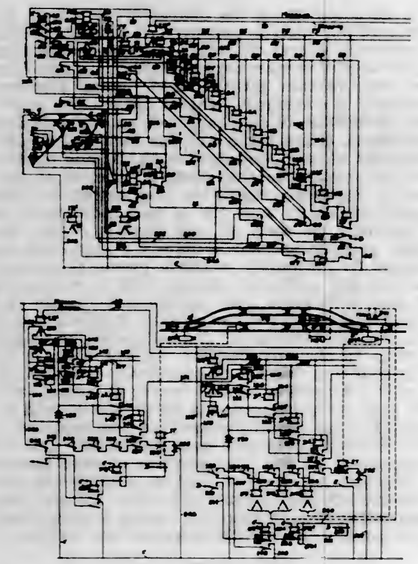
2,042,668
TRAIN DISPATCHING SYSTEM FOR RAILROADS
Richard C. Leake, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application November 22, 1928, Serial No. 321,186
16 Claims. (Cl. 246—3)



11. In a centralized traffic controlling system for railroads, a control office, a plurality of field stations, traffic controlling devices at each field station, a selector type communication system operable step-by-step through cycles of operation and including two line wires connecting said con-

trol office and said field stations, means for transmitting either of two control conditions on each step of a cycle of operation from said control office to said devices at any particular station through the medium of said system and over said two line wires, and means for transmitting either of two indication conditions on each step of a cycle of operation from said particular station to said control office through the medium of said system and over said two line wires simultaneously with the transmission of controls over said two line wires.

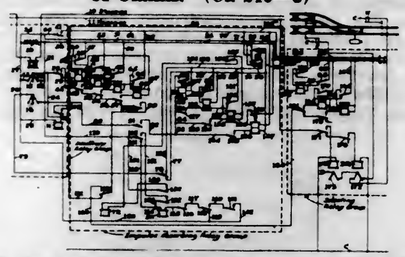
2,042,669
TRAIN DISPATCHING SYSTEM FOR RAILROADS
Richard C. Leake and Robert M. Phinney, Rochester, N. Y., assignors to General Railway Signal Company, Rochester, N. Y.
Application August 14, 1929, Serial No. 385,740
42 Claims. (Cl. 246—3)



29. In a centralized traffic control system for railroads, a control office, a plurality of way stations, a stepping circuit, automatic impulsing means for placing impulses on said stepping circuit, step-by-step means at each of said stations and said control office all operated in synchronism by the application of said impulses to said stepping circuit, and a starting circuit extending between said control office and said way stations capable of being closed at each station only a predetermined time after said stepping circuit has been deenergized.

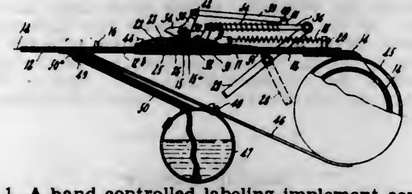
42. In a centralized traffic controlling system of the normally at rest selector type, the combination with a selector system normally at rest, of means for starting said system comprising, a stick relay having a front contact which if closed starts said system, an indicating contact for manifesting traffic conditions, a slow acting repeater relay for repeating the position of said indicating contact, and a pick up circuit for said stick relay closed whenever and only so long as said indicating contact and said repeater relay are out of corresponding positions.

2,042,670
CENTRALIZED TRAFFIC CONTROL SYSTEM
Richard C. Leake, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application March 27, 1930, Serial No. 439,323
33 Claims. (Cl. 246—3)



1. An impulse absorbing group of relays for centralized traffic controlling systems for railways for delivering impulses only after a predetermined number of impulses have been received comprising, a series of stepping relays of the first order, a series of stepping relays of a second order, means interconnecting said relays so that all of said relays of the first order will operate successively for each of the relays of the second order operated, and means for always delivering the impulses as they are received only when a predetermined number of impulses have been absorbed.

2,042,671
LABELING IMPLEMENT
Leonard A. Maclean, Reading, Mass.
Application June 21, 1935, Serial No. 27,709
7 Claims. (Cl. 91—16)



1. A hand controlled labeling implement comprising a wand having means for directing a label strip lengthwise thereof so that a label constituting an end member of the strip may be projected from an end of the wand and there detached, a slide movable forward and backward on the wand a distance substantially equal to the length of the label, strip feeding and strip printing means mounted on the slide, said printing means including a depressible printing member, resilient means normally retracting the slide, and manually operable means for projecting the slide and operating said strip feeding means, during the projection of the slide, and for operating said printing means after the slide is projected.

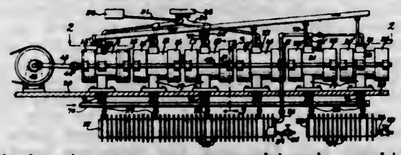
2,042,672
MOUNT FOR CARDS, ETC.
Leonard A. Maclean, Reading, Mass.
Application July 20, 1935, Serial No. 32,296
4 Claims. (Cl. 206—79)

1. A mount for cards and the like composed of a mounting strip of flexible sheet material adapted to consecutively mount a plurality of cards in overlapping relation to each other on a backing member, said strip having a gum coating on its rear side, a non-adhesive front side, and a plurality of transverse incisions defining free ends of tabs integral with the strip, each tab having on one side a portion of the gum coating, and a non-adhesive opposite side, said tabs being bent outward from the strip and folded against the non-adhesive front side thereof with



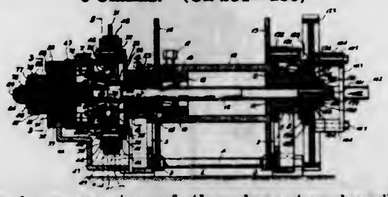
its non-adhesive side inward, the portions of the gum coating on the tabs being exposed at the outer side of the strip, the gummed side of the strip being attachable to a backing member, and cards or the like being attachable to the gummed sides of the tabs so that they lie in overlapped relation on the outer side of the strip and the backing member.

2,042,673
AIR COMPRESSOR
Pietro Maniscalco, Toledo, Ohio
Application May 11, 1935, Serial No. 21,042
9 Claims. (Cl. 230—211)



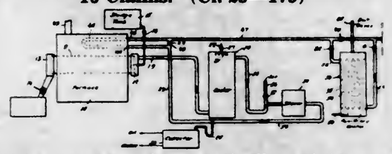
1. An air compressor comprising in combination a set of plungers and means for retaining them stationary, a set of cylinders on the plungers and means for reciprocating them thereon in unison, air containing means which provide inlet and outlet means in each plunger provided respectively with inlet and outlet valves for admitting air from said inlet means to the cylinder and therefrom to the outlet means, and air reservoir means and conduit means for conducting the compressed air thereto from the plungers, thus enabling the device to be readily adapted for a single stage or multi-stage compressor.

2,042,674
WINCH
Charles C. Martin, East Cleveland, Ohio, assignor to David Round & Son, Garfield Heights, Ohio
Application September 12, 1935, Serial No. 40,274
6 Claims. (Cl. 254—186)



4. An apparatus of the character described having in combination, a drum and a variable drive mechanism therefor, a clutch and clamping band for changing the speed ratios of said drive mechanism, springs for moving said clutch and clamping band respectively into engaging position, and cam means for releasing said spring and clamping band from engaging position.

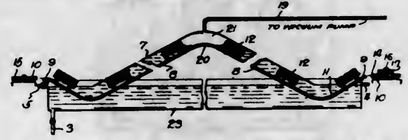
2,042,675
MANUFACTURE OF SULPHURIC ACID
Henry F. Merriam, West Orange, N. J., assignor to General Chemical Company, New York, N. Y., a corporation of New York
Application July 23, 1932, Serial No. 624,178
16 Claims. (Cl. 23—175)



1. The process of catalytically oxidizing sulphur dioxide to sulphur trioxide which comprises contacting a gas mixture heated to a reactive temperature and containing sulphur dioxide, oxygen and organic impurities with a catalyst unaffected by organic impurities to oxidize sulphur dioxide to sulphur trioxide and convert organic impurities to non-deleterious form, and then contacting the gas mixture with a catalyst susceptible to poisoning by organic impurities.

12. The method of separating sulphuric anhydride from a gas stream containing the same, together with a substantial amount of water vapor, which comprises contacting the gas at an initial temperature not less than about 450° F. with absorbing acid and maintaining the acid throughout the period of contact of acid and gas at a temperature not less than about 250° F.

2,042,676
APPARATUS FOR SATURATING ABSORBENT ARTICLES
Stuart P. Miller, Englewood, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application November 1, 1932, Serial No. 640,655
3 Claims. (Cl. 91—46)

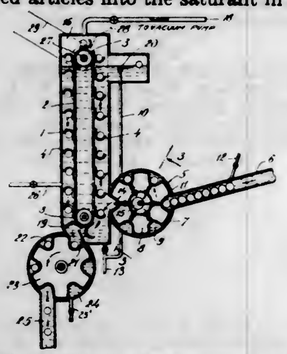


1. In apparatus for saturating absorbent articles, in combination, a container for the saturant, a conduit composed of legs at an acute angle to the horizontal, said legs extending above the saturant in the container and having open ends immersed in the saturant in the said container, means for maintaining vacuum conditions in said conduit, guide and supporting means mounted on the interior surface of said legs, carriers for said articles disposed to travel on said guide and supporting means, and means for moving said carriers through said legs.

2,042,677
SATURATOR FOR ABSORBENT ARTICLES
Stuart P. Miller, Englewood, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Original application June 29, 1932, Serial No. 619,939. Divided and this application November 1, 1932, Serial No. 640,654
17 Claims. (Cl. 91—46)

3. In apparatus for saturating absorbent articles, in combination, means for flowing a stream

of saturant over the articles to flush them, a container for saturant, means for introducing the flushed articles into the saturant in the container and passing it therethrough, means for creating a vacuum in said container, and means for discharging the saturated articles from said container.

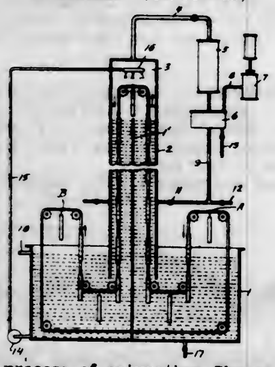


2,042,678

PROCESS FOR IMPREGNATING FIBROUS CONDUITS

Stuart Parmelee Miller, Scarsdale, N. Y., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey

Application December 16, 1933, Serial No. 702,750
17 Claims. (Cl. 91—46)



1. The process of saturating fibrous conduits containing substantial amounts of moisture, which comprises, introducing said conduits without subjecting them to a preliminary drying step into a body of hot saturant and gradually moving said conduits through said body of saturant so that the pressure of the saturant thereon is gradually reduced and moisture removed therefrom, and thereafter completing the saturation of said conduits.

2,042,679

METHOD OF MIXING RESINS WITH OTHER MATERIAL

Louis W. Murray and Ralph L. Seabury, Anderson, Ind., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

No Drawing. Application May 29, 1930, Serial No. 457,504
7 Claims. (Cl. 106—22)

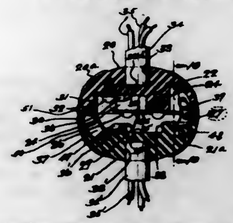
1. The process of mixing resins with granular or powdered materials which consists in mixing dry powdered resin with some other dry powdered material, adding a quantity of alkaline solution during the mixing operation sufficient to soften the surface of the particles of resin but insufficient to dissolve said particles, washing and filtering the mixture, and drying the residue.

2,042,680

ELECTRIC CONNECTER

William G. Pontis, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application February 15, 1934, Serial No. 711,352
14 Claims. (Cl. 200—51)



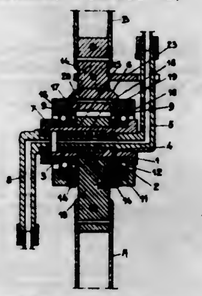
1. A coupler device for electrical circuits comprising in combination, a pair of plug like members cooperating to provide a housing and adapted to receive electrical leads connected therewith, conductive elements carried by each of the plug like members corresponding in number to the respective leads of each, and the conductive elements of each member being circumferentially disposed thereabout and each adapted to be brought into engagement with those of the other plug like member, locking inserts carried by one of the members and a lock plate carried by the other of said members, said locking inserts being circumferentially disposed about the plug like member and cooperating with the lock plate to yieldingly hold the plug like members together in a plurality of angular positions, one of said positions being that in which the contact inserts of one member are each in engaging relation with a contact member of the other member.

2,042,681

LUBRICATING DEVICE

Henri-Eloi-Norbert Pruvot, Sotteville les Rouen, France, assignor to C. C. Wakefield & Company Limited, London, England

Application July 14, 1933, Serial No. 680,482
In France July 18, 1932
2 Claims. (Cl. 184—6)



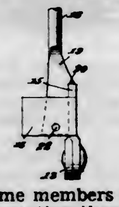
1. In a device for lubricating a member movable relatively to a fixed oil feeding source and which comprises two rigid bars pivoted together on a tubular shaft on the one hand and at their other ends on the other hand, one to the member to be lubricated and the other to the oil source, and pipes for the circulation of oil, the ends of the pipes to be put in communication engaging in the opposite ends of the corresponding tubular shaft which ensures this communication, in combination, a ring for fluid-tightness in the interior of the said tubular shaft and forming a bearing for a portion of one of the pipes which has a movement relative to this tubular shaft and a spring acting constantly for applying a certain pressure to the ring for fluid-tightness.

2,042,682

BAG

Alfred F. Reilly, North Attleboro, Mass., assignor to Evans Case Company, North Attleboro, Mass., a corporation of Massachusetts

Application September 26, 1935, Serial No. 42,326
7 Claims. (Cl. 150—29)



1. A pair of frame members U shaped in cross section, hinges connecting them together at their ends, lugs at the hinges, tie members at the lugs, supporting members for a bag corresponding in shape to the frame members and adapted to fit therein and having resilient ends, and catches on the ends of the supporting members adapted to resiliently engage the lugs and to be held in place by the tie members.

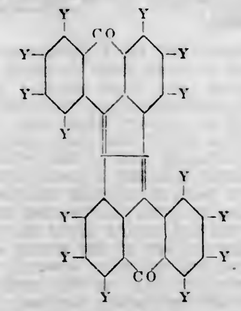
2,042,683

VAT DYESTUFFS OF THE ANTHRAQUINONE SERIES AND PROCESS OF MAKING SAME

Heinz Scheyer, Frankfort-on-the-Main, and Emil Schwamberger, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application August 7, 1933, Serial No. 684,116. In Germany September 7, 1932
4 Claims. (Cl. 260—60)

3. Vat dyestuffs of the anthraquinone series corresponding to the general formula



in which at least one radicle signified by Y is a radicle of the grouping —NH—A, wherein A means an anthraquinone nucleus, which dyestuffs dye cotton from the vat strong brownish shades of a good fastness.

2,042,684

METHOD OF SECURING A HOMOGENEOUS MIXTURE OF HARD MATERIALS AND MATRIX METALS

Ejner Schjöth, Lyons, France

No Drawing. Application May 7, 1934, Serial No. 724,451. In France July 26, 1933
7 Claims. (Cl. 75—137)

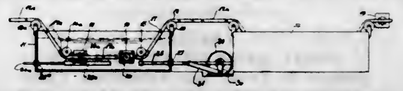
1. The method of securing a homogeneous mixture of hard materials and matrix metals comprising separately bringing said hard materials and said matrix metals to a substantially colloidal particle size, separately effecting substantially colloidal suspensions of said hard materials and said matrix metals of opposite electric charges in liquid media, and mixing said separate colloidal suspensions, whereby the hard material and matrix metal particles flocculate and precipitate in a highly mixed condition, and thereafter removing the liquid media from the precipitate, and drying and sintering the same, whereby a coherent, homogeneous mass is obtained.

2,042,685

MEANS FOR PASTEURIZING AND COOLING

Henry C. Stephens, Ontario, and Stedman B. Hoar, Claremont, Calif., assignors, by mesne assignments, to Natural Food Products Company, a corporation of Delaware

Application June 13, 1932, Serial No. 616,952
6 Claims. (Cl. 126—272)



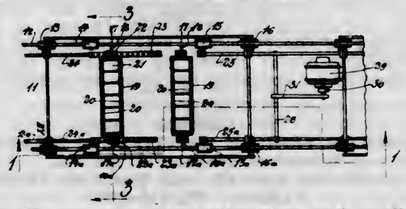
1. In a pasteurizer or cooler, the combination of: a tank for containing a heating or cooling liquid; a conveyor system passing into the tank and out again; a plurality of baskets pivotally carried thereby; at least one pinion on each basket; means for securing food containers in each basket with their longitudinal axes at right angles to the axis of rotation of the basket; reciprocating means; and at least one rack in the tank, engaging the pinions, and reciprocable by the reciprocating means, whereby each basket is angularly reciprocated in such a way as to angularly reciprocate the longitudinal axis of each container secured therein.

2,042,686

METHOD FOR PASTEURIZING AND COOLING

Henry C. Stephens, Balboa, and Stedman B. Hoar, Orange, Calif., assignors, by mesne assignments, to Natural Food Products Company, a corporation of Delaware

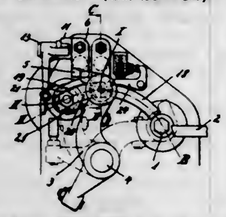
Original application June 13, 1932, Serial No. 616,952. Divided and this application November 9, 1934, Serial No. 752,292
7 Claims. (Cl. 53—20)



1. The process of pasteurizing and cooling packed liquid food products, consisting in: de-

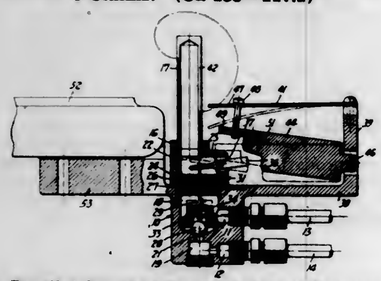
aerating the food product; packing it in a container without entrapping any air; angularly reciprocating the principal axis of the container rapidly in a hot medium; and angularly reciprocating the principal axis of the container rapidly in a cooling medium.

2,042,687
AUTOMATIC LATHE
Karl Tesaky, Esslingen-on-the-Neckar, Germany
Application May 22, 1935, Serial No. 22,675
In Germany May 28, 1934
6 Claims. (Cl. 29—51)



1. In an automatic lathe in combination, a gripper for feeding a work piece to a plurality of working stations in succession, a reciprocable check adapted to limit the feed movements of said gripper and means arranged for cooperation with said gripper for governing the movements of said check by the feed movements of said gripper.

2,042,688
PILOT BURNER APPARATUS
George A. Tuck, San Francisco, Calif.
Application April 1, 1935, Serial No. 13,997
5 Claims. (Cl. 158—117.1)



1. In pilot burner apparatus, a gas flow control valve having a projecting operating member about which gas leakage can occur, means forming a chamber entirely enclosing the projecting portion of the operating member, the chamber serving to receive the gas leakage, a burner tip communicating with said chamber, an air admission port communicating between the outer atmosphere and the interior of the chamber, an actuating member connected to the projecting end of the operating member within said chamber, and extending through said opening to the exterior of the chamber, and temperature-responsive means heated by the flame of the burner tip for operating the actuating member.

2,042,689
MOTOR VEHICLE IDENTIFYING MEANS
Edward B. Wallace, Avoca, Pa.
Application April 10, 1935, Serial No. 15,689
1 Claim. (Cl. 116—32)

A bumper for an automobile having a longitudinally extending tube of fragile material rigidly connected with its front face and extending from one end of the bumper to the other end and



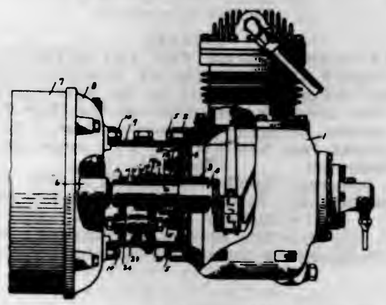
containing identifying material which will scatter upon the roadway if the tube is broken by the bumper striking an object.

2,042,690
HEATING APPARATUS EMPLOYING CATALYTIC COMBUSTION
Paul Weber, Berlin-Treptow, Germany
Application May 31, 1935, Serial No. 24,425
In Germany June 15, 1934
7 Claims. (Cl. 158—96)



1. A heating apparatus employing catalytic combustion comprising a casing, a fuel container located in said casing, means for preventing the ready transfer of heat from the casing to the fuel container, a catalytic disk in association with the fuel container, means for heat insulating the catalytic disk from the fuel container and means for producing a cooling current of air around the fuel container.

2,042,691
STUFFING BOX
Walter W. Williams, Bloomington, Ill.
Application August 30, 1934, Serial No. 742,115
5 Claims. (C. 286—11)



5. A stuffing box for a compressor including a crank case, a crank shaft mounted in a bearing in the crank case, three circular bearing members freely mounted upon the shaft exterior of the casing in contact with each other, a metallic bellows about the shaft connected at one end to the casing and at the other to the adjacent bearing member, a spring about the shaft within the bellows bearing against the casing and bearing member, a recessed member keyed upon the shaft, a spring about the shaft bearing against the bottom of the recess and adjacent circular bearing members whereby the pressure of the outer circular bearing member is equalized upon the contacting surfaces of the intermediate circular bearing member, a casing surrounding the shaft stuffing box secured to the crank casing, the outer surface of said recessed member adjacent the intermediate circular bearing member toothed to form an external gear,

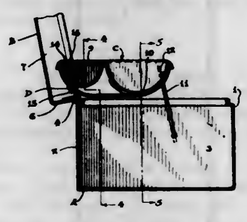
an internal ring gear spaced apart therefrom secured to the stuffing box casing in alignment therewith, a plurality of pinions interposed between the external gear and internal ring gear in mesh therewith, and pivots passing through the pinions secured to the intermediate circular bearing member with the proportions of the gears and pinions so constructed as to provide a speed-reducing transmission from the crank shaft to the intermediate bearing member.

2,042,692
RUG ANCHORING DEVICE
Donald B. Wurzburg, Grand Rapids, Mich.
Application August 20, 1934, Serial No. 740,727
3 Claims. (Cl. 154—49)



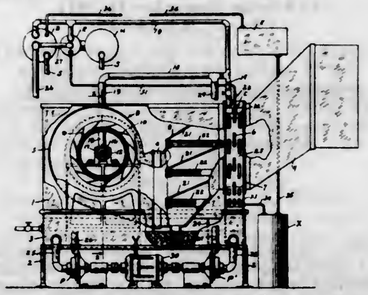
1. A rug anchoring device of the character set forth comprising a piece of fabric having on one side thereof a flexible adhesive adapted to be moistened and/or heated to secure the fabric directly to the rug and a floor gripping facing on the other side of said piece of fabric, said floor gripping facing consisting of a mixture of rubber, rosin and oil combined in such proportions as to provide a smooth elastic surface, and a temporary cover for said floor gripping facing providing a surface to which a hot iron may be applied for heating the attaching adhesive and pressing the anchoring member upon a rug.

2,042,693
CHEST, BOX, OR CONTAINER
Harvey H. Yawman, Le Roy, N. Y., assignor to Union Steel Chest Corporation, Le Roy, N. Y., a corporation of New York
Application September 27, 1935, Serial No. 42,504
12 Claims. (Cl. 206—16)



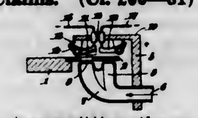
1. A chest or the like comprising a body, the rear wall of which terminates at its upper edge in a horizontal plane lower than the upper edges of the horizontal planes of the front and end walls, a cover hinged to the rear wall of the body, a tray, means pivotally connecting the tray at its front portion to the body, means for pivoting the tray at the rear portion thereof to the cover so as to permit swinging movements of the tray into and out of the body on the first-mentioned pivotal means under the influence of opening and closing movements of the cover with relation to the body, and a stop carried by and projecting from the cover into the path of outward swinging movement of the tray for direct engagement by the latter to limit the opening swinging movement of the cover.

2,042,694
COOLING UNIT
Glenn F. Zellhoefer, Bloomington, Ill.
Application February 6, 1935, Serial No. 5,163
5 Claims. (Cl. 62—119)



1. In an absorption refrigeration apparatus including an absorber, a heater, a condenser and an evaporator, the combination with a cooling unit including a fan blower and means for circulating water cooled thereby through the absorber, of means for diverting a portion of the heated water returning from the absorber to pass through the condenser on its way to the cooling unit, said condenser being located in the path of air discharged from the blower.

2,042,695
DEVICE FOR TRANSMITTING MOTION
Franz Zofzik, Fischamend, near Vienna, Austria, assignor to Josef Florenz Waagen und Gewichtefabriks, A. G., Fischamend, near Vienna, Austria, a company of Austria
Application April 24, 1935, Serial No. 18,057
In Austria August 10, 1934
3 Claims. (Cl. 200—81)

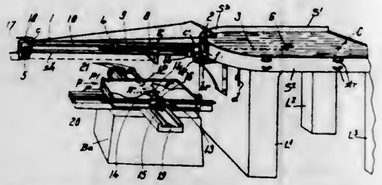


1. Device for transmitting the motion of one member to another member, comprising in combination a moving member, a shutter attached to said moving member, means for subjecting the shutter to the action of a current of air, a second movable member, circuit controlling means on said second member, and intermediate members arranged on said second member, said intermediate members being controlled by said current of air and controlling said circuit controlling means.

2,042,696
COMPOSITIONS USEFUL FOR THE PRODUCTION OF AZO DYESTUFFS AND THEIR APPLICATION
Marcel-Joseph-Gustave Bader, Strasbourg, Bas-Rhin, France
No Drawing. Application December 7, 1933, Serial No. 701,375. In France December 13, 1932
7 Claims. (Cl. 8—6)

1. A water-soluble composition of matter for the production of water-insoluble dyestuffs on textile fibres, comprising a mixture of an aromatic nitramine, an alkali in a quantity sufficient to transform the nitramine into its alkali metal salt, and a substance capable of coupling with diazo compounds to yield a water-insoluble azo dyestuff.

2,042,697
ELECTROMECHANICAL REPRODUCER FOR GUNFIRE
André Valentin Baranoff, Saint-Mande, France
Application December 13, 1932, Serial No. 647,069
In France December 14, 1931
1 Claim. (Cl. 35—25)

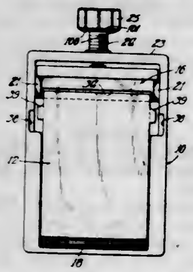


In fire control apparatus: a substantially horizontal table adapted to support a miniature scale representation of terrain within firing range of guns located in known or determinable positions relative to said table; a supporting beam rotatable about a vertical axis on said table; a rod having an indicator on one end thereof and mounted to rotate with and slide axially on said beam; and means on said beam for rotating the latter and means for sliding said rod on said beam.

2,042,698
COMPOSITIONS FOR DYEING HAIR
Eugen Basch, London, England, assignor to Gallia Limited, London, England, a British company
No Drawing. Application June 22, 1932, Serial No. 618,809. In Great Britain June 24, 1931
4 Claims. (Cl. 167—88)

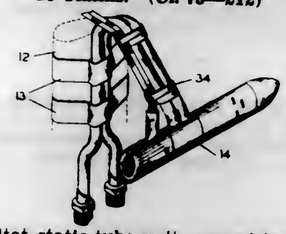
1. A non-lathering hair dyeing composition in paste form comprising an intimate mixture of an organic hair dye of the class consisting of polyhydroxy and polyamino aromatic compounds, hydroxyalkylamine soap, water, a water-soluble organic solvent for said dye and fatty acid in quantity substantially exceeding the soap.

2,042,699
BEACH CASE
Zorn L. Bonin, Gary, Ind.
Application July 8, 1935, Serial No. 30,230
5 Claims. (Cl. 206—37)



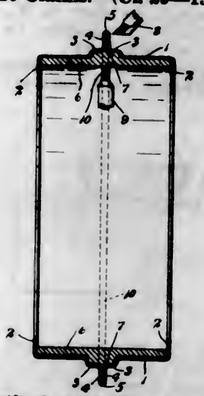
1. In a beach case or the like, the combination with a frame having a receptacle pivoted thereon to swing into and out of position with its open end within the frame, of a closure carried by the frame reciprocable toward and away from the open end of the receptacle, means for clamping the closure and receptacle together, and interengaging means carried jointly by the frame and closure for guiding the closure.

2,042,700
PITOT-STATIC TUBE
Charles H. Colvin, Morristown, N. J., assignor to Pioneer Instrument Company, Incorporated, Brooklyn, N. Y., a corporation of New York
Application March 14, 1928, Serial No. 261,466
Renewed June 26, 1935
15 Claims. (Cl. 73—212)



1. A Pitot-static tube unit, comprising in combination, a velocity head tube and a pressure head tube having their extremities adjacent one another, a member encasing said extremities of said tubes, said member having holes on opposite sides thereof communicating with said tubes respectively, an open ended hollow element secured to said member opposite one of said holes, and another hollow element having one end only open and secured to said member opposite the other of said holes, said last named element having holes in the wall thereof.

2,042,701
METHOD OF MAKING FLANGED BRAKE DRUMS
Charles W. Dake, Grand Haven, and Raymond K. Johnson, Muskegon, Mich., assignors to Campbell, Wyant & Cannon Foundry Company, Muskegon, Mich., a corporation of Michigan
Application April 8, 1935, Serial No. 15,162
10 Claims. (Cl. 29—152.2)

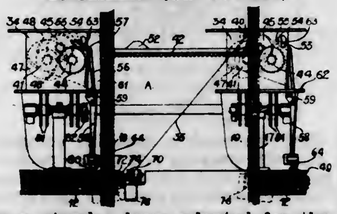


1. The method of making a brake drum part which consists in providing a substantially cylindrical wrought metal shell with an inturned annular flange at one end and an outturned annular flange spaced therefrom, shielding the side of the outturned flange which is adjoined to the inner side of the shell, casting a cast iron cylindrical liner at the inner side of said shell between the inner side of the inwardly extending flange and the plane of the outwardly extending flange, and then shaping said outwardly extending flange into substantially cylindrical form to provide a continuation of said cylindrical shell beyond said cast metal liner therein.

2,042,702
PRODUCTION OR TREATMENT OF ARTIFICIAL MATERIALS
Henry Dreyfus, London, England
No Drawing. Application April 15, 1930, Serial No. 444,620. In Great Britain May 4, 1929
11 Claims. (Cl. 18—54)

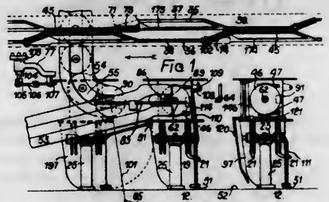
9. In the manufacture of filaments comprising cellulose acetate by spinning processes, the step of forming silica in the filaments by introducing an alkyl silicate into the spinning solution and treating the formed materials with aqueous reagents.

2,042,703
CIRCULAR LOOM
Henry Dreyfus, London, and William Pool, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application July 13, 1934, Serial No. 734,908
In Great Britain July 21, 1933
16 Claims. (Cl. 139—224)



1. In a circular loom adapted for the insertion of weft round part only of the periphery of the loom, a shuttle, means for imparting relative circular motion between said shuttle and the warps with respect to the loom axis, a weft spool in said shuttle, weft-replenishing means disposed at a point of the periphery of the loom not occupied by the warps, and means to operate said weft-replenishing means on exhaustion of the length of weft carried by the shuttle so as to present to said shuttle a further length of weft sufficient for the part of the periphery of the loom that is occupied by the warps, without interrupting said relative circular motion between the shuttle and the warps.

2,042,704
CIRCULAR LOOM
Henry Dreyfus, London, and William Pool, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
Application July 13, 1934, Serial No. 734,909
In Great Britain July 21, 1933
18 Claims. (Cl. 139—224)

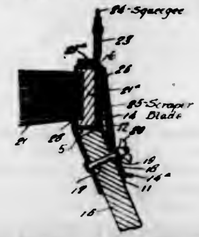


1. In a circular loom, a shuttle between which and the warp threads there is relative circular motion with respect to the loom axis, a weft spool in said shuttle, means operable on substantial exhaustion of said spool to manipulate the warp threads in the vicinity of the shuttle so as to stop weaving by said shuttle during a predetermined interval without interrupting said relative circular motion between said shuttle and said warp threads, means to extract the spool from the shuttle, and means to replenish the shuttle with a fresh spool during said interval.

2,042,705
MANUFACTURE OF CELLULOSE FROM LIGNO-CELLULOSIC PRODUCTS
Henry Dreyfus, London, England
No Drawing. Original application February 28, 1934, Serial No. 713,308. Divided and this application January 4, 1935, Serial No. 330. In Great Britain March 7, 1933
12 Claims. (Cl. 92—9)

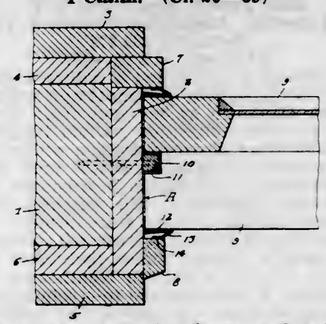
1. Process for the production of cellulose from ligno-cellulosic materials, comprising extracting the materials at an elevated temperature with a substantially neutral solvent mixture of non-phenolic purely organic liquids of substantially different dipole moment due to the presence in the molecule of groups of different type.

2,042,706
BRUSH HOLDER
Louis Dry, New York, N. Y., assignor of one-half to Derso Csontos, New York, N. Y.
Application July 22, 1935, Serial No. 32,603
2 Claims. (Cl. 15—111)



1. A brush holder, a handle receiving socket secured to the brush holder, a scraper blade pivoted at one end to the brush holder so as to swing with its scraper edge beyond the holder and adapted to be swung into engagement against the socket to place said blade under bending stress for frictionally retaining the blade in an out-of-the-way position.

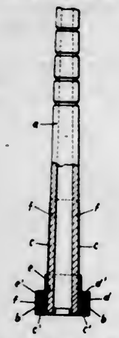
2,042,707
WEATHER STRIP
James William Ewing, Marietta, Ohio
Application April 2, 1935. Serial No. 14,350
1 Claim. (Cl. 20—69)



In a window including inner and outer stop strips and a filler strip, and sashes guided by

said strip, a metal strip having a substantially U-shaped part intermediate its edges for receiving the filler strip, means for fastening the metal strip to said filler strip, the edges of the metal strip being bent to form outwardly extending flanges that slightly converge, with their inner portions slightly spaced from the outer faces of the sashes, and the outer portions yieldingly contacting said outer faces and each flange having a return bend which provides a substantially straight edge portion for contacting one edge of a stop strip adjacent a sash and a sloping portion connecting said straight portion with the outer edge of the flange, said flanges and their return bends contacting directly portions of the sashes and stop strips.

2,042,708
YARN BOBBIN OR TUBE, PARTICULARLY FOR USE IN LOOMS
Fritz Fallscheer, Reutlingen, Germany
Application November 7, 1935, Serial No. 48,761
6 Claims. (Cl. 139—289)



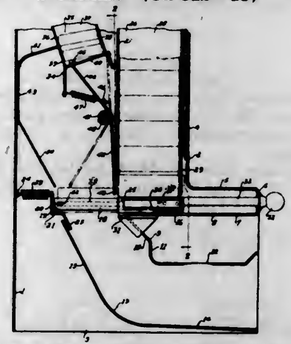
1. A bobbin comprising a slightly conical member having a thickened head at its lower end, a thin-walled metal contact sleeve disposed on said member and provided at its lower end with an outward curl, a second thick-walled metal sleeve clamped onto said first sleeve above said head and having an outwardly curled lower end, and a closing shell beaded upon the curl of said second sleeve and surrounding the thickened head and the end of the conical member.

2,042,709
METHOD OF MAKING SODIUM CARBONATE SALTS
Hans Frasch, New York, N. Y.
No Drawing. Application October 1, 1932, Serial No. 635,874
2 Claims. (Cl. 23—63)

1. A process of producing a sodium carbonate salt containing sodium carbonate and sodium bicarbonate combined by one equivalent of water, which comprises subjecting sodium bicarbonate to a temperature of decomposition within a saturated solution of sodium chloride until the sodium carbonate and sodium bicarbonate are in equimolecular proportion, and thereafter cooling and recovering the product thus formed.

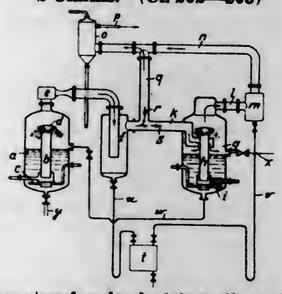
2. A process of producing hydrated sodium carbonate salts of predetermined hydration, which comprises subjecting sodium bicarbonate to its temperature of decompositon in a solution of sodium chloride, and controlling the amount of water to be represented in the sodium carbonate salt product by regulation of the concentration of the sodium chloride solution at the temperature of decomposition of the sodium bicarbonate, whereby the higher such concentration the lower will be the amount of water represented in the product.

2,042,710
VENDING MACHINE
Benjamin W. Fry, St. Louis, Mo.
Application January 25, 1936, Serial No. 60,803
2 Claims. (Cl. 312—35)



1. A cigarette-vending machine comprising a casing, cigarette package and match packet magazines located in said casing, a cigarette package ejector located below the cigarette package magazine, means for operating said ejector back and forth, a lever pivotally mounted intermediate its ends in said casing, the upper end of said lever extending into the lower end of the match packet magazine and its lower end in the path of travel of a package of cigarettes while being moved by the ejector, whereby said lever is moved on its pivot while a cigarette package is being discharged from the magazine, and means for returning said lever to its starting position, whereby the lower end of said lever exerts a discharging pressure against the package of cigarettes and the upper end of said lever will discharge a packet of matches from its magazine.

2,042,711
APPARATUS FOR TREATING OILS AND FATS
Wilhelm Gensecke, Gonsenheim, near Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y., a corporation of New York
Application February 7, 1934, Serial No. 710,192
In Germany February 17, 1933
2 Claims. (Cl. 202—205)



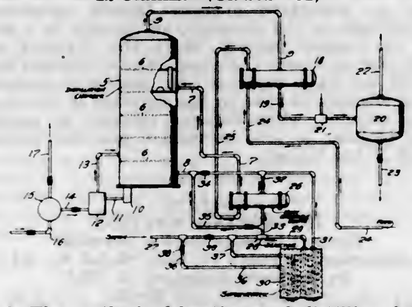
1. Apparatus for deodorizing oils and fats and simultaneously distilling off small quantities of

free fatty acids, comprising a still, a separator, and an injector located between and communicating with said still and said separator, an initial still located beyond said separator, a conduit communicating between said initial still and said separator, a vapor condenser, a conduit communicating between said initial still and said condenser and means for transferring liquid from said initial still to said first-named still.

2,042,712
INSECTICIDE
Charles B. Gnadinger, Minneapolis, Minn.
No Drawing. Application March 26, 1934, Serial No. 717,430
11 Claims. (Cl. 167—24)

1. A process which consists in making a solution of an oleo resin of pyrethrum with decalin, diluting the decalin solution with naphtha to precipitate dissolved resins, cooling and filtering the decalin-naphtha solution, and removing the naphtha by distillation.

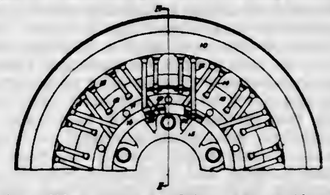
2,042,713
ART OF HEATING AND DISTILLATION
James W. Gray, Mountain Lakes, N. J., assignor to Luis de Flores
Application November 10, 1933, Serial No. 697,456
12 Claims. (Cl. 202—61)



1. The method of heating and distilling fatty acid stocks wherein the fatty acid stocks are heated and subsequently discharged into a vessel wherein they are contacted with steam, the method which comprises maintaining a circulation by passing steam through a superheater, bringing the superheated steam into indirect heat exchange with fatty acid stock to heat the same and thereupon returning it to the superheater, withdrawing a portion of the steam leaving the superheater and discharging it into said vessel in contact with the fatty acid stock under treatment therein and injecting additional steam into that within said circulation after said indirect heat exchange, said additional steam being supplied under a pressure and in a manner to maintain the circulation of the steam.

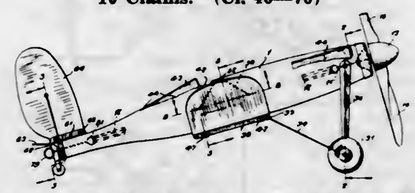
2,042,714
VEHICLE WHEEL
J Harold Hunt, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application October 31, 1932, Serial No. 640,413
2 Claims. (Cl. 301—62)

2. A vehicle wheel comprising a rim and hub shell connected to each other by a plurality of spokes, said spokes being arranged in two separate axially spaced series, the spokes of one series being arranged in intersecting pairs and having their opposite extremities connected to the forward portions of the hub shell and rim in staggered relation, the spokes of the other series being arranged in circumferential alignment throughout their length and having their oppo-



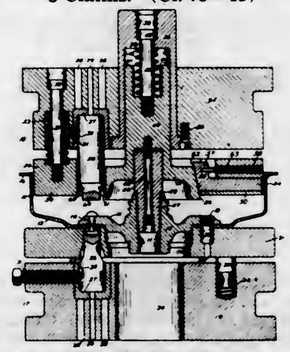
site extremities connected to rear portions of the rim and hub shell, all of said spokes being of the compression type and having engagement with the rim and hub shell through seats disposed in planes perpendicular to their respective longitudinal axes.

2,042,715
TOY AIRPLANE
John L. Hunt, Detroit, Mich., assignor, by mesne assignments, to Emmert-Hammes, Inc., Detroit, Mich., a corporation of Michigan
Application April 23, 1934, Serial No. 721,957
10 Claims. (Cl. 46—76)



1. A toy airplane structure comprising a hollow fuselage, a cup shaped member over the front end of the fuselage having flanges telescopingly fitting the front of the fuselage, a supporting yoke secured to the cup shaped member and having a central part disposed in spaced relation with respect to the bottom of the cup, and a propeller shaft journaled in the bottom portion of the cup and in said central part of the yoke.

2,042,716
ASSEMBLING DIE
Stanley N. Johnson, Lansing, Mich., assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application January 16, 1933, Serial No. 651,867
3 Claims. (Cl. 78—49)



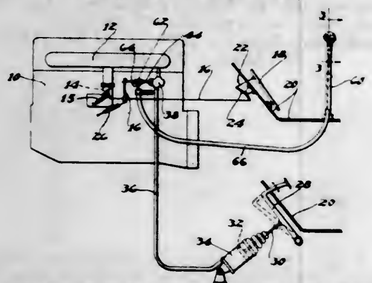
3. An assembling die including in combination a holder for parts to be assembled, a carrier movable toward and from said holder, a pilot resiliently supported by said carrier for engaging

and positioning one of said parts, an expanding arbor rigidly secured to said pilot and having an inclined face disposed within said carrier, said carrier including a plunger supporting plate resiliently supported by said carrier and movable relative to said carrier and said pilot, a plunger slidably supported by said plunger supporting plate and movable transversely of said pilot to position the other of the parts to be assembled, said plunger engaging the inclined face of said arbor, and stop means on said pilot adapted to limit the movement of said pilot toward the part to be positioned thereby and to compel relative movement between said plunger supporting plate and said expanding arbor upon continued movement of said carrier toward said holder.

2,042,717
CLUTCH CONTROL

Victor W. Kliesrath, South Bend, Ind., assignor to Bragg-Kliesrath Corporation, South Bend, Ind., a corporation of New York

Application August 28, 1931, Serial No. 559,988
9 Claims. (Cl. 192—.01)

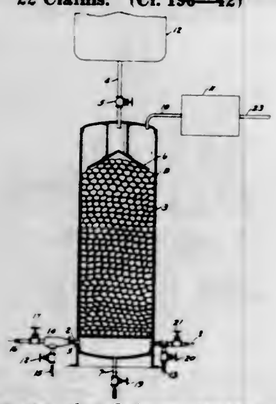


1. A vehicle having a power-operated clutch, a throttle and a gear-shift lever, in combination with means for varying the relative timing of the operations of said throttle and clutch, said means being mounted in said gear-shift lever.

2,042,718
METHOD OF REFINING HYDROCARBON OILS

Arthur Lachman, Berkeley, Calif., assignor, by mesne assignments, to Vapor Treating Processes Inc., a corporation of California

Application June 27, 1930, Serial No. 464,350
Renewed February 6, 1936
22 Claims. (Cl. 196—42)

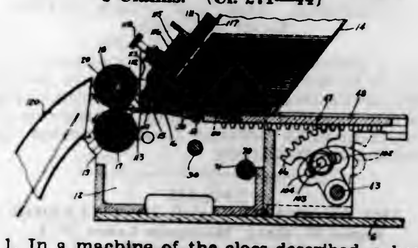


21. A process of refining mineral oils comprising commingling the vapors of a mineral oil containing air with a maintained water solution of a heavy metal salt other than an iodide, and then condensing and separating the mineral oil from aeriform products.

2,042,719
MACHINE FOR DEPOSITING CIRCULARS INTO CONTAINERS

Frank O. Lindgren, Minneapolis, Minn., assignor to General Mills, Inc., Minneapolis, Minn., a corporation of Delaware

Application July 2, 1932, Serial No. 620,691
3 Claims. (Cl. 271—44)

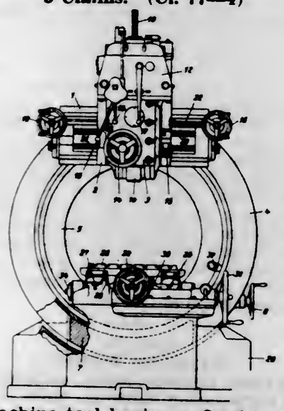


1. In a machine of the class described, a hopper for supporting the circulars in flatwise relation, said hopper comprising a bottom wall having an elongated opening therein extending lengthwise of the circulars, an opening in a wall of the hopper through which the circulars are fed, one at a time therefrom, and a resilient element normally bridging said discharge opening and adapted to yield in the direction of travel of the circular, when engaged thereby, to permit the circular to pass between it and the bottom wall of the hopper.

2,042,720
JIG BORING MACHINE

Herbert Lindner, Berlin, Germany

Application February 11, 1935, Serial No. 6,110
In Germany February 26, 1934
3 Claims. (Cl. 77—4)

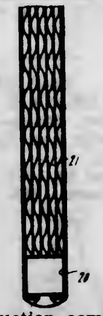


1. A machine tool having a fixed bed, a work holder on said bed, an annular support on the bed and extending over and completely encircling the work holder and having a surface of revolution, an annular member guided by said surface of revolution for angular adjustment in a vertical plane about the work holder, and tool means carried by said annular member in its movement of adjustment and including a rotary tool extending inwardly toward the work, and also including guide and adjustment means for selectively presenting the tool with respect to the annular member while maintaining the tool axis constantly parallel to a selected diameter of the annular member, said diameter being selected by the aforesaid angular adjustment.

2,042,721
METAL PANEL CONSTRUCTION

Morris Loewy, Flushing, N. Y.

Application May 9, 1935, Serial No. 20,601
8 Claims. (Cl. 189—34)

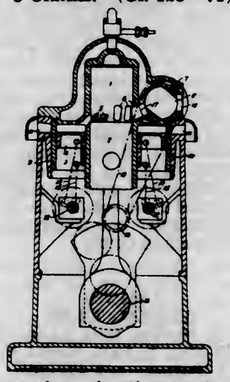


1. A panel construction comprising a pair of metal plates provided at their margins with inturned flanges shaped adjacent their ends to form outwardly extending edge portions, a rigid structural member between the plates immediately beneath said flanges, said flanges being spaced from each other by said structural member, said member including a plane surface extending across the space between the flanges and abutting them on their inside surfaces, and a molding strip having inturned edges tightly engaging the outwardly extending edge portions of said flanges.

2,042,722
INTERNAL COMBUSTION ENGINE OF THE TWO-STROKE TYPE

Duncan Gordon Mackenzie, Ilford, England

Application July 16, 1934, Serial No. 735,455
In Great Britain June 12, 1933
8 Claims. (Cl. 123—71)
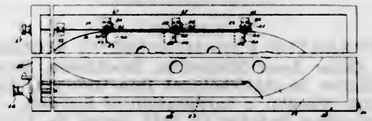


1. An internal combustion engine of the two-stroke type comprising a power cylinder, a piston working in said power cylinder and operating the main crank shaft of the engine, air inlet and exhaust ports in the walls of said power cylinder adapted to be covered and uncovered by said piston, an air chamber surrounding the lower part of said power cylinder, ports leading directly from the upper end of said rectangular chamber to said power cylinder, a piston working in said air pump chamber and operated from the main crank shaft of the engine, an air supply chamber disposed below said air pump and separate from the crank chamber of the engine, and means for controlling the passage of air from said air supply chamber to the upper end of the chamber of said air pump, said means comprising a plate or plates slidably mounted on the head of the piston of said air pump and operated from the main crank shaft, and slots formed in said plate or plates and in the head of said piston, substantially as described.

2,042,723
GAME APPARATUS

Frederick J. Marco, Chicago, Ill., assignor to Fred C. McClellan, Chicago, Ill.

Application April 25, 1935, Serial No. 18,178
5 Claims. (Cl. 273—119)

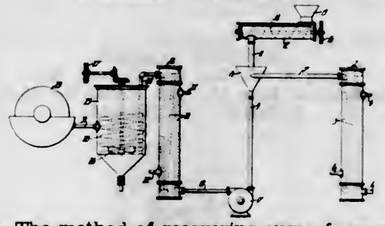


1. In a game apparatus having a member providing a ball playing surface; a plurality of ball-deflecting members mounted in said cabinet for movement into and out of position to be engaged by balls traveling over said playing surface; and means for selectively moving said ball-deflecting members into and out of position to be engaged by balls traveling over said playing surface; said means including a member slidably mounted in said cabinet for movement relative to said playing surface; and a plurality of laterally projecting elements carried by said slidably mounted member and selectively engageable with said ball-deflecting members to move the latter into effective or ball-deflecting position.

2,042,724
METHOD AND APPARATUS FOR RECOVERING SUGAR

Sherman Chase Meredith, San Mateo, Paul Warren Alston, Berkeley, Edward Taber Winslow, Saratoga, and Clarence White, San Francisco, Calif., assignors to Spreckels Sugar Company, San Francisco, Calif., a corporation of California

Application November 7, 1933, Serial No. 696,956
9 Claims. (Cl. 127—14)



2. The method of recovering sugar from solution, which comprises conducting the solution in a continuously advancing stream and converting the solution into a mixture from which sugar will precipitate by resolving the stream into a vortical flow and introducing lime into the vortex increasing the availability of the lime in the stream by disrupting the coating of lime-sugar compound

forming on the lime particles, forcing the reacting mixture at sustained velocity along a path of sufficient length to permit a substantial completion of reaction and then filtering out the precipitated sugar while maintaining the volume and velocity of the solution and mixture from the point of supply to the filter.

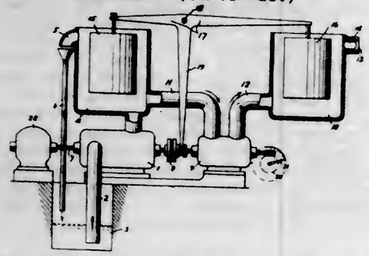
5. Apparatus for recovering sugar from solution comprising a duct in which the solution may flow in a continuously advancing stream, means interposed in said duct for converting the solution into a mixture from which sugar will precipitate, said means comprising a device for adding a continuous increment of lime to the stream, means interposed at a subsequent point in said duct for breaking up the particles flowing in the stream to expose substantially all the lime to reaction, and a filter into which the solution from the duct discharges, the portion of the duct between the means for breaking up the particles and the filter being of sufficient length to permit substantially complete reaction.

2,042,725

APPARATUS FOR MEASURING LIQUIDS

Carl Oscar Josef Montelius, Stockholm, Sweden, assignor to Aktiebolaget Imo-Industri, Stockholm, Sweden, a corporation of Sweden

Application October 12, 1932, Serial No. 637,379
In Sweden January 7, 1930
8 Claims. (Cl. 73—167)



6. In combination, a pump of positive displacement type, means for indicating the operations of the pump, means providing a liquid supply for the pump, driving means for the pump, means for diverting excess liquid at the intake side of the pump in such quantities as to maintain substantially equal the pressures at its intake and discharge, and means responsive to said pressures controlling the driving means to effect driving of the pump only when said pressures are substantially equal.

2,042,726

WINDOW SCREEN

John A. Mueller, Farmington, Mo.

Application June 15, 1935, Serial No. 26,712
6 Claims. (Cl. 156—14)



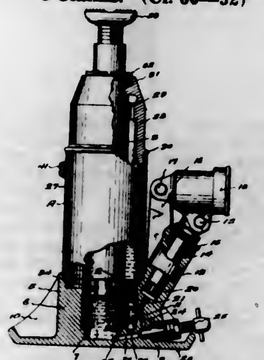
1. In a screen, a frame comprising sides and ends formed of sheet metal folded to provide right-angled webs, one of the said webs of each side and end having a centrally longitudinally extended groove, corner pieces comprising arms extended at right angles and of the same cross sectional shape as the said sides and ends and adapted for telescopic frictional engagement therewith to form a rectangular frame, screen wire placed over the grooved webs of the frame, spring screen retainer strips of length equal to the sides and ends of the frame, and beads extended from the inner sides of the spring retainer strips along the center thereof and entering the said grooves whereby the screen wire is secured to the frame, the said grooves having restricted openings narrower than the said beads whereby the openings will be spread apart as the beads enter and thereafter will engage and hold the beads against withdrawal.

2,042,727

HYDRAULIC JACK

Joseph J. Mueller, Racine, Wis., assignor to American Grinder and Specialty Corporation, Milwaukee, Wis.

Application June 30, 1934, Serial No. 733,286
5 Claims. (Cl. 60—52)



1. A hydraulic jack comprising, a base having an enlarged cavity in its upper face and a smaller cavity at one side of the large cavity, a pump cylinder formed integral with the base and at one side of the cavities, a ram cylinder secured in the large cavity, a reservoir cylinder carried by the base and surrounding the ram cylinder and forming a reservoir in conjunction therewith, a ram slidably mounted in the ram cylinder, a pump plunger slidably mounted in the pump cylinder, the base having a passageway connecting the pump cylinder with the small cavity intermediate its ends, a passageway connecting the lower ends of the small and large cavities together, a one-way valve fitted in the small cavity below the first mentioned passageway, a second one-way opening valve detachably fitted in the small cavity and engaging the first valve, and means for by-passing fluid from the large cavity to the reservoir, said reservoir cylinder completely enclosing the upper end of the small cavity.

2,042,728

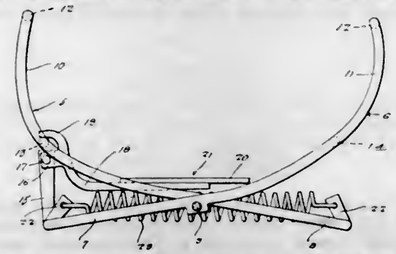
ANIMAL TRAP

Joseph E. Neville, Deer Lodge, Mont.

Application May 7, 1935, Serial No. 20,263
3 Claims. (Cl. 43—90)

1. In a pincers type animal trap of the class described, a pair of substantially duplicate wire rod frames, said frames being pivotally joined together intermediate their ends, the end portions at one end forming a collapsible base sections, the opposite end portions being curved and shaped to

provide animal embracing jaws, a pair of spaced parallel coiled contraction springs having their opposite ends anchored to the end portions of the base sections, an upright carried by one of the base sections, a trip arm pivoted on said upright and including a latch forming hook, an ani-



mal actuated trigger plate on the opposite end of the arm, said arm and plate being located centrally with respect to the coiled springs, one of said frames being provided with a cross-piece forming a keeper with which said latch hook is releasably engageable.

2,042,729

SEPARATING FATTY ACIDS

Anderson W. Ralston, William O. Pool, and James Harwood, Chicago, Ill., assignors to Armour and Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application October 31, 1935, Serial No. 47,716
7 Claims. (Cl. 260—122)

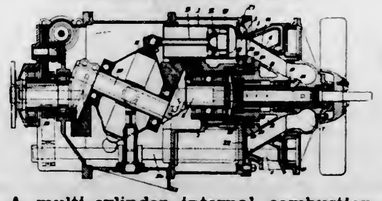
1. The process which includes converting a mixture of a plurality of fatty acids to a mixture of nitriles corresponding to said fatty acids, separating the nitriles by fractional distillation, and converting the separated nitriles to their corresponding fatty acids.

2,042,730

VALVE MECHANISM OF INTERNAL COMBUSTION ENGINES

Charles Benjamin Redrup, Bristol, England, assignor to The Bristol Tramways & Carriage Company Limited, Bristol, Gloucester County, England, a British company

Application March 16, 1933, Serial No. 661,171
In Great Britain March 17, 1932
3 Claims. (Cl. 123—190)



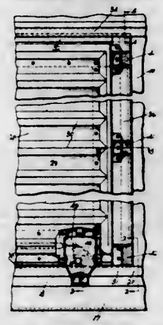
1. A multi-cylinder internal combustion engine comprising a crank-shaft, a plurality of cylinders disposed around said shaft with their axes extending along the length thereof, a plurality of cylinder heads formed in a single water jacketed block having a flat outer face arranged in a plane transverse to the crank-shaft, a plurality of gas ports extending through said cylinder head block into said cylinder, which ports are arranged in a circular path concentric with said shaft, a plurality of water ports extending through the face of the block into the water jacket, a single water jacketed valve member having a flat face in contact with said cylinder heads and a plurality of gas ports opposite the gas ports in the cylinder head, and a plurality of water ports opposite the other water ports, a double walled packing ring enclosing both sets of water ports and clamped between the cylinder heads and valve member, and means for effecting relative rotation between the valve member and the cylinder heads.

2,042,731

CAR DOOR

Samuel Reese, Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio

Application December 8, 1934, Serial No. 756,575
12 Claims. (Cl. 20—26)



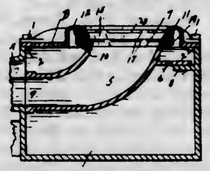
1. In a railway freight car having a wall provided with a door opening, a guard strip secured to said wall adjacent the rear of said opening, said guard strip extending outwardly substantially to the outer plane of said wall, a track secured to said car, a door for closing said opening slidably supported upon said track, a sealing strip swingably carried upon the rear margin of said door, said sealing strip being normally positioned outwardly relative to said guard strip and means for automatically disposing said weather strip in the path of said guard strip in the sliding movement of said door to closed position, said guard strip engaging and imparting swinging movement to said sealing strip to establish sealing relationship therewith in the final closing movement of said door.

2,042,732

TUYÈRE FOR STOKERS

William F. Rieger, Salt Lake City, Utah, assignor, by mesne assignments, to Charles T. S. Parsons, Salt Lake City, Utah

Application March 1, 1933, Serial No. 659,072
3 Claims. (Cl. 110—45)



1. In an underfeed stoker, the combination of a casing having its upper end open; a fire pot mounted in said casing and spaced therefrom; a cover mounted on the upper end of said casing and spanning the space between said casing and firepot, said cover having a raised annular por-

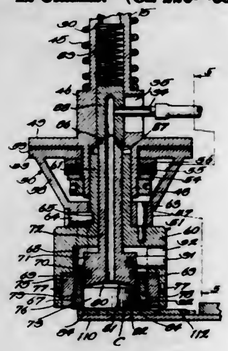
tion surrounding the upper portion of said fire pot and overlapping the upper edge thereof, said annular portion being raised above the rest of the cover by an annular vertical wall whereby said annular portion may expand and contract without buckling and cracking the cover.

2,042,733

SCREW CAP APPLYING MACHINE

Arthur I. Risser, Chicago, Ill., assignor to U. S. Bottlers Machinery Co., Chicago, Ill., a corporation of Illinois

Application December 30, 1933, Serial No. 704,619
12 Claims. (Cl. 226—88)





12. In a screw capping machine, a cup shaped chuck adapted to receive snugly a cylindrically skirted cap therein, wherein the chuck includes a bottom portion mounted to rotate, a plurality of closely adjacent arcuate sections forming the side wall of the chuck, means for loosely connecting the sections with the bottom portion whereby the sections are loosely carried thereby so as to be capable of free movement bodily to expanded and contracted positions with respect to each other and capable of relative rotation bodily with respect to the bottom portion about the axis thereof, a cam surrounding the sections to which cam the bottom portion is connected to rotate in limited axial movement with respect thereto, and the cam and sections having correlatively formed co-operating cam surfaces to contract the sections bodily in clamping a cap and for locating the sections concentrically therewith when the bottom portion is moved axially with respect to the cam.

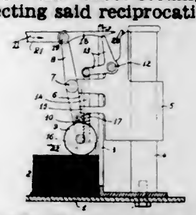
2,042,734

PRESELECTING DEVICE FOR SHEET-FEEDING MECHANISMS OF STENCILING MACHINES AND THE LIKE

Aimé Armand Roy, Lyon, France

Application August 24, 1935, Serial No. 37,741
In France August 28, 1934
10 Claims. (Cl. 271—21)

1. A pre-selector for the sheet-feeding mechanism of stenciling machines and the like wherein sheets are fed from a pile of sheets, said pre-selector comprising in combination a vertically sliding carriage in the vicinity of the pile of sheets; a spring-pressed block carried by said carriage, said block being adapted to be vertically pressed on the pile of sheets; a substantially vertical lever pivotally supported by said carriage; a roller rotatably supported at the lower end of said lever, said roller resting on the pile of sheets; pawl-and-ratchet means to unidirectionally prevent said roller from rotating when pushed towards the center of the pile of sheets; means to reciprocate said lever so as to locally displace the first sheet of said pile previously to the action of the sheet-feeding mechanism; means connecting said reciprocating means with



said block to lift the latter from the pile when said first sheet begins being displaced, said connecting means including a disengageable pawl; and an abutment supported by said carriage to disengage said disengageable pawl substantially at the end of the active stroke of said lever so as to cause said block to press on the second sheet of said pile before said sheet feeding mechanism begins to operate.

2,042,735

METHOD OF AVOIDING COARSE CRYSTALLIZATION AT THE SOLIDIFICATION OF METALLIC CASTINGS

Erich Scheil, Dortmund, Germany, assignor to firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany

No Drawing. Application April 29, 1933, Serial No. 668,671. In Germany May 2, 1932
3 Claims. (Cl. 75—93)

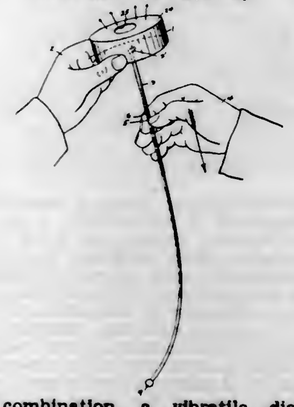
1. Method of obtaining a fine crystallization of metallic castings in order to enhance their workability which consists in adding to the liquid metal several solid pieces of the same alloy as the cast material, the size of said pieces being determined in accordance with the transcrystallization tendency of the metal in such a manner that they are completely molten before the casting ingots begin to solidify, but leaving numerous very small invisible remnants forming nuclei during the solidification of the ingots.

2,042,736

TALKING DEVICE

Edward Schwartz, San Francisco, Calif.

Application January 2, 1935, Serial No. 17
3 Claims. (Cl. 274—1)



1. In combination, a vibratile diaphragm member, a thin flexible tape extending from one end from said diaphragm member provided with phonograph sound record characteristics formed thereon consisting of small undulating ridges on the surface of the tape arranged along the tape in a manner to be engaged by a person's thumb nail placed transversely upon the tape as the same is pinched and drawn through the fingers.

2,042,737

FISHING REEL

Monroe Shakespeare, Kalamazoo, Mich., assignor to Shakespeare Company, Kalamazoo, Mich.

Application June 18, 1934, Serial No. 731,188
19 Claims. (Cl. 242—84.4)



11. In a reel pawl assembly, the combination with a short journal having a transverse end slot, of a substantially square disk-like pawl disposed in said slot and having four concave edges.

2,042,738

COMBINED MICROPHONE STAND AND AMPLIFIER

George Sharpnack, Lincoln, Nebr.

Application December 5, 1935, Serial No. 52,974
7 Claims. (Cl. 179—147)



1. A cabinet and microphone support comprising a base, a hollow standard extending upwardly of the base, a shelf unit within the standard and including a plurality of spaced apart shelves secured together, a top panel carried by the shelf unit, a microphone, and adjustable means connecting the microphone with the panel.

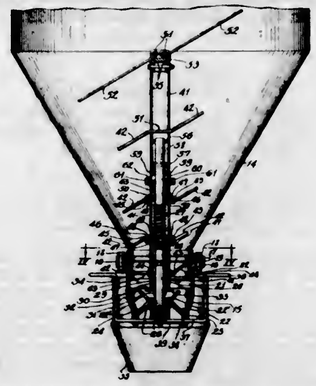
2,042,739

POWDER BIN DISCHARGE STRUCTURE

Cecil H. Smith, Elmira, N. Y., assignor to American-La France and Foamite Corporation, New York, N. Y., a corporation of New York

Application March 7, 1934, Serial No. 714,429
20 Claims. (Cl. 221—120)

1. Powder bin discharge structure comprising a bridge-breaker adapted to be supported within a powder bin on fixed structure at the bottom of the bin, and a valve commanding the discharge opening of the bin, operatively related to the bridge-breaker and having its stem threaded



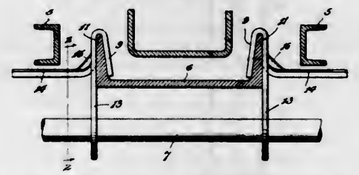
through a nut in said fixed structure, the threads being enclosed against access of powder thereto.

2,042,740

COMBINED BRAKE BEAM AND BOTTOM ROD SUPPORT FOR CARS

Richard D. Smith, Andover, Va., assignor of one-half to Joseph L. Ortner, Cincinnati, Ohio

Application October 21, 1935, Serial No. 46,006
8 Claims. (Cl. 188—210)



1. A safety device for car trucks comprising an integral bracket having a vertical rod supporting loop terminating at its upper end in an overhanging hook for engagement with a flange of a spring-board, a brake beam supporting arm extending laterally from that side of the bracket opposite the hook, and a brace connecting the arm and adjacent portion of the hook.

2,042,741

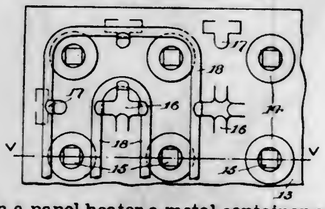
SYNTHETIC RESINS AND PROCESS OF MAKING SAME

Theodor Sutter, Basel, Switzerland, assignor to the firm of Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application March 29, 1934, Serial No. 718,080. In Switzerland March 29, 1933
16 Claims. (Cl. 260—3)

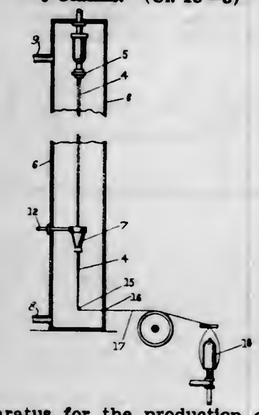
5. In the process of manufacturing condensation products from drying oil, a primary aromatic amine, and formaldehyde, the steps of condensing a primary aromatic amine with formaldehyde and subjecting this product together with a drying oil, in presence of an acid catalyst, to heat to cause a reaction therebeween, and treating the product of the reaction with an amount of an aldehyde securing an aldehyde content of at least one molecular proportion of aldehyde to each amine group.

2,042,742
ELECTRICAL HEATING SYSTEM FOR BUILDINGS
Joseph Henry Taylor, Huddersfield, England
Application April 20, 1934, Serial No. 721,632
In Great Britain June 15, 1932
3 Claims. (Cl. 219—19)



3. In a panel heater a metal container comprising a base plate having a plurality of apertures therein bordered by inturned lip portions, insulated electrical cable wound about said lip portions, and a cover plate over said base plate and having inturned attaching lips engaged with certain of said base plate lip portions to interlock said base and cover.

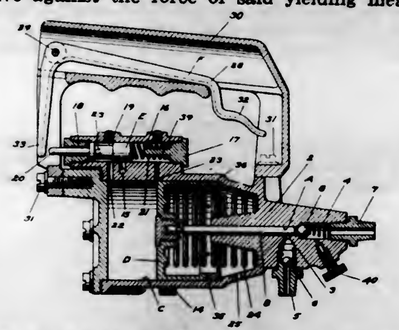
2,042,743
PRODUCTION OF ARTIFICIAL FILAMENTS
William Ivan Taylor, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application September 4, 1929, Serial No. 390,354
In Great Britain September 19, 1928
6 Claims. (Cl. 18—8)



5. Apparatus for the production of artificial filaments by the dry spinning method comprising a spinning cell, a spinning jet in said cell, a pipe for supplying a gaseous stream, and a device attached to said pipe comprising two tubes having an annular space between and adapted to direct said stream onto the filaments extruded from said jet in the direction of their travel, the filaments being drawn through the inner tube and projected from the device by the action of the gaseous stream issuing from the device.

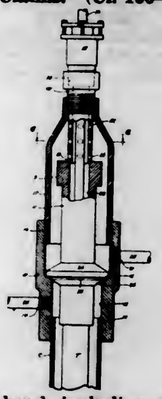
2,042,744
LUBRICATING DEVICE
Harry R. Tear and Harris C. Roth, South Bend, Ind., assignors to The Lubrication Corporation, South Bend, Ind., a corporation of Delaware
Application July 22, 1932, Serial No. 623,942
9 Claims. (Cl. 221—47.3)

1. A fluid motor comprising, a motor cylinder, a movable element in said cylinder, a valve movable through a fixed path for controlling inlet and exhaust of fluid to and from said motor cylinder, yielding means for urging said valve to one limit of its travel, means for moving the valve against the force of said yielding means



to the opposite limit of its travel, and fluid pressure responsive means operable upon movement of said movable element to a predetermined position in said cylinder for augmenting said yielding means to oppose force applied to said valve through the medium of said valve moving means.

2,042,745
TUBING HEAD
Walter N. Thompson, La Habra, Calif.
Application March 5, 1934, Serial No. 714,034
7 Claims. (Cl. 166—14)

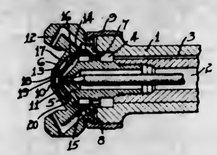


1. A tubing head, including a body to be attached to a well casing and having a vertical opening communicating with the casing, an upwardly facing seat on the wall of the opening, a removable cap on the upper end of the body, a tubular member adapted to be attached to the upper end of a string of tubing in the well, a part on the member cooperating with the seat to support the string of tubing, the member projecting from the body into the cap, and a head on the member within the cap shaped for external engagement by an elevator when the cap is removed.

2,042,746
SPRAY HEAD
Robert W. Tracy, Toledo, Ohio, assignor to The De Vilbiss Company, Toledo, Ohio, a corporation of Ohio
Application January 18, 1934, Serial No. 707,082
2 Claims. (Cl. 299—140.1)

1. In a spray head, an inner material discharge nozzle having a surrounding flange rearwardly

of its discharge end forming a conical seat, an intermediate nozzle surrounding the discharge end of the inner nozzle and seating at its rear end against said seat, an outer air discharge nozzle enveloping the intermediate nozzle and mounted thereon, and means acting on the outer



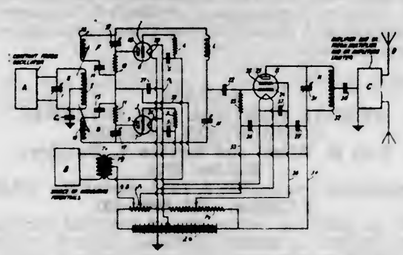
nozzle to retain it on the intermediate nozzle and to hold the intermediate nozzle to its seat, the discharge orifices of said nozzles being concentric and spaced from each other to provide annular discharge orifices between the inner and intermediate nozzle and the intermediate and outer nozzles.

2,042,747
SULPHONATED OXYGENATED COMPOUNDS OBTAINED BY CATALYTIC HYDROGENATION OF OXIDES OF CARBON
Heinrich Ulrich and Karl Saurwein, Ludwigshafen-on-the-Rhine, and Fritz Siefert, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application August 29, 1932, Serial No. 630,906. In Germany September 23, 1931
6 Claims. (Cl. 260—99.12)

1. The process for the production of wetting agents for alkaline mercerizing liquors, which comprises reacting a sulphonating agent at a temperature up to 80° C. with the fraction of oily products boiling between 120° C. and 160° C. of the products of the catalytic reduction of oxides of carbon by means of hydrogen.

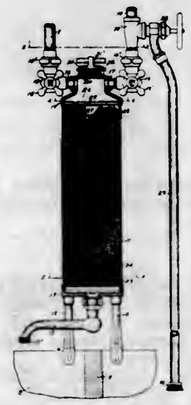
5. A difficultly water-soluble product obtained by treating with sulphonating agents the fraction of oily products boiling between 120° and 160° C. of the products of the catalytic reduction of oxides of carbon by means of hydrogen, which product contains sulphuric esters of alcohols contained in said oily products and is soluble in alkaline mercerizing liquors.

2,042,748
MODULATING MEANS
George L. Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application September 20, 1932, Serial No. 633,955
23 Claims. (Cl. 179—171)



2. The combination of a source of high frequency oscillations and a thermionic modulator tube, of a pair of tank circuits coupled to said source, means for tuning each tank circuit to a different frequency, a variable resistance in each of said tank circuits, impedances of similar character connecting each tank circuit to the control electrode of said tube, and circuits for varying said resistances at signal frequency.

2,042,749
WATER SOFTENER
George W. Van Eweyk, Milwaukee, Wis.
Application November 16, 1933, Serial No. 698,244
3 Claims. (Cl. 210—24)

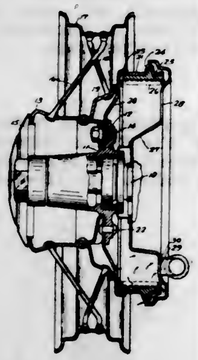


1. A water softener for connection with a two compartment laundry tub and hot and cold water supply therefor, comprising a tubular receptacle having an upper and a lower headed end interposed between the tub and the water supply, valved connections between the upper head and the hot and cold water supply, a swing spout connected to the lower head for supplying hot or cold or tempered water to either tub compartment, screen partitions within the receptacle adjacent the heads, one of said screen partitions having a charging opening and a closure therefor, a water softening material in the receptacle between the partitions, means for directing a back washing flow of water upwardly through the swing spout and the receptacle, said upper head having a charging opening for receiving a medium for restoring the water softening quality of the material within the receptacle when it becomes exhausted, and an easily removable closure for the head opening removable without disconnecting the receptacle from the water supply.

2,042,750
BRAKE DRUM CONSTRUCTION
Andrew S. Van Halteren, Akron, Ohio, assignor to Motor Wheel Corporation, Lansing, Mich., a corporation of Michigan
Application August 13, 1934, Serial No. 739,626
10 Claims. (Cl. 188—264)

1. In a wheel construction, a rotatable hub portion, a brake drum mounted on said hub portion, said brake drum including a substantially horizontal outer drum ring portion and a substantially vertical drum back portion provided with an inlet opening, a perforated protective plate mounted on said back portion in spaced relation to the inlet opening therein, and a non-rotative

backing plate mounted adjacent said drum ring



portion, said backing plate being provided with means for drawing air therethrough.

2,042,751
METHOD OF MAKING COLORED TEXTILE YARNS AND FABRICS
William Whitehead, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application March 2, 1934, Serial No. 713,783
7 Claims. (Cl. 8—5)

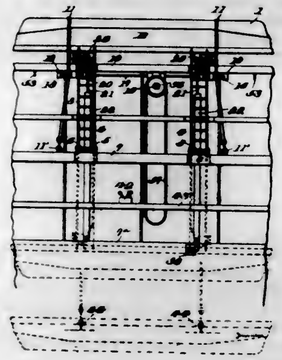
3. The method of producing colorations on organic derivative of cellulose material, which comprises applying to said material a water-insoluble coloring matter, having an affinity for organic derivatives of cellulose, from an aqueous emulsion comprising a sulphonated mineral oil as the emulsifying agent and an unsulphonated oil, the particles of the unsulphonated oil having the water-insoluble coloring matter dissolved therein.

2,042,752
TEXTILE YARNS AND FABRICS AND METHOD OF MAKING SAME
William Whitehead, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application March 2, 1934, Serial No. 713,784
11 Claims. (Cl. 8—5)

1. Process for the production of colorations on textile materials, which comprises applying to the said materials a solution of a coloring matter in a lubricant containing a sulphonated naphthene.

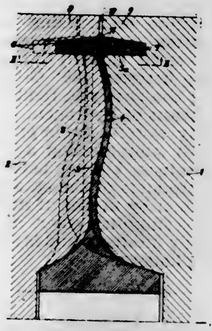
2,042,753
APPARATUS FOR LAUNCHING LIFEBOATS
Richard Clarke Wilson, Miami, Fla.
Application March 5, 1935, Serial No. 9,486
7 Claims. (Cl. 9—22)

1. A life boat launching apparatus, comprising substantially L-shaped pivoted supporting davits adapted to have life boats stowed thereon in inverted position, power means for moving said frames outboard to place said boats in normal loading position, flexible cables connected to said power means and one of said boats for actuating said davits, pivoted means for locking said davits in and disengaging said davits from their stowed



position, said means being adapted to be actuated by said cables.

2,042,754
PRESSING VEHICLE WHEEL
Moritz Winkler, Bochum, Germany, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany
Application August 5, 1932, Serial No. 627,669
In Germany March 10, 1932
6 Claims. (Cl. 29—159.01)

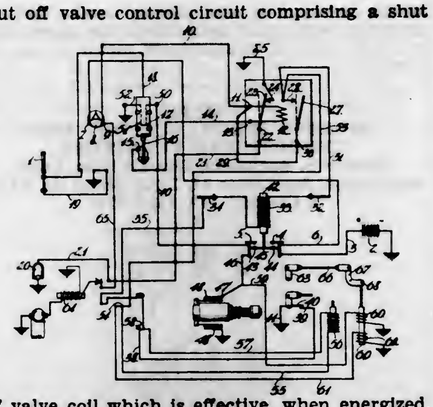


1. The method of producing wheels undulated in concentric section which consists in rolling the wheels without undulating and with a relatively wide rim and then undulating the wheel together with the rim in concentric section without relative displacement of them by a pressing operation and then removing the surplus material from the rim.

2,042,755
REMOTE CONTROL FOR INTERNAL COMBUSTION ENGINES
Earl R. Witsel and Reuben L. Humbert, Kohler, Wis.
Application September 3, 1931. Serial No. 560,984
4 Claims. (Cl. 290—38)

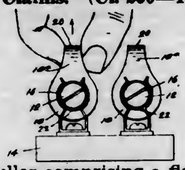
2. In starting means for an internal combustion engine, a switch operated control circuit, a relay in said control circuit, a circuit controlled by said relay and including a starting motor, and a shut off valve control circuit parallel to said control circuit and controlled by said relay, said

shut off valve control circuit comprising a shut



off valve coil which is effective, when energized, to open a shut off valve.

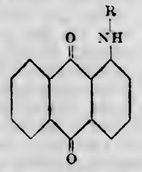
2,042,756
FUSE AND FUSE PULLER
Morris B. Wood, Newburyport, Mass., assignor to The Chase-Shawmut Company, Newburyport, Mass., a corporation of Massachusetts
Application August 31, 1934, Serial No. 742,248
2 Claims. (Cl. 200—113)



1. A fuse puller comprising a flat strip of electrically insulating material having at each end an aperture in both of which a cartridge type fuse is adapted to be received when the strip is reflexed transversely of its length between its ends, the ends of the strip being materially wider than the diameter of the apertures so that they outstand materially beyond the fuse clips in which the end caps of the fuse are received when the fuse is in use whereby to constitute insulating barriers that are interposed between the fuse clips and the fingers.

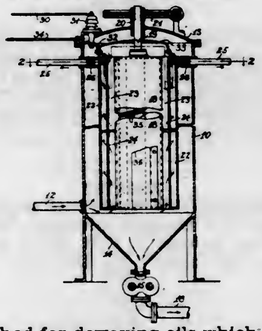
2,042,757
PROCESS OF PREPARING ACID WOOL DYESTUFFS OF THE ANTHRAQUINONE SERIES AND THE DYESTUFFS THUS OBTAINABLE
Karl Zahn and Heinrich Koch, Frankfort-on-the-Main, and Klaus Weinand, Leverkusen-I. G. Werk, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application March 1, 1934, Serial No. 713,612. In Germany March 1, 1933
18 Claims. (Cl. 260—60)

13. The compounds of the following general formula:



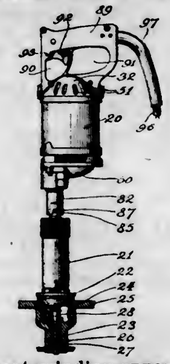
wherein —NH—R represents the radical of an aromatic mono-amino compound containing at least two directly linked nuclei one of which is hydrogenated, and wherein there is contained in alpha-position of the anthraquinone nucleus a further —NH.R radical of the same meaning or a substituent of the group consisting of —NH_2, —NH.alkyl and —NH.aryl and wherein there may be contained further substituents of the group consisting of halogen and alkyl and wherein the R radicals may contain a sulfo group.

2,042,758
PROCESS AND APPARATUS FOR DEWAXING OILS
Blair G. Aldridge, Los Angeles, and Basil Hopper, San Pedro, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application September 18, 1933, Serial No. 689,976
13 Claims. (Cl. 204—24)



1. A method for dewaxing oils which comprises passing a mixture of wax and oil through an electric field between a pair of electrodes, depositing wax on one of said electrodes and withdrawing oil from which wax has been removed through the other electrode.

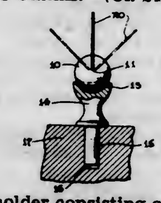
2,042,759
VALVE SEAT GRINDING MACHINE
Frans O. Albertson, Sioux City, Iowa, assignor to Albertson & Company, Inc., Sioux City, Iowa, a corporation of Iowa
Application December 23, 1932, Serial No. 648,564
Renewed May 11, 1935
11 Claims. (Cl. 51—241)



3. In a valve seat grinding apparatus, the combination of a tool holder with a grinding wheel and means for supporting said grinding wheel fixedly upon said tool holder and with the grinding wheel tilted with respect to the axis of said

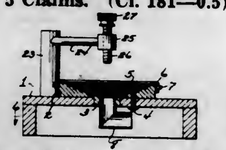
tool holder, said means comprising a threaded connection and a tapered spacing member interposed between a part of said grinding wheel and said tool holder.

2,042,760
CARD OR PRICE TICKET HOLDER
Edmund J. Baas, Rochester, N. Y.
Application June 12, 1935, Serial No. 26,300
3 Claims. (Cl. 248—33)



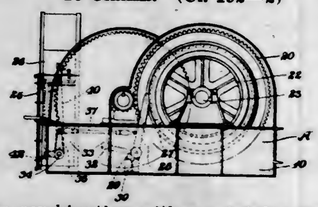
3. A card holder consisting of a support having a bore, a pedestal having an upper concave socket, and a lower stem seated in the bore of the support, and a member having card holding means and a spherical surface universally movably seated in the socket of the pedestal.

2,042,761
MECHANISM TESTING DEVICE
Arya L. Bennett, Sheridan, Ind.
Application October 2, 1934, Serial No. 746,599
5 Claims. (Cl. 181—0.5)



1. A testing device for delicate mechanisms, comprising a platform, amplifying means secured to the platform and including a cup-shape member, a diaphragm for supporting mechanism to be tested and secured to the cup-shape member, mechanism clamping means pivotally mounted on the platform, and sound transmitting means in communication with the amplifying means.

2,042,762
PAWL RELEASE
Ola L. Berby, Duluth, Minn., assignor to Clyde Iron Works, Duluth, Minn., a corporation of Maine
Application May 11, 1935, Serial No. 21,048
10 Claims. (Cl. 192—2)



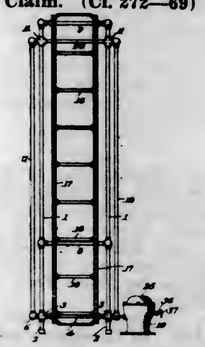
3. In combination with a rotatable member, a motor for rotating said member, a controller for starting said motor to selectively rotate said motor in either direction, means for engaging said rotatable member to prevent rotation thereof in one direction, means for moving said engaging means into and out of operative position, and means operated by said moving means and cooperable with said controller for preventing actuation thereof to start said motor in one direction.

2,042,763
SAGLESS SPRING SUPPORT FOR UPHOLSTERED FURNITURE
Samuel S. Bernstein, Beverly Hills, Calif.
Application September 21, 1935, Serial No. 41,595
8 Claims. (Cl. 155—179)



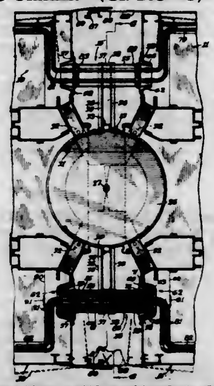
8. In an article of furniture, a seat embodying: a frame; a fabric sheet; means rigidly connecting opposite ends of said sheet to said frame, said sheet being provided with folds near its sides forming gusset strips; yieldable means connecting said folds to the sides of said frame; means securing the edges of said gusset strips to said frames; a plurality of webbing strips positioned beneath said sheet in substantially parallel relation with said folds; means rigidly securing one end of each strip to the corresponding end of said frame; tension means yieldably securing the opposite end of each strip to the opposite end of said frame; and a plurality of rows of cushion supporting springs supported on said sheet above said strips of webbing.

2,042,764
EXERCISER
Erastus Franklin Birch, Eureka, Utah
Application December 3, 1934, Serial No. 755,803
1 Claim. (Cl. 272—69)



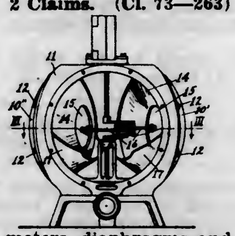
In an exerciser, spaced standards, a cross bar connecting the lower ends of the standards, horizontal side bars extending from the lower ends of the standards, a cross bar connecting the side bars, supporting feet for the standards and for the side bars, inclined braces connecting the upper ends of the standards to the outer ends of the side bars, a cross bar connecting the upper ends of the standards, spaced sprockets on each of the said cross bars, parallel endless chains trained around the sprockets, ladder rungs connecting the chains at intervals, and means for controlling movement of the chains as the weight of the user encounters the ladder rungs.

2,042,765
CONDUIT CONNECTION BETWEEN CAR BODIES
Martin P. Blomberg, Chicago, Ill., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application March 26, 1934, Serial No. 717,418
9 Claims. (Cl. 105—8)



1. In combination with articulated car sections including a truck bolster adapted to support adjacent ends of the sections, a relatively rigid tube carried by the bolster in substantially horizontal position between the car sections, and means for connecting the ends of the tube to openings in the adjacent sections, said means being both extensible and contractible to accommodate relative movement of the car sections.

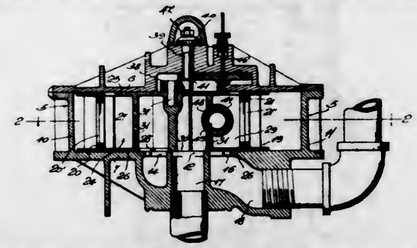
2,042,766
GAS METER
William B. Brown, Wichita, Kans.
Application May 21, 1934, Serial No. 726,638
2 Claims. (Cl. 73—263)



1. In gas meters, diaphragms and a valve operable in said meter, said valve being positioned below said diaphragms, a sector shaped shield for each of said diaphragms, each shield being positioned intermediate its respective diaphragm and said valve, the combination of each shield and its respective diaphragm forming an open top reservoir for the retention of liquids against drainage to said valve.

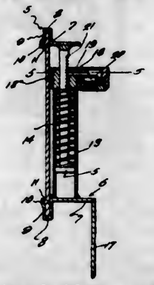
2,042,767
LEAKAGE COMPENSATING METER
Walter S. Brubaker, San Francisco, Calif., assignor to Granberg Meter Corporation, San Francisco, Calif., a corporation of California
Application July 15, 1932, Serial No. 622,770
3 Claims. (Cl. 73—240)

3. In a meter of the displacement type through which leakage occurs, said meter having two measuring chambers, a piston member forming in part said two measuring chambers, one of said chambers being an expanding inletting chamber while the other is a contracting outletting chamber and vice-versa during meter operation; shiftable means carried by said piston member and exposed to both of said chambers, said shiftable means being shiftable by the pressure difference



between inletting and outletting chambers to produce added expansion of the former and added contraction of the latter as flow and meter speed increase and vice-versa, the differences in fluid displacement of the chambers serving to compensate for leakage, and yieldable means for resisting the movements of said shiftable means.

2,042,768
BRACKET FOR AUTO LICENSE TAGS OR THE LIKE
Lloyd M. Bruns, Wabasso, Minn.
Application June 21, 1935, Serial No. 27,763
5 Claims. (Cl. 40—125)

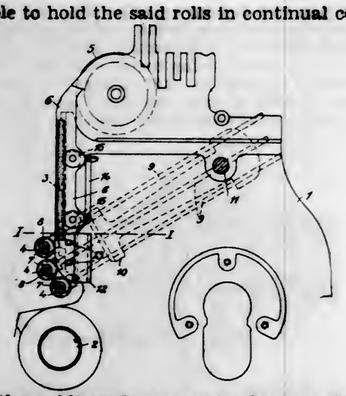


1. A license tag holder comprising a pair of telescopic members, resilient means connected with said members, tending to telescope the members, and a clamping element on the free end of each member, said clamping element including a body plate secured to its respective member, and said body plate at one edge having a flange extended at right angles thereto and reversely bent upon itself to provide a channel adapted to receive an edge of the license tag.

2,042,769
INKING APPARATUS FOR PLATEN PRINTING PRESSES
Artur Büttner, Heidelberg, Germany, assignor to Schnellpressenfabrik Aktiengesellschaft Heidelberg, Heidelberg, Germany
Application April 8, 1935, Serial No. 15,346
In Germany May 12, 1934
6 Claims. (Cl. 101—359)

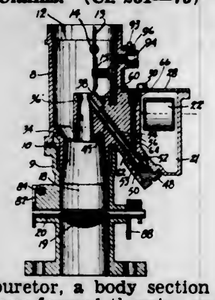
1. A guiding device for the ink distributing rollers of platen printing presses, comprising, in combination, with said rollers guide rolls connected to said rollers, and guide rails for said rolls, said guide rails forming magnets so as to

be able to hold the said rolls in continual contact



with the guide surface so as to obtain a slip-free rolling of the said guide rolls on said rails.

2,042,770
CARBURETOR
Milton E. Chandler, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application May 7, 1932, Serial No. 609,931
5 Claims. (Cl. 261—75)



1. In a carburetor, a body section having an induction passage formed therein, and a second body section comprising a portion forming a continuation of said induction passage, a venturi formed integral with said portion and telescoping within said induction passage, a second venturi positioned to discharge into the first named venturi, and a fin connecting the two venturis and formed integral therewith and provided with a fuel conduit discharging within the second venturi.

2,042,771
WINDOW
Wesley Eugene Dennis, Ithaca, N. Y.
Application June 25, 1932, Serial No. 619,322
1 Claim. (Cl. 20—49)



In a window, the combination with a window frame having stops forming opposing guide channels, a sash having slides at the edge of its stiles, said slides slidably fitting the channels, and the sash being pivoted to the slides and having releasable means for normally holding the sash from pivotal movement, the slide being formed with a lengthwise recess in its face opposed to the bottom of the channel, and being also formed with a lip extending lengthwise thereof extending into the recess, a spring consisting of a strip extending lengthwise of the bottom of the channel and secured thereto and extending in the recess, the spring pressing against the bottom of the recess in the slide and tending to press the slide outward against the sash, and said lip extending between the spring and the bottom of the channel.

2,042,772
HONEY GATE
Ernest Fahlbeck, Rockford, Ill.
Application February 14, 1935, Serial No. 6,572
4 Claims. (Cl. 221—12)



1. A closure for receptacles comprising a lower plate having an opening therein, a screw threaded neck surrounding said opening and connected to said lower plate to receive the neck of a receptacle, adjustable means on said screw threaded neck to permit accommodation of various sizes of receptacles, and an upper plate pivotally connected to the lower plate to form a closure for the opening in said lower plate.

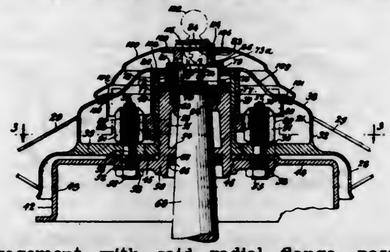
2,042,773
BROILER
Albert M. Feldman, New York, N. Y., assignor to Dewar Manufacturing Company, Brooklyn, N. Y.
Application August 9, 1935, Serial No. 35,413
14 Claims. (Cl. 53—5)



7. The combination with a circular pan having a raised central portion with radial openings therein and a continuous circumferential trough around the periphery thereof; of a second circular pan superimposed above said former pan, and also having a raised central portion with radial openings therein and means supporting said second pan above said first pan.

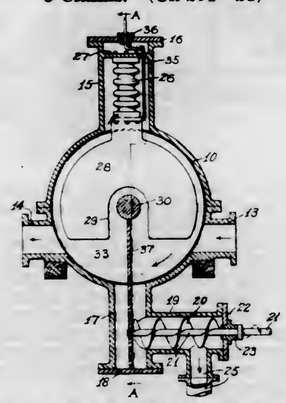
2,042,774
LOCKING DEVICE FOR MOTOR VEHICLE WHEELS
Casimiro Ferro, Bayonne, N. J.
Application June 16, 1934, Serial No. 730,854
2 Claims. (Cl. 301—9)

2. In a locking device for a vehicle wheel the combination of an inner hub, a radial flange integral with the inner hub, a hub for the wheel, a clamping and locking wall having openings integral with the latter hub, a sleeve extending from said wall supported on the inner hub, a cap rotatively supported on said sleeve, said cap comprising a cylindrical shell, a spur gear integral with the open end of said shell, a head for the shell of said cap, a projection integral with the head of said shell, a barrel having a longitudinal rectangular opening extending therethrough integral with said projection, a pot supported upon and fastened to said inner hub, a head for the pot extending into said projection, studs in threaded



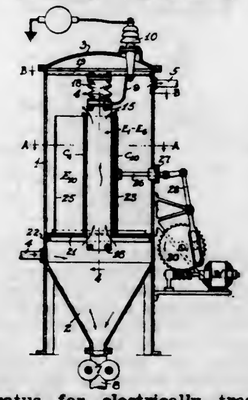
engagement with said radial flange, passing through the openings of said clamping and locking wall, a shank for each stud, a threaded stem extending from each shank, a locking pinion in threaded engagement with each threaded stem and in mesh with said spur gear, a bearing ring positioned upon said cap and having radially extending arms secured to the wheel hub to hold the cap in operative position on said wheel hub.

2,042,775
APPARATUS FOR DEWAXING OIL
Harmon F. Fisher, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application September 18, 1933, Serial No. 689,984
6 Claims. (Cl. 204—24)



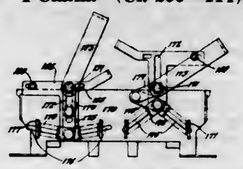
1. An apparatus for dewaxing wax-bearing oil comprising a chamber, a stationary electrode disposed within said chamber, a movable plate electrode within said chamber adjacent said stationary electrode but without contact therewith, means in engagement with said plate electrode adapted to move the same, means in communication with said chamber to pass wax-bearing oil between said stationary and movable electrodes, means in electrical contact with said electrodes adapted to impress an electric field on the oil and to cause depositing of wax therefrom, and scraping means in engagement with said movable electrode to remove the wax deposited thereon, said scraping means being in the direction of flow of the incoming wax-bearing oil and serving as a baffle to deflect said oil to the treating space between said electrodes.

2,042,776
APPARATUS FOR DEWAXING OIL
Harmon F. Fisher, Los Angeles, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application September 18, 1933, Serial No. 689,985
7 Claims. (Cl. 204—24)



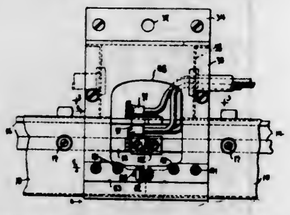
1. Apparatus for electrically treating wax-bearing oil comprising a tank to contain the oil to be treated, an electrode in said tank, means contacting said electrode to remove wax from said electrode, means to impart a relative reciprocating motion between said electrode and said wax removing means, means to withdraw treated oil from said tank and means to withdraw wax from said tank.

2,042,777
OPERATING MECHANISM FOR SWITCHES
Harrison J. L. Frank, Joseph A. Messing, and William A. Harper, Detroit, Mich., assignors to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Original application July 23, 1931, Serial No. 552,684, now Patent No. 1,931,319. Divided and application August 19, 1933, Serial No. 685,972, now Patent No. 1,973,618. Divided and this application August 16, 1934, Serial No. 740,134
1 Claim. (Cl. 200—114)



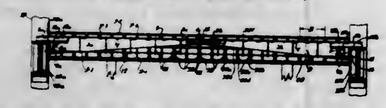
In a switch, a base, a fuse carrying head for cooperation therewith, a unitary carrier constructed in the nature of a frame, none of whose parts move relative to one another, means for guiding the carrier to move with respect to the base in a guided rectilinear path to and from the base, the head being pivotally connected to and pivotally supported by the carrier so as to move therewith, resilient means for holding the carrier stationary when the same has been withdrawn from the base, and latch means for latching the head to and rendering it immovable with respect to the carrier and releasable for permitting the head to move pivotally with respect to the carrier, when the carrier has been withdrawn from and is held withdrawn from the base, to expose the fuses of the head for refusing.

2,042,778
ELECTRICAL DISTRIBUTION SYSTEM
Harrison J. L. Frank and William A. Harper, Detroit, Mich., assignors to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Application November 12, 1934, Serial No. 752,576
4 Claims. (Cl. 247—3)



1. A sectional trolley duct installation comprising sections of trolley duct and combined hangers, cable entrances, and duct juncture means of the type that provide sockets for adjacent ends of duct sections, the sections containing bus bars therein which are to be joined at the duct junctures, the duct and hangers having openings affording access to the bus bar ends within the duct installation for bus bar connection, the hangers also affording entrance for cables to the bus bar junctures from outside the duct, the cables being secured to the bus bars through the duct and hanger openings.

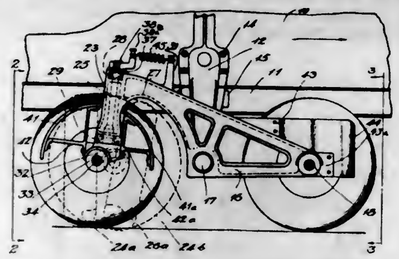
2,042,779
JOIST FOR JOIST AND TILE CONSTRUCTION FOR FLOORS AND THE LIKE
Hurxthal F. Frease, Canton, Ohio
Original application May 23, 1931, Serial No. 539,545. Divided and this application December 12, 1932, Serial No. 646,867
13 Claims. (Cl. 72—61)



1. A self-sustaining and load sustaining spanning structure including transversely spaced longitudinally extending chord members, and truss means maintaining the chord members in load sustaining positions throughout the span length thereof, the chord members including normally lower chord members laterally spaced from each other and a normally upper chord member located between normally vertical planes passing through the normally lower chord members.

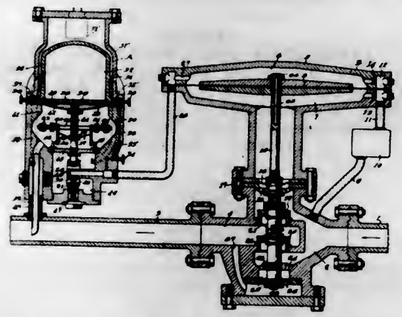
2,042,780
VEHICLE
Edward R. Greer, Cedar Rapids, Iowa, assignor to La Plant-Choate Manufacturing Company, Incorporated, Cedar Rapids, Iowa, a corporation of Delaware
Application February 10, 1934, Serial No. 710,633
3 Claims. (Cl. 280—80)

1. In a vehicle, a rocking beam pivotally attached to the body of the vehicle, running gear attached to the rocking beam comprising pairs of ground engaging wheels, each pair of wheels having cambered relation to each other, means whereby one of each pair of wheels so connected is mounted for castor movement, comprising a castor spindle support and a castor spindle, the castor spindle having at its lower extremity an integral rearwardly extending support for stub axles so that a center line through the spindle and a vertical plane through the stub axles will



intersect at a point below the bottom of the ground engaging wheels.

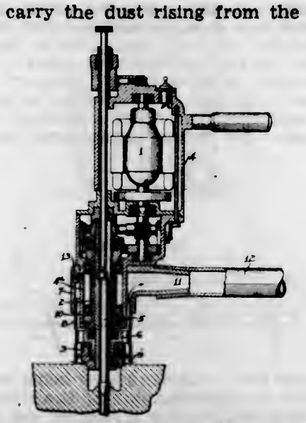
2,042,781
FLOW REGULATING VALVE
Marvin Henry Grove, Salem, Va.
Application January 6, 1932, Serial No. 585,083
1 Claim. (Cl. 50—12)



In a control valve, a casing, a dome-shaped member having a flange with inlet and outlet passages in the flange leading to the interior of the member, needle valves for the passages, a diaphragm closing the dome-shaped member, a valve stem supporting member disposed adjacent to the diaphragm, a second diaphragm placed on the other side of the supporting member, and a valve stem extending through the second diaphragm and being secured to the supporting member, said diaphragms and dome-shaped member being secured to the casing.

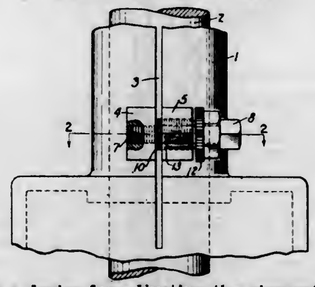
2,042,782
DUST REMOVING MEANS FOR VALVE SEAT GRINDERS OR THE LIKE
Ernest A. Hall, Toledo, Ohio, assignor to The Hall Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application May 26, 1934, Serial No. 727,875
11 Claims. (Cl. 51—241)

1. The combination with a valve-seat grinding tool having a grinding wheel, pilot means for adjustably supporting the tool relative to the work, and driving means for said wheel, of a fan carried by a rotating part of said driving means, and means carried by the tool and forming a passage in which said fan is disposed and through which a draft is created by an operation of the fan to carry the dust rising from the grinding



operation to a predetermined point, said last means being freely movable relative to the work.

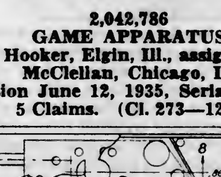
2,042,783
ADJUSTING MEANS FOR SLEEVE BEARINGS
Ernest A. Hall, Toledo, Ohio, assignor to The Hall Manufacturing Company, Toledo, Ohio, a corporation of Ohio
Application September 1, 1934, Serial No. 742,421
2 Claims. (Cl. 308—65)



1. In a device for adjusting the circumferential dimension of a sleeve bearing having a longitudinal slot, shoulders carried by said bearing at opposite sides of said slot, a tubular micrometer screw threadedly engaged with one of said shoulders and having its nose abutting the other of said shoulders, said micrometer screw having a calibrated cylindrical projection adjacent its head, a reference line carried by said first shoulder adjacent said micrometer screw, and a cap screw extending through said micrometer screw and threadedly engaged with said second shoulder whereby said shoulder is drawn into engagement with said micrometer screw.

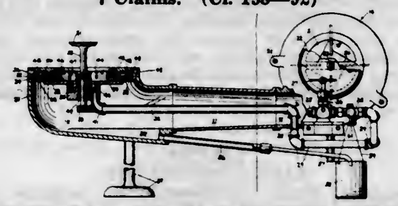
2,042,784
PUMP
William B. Harsel, Indianapolis, Ind.
Application September 24, 1934, Serial No. 745,188
8 Claims. (Cl. 103—95)

1. In a pump of the class described, the combination of a casing of triangular form adapted for rotation in a fluid, a plurality of passages through the casing, a common discharge duct communicating with the passages, two openings for each passage through the perimeter of the casing adjacent each angle of the triangle and on each side of the apex thereof, and a deflector pivoted at each apex and responsive to pressure



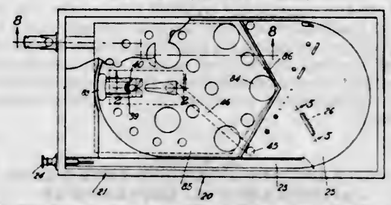
of the fluid to close one of the openings for each passage and to open the other whereby the casing may be rotated in either direction.

2,042,785
OIL BURNER
Leslie W. Holmes, Stratford, Conn., assignor to Oronoque Oil Burner Corporation, New York, N. Y., a corporation of Delaware
Application June 27, 1930, Serial No. 464,197
7 Claims. (Cl. 158—92)



1. An oil burner having a combustion chamber including a saucer to which fuel oil is delivered to be there ignited and burned and defined by an outer edge; means for conveying air under pressure to the combustion chamber; and means for dividing said saucer into a fuel burning and non-fuel burning section and for causing streams of air to pass successively upwardly over the edge of the saucer next downwardly into the non-fuel burning section and then into the fuel burning section of the saucer through a plurality of orifices at different levels as radially directed streams into the fuel burning section of the saucer, the area of the orifices on the lower level being greater than that of those on the upper level so that the quantity of air being admitted at the level of the saucer is greater than that admitted at a slightly higher level.

2,042,786
GAME APPARATUS
Donald E. Hooker, Elgin, Ill., assignor to Fred C. McClellan, Chicago, Ill.
Application June 12, 1935, Serial No. 26,097
5 Claims. (Cl. 273—121)



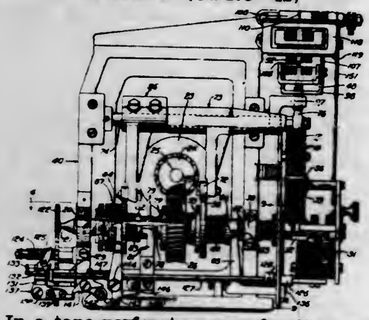
3. In a game apparatus, the combination of: a cabinet including a member providing a ball playing surface provided with a ball seat; a plurality of contact members or targets movably mounted upon said playing surface; means

for propelling a ball over said playing surface so that it may engage one of said contact members or targets; a pair of ball-reprojecting members movably mounted in said cabinet and adapted to reproject a ball off from said seat over said playing surface; and means actuated by a ball engaging one of said contact members or targets for simultaneously operating said ball reprojecting members either at substantially the same relative speed against a ball disposed upon said seat or at different speeds depending upon the particular one of said contact members or targets which is engaged by the played ball.

2,042,787
MANUFACTURE OF ARTIFICIAL SILK
Emil Hubert, Dessau-Ziebigk, and Arno Matthes, Dessau, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application March 8, 1934, Serial No. 714,722. In Germany March 14, 1933
2 Claims. (Cl. 18—54)

1. In the process of spinning artificial silk the steps which comprise winding artificial silk on perforated bobbins, treating the silk on said bobbins with liquid by forcing the liquid through the silk and the perforations, and drying the silk while closing the perforations so that all the moisture evaporates through the outer layers of the winding of fibers.

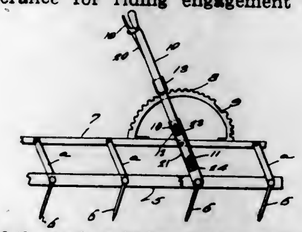
2,042,788
TAPE PERFORATOR
Howard L. Krum, Kenilworth, Ill., assignor to Teletype Corporation, Chicago, Ill., a corporation of Delaware
Application July 1, 1933, Serial No. 678,632
22 Claims. (Cl. 178—42)



1. In a tape perforator, a perforating mechanism, a selecting mechanism responsive to signals for controlling the operation of said mechanism, means for advancing the tape with each operation of the perforating mechanism, a cam mechanism, and means constantly tending to operate but rendered ineffective during normal signaling periods including a duality of clutches cooperatively related to each other and to said cam mechanism effective upon a cessation of signals for operating said advancing mechanism a predetermined amount.

2,042,789
COLLAPSIBLE CONTROL LEVER FOR AGRICULTURAL IMPLEMENTS
Emil J. Kuckuck, Pleasant Lake, Ind.
Application August 26, 1935, Serial No. 37,969
1 Claim. (Cl. 55—103)

In an agricultural machine, a tooth bar, a tie rod, teeth rockable on the tooth bar and provided with shanks pivotally connected to the said tie rod, a hand lever provided with a detent thereon, a link member pivotally connected to the tooth bar and tie rod and provided with a pair of spaced studs thereon, an arcuate rack mounted on the tie rod and provided with a pocket at one end thereof, said hand lever being provided with a protuberance for riding engagement with the



teeth of the rack, said hand lever being provided with a slot for receiving one of the studs, said lever being provided with a bayonet slot for detachably receiving the other stud, said last mentioned stud being disengageable from the hand lever when the protuberance drops into the said pocket.

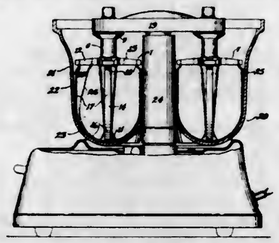
2,042,790
WELL POINT
William W. Lee, Maywood, Ill.
Application February 18, 1935, Serial No. 7,001
7 Claims. (Cl. 166—5)



1. In a device of the character described, a tubular strainer element having at the lower end a soil-piercing head provided with a jetting passage, a tube within and extending lengthwise through the strainer element to and in open communication with said passage, said tube having a large side opening near the lower end, and means including a sleeve slidable on said tube to close said opening when fluid is forced down through the tube and to uncover the opening when fluid is drawn up through the tube.

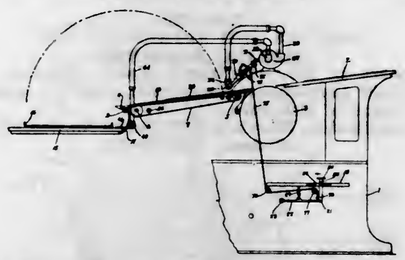
2,042,791
BEATER
Eugene F. Martinet, Cleveland, Ohio, assignor to The P. A. Geier Company, Cleveland, Ohio, a corporation of Ohio
Application April 2, 1934, Serial No. 718,807
10 Claims. (Cl. 259—102)

1. A beater including a shaft, a spring metal blade having a curved portion secured to one end of the shaft and having a straight portion normally extending parallel to the shaft terminating in a free end spaced from the shaft, and



means confining the free end for restricted movement to and away from the shaft.

2,042,792
STATIC ELIMINATOR
Henry J. McCoy, Minneapolis, Minn.
Application March 12, 1934, Serial No. 715,048
6 Claims. (Cl. 34—18)



1. In combination with a printing press, including feed tapes, a burner tube arranged over the tapes and adapted to apply flame heat directly to the printed side of a sheet carried on the tapes, an air pipe having openings adapted for blasting hot air also against the printed side of the sheet downwardly and forwardly in direction of travel of the sheet to spread the air, and a tube arranged below the tapes forwardly of the air pipe in direction of sheet motion, and having openings therein and means for creating a suction in the pipe.

2,042,793
FRAME FOR HANDBAGS, PURSES, OR THE LIKE
George S. Merk, Flushing, N. Y.
Application May 24, 1934, Serial No. 727,327
3 Claims. (Cl. 150—29)



1. As a new article of manufacture, a handbag frame comprising a pair of hinged members, each having a flat portion parallel to each other and contacting face to face when the frame is closed, and each having a pair of bag material clamping members at the upper outer portion of the flat portions, extending outwardly substantially at right angles to the flat portions, the outer surfaces of the pair of upper clamping members forming when the bag is closed a substantially continuous surface.

2,042,794
BLANK SUPPORT FOR A FORMING MACHINE
Felix Meyer, Aachen, Germany, assignor to Kimble Glass Company, Vineland, N. J., a corporation of Illinois
Application October 23, 1933, Serial No. 694,728
In Germany February 4, 1933
4 Claims. (Cl. 198—127)

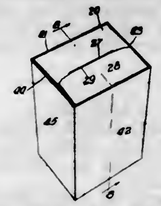


1. In a machine of the class described, means for rotatably supporting a glass tube comprising a pair of rotatable parallel rollers disposed in proximity to each other so as to support the tube with its axis parallel with the axes of the rollers, said rollers being rotatably driven and being grooved throughout their length to provide sharp angled bearing surfaces on which the tube rests.

2,042,795
PLASTIC COMPOSITION AND METHOD OF COMPOUNDING THE SAME
Arthur F. Rowe, Lansing, Mich.
No Drawing. Application January 5, 1934, Serial No. 705,397
7 Claims. (Cl. 106—37)

6. A plastic composition consisting of approximately one and one-half per cent (1½%) of litharge, sixty-eight and one-half per cent (68½%) of whiting, thirteen per cent (13%) of silex, and seventeen per cent (17%) of wood flour, combined with sufficient nitro-cellulose solution to form a moldable puttylike mass.

2,042,796
CONTAINER
Kenneth L. Murray, Evanston, Ill., assignor to Beatrice Creamery Company, a corporation of Delaware
Application January 2, 1932, Serial No. 584,314
7 Claims. (Cl. 229—23)



4. A container structure of the two-piece type adapted to be formed into a substantially liquid-tight receptacle comprising an inner carton blank cut to provide a bottom wall withtwo opposite inwardly folding flaps and two opposite side walls with end wall extensions, a plurality of foldable overlapping top closure flaps carried by the side and end walls at the ends thereof opposite the bottom wall and being adapted to form a closure for the top of the container when the inner carton blank is assembled, and an open-ended tube-like cover portion adapted to telescopically receive and closely surround the side and end walls of the inner carton blank when in assembled condition whereby the said blank is held in such

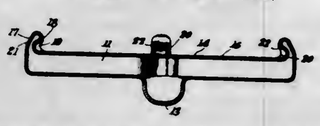
assembled condition only by the said tube-like cover portion and the said top flaps are in a condition to be readily opened for the serving of the contents while being substantially liquid proof when in said assembled condition.

2,042,797
METAL STRUCTURE
Abraham Nechin, Chicago, Ill., assignor to Zelda Nechin, Chicago, Ill.
Application September 11, 1931, Serial No. 562,215
17 Claims. (Cl. 189—34)



7. A drum-action proof floor structure of the character described comprising a plurality of thin, elongated sheet metal floor portions supported at their ends and secured together in parallel alignment, each having a slightly depressed obtuse angular floor surface with the apex substantially on the longitudinal axial line of the surface.

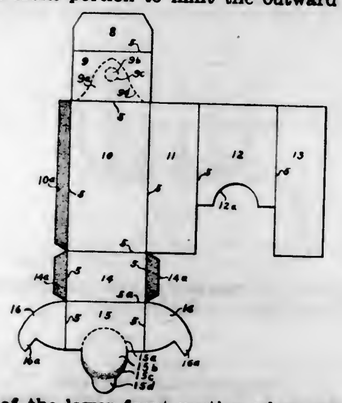
2,042,798
GAS BURNER
Emil Olson, New York, N. Y.
Application July 30, 1934, Serial No. 737,540
1 Claim. (Cl. 158—116)



A gas burner having intersecting hollow arms through which gas can pass, the upper surface of the arms being provided with openings through which the gas can escape, hollow end pieces of said arms extending above and toward the center of the burner, said end pieces having side extending projections one on each side of said end pieces to form protected zones, said end pieces being provided with jet outlets through which gas can escape into the protected zones, the jet outlets being so positioned in relation to said openings that the gas escaping from the jet outlets is directed over the gas escaping from the said openings.

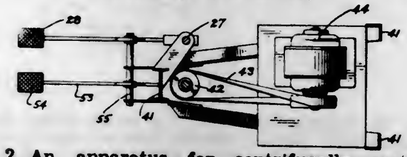
2,042,799
SHIPPING AND DISPENSING CARTON
William Ort, Wichita Falls, Tex., assignor of forty-nine per cent to Vernon L. Bolton, Wichita Falls, Tex.
Application March 18, 1935, Serial No. 11,721
1 Claim. (Cl. 206—31)

A carton substantially as specified comprising a single sheet embodying a back and upper and lower front portions at adjacent sides of the back and connected thereto by intermediate portions, the upper front portion having a notch in its lower end and the lower front portion having a tab partly separated therefrom and adapted to close the notch of said upper front portion and gummed thereto and having a loose extension to be grasped for tearing away the tab to release the lower front portion and form a notch corresponding with the notch of the upper front portion, said lower front portion having end extensions and projections, the latter engaging said upper front portion to limit the outward move-



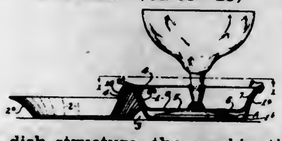
ment of the lower front portion when swung to provide a tray.

2,042,800
PROCESS AND APPARATUS FOR MAKING BEARINGS
Robert D. Pike, Piedmont, Calif., assignor to Kalif Corporation, Emeryville, Calif., a corporation of Delaware
Application March 9, 1929, Serial No. 345,705
5 Claims. (Cl. 22—65)



2. An apparatus for centrifugally casting bushings and the like, which comprises a vertically arranged rotating mold having means whereby a suitable preformed backing member may be retained therein, a distributor located substantially midway the ends thereof adapted to rotate with said mold and spray the molten metal outwardly into contact with the backing member by centrifugal force, and means for introducing a suitable gas into said mold while the metal is being poured.

2,042,801
COMBINATION DISH
Robert H. Pittman, Pittsburgh, Pa.
Application April 10, 1933, Serial No. 665,385
8 Claims. (Cl. 65—15)

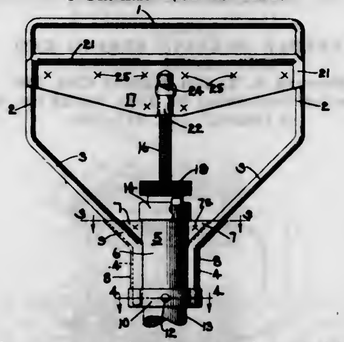


1. In a dish structure, the combination of an integrally formed two-compartment dish having an upwardly extending ridge between the two compartments, said ridge forming a virtual part of the edge of one of said compartments and being of substantially the same annular configuration, and means having a bottom part and upwardly extending portions, said upwardly extending portions being adapted for detachable engagement with the edge of said one compartment and with said ridge, for removably holding a sherbet glass or the like within said one compartment.

2,042,802
COLORATION OF MATERIALS
Herbert Platt, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application January 26, 1934, Serial No. 708,411
20 Claims. (Cl. 8—5)

1. The process of imparting color to textile materials which comprises applying thereto a natural mordant dyestuff requiring an after treatment with a salt of a chromic acid, an alkali salt of a cromic acid and a compound selected from the group consisting of oxalic acid, alkali salts of oxalic acid, ammonium thiocyanate and alkali sulphites.

2,042,803
MOP CONSTRUCTION
Walter H. Pleiss, Ludington, Mich.
Application March 25, 1935, Serial No. 12,829
3 Claims. (Cl. 15—153)



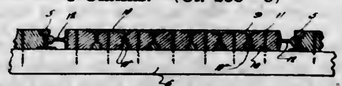
1. In a mop construction, an elongated handle, a bail formed with straight parallel ends and an angular portion adjoining each of the ends, means for mounting the elongated handle on the bail comprising, an assembling bracket formed of two similar parts, said similar parts being formed with depressed portions which, when secured together, form a portion shaped to receive the handle, flanges extending from each of the opposite edges of the depressed portions of the parts of the assembling bracket, a channel formed in the outer edge of each of the flanges to receive the straight and angular portions of the bail when secured together and means for securing the parts of the assembling bracket together.

2,042,804
BRIDLE RING FOR SUPPORTING TELEPHONE DROP WIRES
Frederick George Ridgers, Hamilton, Ontario, Canada, assignor to N. Slater Company, Limited, Hamilton, Ontario, Canada, a company of Canada
Application October 5, 1934, Serial No. 747,056
2 Claims. (Cl. 248—69)



1. In a bridle ring for supporting telephone drop wires adapted to be secured to a wall or the like by a nail, a forwardly directed hook member having a free extremity, an eye formed on the opposite end of the hooked member to its free extremity, a rigid portion extending forwardly from the eye, and a second eye formed at the forward end of such portion, said eyes being concentric about a common axis, a plane through the hooked member being disposed at an angle to such axis.

2,042,805
RAILROAD GRADE CROSSING
James F. Rose, Hibbing, Minn.
Application November 22, 1934, Serial No. 754,353
3 Claims. (Cl. 238—8)



1. A railroad grade crossing comprising in combination with a pair of rails between which the crossing is arranged, alternately laid separators and inverted salvaged rails disposed parallel to each other and to the aforementioned pair of rails, said separators being of substantially T-shape formation in cross section to provide lateral ribs fitting snugly between the base flanges and ball heads of the rails and in intimate contact with the webs of the rails and flush with the upper surface of the rails, and means for anchoring each of said separators to the ties.

2,042,806
BATTERY
Walter B. Schulte, Madison, Wis., assignor to Burgess Battery Company, Freeport, Ill., a corporation of Wisconsin
Application December 15, 1934, Serial No. 757,594
13 Claims. (Cl. 136—108)



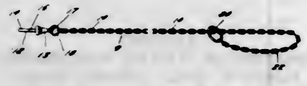
1. An electric battery comprising a plurality of electrically connected cells and flexible means interwoven with the cells in such manner that the cells form the warp and the flexible means the woof, said interweaving being so arranged that the cells may be rolled or folded upon one another as herein described.

2,042,807
SCARF HOLDER
Howard D. Seebeck, Chicago, Ill., assignor to Armbrust Chain Company, Providence, R. I., a corporation of Rhode Island
Application April 22, 1935, Serial No. 17,686
1 Claim. (Cl. 24—49)



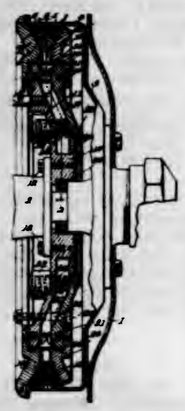
A scarf holder comprising a flexible body of a length approximately to encompass a scarf loosely and pass through a shirt button-hole forming a loose connection for anchoring the scarf to the shirt, a ring attached to one end of the flexible body and a hook attached to the other end of the flexible body, said ring and hook being adapted for interconnection after passage of the flexible body through the button-hole for securing it to the shirt.

2,042,806
SAFETY CHAIN
Howard D. Seebeck, Chicago, Ill., assignor to Armbrust Chain Company, Providence, R. I., a corporation of Rhode Island
Application April 22, 1935, Serial No. 17,687
1 Claim. (Cl. 24—3)



A jewelry chain comprising a hook member having a swiveled end, a guide ring of approximately elliptical shape having its inside longer diameter only slightly greater than the width of the hook member and having its inside shorter diameter only slightly greater than the thickness of the hook member for passage of the hook member therethrough, and a flexible body having one end attached to the swiveled end and the other end attached to the guide ring.

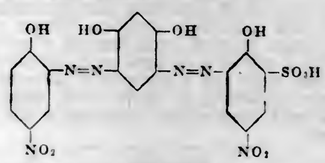
2,042,809
FLUID PRESSURE CONTROLLED BRAKING MECHANISM
Frederick L. Shelor, Richmond, Va., assignor to Innovation Brakes, Inc., Richmond, Va., a corporation of Virginia
Application January 18, 1933, Serial No. 652,389
Renewed August 22, 1935
10 Claims. (Cl. 188—72)



5. In a braking mechanism the combination of a rotatable member, a braking member secured to the rotatable member for rotation therewith, non-rotating disks having a movement relative to each other, flexible members connecting said disks and forming a chamber therebetween adapted to be placed under vacuum, a brake shoe rigidly carried by each disk and adapted to engage the braking member, the adjacent faces of said disks being similarly shaped and equally spaced throughout substantially their entire extent, whereby said disks may be placed close together and the space within the chamber placed under vacuum reduced to a minimum, one of said disks having outwardly projecting bosses provided with recesses opening into the chamber, springs within the recesses operating to separate said disks and means for limiting the separation of the disks.

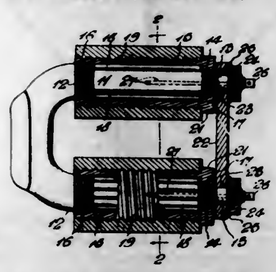
2,042,810
COMPLEX METAL COMPOUNDS OF DISAZO-DYESTUFFS
Fritz Straub and Hans Mayer, Basel, Switzerland, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Application January 23, 1935, Serial No. 3,188. In Switzerland August 11, 1934
3 Claims. (Cl. 260—12)

1. Complex metal compounds of the disazo-dyestuff of the formula



which are brown to black colored powders soluble in water and dyeing animal fibres, particularly leather, uniform brown to red tints of good fastness.

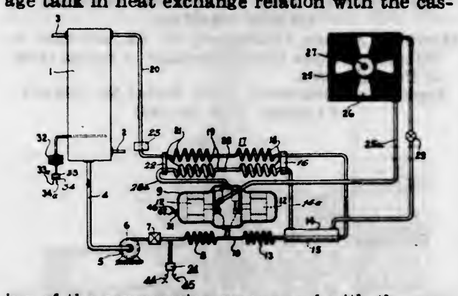
2,042,811
NEEDLE BEARING SPRING END MOUNTING MEANS
Howard A. Taplin, Kansas City, Mo.
Application September 24, 1935, Serial No. 41,935
8 Claims. (Cl. 267—54)



1. A needle bearing spring end mounting means comprising a C-shaped shackle having parallel cylindrical pivot arms and cylindrical threaded enlargements at the inner ends of and concentric with said pivot arms, two eye-engaging bushing sleeves surrounding said pivot arms and having their inner ends threaded upon said enlargements, said sleeves being in spaced concentric relation with said pivot arms, needle bearings in the spaces between said sleeves and said pivot arms, closing means for the outer ends of said spaces, and means for holding said sleeves in the eyes engaged thereby.

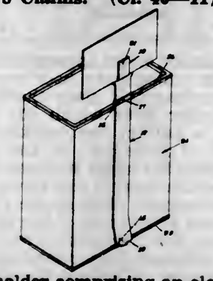
2,042,812
REFRIGERATION APPARATUS
Robert H. Tull and Bartell J. Homkes, Springfield, Mass., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 23, 1934, Serial No. 712,509
10 Claims. (Cl. 62—4)

1. In a heating system for fluids, the combination of a storage tank from which heated fluid is drawn for use, a refrigerating apparatus including a compression means, a casing for the compression means, driving means for the compression means, condensing means and cooling means, and means for operating the refrigerating apparatus and for circulating the fluid from the storage tank in heat exchange relation with the cas-



ing of the compression means and with the condensing means for heating the fluid.

2,042,813
SIGN HOLDER FOR CANS, ETC.
George Turbush, Compton, Calif.
Application December 17, 1935, Serial No. 54,843
8 Claims. (Cl. 40—11)



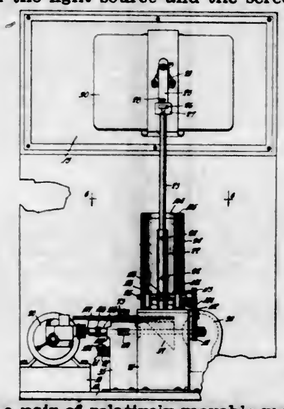
1. A sign holder comprising an elongated metal strap having a hook at its lower end, said strap having an obtuse angular bend, a second hook slidable on the strap, the said hooks adapted to engage the beads on the bottom and top of a can and means on the upper end of the strap for supporting a sign, the strap at the obtuse angular bend being adapted to engage the outside wall of a can.

2,042,814
PRODUCTION OF MANGANESE DIOXIDE
Charles S. Vadner, Winnemucca, Nev.
No Drawing. Application March 2, 1931, Serial No. 519,701
6 Claims. (Cl. 23—145)

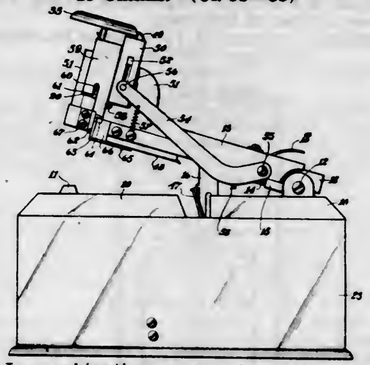
1. The process of producing manganese dioxid which comprises calcining manganic-dioxid-dihydroxid in the presence of moist air whereby an oxid of varying contents of manganese dioxid is obtained.

2,042,815
DISPLAY APPARATUS AND OPTICAL SYSTEM
Henry White, New York, N. Y., assignor, by mesne assignments, to Lester Hofheimer, New York, N. Y.
Application June 27, 1933, Serial No. 677,842
9 Claims. (Cl. 88—27)

1. An apparatus of the class described including a housing, one portion of the wall of which constitutes a screen, a light source disposed within the housing and illuminating screen, a movable object carrying mechanism and a plurality of objects carried thereby, means for actuating said carrier mechanism to successively interpose different objects between the light source and the screen, a lens system arranged between the light source and the screen and including a pair of relatively movable motor driven reciprocally compensating lenses for varying the size of the image while keeping it in focus on the screen.



2,042,816
LABEL FORMING AND ATTACHING METHOD AND MEANS
Ray Belmont Whitman, New York, N. Y.
Application November 30, 1927, Serial No. 236,842
15 Claims. (Cl. 93—88)



1. In combination, means for feeding a plurality of tags over an article to be tagged, means for severing one tag, and means for attaching it to the article, the first-named means being mounted in a base, and the two last-named means in a member pivoted to said base, all three said means being adapted to be actuated by movement of the pivoted member relative to said base.

2,042,817
LINER WASHER
John A. Wilcox, Huntington Beach, Calif.
Application January 12, 1934, Serial No. 706,380
6 Claims. (Cl. 166—20)

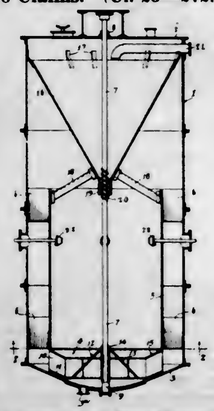
1. In a liner washer, a pair of spaced packers in the washer, a spear attached to the washer, said washer having openings therethru between the spaced packers, said washer being longitudinally collapsible, said packers being adapted and arranged to be compressed and expanded, when

the washer is collapsed, whereby a seal is provided on each side of the openings, a fluid conduit extending longitudinally in the washer, said



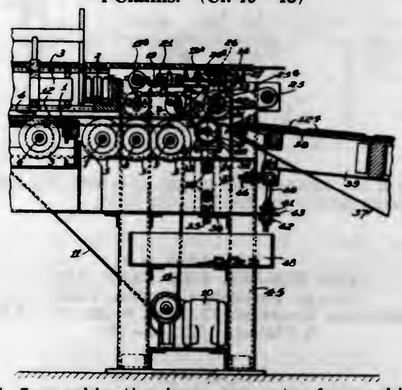
conduit having openings therein aligned with the first named openings, a closure means in the conduit below said openings, said closure means being closed on expansion of the packers.

2,042,818
APPARATUS FOR EFFECTING DISSOLUTION OR LIXIVIATION
William H. Allen, Eliot Underhill, and Charles F. Ritchie, Trona, Calif., assignors to American Potash & Chemical Corporation, Trona, Calif., a corporation of Delaware
Application October 28, 1933, Serial No. 695,644
8 Claims. (Cl. 23—272.1)



1. An apparatus for dissolution or lixiviation, comprising means for forming a dissolving chamber for solute and solvent having an inlet and an outlet, means for dividing the lower portion of said chamber into concentric portions of substantially equal cross-sectional area through which solvent and solute may be circulated, a centrifugal impeller for circulating solvent and solute therethrough, an inverted conical baffle plate providing a settling zone in the upper portion of said chamber into which solution may overflow and having a discharge orifice for the return of settled particles to the lower portion of said chamber, and means for forcibly passing particles through said discharge orifice.

2,042,819
APPARATUS FOR CRACKING SCORED GLASS SHEETS
Merrill F. Allison, Clarksburg, W. Va., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application October 6, 1933, Serial No. 692,497
4 Claims. (Cl. 49—48)



1. In combination in an apparatus for cracking off glass sheets which have been scored, a runway for forwarding the glass sheets, a bottom cracking off roller, over which the glass sheets are delivered, a pair of top cracking off rollers along the line of movement of the glass sheets adapted to engage the upper surfaces of the sheets and apply pressure thereto and having their axes of rotation on opposite sides of the vertical plane in which the axis of rotation of the bottom cracking off roller lies, and means for driving the bottom cracking off roller and the forward member of the pair of top cracking off rollers, the other member of such pair being made up of a plurality of sections free to move up and down independently of each other.

2,042,820
PISTON RING
Lionel D. Bax, Denver, Colo.
Application March 19, 1935, Serial No. 11,823
5 Claims. (Cl. 309—31)



1. A piston ring having at least one side thereof provided with an oil groove and with pockets spaced along the groove, the walls defining said groove and pockets terminating inwardly of the inner and outer peripheral faces of the ring.

2,042,821
TELEPHONE TRANSMITTER
Arthur F. Bennett, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application April 20, 1933, Serial No. 667,020
12 Claims. (Cl. 179—122)

12. A telephone transmitter comprising means forming a chamber, a plurality of electrodes within said chamber having juxtaposed portions and having also juxtaposed apertures, a diaphragm connected to one of said electrodes, and com-



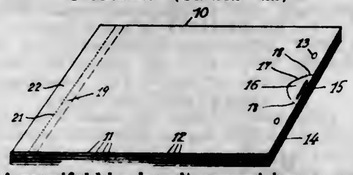
minuted resistance varying material within said chamber and in contact with opposite surfaces of each of said portions.

2,042,822
TELEPHONE TRANSMITTER
Arthur F. Bennett, Millburn, and William L. Tuffnell, Hawthorne, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 11, 1933, Serial No. 670,406
22 Claims. (Cl. 179—122)



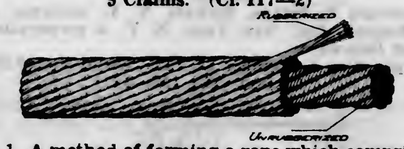
1. A telephone transmitter comprising a supporting member, a diaphragm mounted on said supporting member having a dished electrode, means mounted on said supporting member forming a chamber with said electrode and having surfaces in juxtaposition to said electrode that are curved in the same direction as and eccentric with respect to said dished electrode, and comminuted resistance material in said chamber.

2,042,823
MANIFOLD BOOK
Robert M. Bonn, Maplewood, N. J., assignor to The Arco Manifolding Co. Inc., a corporation of New York
Application November 27, 1934, Serial No. 754,936
3 Claims. (Cl. 282—22)



1. A manifold book unit comprising an original sheet and a copy sheet of the same size in superposed relation, a carbon sheet between the same, said original and copy sheets having each a superposed alined transverse weakening line spaced a distance from one of their edges, said carbon sheet between the other said sheets having its one edge alined with the alined edges of the other sheets remote from said weakening lines, said carbon sheet extending between said other sheets to within a short distance of said weakening lines, means for securing all of said sheets together at a portion of one of their edges and means for securing only the original and the copy sheets together along the opposite edges.

2,042,824
ROPE AND THE LIKE
Sidney Albert Brazier and Cecil Hampson, Manchester, and Melon Langstreth, Rochdale, England, assignors to Dunlop Rubber Company Limited, Birmingham, England, a British corporation
Application February 5, 1935, Serial No. 5,052
In Great Britain February 23, 1934
9 Claims. (Cl. 117—2)



1. A method of forming a rope which comprises rubberizing threads of fibrous material, drying said threads, forming said rubberized threads into cords, laying said rubberized cords as an outer layer on an inner core of unrubberized cords to form strands without rubberizing said inner cords, and assembling a plurality of said strands into a rope.

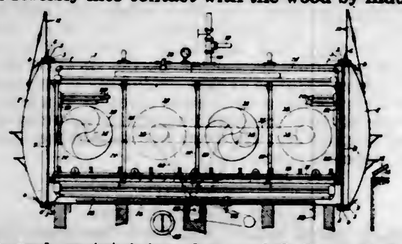
2,042,825
PROCESS OF COLORING WOOD VENEERS AND THE LIKE
Frank G. Bright, St. Jean, Quebec, Canada, assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
No Drawing. Application May 31, 1934, Serial No. 728,381. In Canada June 24, 1933
1 Claim. (Cl. 21—12)

The process of coloring wood veneers, consisting in loading into a receptacle veneers having a moisture content below the fiber-saturation point, raising the temperature within the receptacle by dry heat and at substantially atmospheric pressure to approximately 250° F. to completely vaporize the moisture content of the veneers, introducing into the heated receptacle approximately 25 lbs. of preheated ammonia gas per 1000 board feet of veneers, said ammonia gas having been preheated to approximately the temperature within the receptacle, and maintaining the attained temperature of substantially 250° F. and the substantially atmospheric pressure constant within the receptacle for a definite coloring period.

2,042,826
PROCESS OF TREATING WOOD
Frank G. Bright, St. Jean, Quebec, Canada, assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application May 31, 1934, Serial No. 728,382
In Canada September 8, 1933
5 Claims. (Cl. 21—12)

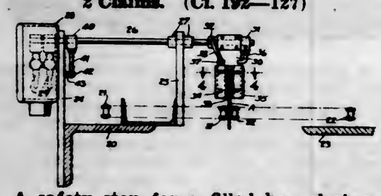
5. The process of coloring wood to a predetermined shade, consisting in subjecting wood in a closed receptacle to a measured quantity of ammonia gas and to a predetermined temperature

above the vaporization point of the moisture content of the wood, and bringing the ammonia gas forcibly into contact with the wood by induc-



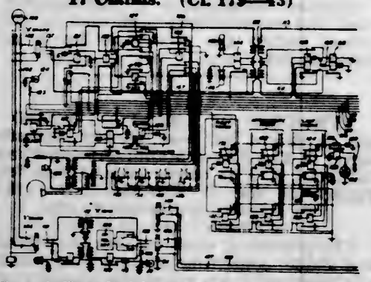
ing and maintaining for a definite period a highly turbulent gaseous condition throughout the interior of the receptacle.

2,042,827
SAFETY STOP FOR BAG CLOSING MACHINES
Howland F. Briggs, Buffalo, N. Y., assignor to Bagpak, Inc., New York, N. Y., a corporation of Delaware
Application September 13, 1935, Serial No. 40,363
2 Claims. (Cl. 192—127)



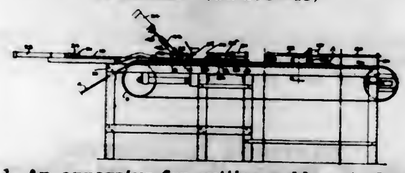
1. A safety stop for a filled bag closing machine of the type having means for gripping the collapsed sides of a filled bag below the open end thereof to be closed and assisting to feed the bag into suitable mechanism for effecting the closure thereof, comprising a plate having a throat of sufficient width to permit passage of a bag end therethrough as the bag is progressed by said means, a switch-controlling, rotatably mounted rod from which said plate depends, constantly tensioned spring means tending to prevent rotation of said plate relative to said rod, and a second spring means placed under tension by rotation of said rod whereby the effect of said first spring means may be overcome.

2,042,828
TELEPHONE SYSTEM
Russell B. Buchanan, Lynbrook, N. Y., and Lindley A. Kille, Morristown, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 7, 1935, Serial No. 9,728
17 Claims. (Cl. 179—43)



1. In a toll switching system, a trunk comprising one outgoing end and two incoming ends, means responsive to a connection to said outgoing end for establishing a talking and signaling connection between said outgoing end and one of said incoming ends, and means controllable after the establishment of said connection for establishing a talking and signaling connection between said incoming end and said other incoming end.

2,042,829
MACHINE FOR CUTTING RUBBER STOCK
James C. Carlin, Norristown, Pa., assignor to Lee Rubber & Tire Corporation, Conshohocken, Pa., a corporation of New York
Application March 28, 1935, Serial No. 13,457
10 Claims. (Cl. 164—48)

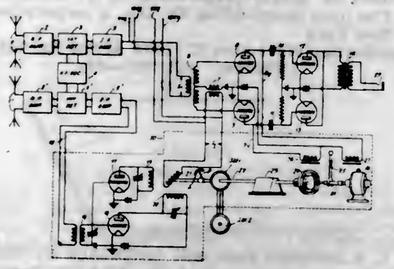


1. An apparatus for cutting rubber stock and the like comprising, in combination, a continuously moving conveyor for the stock to be cut, a cutting member adapted to sever the stock along a line extending transversely thereof, means operative automatically to actuate said cutting member when a predetermined length of stock has been conveyed by said conveyor forwardly of said line of severance, and means for preventing lifting of said stock upon removal of the cutting member therefrom.

2,042,830
PREVENTION OF SOLUTION LOSS FROM LIQUID SYSTEMS
Henry L. Cox, Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application January 6, 1931, Serial No. 507,047
4 Claims. (Cl. 252—5)

1. A composition of matter adapted to be mixed with water to form an anti-freeze cooling medium of low wetting power on metals, said composition comprising from about 0.5% to about 3.0% by volume of a mixture of lard oil and mineral oil, together with a minor quantity of a hydroxy-alkylamine, the balance being principally ethylene glycol.

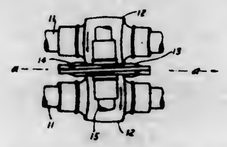
2,042,831
RECEIVING SYSTEM
Murray G. Crosby, Riverhead, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application May 28, 1934, Serial No. 727,931
17 Claims. (Cl. 250—20)



1. The method of reducing fading of radio signals which includes making a plurality of

signal energy collections, producing and maintaining a predetermined phase displacement in the energies collected, combining the phase displaced energies, detecting the combined phase displaced energies and translating the detected energies.

2,042,832
METHOD AND APPARATUS FOR CROSS-ROLLING TUBES
Samuel E. Diescher, Pittsburgh, Pa., assignor to Diescher Tube Mills, Inc., Pittsburgh, Pa., a corporation of Delaware
Application September 2, 1932, Serial No. 631,511
10 Claims. (Cl. 80—62)



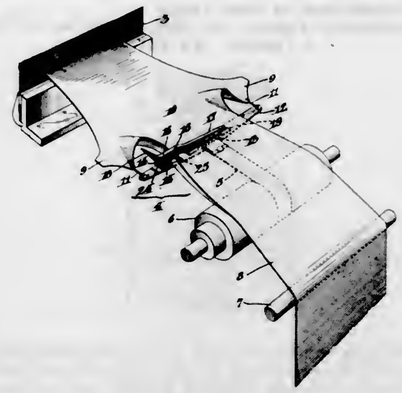
8. The method of treating work-pieces in a cross-rolling mill, comprising subjecting a work-piece to the action of a pair of opposed cross rolls positioned to impart a helical movement to the work-piece, and applying to the work-piece in the pass zone of the cross rolls the resisting pressure of a guide member engaging the work-piece and moving, at a speed materially in excess of the speed of longitudinal progression of the work-piece through the cross rolls, in a direction which is generally that of such longitudinal progression but inclined from the line of such progression toward parallelism with the feed helix of the work-piece.

2,042,833
MANUFACTURE OF PORTLAND CEMENT
Harvey Randolph Durbin, New Rochelle, N. Y., assignor to International Cement Corporation, New York, N. Y., a corporation of Maine
No Drawing. Application August 26, 1933, Serial No. 687,019
4 Claims. (Cl. 106—25)

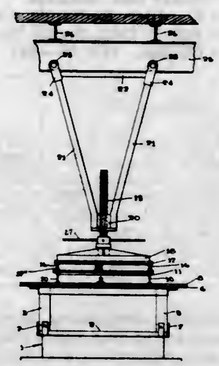
1. In the manufacture of Portland cement, the steps of burning a cement mixture containing an excess of free lime to produce a clinker, grinding the clinker and separating the fines containing the excess of free lime above that permissible in the finished cement.

2,042,834
TENSION TAKE-UP DEVICE FOR KNITTING MACHINES
William Donald Esches, Wyomissing, Pa., assignor to Berkshire Knitting Mills, Wyomissing, Pa., a corporation of Pennsylvania
Refiled for abandoned application Serial No. 322,643, November 30, 1928. This application December 20, 1933, Serial No. 703,318
8 Claims. (Cl. 66—149)

4. A fabric take-up device comprising fabric-clamping elements one of which is provided with apertures and another of which is provided with projections for removable telescopic fitting relation to said one element in said apertures, a yieldable member on the apertured element having apertures registering with the element apertures, and yieldable bodies constituted as bottom closures for said apertures and as means for effecting holding cooperation between said yieldable member and said apertured element.

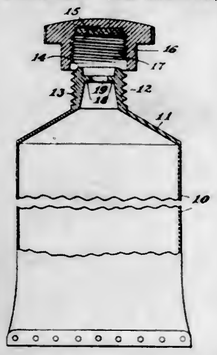


2,042,835
APPARATUS FOR ASSEMBLING INSULATING GLASS
John H. Fox, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, Allegheny County, Pa., a corporation of Pennsylvania
Application August 20, 1935, Serial No. 37,035
4 Claims. (Cl. 29—84)



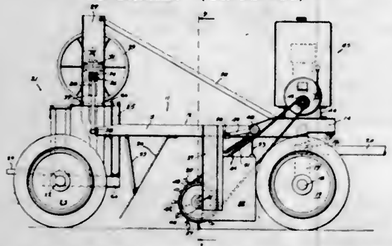
1. In apparatus for assembling a pair of glass sheets with an interposed spacer of yielding material between the edges thereof, a horizontal yielding indicator platform, pressure indicating means operated thereby, an open frame of rectangular shape carried by the platform for supporting the glass sheets adapted to be positioned so that its sides are in parallel with the edges of the glass sheets and adjacent thereto, a second frame above the platform having its sides in opposition to the sides of the first frame and adapted to engage the upper face of the upper sheet of glass, and means for forcing said second frame downwardly.

2,042,836
COLLAPSIBLE TUBE
John H. Fridén, Maplewood, N. J., assignor to The Sun Tube Corporation, Hillside, N. J., a corporation of New Jersey
Application January 19, 1934, Serial No. 707,233
3 Claims. (Cl. 221—60)



3. An article of manufacture comprising a collapsible tube having a body portion and a neck portion with a discharge passage therethrough, partition means in said passage spaced from the end of said neck to partially close the passage, said partition having a single discharge opening therein, a sealing ring connected with the end of said neck and having a smooth, outer face, and a cap for said neck having a flat gasket therein arranged to engage and extend across said sealing ring always out of contact with said partition.

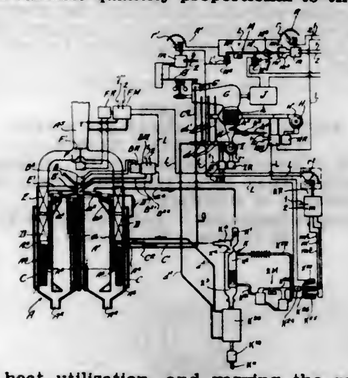
2,042,837
ROAD OIL MIXER
George Gardner, Redlands, Calif.
Application July 7, 1931, Serial No. 549,289
18 Claims. (Cl. 94—44)



1. A road oil mixer comprising, in combination, a vehicle frame having load supporting wheels at the rear end, and supporting and steering wheels at the front end with a pivotal connection to said front wheels, a motor mounted on the frame above the pivotal connection of the front wheels, means at the rear of the frame to tilt said frame laterally, a spool depending from the frame and having a mixing means thereon, and a driving connection from the motor to said spool.

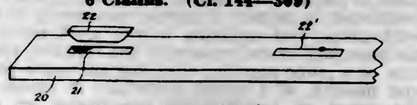
2,042,838
COMBUSTION CONTROL
George H. Gibson, Upper Montclair, N. J.
Application June 22, 1929, Serial No. 372,862
27 Claims. (Cl. 60—106)

1. The method of furnace control which consists in maintaining a control force approximately proportional to the sum of a constant quantity corresponding to the furnace heat losses and a variable quantity proportional to the fur-



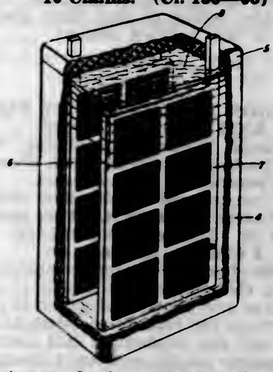
nace heat utilization, and varying the rate of combustion in the furnace as said force varies.

2,042,839
METHOD OF MANUFACTURING LUMBER
Oliver P. M. Goss and Worth C. Goss, Seattle, Wash., assignors to Carlisle Lumber Company, a corporation of Washington
Application May 28, 1934, Serial No. 727,862
6 Claims. (Cl. 144—309)



1. The method of manufacturing lumber of the character described comprising, conditioning the board stock and the patch stock to bring each to a predetermined percentage of moisture content, with that of the patch stock equal to or less than that of the board stock, forming patch pieces from the patch stock of definite dimensions, forming recesses in the board stock of corresponding dimensions, and applying the patch pieces to said recesses prior to change in the dimensions of either by reason of atmospheric conditions different from that in which the stock is conditioned.

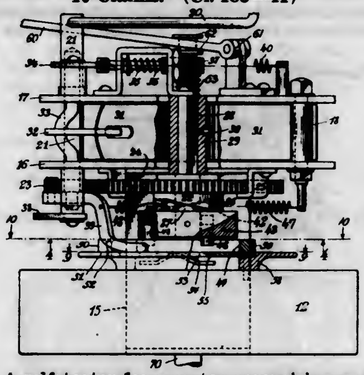
2,042,840
STORAGE BATTERY
Horace E. Haring, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 8, 1933, Serial No. 679,480
10 Claims. (Cl. 136—65)



1. A storage battery electrode, a portion of

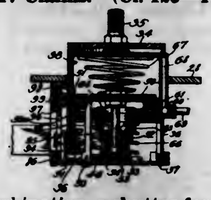
which is composed of an alloy consisting of lead and calcium, the amount of the calcium content being not greater than 1%.

2,042,841
SELF STARTER FOR OUTBOARD MOTORS
Lloyd James Harmon, Brooklyn, N. Y., assignor to Oluf Mikkelsen, Brooklyn, N. Y.
Application October 18, 1934, Serial No. 748,829
10 Claims. (Cl. 185—41)



1. A selfstarter for a motor comprising a starting spring normally held in wound condition, a shaft for automatically releasing said starting spring, clutching means automatically operated by said shaft to operatively connect the starting spring to the motor to start the same, cooperating means on the selfstarter and the motor for automatically rewinding the starting spring when the motor has been started and means actuated by the starting spring for stopping the rewinding of the starting spring when a predetermined tension thereof has been attained and a spring for restoring said shaft to normal position subsequent to its releasing operation.

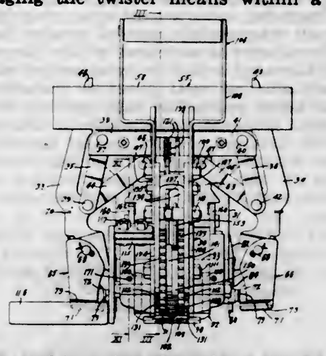
2,042,842
SHUTTER CONTROL FOR A COOLING SYSTEM
Louis G. Hartdorn, Forest Hills, N. Y.
Application October 10, 1930, Serial No. 487,700
17 Claims. (Cl. 123—174)



17. In combination, a shutter for an automobile radiator, means for regulating the shutter, said means including a suction operated device and a clutch placed in locking position when the device is fully contracted, automatic means for releasing the clutch when the suction ceases, and means for locking said device against operation.

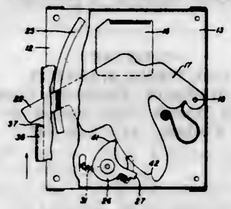
2,042,843
WIRE TYING MACHINE
Herbert Harvey, Los Angeles, Calif.
Application September 11, 1933, Serial No. 688,925
Renewed November 4, 1935
32 Claims. (Cl. 140—93)

1. In a wire tying machine, a frame, a slotted twister means having different angular positions for loading and discharging, and bearing means carried by the frame for operatively supporting the twister means, said bearing means operatively engaging the twister means within a sector



thereof equal to or less than the sector lying between the adjacent side of the twister slot when located at the loading position and the adjacent side of the twister slot when located at the discharging position.

2,042,844
COIN RECEPTACLE
William H. Harvey, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 8, 1935, Serial No. 35,225
17 Claims. (Cl. 232—44)

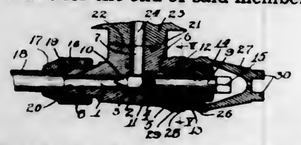


1. A coin receptacle comprising a coin box, a cover therefor having a coin receiving opening therein, a shutter on said cover movable from a position closing said opening to a position unobstructing said opening, a pawl mounted on said cover, means on said shutter for cooperating with said pawl to hold the shutter in closed position, means effective when said cover is in position closing said box for biasing the pawl in either of two positions, the pawl being in the path of said first means in one of said positions and being out of the path of said first means in the other of said positions, and means for preventing complete movement of said shutter to said unobstructing position when said pawl is temporarily held in its said other position.

2,042,845
VALVE
Guy J. Henry, Chicago, Ill.
Application December 5, 1931, Serial No. 579,164
Renewed August 6, 1934
4 Claims. (Cl. 251—50)

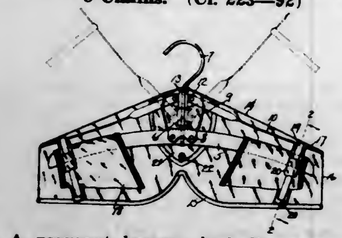
2. A valve structure including a forward seating valve and a back seating valve, said structure comprising an elongated body having an opening extending inwardly from one end thereof and a lateral opening communicating with said first

mentioned opening, said first opening being formed with portions of different diameters progressively bored, the bore of the greatest and the bore of the adjacent next greatest diameters being threaded, a valve and valve stem member having an intermediate part of greater diameter than the balance of said stem which intermediate part is threaded and is in engagement with the threaded bore of next greatest diameter, said member being applied in said opening with one of its ends adjacent the junction of the smallest bore with the bore of next greater diameter and movable towards and away from said junction by rotation of said member, said junction serving as a valve seat for the end of said member, a ring



in the thread of said greatest bore and disposed against the end of the bore of next smaller diameter and being adapted to form a valve seat for the intermediate enlargement of said valve stem member when said member is moved away from the bore of least diameter to its limit of movement of such direction, packing material about said stem in the bore of greatest diameter, and a nipple in threaded engagement with said body to maintain said packing tightly against said ring, said lateral opening communicating with the bore of next smallest diameter, the engagement of said intermediate enlargement with said ring preventing gas escape from said valve structure when said packing material is removed.

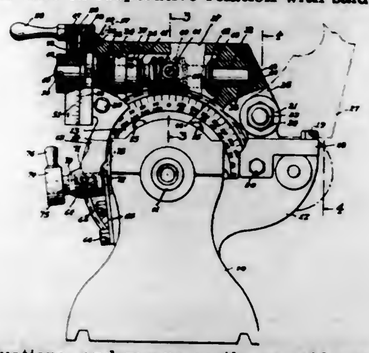
2,042,846
GARMENT HANGER
Rose Hoffman, Hartford, Conn.
Application May 7, 1935, Serial No. 20,125
8 Claims. (Cl. 223—92)



1. A garment hanger including a support, a bracket secured to the support and having upstanding arms, a hook attached to said support, a slide mounted on the shank of said hook, cover supporting blades pivotally attached to said slide, a connection between said blades and said arms to permit sliding movement of the blades relatively to the arms, and a cover supported by said blades and having flaps to cover and enclose said support.

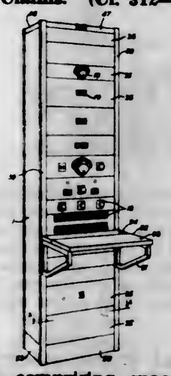
2,042,847
DIVIDING HEAD FOR LATHES
Leo Heischneider, Phoenix, Ariz.
Application December 27, 1933, Serial No. 704,084
10 Claims. (Cl. 90—56)

1. In a dividing head adapted to be attached to a lathe, a worm gear adapted to be secured to the spindle of the lathe, a pivot shaft adapted to be supported on one side of the head stock of the lathe, a body member pivoted on said last shaft and adapted to be swung from a vertical to a horizontal position thereon, a worm shaft journaled in said member, a worm secured to said shaft, a hand wheel having a flat graduated circumferential face carried by said worm shaft and adapted to rotate the lathe spindle in either direction through the medium of the worm and the worm gear when said body member is swung to a horizontal position, a vernier ring resiliently supported on said member and having graduations on its face in cooperative relation with said first



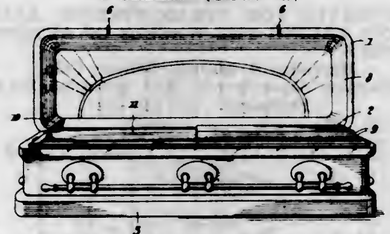
graduations, and means partly on said member and partly on said headstock for retaining said worm and said worm gear in operative relation while a dividing operation is being accomplished and for deeply meshing the teeth of said worm and worm gear after a desired setting of the hand wheel is obtained thereby locking the spindle against further movement, said means including a spring plunger which may be disengaged when the lathe is to be used without said attachment whereby said body may be swung upwardly more than ninety degrees.

2,042,848
CABINET
Irvin R. Horn, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 28, 1934, Serial No. 737,355
3 Claims. (Cl. 312—1)



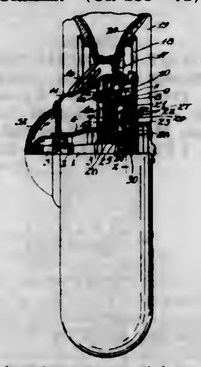
1. A cabinet comprising spaced rectangular upright channel members forming two sides of the cabinet, connecting bars attached to corners of said channel members and extending laterally between said channel members, a plurality of depressed panels attached to front edge portions of said channel members and extending laterally between the front edge portions of said channel members, said depressed panels being arranged one above another, mats secured to said depressed panels to form the front of the cabinet, upright corner strips of flexible material adjustably supported on the front edge portion of said channel members, and adjustable toward edge portions of said mats, a door hingedly attached to a rear edge portion of one of said channel members, a manually operated latch on said door to engage a rear edge portion of the other of said channel members to latch said door, and upright corner strips of flexible material adjustably supported on the rear edge portion of said channel members.

2,042,849
BURIAL CASKET
Jean Jacques, Philadelphia, Pa.
Application November 11, 1935, Serial No. 49,238
4 Claims. (Cl. 27—2)



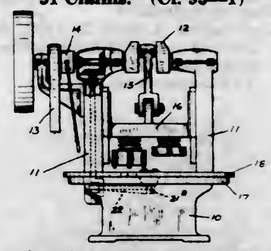
1. In a burial casket the combination of a full length sealing lid; an auxiliary inner half lid for concealing, at the time of exhibition, the lower part of a body placed within the casket; and wings respectively connected to the edges of the casket beyond the half lid with capacity for being moved outward to produce a half couch effect.

2,042,850
BRAKE
George S. Knapp, Stillwater, Minn., assignor of thirty per cent to Fred Lammers and fifteen per cent to George H. Sullivan and Karl G. Neumeier, copartners as Sullivan and Neumeier, all of Stillwater, Minn.
Application February 5, 1934, Serial No. 709,798
3 Claims. (Cl. 188—71)



1. A brake structure comprising a brake element having a brake face thereon, ball retaining means mounted adjacent said brake face, a frangible plate having a plurality of openings therein, mounted in said ball retaining means, a plurality of balls mounted in the openings in said plate to be initially supported thereby, a second similar frangible plate with balls similarly supported thereby superposed over said first plate, a second brake element having a brake face normally movable with respect to said first brake face, and actuating means mounted to move said brake faces into compressive frictional engagement with said balls to free said balls from said frangible plates and to destroy said plates.

2,042,851
FORMING MACHINE
William H. Knowles, Indianapolis, Ind., assignor, by mesne assignments, to General Cap Co. Inc., New York, N. Y., a corporation of Delaware
Application November 27, 1929, Serial No. 410,025
51 Claims. (Cl. 93—1)



1. A cap forming machine including, in combination, means operating upon a layer of fibrous material to form a cup portion, and means acting subsequently upon the base of said cup portion to form a stopper portion without rupture of said layer of fibrous material.

2,042,852
GLASS TANK AND METHOD OF OPERATING THE SAME
Walter G. Koupal, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application May 29, 1934, Serial No. 728,092
5 Claims. (Cl. 49—56)



1. In combination with a glass melting tank having a melting section provided with regenerators and a refining section forward of the melting section provided at its forward end with an outlet passage, a chamber of less depth than the refining section forward of such section and separated therefrom above the surface of the glass by a vertical partition into which said passage leads and itself having a discharge passage at its forward end, means for applying heat over the glass in said chamber, a trough open to the atmosphere forward of said chamber in position to receive the discharge therefrom, a covered pot forward of the trough in position to receive the discharge therefrom and provided at its front end with a discharge slot adapted to supply glass continuously to sheet forming means, means for heating the pot, and water cooled means above the trough for chilling the surface of the glass as it flows through the trough.

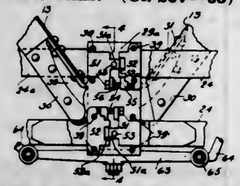
5. A method of making sheet glass which consists in melting batch in a melting area, conduct-

ing the molten glass forwardly to a fining area of lower temperature and there fining it, conducting the fined glass forwardly therefrom into a covered reheating area which has a space lying above the glass substantially closed off from the space above the glass in the fining area, applying heat above the glass in the reheating area to increase its fluidity, flowing the glass forwardly from the reheating area with its surface exposed to a chilling action, conducting the chilled glass forwardly therefrom into a covered area, reheating it therein, and finally withdrawing a layer of glass continuously from such last area to form a sheet.

2,042,853
AUTOMOBILE SPRING MOUNTING

Oscar F. Lundelius and Melvin N. Lefler, Los Angeles, Calif., assignors to Lundelius & Eccleston Motors Corporation, Los Angeles, Calif., a corporation of Delaware

Original application August 7, 1933, Serial No. 683,928. Divided and this application January 26, 1934, Serial No. 708,390
15 Claims. (Cl. 267—38)

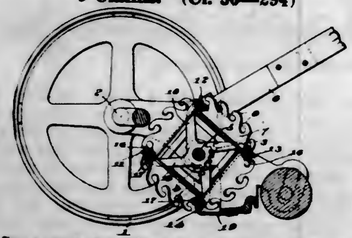


1. In a vehicle of the character described, a longitudinally adjustable spring, a spring mounting comprising a stationary spring support, an adjustment plate between said support and the spring and movable with the spring as the latter is shifted longitudinally, a spring bolt engaging said adjustment plate, means for moving said plate to shift the spring longitudinally, and a clamp for holding said spring in adjusted position and having an opening receiving said bolt, said plate being movable relative to the clamp.

2,042,854
GRASS AND WEED MOWER

Arthur F. Macconochie, University, Va.

Application October 2, 1934, Serial No. 746,585
9 Claims. (Cl. 56—294)



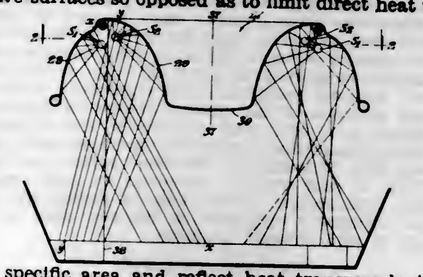
1. In a grass and weed mower, a plurality of revoluble cutter blades and a plurality of combs disposed transversely between and having their opposite ends secured to adjacent blades for engaging weeds or the like, to drag the weeds into cutting engagement with said blades.

2,042,855
ELECTRIC HEATER

William Andrew Merklein, Brooklyn, N. Y.

Application December 1, 1933, Serial No. 700,427
21 Claims. (Cl. 219—34)

16. An electric radiant heat projector comprising an annular heating element, an annular trough shaped reflector surrounding said heating element and having two substantially co-extensive surfaces so opposed as to limit direct heat to

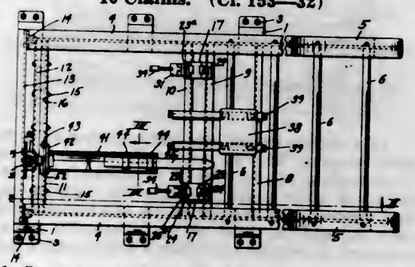


a specific area and reflect heat transversely to each other and across a perpendicular to the plane of the heating element.

2,042,856
APPARATUS FOR STRAIGHTENING AXLES AND TRUING THE WHEELS OF AUTOMOBILES

Marcellus S. Merrill, Denver, Colo.

Application September 9, 1929, Serial No. 391,257
10 Claims. (Cl. 153—32)

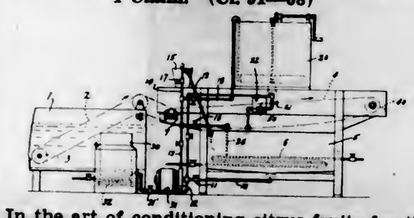


1. In apparatus for straightening automobile axles, a frame comprising a track and a rear brace member, axle-gripping vises slidably but lockably mounted in the track and adapted to hold an axle above and parallel to the track, means supported by said track and adapted for exerting pressure vertically on an axle held in the vises and means seated by said rear brace and adapted for exerting lateral pressure on an axle held in said vises.

2,042,857
METHOD OF CONDITIONING FRUIT

Arthur E. Nelson, Arcadia, Calif., assignor to California Fruit Growers Exchange, Los Angeles, Calif., a corporation of California

Application May 1, 1933, Serial No. 668,731
1 Claim. (Cl. 91—68)

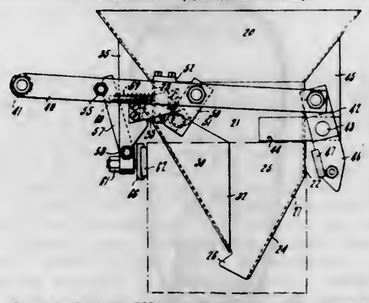


In the art of conditioning citrus fruits for the market, the steps of: forming an aqueous stock emulsion containing waxy components; forming a body of finished aqueous emulsion from a portion of said stock emulsion, said finished emulsion containing from about 1% to 5% of said waxy components; washing citrus fruit in a detergent solution; bringing said washed citrus fruit while still wet into contact with said finished aqueous emulsion whereby the finished emulsion tends to become diluted; and introducing regulated quantities of stock emulsion containing waxy components into said body of finished emulsion during treatment of citrus fruit therewith to maintain the content of waxy components in said finished emulsion at between about 1% and 5%.

2,042,858
SPOUT FOR BAG FILLING

Marcel A. Nicolas, Buffalo, N. Y., assignor to Bagpak, Inc., New York, N. Y., a corporation of Delaware

Application September 12, 1935, Serial No. 40,205
12 Claims. (Cl. 248—101)

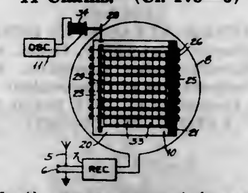


1. A spout for filling open mouth bags comprising a fixed clamping member, a swinging leaf forming a wall of the spout adjacent said clamping member, and a linkage connected to said leaf whereby said leaf may be swung inwardly to decrease the size of the spout and permit ready insertion thereof into the mouth of a bag, and whereby the leaf may be swung outwardly to clamp a side of the bag between said wall and said member.

2,042,859
ELASTIC WAVE TELEVISION SYSTEM

Alexander McLean Nicolson, New York, N. Y., assignor to Communication Patents, Inc., New York, N. Y., a corporation of Delaware

Original application July 1, 1932, Serial No. 620,380. Patent No. 1,972,492, dated September 4, 1934. Divided and this application September 2, 1933, Serial No. 687,950
11 Claims. (Cl. 178—6)

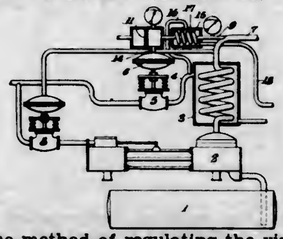


1. An elastic wave commutator system comprising a frame, a plurality of wires positioned at intervals across two opposing members of said frame, an elastic medium positioned at right angles to said wires and connected thereto adjacent the terminals thereof, said elastic medium having less tension and a larger cross section than said wires, and means for initiating a vibration at one terminal of said elastic medium, said vibration traversing the distance between said wires in approximately the time period required for said vibration to traverse the length of one of said wires.

2,042,860
METHOD AND APPARATUS FOR THE REGULATION OF VISCOSITY OF LIQUIDS

Ernest H. Peabody, New York, and Walter H. Martin, Mount Vernon, N. Y., assignors to Peabody Engineering Corporation, New York, N. Y., a corporation of New York

Application August 30, 1933, Serial No. 687,458
9 Claims. (Cl. 137—78)



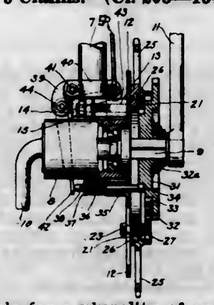
1. The method of regulating the viscosity of a liquid, which comprises applying heat to such liquid, sampling a small portion of the heated liquid, regulating the heat applied to the liquid in accordance with the viscosity of said sample liquid and applying supplemental regulated heat to said sample liquid to thereby improve and facilitate the regulating effect.

2. A viscosity regulator for liquids, comprising a heat exchanger for the liquid, a device for producing a pressure in accordance with the viscosity of the liquid, a heat exchanger for said last mentioned device, means for conducting liquid leaving the first mentioned heat exchanger through said device and means for utilizing the pressure to regulate the amount of heat supplied to the first mentioned heat exchanger.

2,042,861
MULTIPLE SPEED BICYCLE

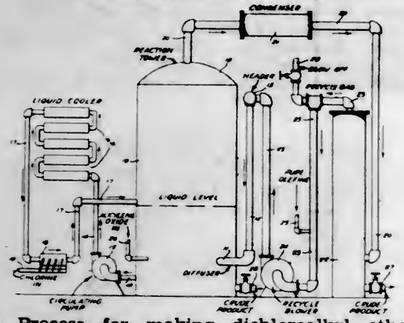
Andrew J. Pehl, Seattle, Wash.

Application January 23, 1935, Serial No. 2,985
3 Claims. (Cl. 208—154)



1. A bicycle for a plurality of speeds, comprising a bicycle with a squared crank shaft, a plurality of pinion gears of different sizes slidably mounted on the shaft, a supporting plate attached to the frame of the bicycle, a bearing ring adjustably connected to the plate, a sprocket wheel rotatably mounted on the bearing ring, internal teeth carried in the sprocket wheel adapted to mesh in the teeth of either one of said pinions, and means for shifting the position of the sprocket to bring said internal teeth in mesh with either of said pinions for different speeds.

2,042,862
DICHLOROALKYL ETHERS
Granville A. Perkins, South Charleston, W. Va., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application May 11, 1933, Serial No. 670,538
12 Claims. (Cl. 260—151)



1. Process for making dichloroalkyl ethers which comprises forming a chloralkyl hypochlorite and reacting thereon with an olefine.

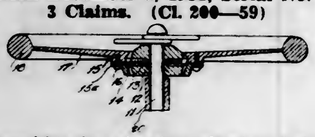
5. Process for making dichloroalkyl ethers which comprises treating alkylene chlorhydrins with chlorine and olefines

9. Process for making dichloroalkyl ethers which comprises reacting alkylene oxides with chlorine and olefines.

12. As a chemical product, beta-chloroethyl-beta-chloroisopropyl ether, having a boiling point of about 65° C. at 8 mm., and having the structural formula

$$ClCH_2-CH_2-O-\underset{\displaystyle CH_3}{\underset{|}{CH}}-CH_2Cl$$

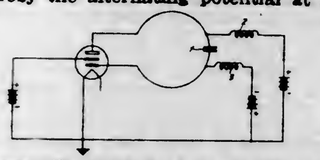
2,042,863
CIRCUIT CLOSER
William Pitt, Brooklyn, N. Y.
Application December 1, 1931, Serial No. 578,327
3 Claims. (Cl. 200—59)



1. A combination steering wheel and signalling device for automobiles and the like comprising a rotatably mounted shaft, a steering wheel, universal mounting means intermediate said shaft and said steering wheel, a switch disposed to operate by universal movement of said steering wheel, said universal mounting means including means to maintain axial alignment of said steering wheel and shaft, said alignment means including springs in cylindrical orifices, steel balls between said orifices and irregular grooves in steering wheel hub.

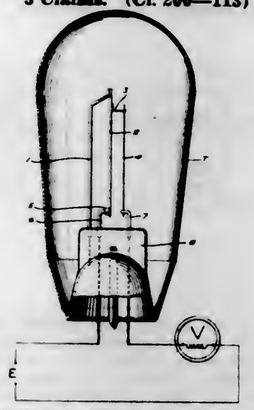
2,042,864
ULTRA SHORT WAVE OSCILLATION GENERATOR
Dietrich Prinz and Hans Otto Roosenstein, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application June 14, 1933, Serial No. 675,680
In Germany June 28, 1932
6 Claims. (Cl. 250—36)

6. An oscillation circuit comprising an electron discharge device on whose anode and grid are voltages the phases of which are in opposition whereby the alternating potential at some



point between the anode and grid is zero, and a screen grid located between said anode and grid at said zero point.

2,042,865
ELECTRICAL SWITCH
Samuel Ruttenberg, Brooklyn, N. Y.
Application May 12, 1933, Serial No. 670,732
3 Claims. (Cl. 200—113)



1. A switch comprising a sealed envelope having therewithin a support element, a spring attached to said support constituting part of a movable contact element, a normally tensioned thermo expansible wire attached to said spring and constituting a current carrying member and a stationary contact adapted to cooperate with the movable contact element to maintain a closed circuit within the envelope, said thermo-expansible wire under normal current carrying conditions serving to keep said circuit closed but under excessive current conditions adapted to become untensioned so as to allow a movement of the movable contact and the opening of said circuit.

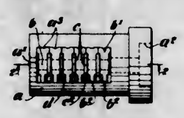
2,042,866
FASTENER-ATTACHING DEVICE
Ernest D. Simons, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application December 15, 1934, Serial No. 757,663
1 Claim. (Cl. 24—208)



A fastener-attaching device consisting of a central, substantially cylindrical eyelet barrel and an integral, crowned cap extended outwardly from one of its ends and having its marginal portion rolled to form an inturned, rounded edge, concentric with and surrounding the barrel, so as to be adapted to be held in snug contact with one

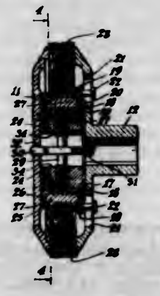
surface of the material to which a complemental fastener element may be secured by the attaching device, the length of the barrel being approximately equal to the axial depth of the cap and its free end being of an external diameter substantially equal to the internal diameter of an opening in the complemental fastener element, between which and the rounded marginal portion of the cap of the attaching device the material to which the fastener is to be attached may be clamped.

2,042,867
LOCK
Reuben Simon, Detroit, Mich.
Application December 4, 1934, Serial No. 755,883
2 Claims. (Cl. 70—46)



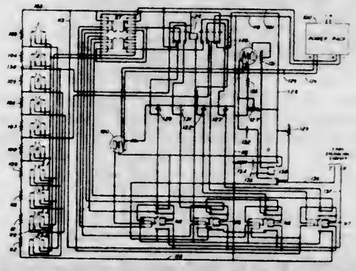
1. A lock structure comprising a hollow cylindrical body, diametrical openings in the wall of the body, adapter plates mounted in said openings and having similar aligned key-ways to receive the proper key, tumblers mounted movably between said adapter plates for cooperation with the proper key, guide flanges pressed out of the the material of the body and extending inwardly along the edges of said openings to receive said adapter plates, said guide flanges forming spaced pairs of walls and projections on the adapters adapted to engage between certain of the walls to retain the adapters in the carrier.

2,042,868
UPPER ROUGHING TOOL
John Frederick Smith, Quincy, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y., a corporation of Delaware
Application July 19, 1935, Serial No. 32,155
10 Claims. (Cl. 69—1)



1. A roughing wheel comprising a disk-shaped housing including spaced sidewalls, a pair of opposed blocks slidably mounted between said sidewalls, each of said blocks having an internally threaded bore, an adjusting screw having oppositely threaded ends respectively screwed into said bores, an adjusting wheel fixed to said screw and having an edge portion extending into and confined against movement radially of said housing by a slot through one of said sidewalls, and roughing bristles carried by each of said blocks and extending outwardly therefrom to the peripheral portion of said housing.

2,042,869
CODE CALLING SYSTEM
Percy C. Smith, East Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 23, 1935, Serial No. 2,980
13 Claims. (Cl. 177—380)



1. In a code calling system, a sender comprising a plurality of code keys, a start key, an impulsing relay for transmitting series of impulses over a signaling circuit, a group of condensers, means controlled by the operation of one of said code keys and said start key for charging certain of said condensers to a degree commensurate with the numerical value of the digit or digits of a desired code number, means for charging others of said condensers to degrees commensurate with the numerical values of digit spacing and code spacing intervals respectively, and means successively controlled by said condensers for determining the number of impulses in each series transmitted by said relay and the spacing of successive series of impulses.

2,042,870
THERMAL INSULATING STRUCTURE
William L. Stafford, Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application May 27, 1932, Serial No. 614,133
4 Claims. (Cl. 72—35)

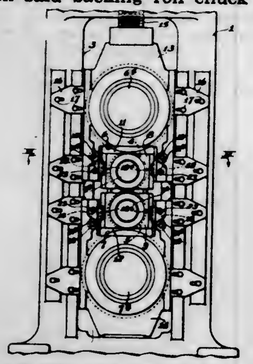


1. A monolithic thermal insulating structure comprising a thermal insulating layer, containing a cellular material and Portland cement hardened by setting at approximately atmospheric temperature, and a heat-resistant facing layer integrally united to the insulating layer, said facing layer containing a large proportion of granular refractory material and a lesser proportion of a hydraulic cementitious material.

2,042,871
ROLL CHUCK ASSEMBLY FOR ROLLING MILLS OF THE BACKED-UP WORKING ROLL TYPE
Howard H. Talbot, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 13, 1934, Serial No. 757,310
9 Claims. (Cl. 80—55)

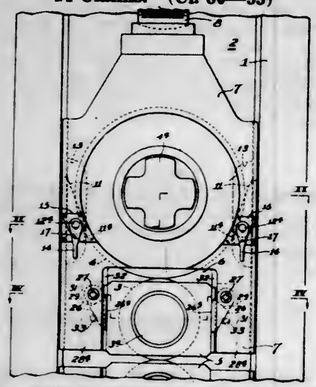
1. In a rolling mill of the backed-up working roll type a working roll chuck, a backing roll chuck designed to receive said working roll chuck and permit vertical and endwise movement of the latter therein, a releasable latch for engaging and preventing endwise movement of the

working roll chuck, said latch being mounted in a recess in said backing roll chuck and means



for moving it into and out of engagement with said working roll chuck.

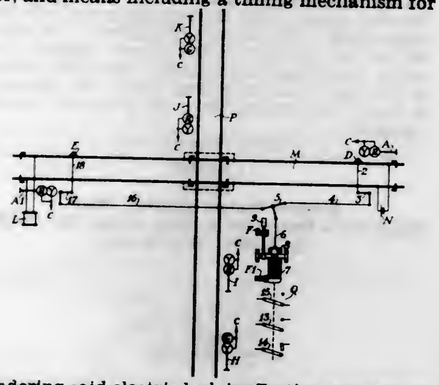
2,042,872
BACKING ROLL CHUCK LATCH
Howard H. Talbot, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 18, 1935, Serial No. 6,950
14 Claims. (Cl. 80—55)



1. In a rolling mill of the backed-up working roll type, a roll housing having a roll chuck receiving window in it, a working roll chuck, a backing roll chuck adapted to be removably mounted in said window and to receive said working roll chuck, and a plurality of pivotally supported latches mounted in recesses in the faces of said backing roll chuck adjacent said working roll chuck and the housing and movable into and out of engagement with the working roll chuck and the housing for holding against endwise movement the backing roll chuck in the roll housing and the working roll chuck in the backing roll chuck.

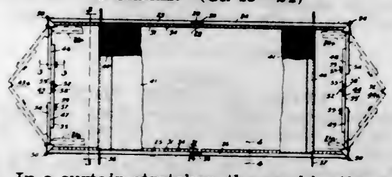
2,042,873
RAILWAY TRAFFIC CONTROLLING APPARATUS
Paul F. Willard, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application November 16, 1934, Serial No. 753,368
15 Claims. (Cl. 246—114)

15. In combination, a stretch of railway track having a traffic governing device associated therewith, a lever for operating said traffic governing device, a mechanical lock for said lever controlled by a padlock, an electric lock for said lever, and means including a timing mechanism for



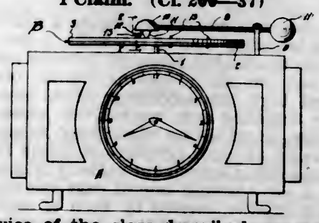
rendering said electric lock ineffective a measured interval of time after said padlock is withdrawn and for retaining said electric lock ineffective until said padlock is restored.

2,042,874
CURTAIN STRETCHER
Frank Edward Acker, Warrensville Heights, Ohio
Application August 3, 1935, Serial No. 34,615
5 Claims. (Cl. 45—24)



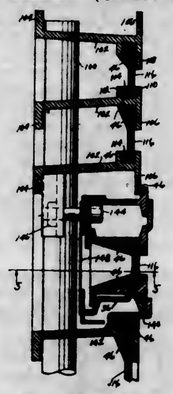
1. In a curtain stretcher, the combination with a curtain, of a frame comprising spaced side rails each having an abutment aligned with one another for slidable engagement with a transversely disposed curtain rod, similar abutments arranged spaced from the first abutments for slidable engagement with a second transversely disposed rod, means arranged along the length of the rails for holding the edges of the curtain, and toggle-like linkage connected with the rails for spreading the rails in a direction longitudinally of the rods.

2,042,875
TIME PERIOD ANNUNCIATOR
Tyson V. Anderson, Partridge, Kans.
Application March 9, 1935, Serial No. 10,313
1 Claim. (Cl. 200—37)



A device of the class described, comprising a rotatable element having a metallic portion and a portion of insulation superposed thereon, said portion of insulation having a spiral groove, an element having a part traversing said groove, a contact plug, and a switch brush carried by said element and adapted to engage said contact plug, the device having an opening extending through said metallic and insulation parts provided with an inclined wall, and said contact plug occupying said opening and engaging said metallic and insulation parts and having an inclined wall corresponding with the first-mentioned inclined wall and engaging the same, said insulation aiding in frictionally retaining the plug in the opening.

2,042,876
DETENTION WINDOW
William D. Bayley, Springfield, Ohio, assignor to The William Bayley Company, Springfield, Ohio, a corporation of Ohio
Application June 8, 1935, Serial No. 25,612
30 Claims. (Cl. 189—64)



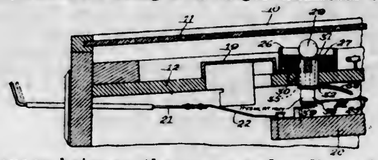
1. A window assembly including mumtin bars having a web, a pair of flanges projecting from one side thereof providing a channel like seat for glazing, and at least one flange upon the opposite side of the web in aligned relation with respect to one of said pair of flanges for supporting the glazing, said flange upon said opposite side being longer than one of the flanges of said pair.

2,042,877
METHOD OF RETARDING THE CRYSTALLIZATION OF ROSIN
Joseph N. Borglin, Hattiesburg, Miss., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 12, 1928, Serial No. 269,600
9 Claims. (Cl. 87—2)

1. A rosin composition substantially resistant to crystallization, which includes rosin having from about 2% to about 5% by weight of a fatty acid soap incorporated therewith.

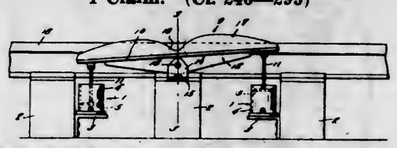
2,042,878
TELLTALE DEVICE FOR GAMES OF SKILL
Herbert G. Breitenstein, Chicago, Ill., assignor to Raymond T. Moloney, Chicago, Ill.
Application April 5, 1934, Serial No. 719,075
10 Claims. (Cl. 273—121)

5. The combination with a game having a substantially horizontal board and a cover thereover and spaced therefrom, of a tell-tale device on the board comprising a ball containing well member surrounded by a vertical wall spaced from the cover, said ball being of a larger diameter than



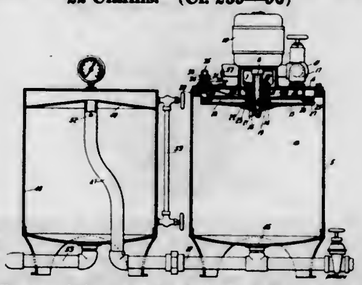
the space between the cover and wall, contacts below the board, and a plunger mechanism controlled by the ball for engaging and disengaging the contacts.

2,042,879
RAILROAD CROSSING SIGNAL
Fred H. Carroll, Grand Crossing, Fla.
Application June 25, 1934, Serial No. 732,339
Renewed March 10, 1936
1 Claim. (Cl. 246—295)



A railroad crossing signal of the class described comprising, in combination, a substantially U-shaped bracket mounted on top of one of the ties of the railroad, brackets mounted on the opposed sides of adjacent ties, pumps mounted on the second named brackets, a signal device operatively connected to said pumps, a pin mounted horizontally in the first named bracket, and a wheel actuated lever for actuating the pumps, said lever including a horizontal bar operatively connected, at its ends, to the pumps, a web depending from said bar into the first named bracket and including a thickened portion journalled on the pin for rockably mounting the lever on said first named bracket, and a wheel engaging flange rising from one of the longitudinal edges of the bar, said flange having an intermediate depression therein.

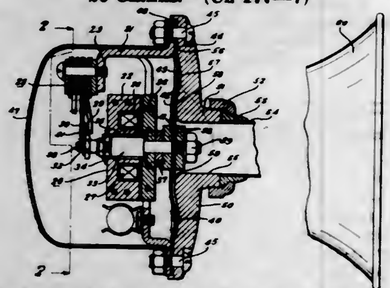
2,042,880
HOMOGENIZER
Mead Cornell, Dayton, Ohio, assignor to The Cornell Machine Company, Cleveland, Ohio, a corporation of Ohio
Application June 28, 1935, Serial No. 28,925
22 Claims. (Cl. 259—96)



1. In a mixing apparatus, a disk mounted for rotation in a substantially horizontal plane, said disk having an outer portion of its upper surface inclined upwardly and outwardly with rela-

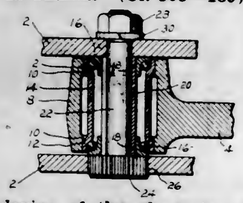
tion to the plane of rotation of said disk and having an inner portion of said upper surface depressed to form an annular recess and merging into said inclined surface, means for delivering a fluid mass to said annular recess, means for rotating said disk at high speed to cause said mass to move from said recess over said inclined surface and to be discharged from said disk in the form of a continuous thin film, and a structure surrounding said disk and arranged in the path of the fluid discharged therefrom.

2,042,881
AIR HORN
Robert M. Critchfield, Anderson, Ind., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 7, 1930, Serial No. 494,061
26 Claims. (Cl. 177—7)



4. A sound signal comprising in combination, a motor, a rigidly supported diaphragm driven thereby, and a collar supporting a trumpet and fixed in peripheral engagement with the diaphragm edge but increasingly spaced therefrom toward the common axis thereof, said diaphragm having a central corrugated portion to stiffen the said central portion so as to increase the volume of air movement, said collar being similarly surfaced to cooperate with the corrugations of said diaphragm whereby vibration movement of the diaphragm will drive out substantially all of the air from the said space between the diaphragm and collar when the diaphragm stops the said trumpet.

2,042,882
ANTIFRICTION BEARING AND MOUNTING
Thomas C. Delaval-Crow, Bristol, Conn., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application November 27, 1934, Serial No. 755,016
12 Claims. (Cl. 308—189)



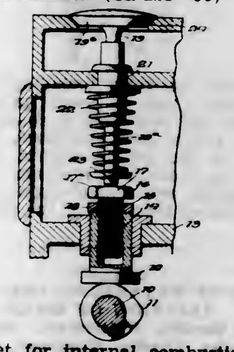
1. In a device of the character described, a member having a pair of fixedly spaced angular contact raceways, a pair of race rings having angular contact raceways, rolling elements engaging the raceways, a sleeve engaging the pair of race rings and furnishing a sliding support therefor, the sleeve being smooth and unobstructed at both ends of each race ring to provide for relative sliding movement between the race rings, the sleeve being of a length to have its ends lie flush with the ends of the pair of race rings when the latter are forced towards one another with a predetermined pressure, and means engaging such flush ends of the sleeve and the race rings to hold the bearing elements under a predetermined initial load; substantially as described.

2,042,883
LOCK SLOT SEAM AND LOCK SLOT
Joseph A. Delaney, Jersey City, N. J.
Application May 20, 1935, Serial No. 22,466
3 Claims. (Cl. 138—74)



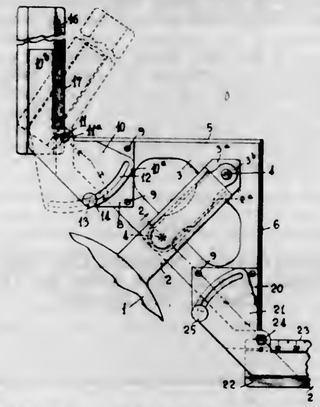
1. A pipe construction comprising a sheet of material having a row of spaced slots adjacent one edge, a plurality of tongues projecting from the other edge, each tongue including a base and a tip, the base of each tongue having a reinforced portion to provide said base with a thickness equal to the width of its companion slot, and a tab formed on one edge below the base of each tongue to increase the thickness of said edge to equal the thickness of the base, whereby when each slot engages its companion tongue the slot is entirely closed against the escape of fluid.

2,042,884
TAPPET
Rigo Ralph Facchini, Kingston, Mass.
Application January 31, 1936, Serial No. 61,816
3 Claims. (Cl. 123—90)



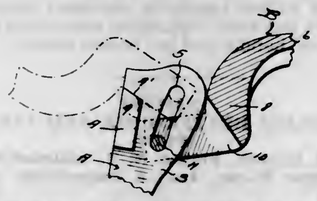
1. A tappet for internal combustion engines and the like, comprising: an annular tappet head provided with a substantially flat tappet face, the internal diameter of which head is less at its tappet face than below said face, a body portion integral with said head and by which said head is supported and driven, said body portion being provided with an axial bore of greater diameter than the internal diameter of said annular tappet head, a compressed helical spring supported within the bore of said body portion, and a hard-surfaced ball-bearing having a diameter slightly greater than the internal diameter of said head at its tappet face, said ball-bearing being rotatably journaled within said tappet head and yieldably maintained by said helical spring, in centrally seated, slightly protruding relation with respect to the tappet face of said head.

2,042,885
DRAFTING APPARATUS
Allan B. Fay, Washington, D. C.
Application March 8, 1935, Serial No. 10,111
6 Claims. (Cl. 33—93)



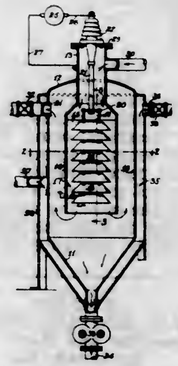
6. Drafting apparatus adapted for use in combination with a universal drafting machine comprising a substantially flat central member having a pair of straight edges lying on lines which intersect at right angles, and a pair of graduated scales pivotally mounted on said central member, each adjacent that end of one of said straight edges opposite to the point at which the lines of said straight edges intersect.

2,042,886
ADJUSTABLE BRACKET
Walter A. Ferguson, Flint, Mich.
Application June 23, 1934, Serial No. 732,156
1 Claim. (Cl. 155—7)



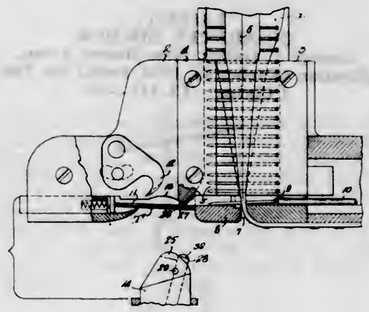
A bracket of the class described comprising a plate, means at one end portion of the plate for supporting the plate in working position, lugs extending from opposite sides of the plate adjacent to but spaced inwardly from the opposite end of the plate, a slot in the plate adjacent to the lugs and disposed on a curvature in a direction toward the lugs, a second member having a bifurcated shank straddling the plate, a pintle disposed through the bifurcated shank and the slot, said slot extending beyond the lugs, the end of the plate adjacent to the lugs contacting with the inner end of the kerf of the bifurcation of the shank when said second member is in an upstanding position with respect to the plate, the shank of the second member when in such position having close contact with the lugs, the upper faces of the lugs being inclined inwardly of the plate toward the end portion provided with the supporting means, the contact of the shank with the lugs when the pin is at the lower portion of the slot holding the member against swinging movement in either direction.

2,042,887
PROCESS AND APPARATUS FOR DEWAXING OILS
Harmon F. Fisher and Blair G. Aldridge, Los Angeles, Calif., assignors to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application October 9, 1933, Serial No. 692,724
2 Claims. (Cl. 204—24)



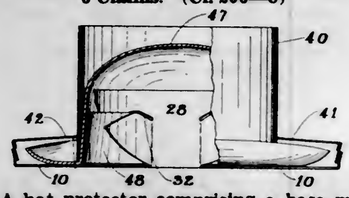
1. A process for dewaxing oil which comprises establishing an electric field between a pair of oppositely charged electrodes, one of said electrodes terminating in an edge or point, said electric field being of sufficient potential to establish an electric windage between said electrodes, flowing a wax bearing oil between said electrodes to agglomerate wax therein and withdrawing oil in a direction countercurrent to the established electric windage.

2,042,888
PINNING MACHINE
Carl A. Flood, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application May 27, 1935, Serial No. 23,659
14 Claims. (Cl. 93—38)



1. A machine for pinning articles such as tags and fabric comprising relatively movable abutments shaped to flex the articles, means for inserting a pin through the article transversely of the flexure, and means for gripping the article in advance of the point of entry of the pin, the latter means having a surface engageable with the article.

2,042,889
HAT PROTECTOR
Max H. Friedler, Lewiston, Maine
Application May 17, 1935, Serial No. 22,033
6 Claims. (Cl. 206—8)



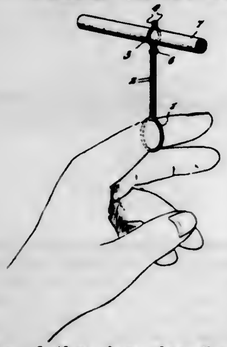
2. A hat protector comprising a base member having two securing members integral therewith, said securing members being divided into two parts, one part being adapted to contact the inside of a sweat band and the other part being adapted to contact the outside of the sweat band, which parts of the securing members coact with the base member to hold the hat against lateral displacement with reference to the said base member.

2,042,890
METAL ROOFING SHINGLE
Jesse Fulenwider and Harry Fulenwider, Savannah, Ga.
Application September 18, 1935, Serial No. 41,046
1 Claim. (Cl. 108—17)



A roof composed of metallic shingles, each shingle having a flat body portion, an upstanding flange with an inwardly turned portion at right angles thereto on the upper edge of said body, and a similar downwardly and inwardly extending flange on the lower edge thereof, beads extending transversely of said body adjacent said upwardly extending flange, said shingles each having said lower flange resting on the body of a subjacent shingle and contacting a bead thereon, and being supported by the upwardly and inwardly extending flange of said subjacent shingle.

2,042,891
CIGARETTE HOLDER
George J. Gailey, New Haven, Conn.
Application October 31, 1934, Serial No. 750,888
1 Claim. (Cl. 131—51)



A device of the class described including a finger ring, resilient front and rear stems extending from the ring and having their lower ends fixed thereto, upper free end portions of the stems being bent outwardly in opposite directions to form bowed jaws adapted to encircle and hold a cigarette, said jaws being disposed in a plane transversely of the finger ring and provided at their outer ends with prongs having roughened inner surfaces to prevent relative transverse movement of the ends when in clamped position, said prongs being adapted to engage each other in closed position of the jaws for cooperating with the stems and bracing the jaws at opposite sides of a cigarette gripped between the jaws, and means slidable on the stems for retaining the jaws in closed relation.

2,042,892
MOP
Albert Granger, Nebraska City, Nebr.
Application May 25, 1934, Serial No. 727,414
2 Claims. (Cl. 15—120)



1. A holder for a mop of flat relatively wide form comprising a hollow elongated handle, a clamping element for one end of the mop secured on the lower end of the handle, a rod slidable and turnable in the handle and projecting from the same at both ends, a clamping element for the other end of the mop mounted on the lower end of the rod, a handle on the upper end of the rod and movable axially therewith, said last named clamping element, when the rod handle is adjacent the upper end of the hollow handle, being below the first named clamping element a distance sufficient to maintain the mop in an untwisted slack condition, and means between the rod and hollow handle to relatively rotate and raise the rod when separating pressure is applied to the rod handle and the hollow handle.

2,042,893
BANDLESS BEATER ROLL AND JORDAN PLUG
John D. Haskell, Fulton, N. Y., assignor to Dilts Machine Works, Inc., a corporation of New York
Application February 7, 1935, Serial No. 5,488
4 Claims. (Cl. 92—22)



1. In a beater roll or the like, the combination with a roll having spaced grooves, beater bars arranged in the grooves, filling between the bars, the said filling and the said bars having registered apertures extending to the outer surface of the filling, and metal bar locking material cast in position in said apertures whereby the bars are secured in place with the filling.

2,042,894
FUEL BRIQUETTE AND METHOD FOR THE PRODUCTION OF SAME
Leendert Johannes Jacobus Haselzet, Rotterdam, Netherlands
No Drawing. Application December 21, 1933, Serial No. 703,487. In the Netherlands January 2, 1933
2 Claims. (Cl. 44—17)

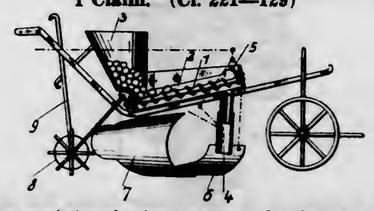
2. A smokeless fuel briquette of low ash content which is coherent even during burning, comprising a shaped and pressed product of approximately 100 parts of non-bituminous fuel duff of low ash content, aluminum silicates present, consisting at least in part of the aluminum silicates of the said duff, and consisting in total amount of approximately 2½% by weight of the amount of duff present, approximately 2% of an amylaceous binder, and an alkaline-boron salt present in the approximate ratio of 1 part of salt to 5 parts of aluminum silicates, the salt and silicates thus being present in just sufficient quantity to react at the temperature of combustion of the briquette, to produce a non-slagging skeleton in the briquette sufficiently strong to prevent the briquette from disintegrating during combustion.

2,042,895
COLOR PHOTOGRAPHY
Gerd Heymer, Dessau-Ziebigk, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application September 7, 1932, Serial No. 632,024
In Germany September 8, 1931
5 Claims. (Cl. 88—24)



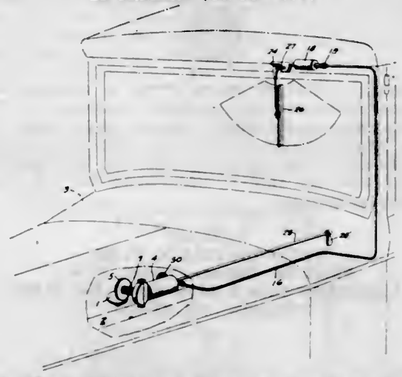
1. A device for printing partial color pictures from originals taken on lenticular film through a multi-color filter which comprises a lenticular film provided with an original and a light sensitive ordinary printing film arranged at a substantial distance from each other, an objective arranged between the original and the printing material, said objective having an aperture smaller than that of the objective used in exposing the lenticular film and a stop inserted in the path of the beam of light, said stop forming a pupil of emergence at a distance from the original corresponding with that of the multi-color filter from the original when the latter was taken, said pupil of emergence having a breadth equal to that of the corresponding color area of the multi-color filter or its virtual image used when the original was taken, means for displacing said stop for printing each partial color picture, means for displacing said objective to form said pupil of emergence with said stop and means for displacing said printing film when displacing said objective.

2,042,896
POTATO PLANTER
Gregor Höfler and Willi Seikel, Altenmittlau, Germany
Application December 14, 1933, Serial No. 702,380
In Germany December 14, 1932
1 Claim. (Cl. 221—129)



In a potato planter, a worm having a spiral of a depth and pitch to convey single tubers, and a roller arranged parallel thereto, means for rotating the roller and worm in the same direction, and a cam on the end of the roller operative to engage and displace tubers from the worm.

2,042,897
WINDSHIELD CLEANER
Erwin C. Horton, Hamburg, and Henry Hueber, Buffalo, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y.
Application March 20, 1930, Serial No. 437,578
Renewed July 19, 1932
18 Claims. (Cl. 15—255)

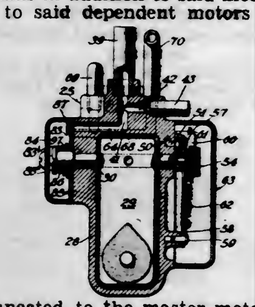


1. The combination with an automotive vehicle having an engine and a windshield cleaner driven by fluid pressure, of means for periodically varying fluid pressure, a conduit leading from said means to said cleaner, a direct drive shaft from said engine having a variable speed, and speed compensating means cooperating with said drive shaft for compensating said variable speed to actuate said fluid pressure varying means at a substantially constant rate.

2,042,898
WINDSHIELD CLEANER
Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application December 14, 1932, Serial No. 647,280
2 Claims. (Cl. 60—97)

1. A windshield cleaner comprising a master motor, dependent motors spaced from one an-

other and dependent upon the motor for their operation, said master motor having a mechanism operatively connected thereto for applying power thereto to operate said master motor, a single means in addition to said mechanism and common to said dependent motors and operatively connected to the master motor for being operated thereby to connect said dependent motors to a source of power, and a play connection between said single means and the master motor to permit idling movement of the latter independent of said dependent motors.



2,042,899
WELDING ROD OR WIRE
Owen L. Howland, Chicago, Ill., assignor to Una Welding, Inc., Cleveland, Ohio, a corporation of Delaware
Original application January 24, 1931, Serial No. 510,888. Divided and this application September 14, 1935, Serial No. 40,617
1 Claim. (Cl. 219—8)



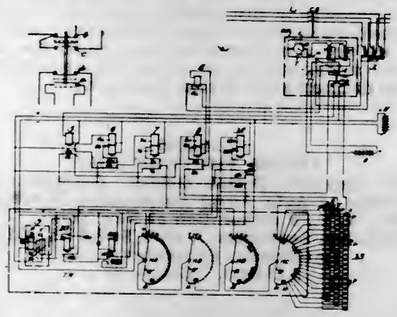
As an article of manufacture a welding rod having different cross sectional diameters in the same plane and forming one or more edges or ribs lengthwise of the rod, the surfaces of the rod having fluxing material thereon between the edges, and the edge or edges being bare of such fluxing material.

2,042,900
VEINOUS DRAIN TUBE
Floyd M. James, Pender, Nebr.
Application June 8, 1935, Serial No. 25,645
2 Claims. (Cl. 27—24)



1. In an embalming instrument, an elongated tube having longitudinally extending slits in one end portion thereof to provide expanding prongs, the ends of the prongs curving inwardly, and an elongated sleeve slidably arranged on the tube for contracting the prongs, the slitted portion of the tube being of the same diameter as the rest of the tube when the prongs are contracted, said sleeve being of the same internal diameter throughout, whereby the tube can be pulled from the sleeve to permit one end of the sleeve to remain in a vein.

2,042,901
RELAY SYSTEM
Samuel H. Kast, Greensburg, Pa., assignor to Railway & Industrial Engineering Company, Greensburg, Pa., a corporation of Pennsylvania
Application March 27, 1934, Serial No. 717,685
22 Claims. (Cl. 175—294)



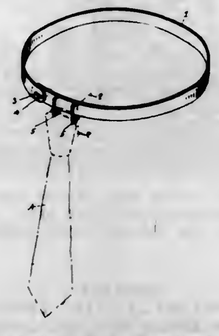
1. In a relay system, a switch to be controlled, means responsive to a predetermined condition for actuating said switch in one sense, means responsive to said actuation of said switch to produce a plurality of electrical impulses, a plurality of relays, certain of said relays being sequentially actuated by said impulses, each of said sequentially-actuated relays including holding means for retaining the same in actuated position upon actuation thereof and each when in actuated position closing contacts in the energization circuit of another relay, a timing device having an energizing circuit controlled by one of said sequentially-actuated relays, means for actuating said switch in a sense opposite that effected by said first switch-actuating means, and switch means actuated by said timing device for periodically energizing said second switch-actuating means.

2,042,902
HEDGE TRIMMER
Peter Kulikowski, Chicago, Ill.
Application March 27, 1935, Serial No. 13,340
3 Claims. (Cl. 30—11)



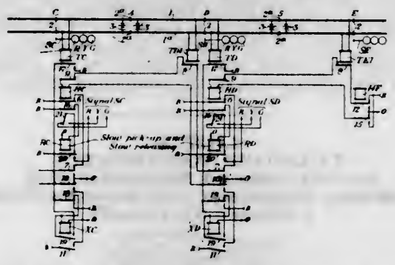
3. A hedge trimmer comprising two blades arranged in overlapping relation with each blade provided with a plurality of cutting teeth, means for movably relating the blades, a pair of handles pivotally connected with one blade, each handle having a gear, the said gears arranged in mesh, and a rack fixedly connected with the other blade and arranged in mesh with one of said gears.

2,042,903
NECKTIE HOLDER
Joseph Mast, Phoenix, Ariz.
Substitute for application Serial No. 714,498, March 7, 1934. This application January 11, 1936, Serial No. 58,769
1 Claim. (Cl. 2—155)



A device of the class described comprising a flexible split ring, means for detachably connecting the ends of the ring together, and a pair of spaced loops carried by the ring adjacent one end thereof, said loops being adapted to receive a portion of a necktie.

2,042,904
RAILWAY TRAFFIC CONTROLLING APPARATUS
Ronald A. McCann, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application April 22, 1931, Serial No. 532,026
Renewed March 29, 1932
5 Claims. (Cl. 246—41)



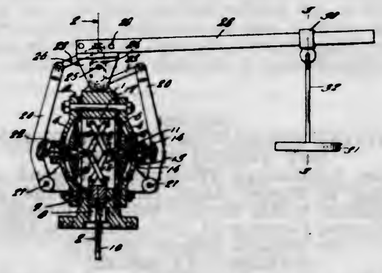
1. In combination, a block of railway track divided to form two track sections, a track circuit including a track relay for each section, means including a home relay for governing traffic in one direction through said block, a circuit for said home relay including front contacts of both of said track relays, a repeater relay controlled by a front contact of said home relay and having slow pick-up and slow releasing characteristics, a stick relay; control means for said stick relay delaying a change in the condition of the relay during the pickup time of said repeater relay to prevent such change during a brief simultaneous energization of both said track relays and comprising a pick-up circuit for said stick relay including a back contact of the track relay first opened by a train moving in said one direction entering said block as well as a front contact of said repeater relay, and a stick circuit for said stick relay including a back contact of said repeater relay; and means controlled by said stick relay for governing traffic moving in said one direction approaching said block.

2,042,905
CHRISTMAS TREE ORNAMENT
William A. McCluskey, St. Louis, Mo.
Application April 12, 1934, Serial No. 720,332
4 Claims. (Cl. 41—10)



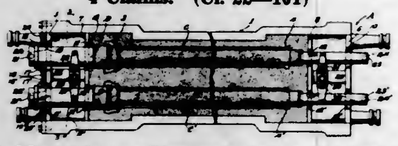
2. A Christmas tree ornament comprising an elongated hollow body of translucent material open at one end and tapering to a closed point at the other end, the said body having circular constructions throughout its length, and means for suspending the body comprising an inverted V-shaped wire having a portion of each side at the free end thereof bowed outwardly for frictional engagement with the inner surface of the body through the open end.

2,042,906
BALANCED PRESSURE REGULATOR
Clayton B. McElwaine, Tulsa, Okla., assignor of fifty-one per cent to Henry N. Greis, Tulsa, Okla.
Application July 23, 1935, Serial No. 32,793
2 Claims. (Cl. 137—156)



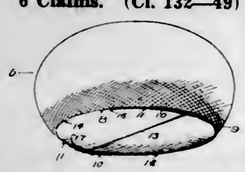
1. In combination with a pressure regulator including a casing having a pair of diaphragms therein moved outwardly by pressure, members connected with the diaphragms and extending outwardly, a pair of levers located exteriorly of the casing and engaging the outer ends of said members, a rocker arm, a link connecting one lever to the rocker arm to one side of the pivot thereof, a link connecting the other lever to the other side of the pivot thereof, and a weighted lever connected with the rocker arm for resisting outward movement of the levers.

2,042,907
MEANS FOR SUPPORTING AND POSITIONING CORE BARS IN FLASKS, AND COMBINATIONS OF SUCH MEANS WITH CORE BARS AND FLASKS
James R. McWane, deceased, late of Birmingham, Ala., by Arthur T. McWane, William McWane, and Jelks H. Cabaniss, executors, Birmingham, Ala., assignors to McWane Cast Iron Pipe Co., Birmingham, Ala.
Application May 11, 1934, Serial No. 725,198
4 Claims. (Cl. 22—101)



3. Means for positioning a horizontal core bar in a horizontal flask comprising screw means engaging the core bar and being mounted on a vertical axis and being movable in a purely vertical direction for exerting only vertical pressure on the core bar; and other screw means engaging the core bar and being mounted on a horizontal axis and being movable in a purely horizontal direction for exerting pressure on the core bar in a horizontal direction only.

2,042,908
HAIR NET
Leon J. Francois Morins, Lyon, France
Application March 4, 1935, Serial No. 9,163
6 Claims. (Cl. 132—49)



1. A hair net comprising a length of netting having border meshes at the sides, and border elastics, one threaded through the border meshes on one side of the net, from end to end, and the border elastic on the other side being attached to the border meshes adjacent the ends of the net only, and unconnected with the border meshes therebetween, the ends of the border elastics being secured to the ends of the netting.

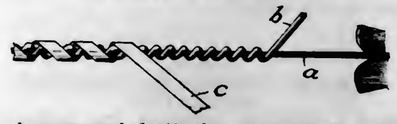
2,042,909
NAUGHT MECHANISM FOR USE IN TEN KEY ADDING MACHINES
Hannes Satukangas, Pitajanmaki, Finland, assignor to Hannes Aarni, Lahti, Finland, and Johannes Heikki Kemila, Helsinki, Finland
Application February 14, 1933, Serial No. 656,735
In Finland January 25, 1933
12 Claims. (Cl. 235—60)

1. In a ten key adding machine, a shiftable pin carriage, shifting mechanism therefor, a normally ineffective lock for said carriage, numeral keys for controlling a one step shift of said carriage, naught keys for controlling a variable shifting of the carriage, means operated by any of said keys for shifting into and holding said lock in effective position, said means being formed to permit concurrent depression of a numeral key and a naught key or a plurality of naught keys, and an escapement for said carriage under the conjoint control of both the numeral keys and the naught keys, whereby the shifting means is operated to control the shifting of the carriage an



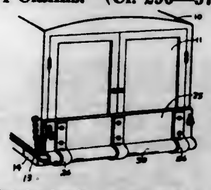
amount equal to the sum of the amounts controlled by the depressed keys after the locking means releases the carriage for movement.

2,042,910
COMPOUND ELASTIC THREAD
Leo Silverman, Elkins Park, Pa., assignor to Leo Silverman and Herbert B. Loeb, Philadelphia, Pa., a partnership trading as Silverman-Loeb Yarn Company
Application February 26, 1936, Serial No. 65,744
5 Claims. (Cl. 117—57)



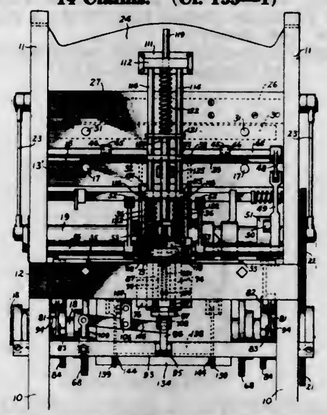
1. A compound elastic thread comprising an inner rubber core thread, an intermediate textile fabric thread spirally wound upon the rubber core thread and an outer covering strip, relatively wide and thin, of glycerinated regenerated cellulose spirally wound upon the intermediate thread, the textile fabric thread having a surface of such greater roughness than that of the inner core or outer strip that the latter maintains a substantially fixed relation thereto in the elongation and contraction of the compound thread.

2,042,911
TAILBOARD FOR VEHICLES
Bruce M. Stannard, Binghamton, N. Y.
Application December 5, 1934, Serial No. 757,136
4 Claims. (Cl. 296—57)



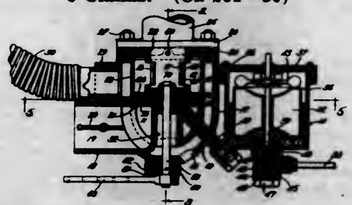
1. In a vehicle body comprising a floor member that extends rearwardly and terminates in a transversely disposed tail edge, pintle means mounted beneath the floor level, a pair of guide straps operatively engaging the pintle means, a tail board having a rear face and an innermost swinging edge carried by the guide straps and which straps in one extreme travel position about said pintle serve to guide the aforesaid innermost board edge into a closely contiguous relationship with the floor member, and a cross-sectionally trough shaped trap of which one longitudinal edge constitutes a sealing lip disposed outwardly beyond the rear tail board face and serves to supplement the seal afforded by the aforesaid contiguous relationship of the board edge, said lip being cooperatively located beneath the tail edge of the floor member and maintaining a clearance space therebetween in all swing positions of said straps.

2,042,912
MACHINE FOR MAKING BINDING STRIPS
William Stuebing, Jr., Cincinnati, Ohio
Application June 13, 1934, Serial No. 730,432
Renewed October 28, 1935
14 Claims. (Cl. 153—1)



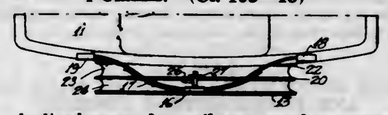
1. In a machine of the character described, in combination, a hopper, a movable table, means for periodically moving said table alternately to close and open the mouth of said hopper, means for successively feeding folded metal strips across said table to a position beyond the mouth of said hopper, means periodically operative in the said position of said strips to perform a finishing operation thereon, and means responsive to the operation of said finishing means for delivering said strips into the open mouth of said hopper when the finishing operation has been completed.

2,042,913
CARBURETOR
Oren F. Teed, Los Angeles, Calif.
Application September 5, 1933, Serial No. 688,154
9 Claims. (Cl. 261—50)



1. A carburetor including, a body having an air passage, a partition across the passage having an aperture, a manifold in the body surrounding the upper portion of the passage for circulating heated gases, a member projecting above the partition having liquid fuel ports for discharging into the upper portion of the passage, a body part extending through said manifold and having a fluid passage delivering fuel to the said ports, and a valve for controlling the flow through said aperture and for closing said ports.

2,042,914
DIAPHRAGM FOR RAILWAY COACHES
James T. Trumpbour, Bronx, N. Y.
Application March 7, 1934, Serial No. 714,434
4 Claims. (Cl. 105—18)



1. A diaphragm for railway coaches comprising a covering made in folds of comparatively light, flexible fabric, a frame between said folds and to which said folds are secured, a face plate for one end of said diaphragm, the opposite end of said diaphragm being connected to the coach, a stem projecting from said face plate and a support depending from said stem for said frame.

2,042,915
CIRCUIT CLOSING DEVICE
Frederick C. Twist, near Weldon, Ill.
Application May 14, 1934, Serial No. 725,522
2 Claims. (Cl. 200—52)



1. The combination with the rear axle of a motor vehicle, of a member supported at right angles to said axle having two walls one lying opposite the other, a toggle structure mounted in the member, electrically connected to the same, and including a stem having a shoe in frictional engagement with the axle and swung by such engagement, means to urge the stem endwise toward said axle, an electrical terminal on each of two opposite walls of the member adapted to alternately receive contact of the toggle during the swing of the same in opposite directions of rotation of the rotatable member, and an electrical terminal adjacent each of the first named terminals between the same and the end of the tubular member lying nearest the said axle, the second named terminals being each adapted to receive initial contact of the toggle in its movement and each having separate electrical connection with an opposite terminal of the first named terminals.

2,042,916
BLADE SHARPENING DEVICE FOR ICE SKATES
Joseph Viozzi, Hamilton, Ontario, Canada, assignor to Vitz Skate Hone Company, Hamilton, Ontario, Canada
Application March 2, 1935, Serial No. 9,042
1 Claim. (Cl. 51—205)



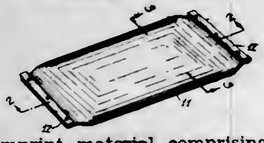
A skate blade sharpening device comprising a flat sharpening stone positioned to engage a skate blade along one edge of the stone, a pair of guide plates of greater width than the stone and positioned one at each side thereof, the plates projecting downwardly beyond the blade-engaging

edge of the stone to form a skate blade receiving slot, means extending between the plates for clamping the plates and stone in assembly, and lips turned outwardly from the bottom edges of the plates below the blade-engaging edge of the stone to form thumb and finger rests positioned below the edge of an engaged skate blade.

2,042,917
HIGH CONCENTRATION AGAR AGAR GEL AND COMBINATIONS THEREOF

Henry von Brandt, New York, N. Y.

Application July 22, 1932, Serial No. 624,119
13 Claims. (Cl. 18—47)

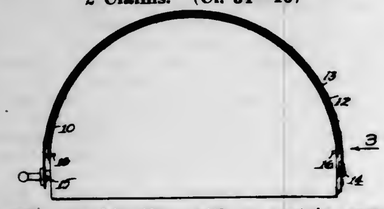


1. An imprint material comprising a highly concentrated homogeneous gelatinous binder, a body of powdered material and a mixture of hard and soft virgin rock forming the major part of said body material.

2,042,918
MATRIX SCORCHER

Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia

Application June 2, 1932, Serial No. 614,919
Renewed November 1, 1935
2 Claims. (Cl. 34—16)

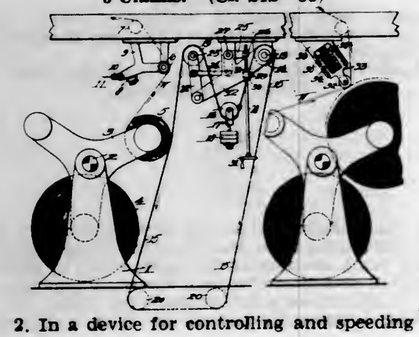


1. The combination with a matrix scorcher having projections fixed in definite positions therein, of matrices molded with depressions for receiving said projections, whereby successive matrices are scorched in registering positions.

2,042,919
WEB ROLL CONTROLLING DEVICE

Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia

Application March 13, 1933, Serial No. 660,470
Renewed November 1, 1935
3 Claims. (Cl. 242—58)

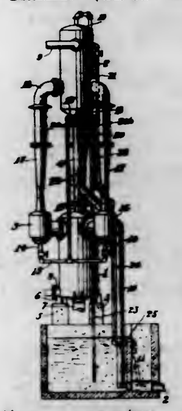


2. In a device for controlling and speeding up web rolls for a web splicing mechanism, the combination of an endless belt for engaging the surfaces of said rolls, means for guiding the belt located in a position near the web roll which the belt is engaging, and means for moving said belt guiding means toward both rolls to cause a wrap of the belt around an arc of the circumference of the web roll located nearest to said guiding means.

2,042,920
WATER-VAPOR REFRIGERATING APPARATUS

George H. Woodard, Phillipsburg, N. J., and John Kirgan, Easton, Pa., assignors to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application September 26, 1934, Serial No. 745,536
16 Claims. (Cl. 62—152)

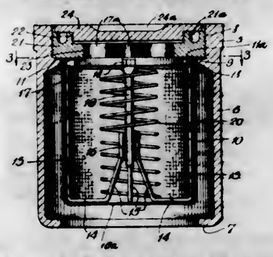


1. Refrigerating apparatus comprising an evaporator, a condenser above the evaporator, and evacuator members connecting the evaporator to the condenser and bracing the latter.

2,042,921
CLOSURE AND STRAINER DEVICE

Abraham A. Arvintz, Brooklyn, N. Y., assignor to Seal-O-Strain Corporation, Brooklyn, N. Y., a corporation of New York

Application March 23, 1934, Serial No. 717,037
8 Claims. (Cl. 210—170)

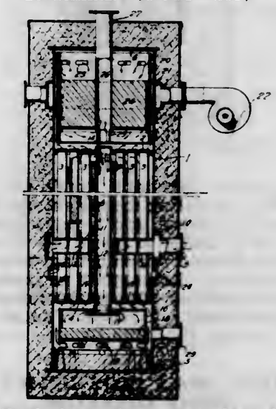


1. A device of the class described comprising a thimble-shaped strainer body, a supporting frame within said body, a closure plate slidably engaging said frame, means at one end of the frame for limiting outward movement of said plate and against which the plate seats to form a closure admission to said strainer body, a spring for supporting said plate in closed position, said means having a large admission port, and said plate having projecting lugs extending into said admission port whereby the placement of a tubular fluid supply means into the admission port will operate to move said plate into open position to permit the passage of fluid into said strainer body.

2,042,922
PROCESS AND APPARATUS FOR VAPOR PHASE CATALYSES

Alling P. Beardsley, Plainfield, N. J., assignor to The Calco Chemical Company, Inc., Bound Brook, N. J., a corporation of Delaware

Application August 4, 1933, Serial No. 683,582
10 Claims. (Cl. 23—288)



1. A method of carrying out exothermic catalytic vapor phase oxidations which comprises passing reaction gases upwardly in direct heat exchange relation but out of direct contact with the catalyst, reversing the flow of the reaction gases and bringing them to the bottom of the catalyst without substantial heat exchange with the catalyst on the downward flow and causing the gases, thus preheated, to pass upwardly through the catalyst in concurrent flow with the incoming reaction gases.

2,042,923
PLASTIC COMPOSITIONS AND ARTICLES MADE THEREFROM

Arthur E. Brooks, Nutley, N. J., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application August 2, 1935, Serial No. 34,325
8 Claims. (Cl. 106—22)

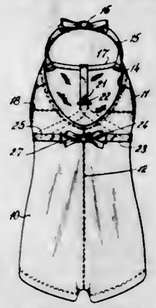
1. A plastic composition comprising an olefin polysulphide plastic and a plastic, elastic reaction product of one molar proportion of an aromatic compound having the general formula $R—C_6H_4—R'$, where R and R' each represent hydrogen or a saturated aliphatic hydrocarbon radical containing more than one carbon atom, with about one to three molar proportions of ethylene chloride.

2,042,924
BATHING SUIT

Patricia Cunningham, New York, N. Y., assignor to The Piqua Hosiery Company, Inc., Piqua, Ohio, a corporation of Ohio

Application November 30, 1935, Serial No. 52,301
3 Claims. (Cl. 2—67)

1. A lady's garment comprising a bodice and a part adapted to extend below the waist, said bodice having breast-covering portions, means for vertically and adjustably drawing together the front of the bodice between the breast-covering portions to provide breast pockets of varying degrees of fulness, means for adjustably supporting the bodice as a whole, whereby the fulness of the breast pockets and their relative vertical position may be adjusted to the figure of the wearer, strap means secured to the bodice and extending

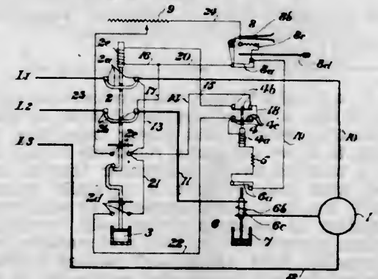


downwardly from a point between the breast-covering portions, beneath said breast-covering portions, and to the rear of the garment, and means for adjustably securing the ends of said strap means together at the rear of the garment, the downwardly and rearwardly extending strap means holding the bodice close to the body beneath the breasts, when the garment is worn, and assisting in forming the breast-supporting pockets.

2,042,925
AUTOMATIC RECLOSING CIRCUIT BREAKER SYSTEM

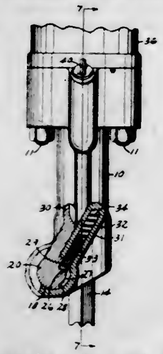
Arthur Herbert Curtis, Bedford, England, assignor, by mesne assignments, to Cutler-Hammer, Inc., Milwaukee, Wis., a corporation of Delaware

Application March 5, 1926, Serial No. 92,426
In Great Britain March 12, 1925
4 Claims. (Cl. 175—294)



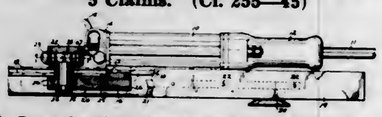
1. In a circuit, a main breaker located in the said circuit, means for automatically reclosing the said breaker, means for rendering said reclosing means inoperative comprising a switch, a resistance element and a thermostat element, the thermostat element located in operative relation to the resistance element, the resistance element energized when the main breaker is open to heat the thermostat element to cause the thermostat element, after a certain time, to operate the switch to render the said reclosing means permanently inoperative if the main breaker remains open for a too long time interval or an aggregate of successive open periods substantially equal to the said time interval.

2,042,926
TOOL RETAINER
John C. Curtis, Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio
Application February 26, 1934, Serial No. 713,011
11 Claims. (Cl. 121—32)



1. In a tool retainer for rock drills, the combination of a housing, a collared tool slidable therein, a member within said housing normally rotatable into or out of engageable position with the collar of said tool, a slot within said member, and spring actuated means engageable with one wall of said slot for locking said member into or out of said engageable position and with another wall of said slot for preventing the removal of said member from said housing when said member is located into or out of said position and during its normal rotation.

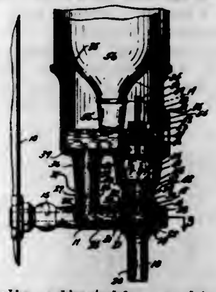
2,042,927
FEEDING MECHANISM FOR ROCK DRILLS
John C. Curtis, Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio
Application May 19, 1934, Serial No. 726,521
5 Claims. (Cl. 255—45)



3. In a feeding device, the combination with a support and a motor slidable thereon, a piston reciprocable within said motor imparting jars thereto to move the motor relatively to the support, a housing having a member therein associated with said motor and normally movable thereby due to the jars imparted to said motor, a plurality of passages within said housing in constant communication with said member, noncompressible fluid within said passage normally displaced therein due to the movement of said member, a single check valve automatically operated for controlling the displacement of the fluid within said passage in a manner permitting the movement of said motor in one direction and preventing the movement thereof in the other direction, and a single throttle valve manually operated means for selectively controlling the direction of movement of said motor.

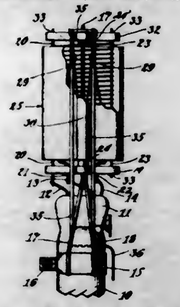
2,042,928
LIQUID DISPENSING MEANS
Leo L. Da Costa, Brooklyn, N. Y.
Application June 19, 1935, Serial No. 27,296
4 Claims. (Cl. 225—26)

1. Liquid dispensing means comprising a faucet having a primary duct from a primary liquid source and a secondary duct, a trap-well mounted on said faucet to communicate with said secondary duct, said trap-well being adapted to receive and support an inverted secondary liquid container, a valve casing having a discharge spout, a closed measuring cup connected with said valve casing, said measuring cup hav-



ing a vertically adjustable combined air vent and capacity regulating means entering into the upper interior thereof, and a valve member rotatable in said casing to selectively control flow of secondary liquid from said trap-well into said measuring cup, or discharge of secondary liquid from said measuring cup in accompanying relation to discharge of primary liquid through said valve casing discharge spout.

2,042,929
ELECTRON DISCHARGE DEVICE AND ANODE THEREFOR
George M. Dinnick, Bloomfield, N. J., assignor to Westinghouse Lamp Company, a corporation of Pennsylvania
Original application June 1, 1933, Serial No. 673,865. Divided and this application December 28, 1935, Serial No. 56,447
3 Claims. (Cl. 250—27.5)

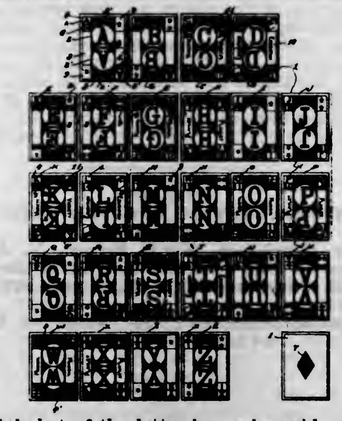


1. An electron discharge device including a stem, an anode, a cathode, said anode surrounding said cathode, said anode being a composite single unit composed of carbon, said anode being in the form of a hollow tubular shell with extensions thereon and a plurality of standards carried by said stem, said extensions having openings therein, said standards extending into said openings.

2,042,930
GAME
William J. Emmerich, Baltimore, Md., assignor of one-half to Marguerite K. Emmerich, Richmond, Va.
Application February 18, 1935, Serial No. 7,026
7 Claims. (Cl. 273—152)

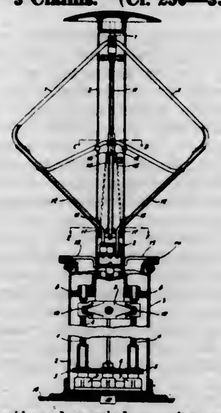
1. A set of playing members including a plu-

rality of series of members, each series comprising a number of members, each bearing a different letter of the alphabet conspicuously produced thereon, and a number approximately corresponding to the inverse order of the position in



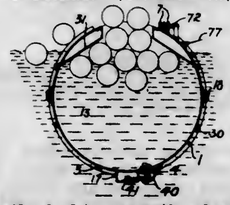
the alphabet of the letter borne by said member the members of each series bearing similarly colored identification marks on the front and on the back, the separate series being distinguished by different colors.

2,042,931
DIRECTIONAL AERIAL AND APPARATUS FOR USE THEREWITH
Harry Alexander Ewen, Shenfield, England, assignor to Radio Corporation of America, a corporation of Delaware
Application September 21, 1932, Serial No. 634,133
In Great Britain October 22, 1931
3 Claims. (Cl. 250—33)



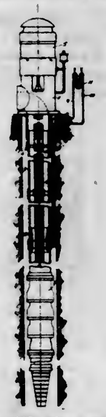
1. A directional aerial carrier system capable of collapsing, comprising a plurality of wires within a rubber sheath, said wires supported by a central tubular member, a protective cap over the top of said central tubular member, mechanical means for elevating said central tubular member by a pair of threaded members contained within a vertical outside tubular support and secured to said central tubular member, said threaded members being rotated simultaneously by an electric motor so as to collapse said aerial system within said central tubular member and lowering said central tubular member within said vertical outside tubular support when said aerial is not in use.

2,042,932
BARGE FOR TRANSPORTING LOGS AND THE LIKE
Walter B. Fogh, Seattle, Wash.
Application February 3, 1934, Serial No. 709,627
9 Claims. (Cl. 114—72)



2. The method of transporting logs which comprises filling a non-buoyant container partially full of water, discharging logs thereinto through an opening in its upper portion, the water cushioning the fall of the logs to prevent impact thereof against the container, closing the container opening, placing the interior of the container in communication with the water outside the container, moving the container to its destination, cutting off communication between the outside and the inside of the container, pumping out sufficient water to relieve pressure of the logs against the opening closure, removing the closure means from the opening, and admitting water to the container to lift the upper logs through the opening by reason of the buoyancy of the lower logs.

2,042,933
DRILLED-WELL PUMP AND VENTURI METER
Walter L. Forward, Oakland, Calif., assignor to Byron Jackson Co., Huntington Park, Calif., a corporation of Delaware
Application November 4, 1935, Serial No. 48,106
6 Claims. (Cl. 73—198)



1. In combination with the column of a drilled-well pump having a rotary pump shaft extending through the length of the column and a pump connected to the shaft at the lower end thereof, a Venturi tube interposed in the column between the ends thereof and provided with pressure

taps, a pressure-responsive indicator located at the top of the well and pressure conduits communicating the indicator with the taps in the Venturi tube.

2,042,934
FIREARM
Merle A. Gill, Kansas City, Mo., assignor to Newton S. Hillyard, St. Joseph, Mo.
Application September 29, 1933, Serial No. 691,466
5 Claims. (Cl. 42—2)

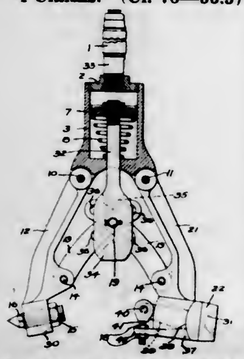


5. In a device of the character described, a hand stock having a tubular socket, a firing pin guide tube fixed concentrically within the socket, a barrel member connected in axial alignment with the guide tube, a firing pin slidable in the guide tube, a firing pin spring housed within the guide tube for normally urging the firing pin to firing position, a firing sleeve snugly slidable within the tubular socket of the hand stock and having an annular gripping portion snugly slidable upon the barrel member, latching means completely enclosed within the sleeve member for releasably actuating the firing pin upon movement of the firing sleeve to load said firing pin spring, and a firing sleeve spring housed within the socket of the hand stock for returning the firing sleeve.

2,042,935
CLEAN UP AGENT FOR VACUUM DEVICES
Daniel S. Gustin, Bloomfield, N. J., assignor to Westinghouse Lamp Company, a corporation of Pennsylvania
No Drawing. Application October 21, 1932, Serial No. 638,995
4 Claims. (Cl. 250—27.5)

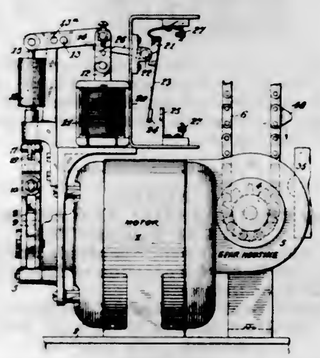
1. In a vacuum device, a clean-up agent comprising phosphorus, cryolite and an alkali earth metal.

2,042,936
RIVET-BACKING MACHINE
Emil Halm, Quincy, Mass.
Application April 22, 1935, Serial No. 17,681
4 Claims. (Cl. 78—53.5)



1. A rivet-backing device comprising a cylinder member, two arms pivoted thereto, a rivet-backing member carried by one arm, the other arm having means to engage a fixed abutment, a piston in said cylinder member, a piston rod extending therefrom and provided with an enlarged outer end having an opening, a link pivotally connected at its outer end to each arm, the inner end of each link extending through the opening of the piston rod and having a plurality of apertures, a pivotal pin extending through the enlarged end of the piston rod and an aperture in each link to pivotally connect the link to the piston rod, and means to admit compressed air to the cylinder, the plurality of apertures in the links providing for varying the spread of the arms due to the movement of the piston.

2,042,937
POWER SYSTEM FOR ELEVATORS AND THE LIKE
Bjarne Henricksen, North Bergen, N. J., assignor to Sedgwick Machine Works, Incorporated, Poughkeepsie, N. Y., a corporation of New York
Application December 4, 1934, Serial No. 755,915
6 Claims. (Cl. 192—2)

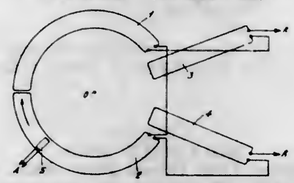


3. Power apparatus comprising: carrier actuating means; an electric motor mechanically connected to said carrier actuating means to drive the same; a brake mechanically connected to said motor, said brake including means to bias the brake in set position; a solenoid having a magnetically actuated member mechanically connected to said brake and operative to retract the brake upon energization of the solenoid; switching means also mechanically connected to said magnetically actuated member and electrically connected to operatively energize the motor upon energization of the solenoid; and a control circuit including in series, the solenoid, a service switch, and safety and emergency switches, some of the control circuit switches being located remotely from the motor, and such remotely located switches and the solenoid being excluded from the circuit carrying the motor current.

2,042,938
REFINING VEGETABLE MATERIAL
Winfrid Hentrich, Dusseldorf-Reisholz, and Friedrich Hoermann von und zu Guttenberg, Dusseldorf, Germany, assignors to firm Henkel & Cie., G. m. b. H., Dusseldorf, Germany
No Drawing. Application July 16, 1934, Serial No. 735,446. In Germany July 26, 1933
8 Claims. (Cl. 99—103)

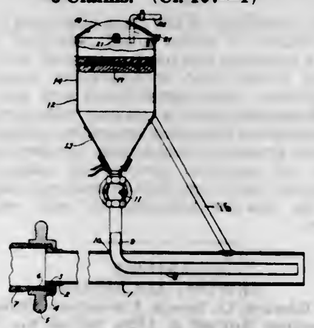
5. The process of improving lupines, which comprises treating coarsely ground lupines with an alkylene oxide compound.

2,042,939
SIGNALING DEVICE
Paul Hermanspann, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application November 14, 1932, Serial No. 642,567
In Germany December 21, 1931
11 Claims. (Cl. 250—11)



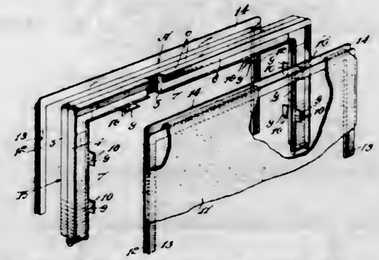
1. A coupling system for directional apparatus of the type having periodic fluctuations in signal volume comprising a loop antenna, an auxiliary antenna, a rotatable inductance coil mounted for uniform rotation and coupled to said auxiliary antenna, a second inductance coil system fixed with respect to said rotatable inductance coil, said system comprising four inductance coils of two different coil areas coupled to said loop antenna and mounted in coupling relation to said rotatable inductance coil to produce a non-uniform field.

2,042,940
ICE CREAM APPARATUS
Albert E. Herron, Cleveland, Ohio, assignor, by mesne assignments, to Vogt Processes, Inc., Louisville, Ky., a corporation of Delaware
Application October 17, 1932, Serial No. 638,084
6 Claims. (Cl. 107—1)



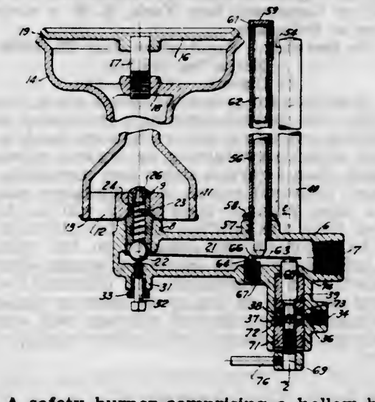
1. In an ice cream confection making apparatus, an extrusion nozzle adapted to be secured at one end to an ice cream making apparatus to have ice cream, frozen to plastic consistency, continuously supplied under pressure to said nozzle end and to continuously extrude the ice cream from the other end in the form of a bar, a filler nozzle disposed longitudinally in the extrusion nozzle whereby ice cream in the extrusion nozzle may flow along and over the filler nozzle and have a hollow core formed therein generally of the cross-sectional shape of the filler nozzle, means for continuously supplying flavored filling material to the filler nozzle under pressure to cause it to discharge into and fill the hollow core, and the filler nozzle terminating adjacent to the end of the extrusion nozzle at a point at which the inward expansive force of the ice cream is substantially balanced by the pressure of the filling material at the discharge end of the filler nozzle.

2,042,941
HANDBAG
William C. Hiering, Millburn Township, Essex County, N. J., assignor to J. E. Mergoth Company, Newark, N. J., a corporation of Delaware
Application October 15, 1932, Serial No. 637,895
1 Claim. (Cl. 150—29)



In a hand bag, a U-shaped metal frame member formed from sheet metal of uniform thickness, said frame member having an inner side wall provided with upper and lower flanges, the upper flange of the longitudinal section of the frame member having a downturned flange, an inlay of channel shaped construction and U-shaped to correspond to the shape of the frame member, the leg portions of the inlay having walls of equal height, the longitudinal section of the inlay having an inner wall of greater height than the outer wall adapted to be positioned underneath the downturned flange of the longitudinal section of the frame, the leg portions of the inlay adapted to be positioned in the leg portions of the frame, and tabs integral with the lower flange of the longitudinal section, said tabs being bendable over the inlay parallel to the inner side wall of the frame member to securely clinch the inlay to the frame member.

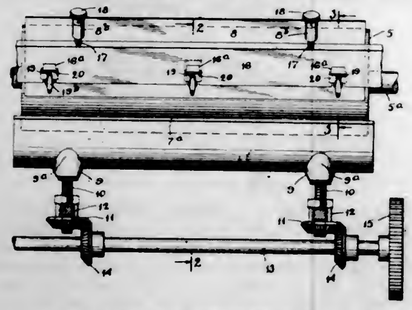
2,042,942
SAFETY BURNER
Horace L. Hirschler, San Francisco, Calif.
Application April 15, 1932, Serial No. 605,515
2 Claims. (Cl. 158—117.1)



1 A safety burner comprising a hollow body, a main gas burner mounted on said body and receiving gas therefrom, a pilot gas burner, a main valve within said body to control flow to said main burner, a pilot valve within said body to control flow to said pilot burner, a resilient lever within said body operable to actuate said valves, a thermostat on said body responsive to

said pilot burner operable to actuate said lever, and means on said body to operate said pilot valve independently of said thermostat.

2,042,943
INK FOUNTAIN
Ernest Hoyle, Woodside, N. Y.
Application June 4, 1935, Serial No. 24,806
5 Claims. (Cl. 101—365)



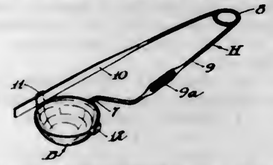
1. An ink fountain comprising a roll, an ink receptacle disposed beneath the roll and into which the surface of the roll passes for application of ink thereto, a blade supporting plate arranged longitudinally of and in spaced relation to said roll, a blade for controlling the amount of ink to be transmitted by said roll for supply to a press, means for adjustably mounting said blade in connection with said supporting plate and in a plane tangential with respect to the peripheral surface of said roll, said means comprising blocks slidably engaging said supporting plate, and other means mounted in connection with said blocks and engaging the blade at longitudinally spaced intervals for adjusting the position of the free edge of the blade toward and from said roll.

2,042,944
METHOD OF PRODUCING RAYON
Emil Kline, Buffalo, N. Y., assignor to Du Pont Rayon Company, New York, N. Y., a corporation of Delaware
No Drawing. Application July 22, 1930, Serial No. 469,911
21 Claims. (Cl. 18—54)

1. A method for producing sheets, films, threads and the like characterized by a low luster which comprises extruding into an aqueous bath a cellulosic solution containing an organic substance of more than 4 carbon atmos and containing one or more hydroxyl groups, said substance possessing a vapor pressure such that it will not be removed from the solution prior to extrusion and will be automatically removed in the spinning and in the subsequent operations employed in the production of the product, and finishing the extruded material in the usual manner employed in the production thereof whereby said organic substance is automatically substantially eliminated.

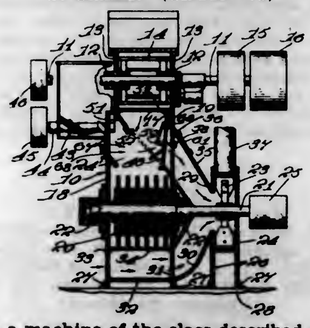
2,042,945
MEASURING SPOON
Omer V. Lemay, Minneapolis, Minn.
Application May 17, 1934, Serial No. 726,105
6 Claims. (Cl. 73—62)

1. A measuring spoon including a bowl and a resilient, substantially U-shaped handle member, the end of one leg of said member being affixed to said bowl and the free end portion of the other leg of said member being formed into a straight



edged leveling element engaging the edge of said bowl and being adapted to be swung transversely of said bowl.

2,042,946
ROUGHAGE MILL
John Holland-Letz, Crown Point, Ind., assignor to The Letz Manufacturing Company, a corporation of Indiana
Application January 11, 1932, Serial No. 585,851
27 Claims. (Cl. 146—79)



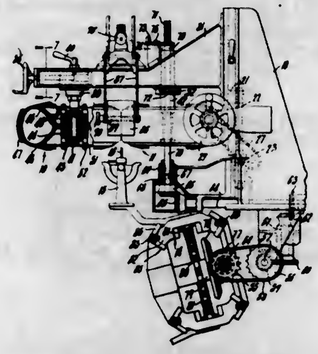
1. In a machine of the class described comprising a frame, a cutter head mounted on said frame, a grinding mechanism located directly below said cutter head, a separating chamber located between said cutter head and said grinding mechanism, and a mixing fan mechanism communicating with said separating chamber and with said grinding mechanism for elevating and mixing the material ground by said grinding mechanism with the lighter material separated from the heavier material in said separating chamber.

2,042,947
SEWING ACCESSORY
Edward G. Lewis, Columbus, Ohio
Application August 4, 1934, Serial No. 738,395
15 Claims. (Cl. 242—137)



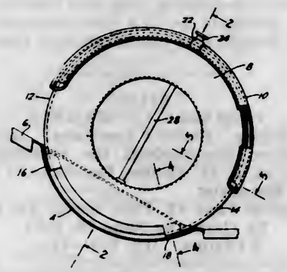
5. A spool holder comprising the combination with a base, of a spool support on the base, a friction member adapted to engage the thread of a spool carried by the support to wipe the thread as it is removed from the spool, and means engaging the spool in opposition to the friction member and positioned to cause the spool to be pressed against the friction member for holding the spool against accidental displacement in all directions from its position on the base.

2,042,948
COMPACTING APPARATUS
Harry F. Lewis, Hamden, Conn., assignor to United States Rubber Company, New York, N. Y., a corporation of New Jersey
Application February 6, 1935, Serial No. 5,171
12 Claims. (Cl. 18—2)



11. A rubber footwear pressing apparatus comprising two members having opposed yieldable surfaces adapted to contact with the footwear, a conveyor adapted to carry the footwear between said surfaces, and means for driving said conveyor and said surfaces at the same speed and direction independently of the contact of the footwear with said surfaces, a slipping driving connection between said driving means and said yieldable surfaces, a roller mounted in advance of said surfaces adapted to contact with the heel of the footwear as its toe passes between said surfaces and a roller mounted in rear of said surfaces adapted to compact the sole portion of the footwear.

2,042,949
TIRE COVER CONSTRUCTION
George Albert Lyon, Allenhurst, N. J., assignor to Lyon Incorporated, Asbury Park, N. J., a corporation of Delaware
Application March 2, 1931, Serial No. 519,339
12 Claims. (Cl. 224—29)



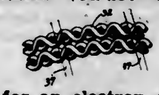
1. A tire cover construction for application to a tire supported in a fender well, comprising, in combination, a side cover section for covering one side of the tire, a push-down rod and a cover section arranged to overlap the first section and extend about a portion of the periphery of the tire the second section being mounted on said push-down rod for holding the first section and tire in position in the fender well, and means for moving the latter section along said rod.

2,042,950
RADIO TUBE BASE
William Makenny, Mountain View, N. J., assignor to Westinghouse Lamp Company, a corporation of Pennsylvania
Application May 16, 1933, Serial No. 671,302
5 Claims. (Cl. 250—27.5)



2. A base for a vacuum tube comprising an insulating tubular body, notches in spaced relation around one end of said body, contact members so proportioned as to occupy said notches with the sides of said contacts flush with the outer surface of said body.

2,042,951
ELECTRON DISCHARGE DEVICE
John Wesley Marden, East Orange, N. J., assignor to Westinghouse Lamp Company, a corporation of Pennsylvania
Application April 5, 1930, Serial No. 441,997
3 Claims. (Cl. 250—27.5)



1. An anode for an electron discharge device comprising a tubular element the wall thereof comprising a plurality of layers of mesh material.

2,042,952
SULPHONATED PRODUCTS AND PROCESS OF PRODUCING THEM
Ernst Alfred Mauersberger, Maarssen, near Utrecht, Netherlands, assignor to The Richards Chemical Works, Jersey City, N. J., a corporation of New Jersey
No Drawing. Application August 7, 1933, Serial No. 684,118. In Germany November 2, 1932
22 Claims. (Cl. 260—159)

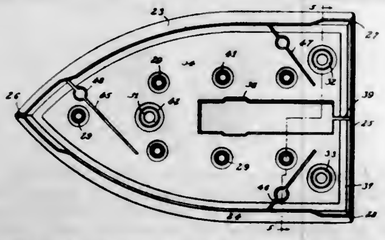
1. As a new composition of matter, the sulphonation product of a boric acid ester of an aliphatic alcohol having at least eight carbon atoms in the molecule.

9. The herein described process of producing sulphonation products, which process comprises treating an aliphatic alcohol containing at least eight carbon atoms in the molecule with boric acid to form a boric acid ester of said alcohol, and sulphonating said ester.

2,042,953
METHOD OF MAKING SOLE PLATES FOR SADIRONS
Michael W. McArdle and John W. Lynch, Chicago, Ill., assignors to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Original application February 9, 1933, Serial No. 655,932, now Patent No. 1,995,035, dated March 19, 1935. Divided and this application August 12, 1933, Serial No. 684,879
12 Claims. (Cl. 76—101)

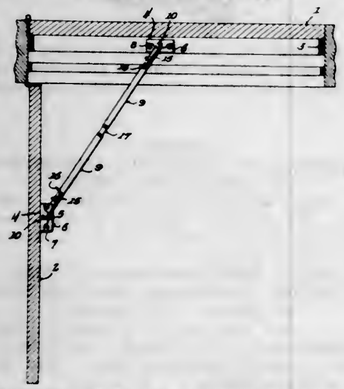
1. The method of making sadiron sole plates comprising forming a sheet metal shell having a peripheral flange defining a bottom and upstanding sides and corners, securing a plurality of

bosses to the bottom of said shell, inserting a cast metal body in said shell having openings for the reception of said bosses, partially crimping the sides of said shell against the sides of said body, forming the corner portions of said shell



against the corners of said body, forming the entire edge of the shell against the body, thereafter heating the article to bring about expansion adjustments between the parts, and inserting screws through said body into said bosses to hold said shell against the bottom of said body.

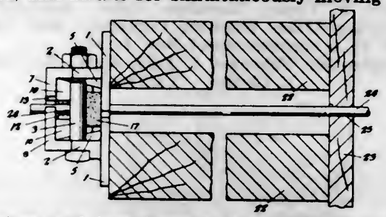
2,042,954
DOOR CHECK
Emil E. Memmel, Milwaukee, Wis.
Application June 3, 1935, Serial No. 24,669
4 Claims. (Cl. 16—80)



1. A device of the class described comprising a pair of brackets for attachment to a door and jamb respectively, an arm pivotally carried by each bracket, said arms having their outer ends operatively joined, and a spring urging each arm towards door-closed position, said springs having laterally projecting extended portions sprung upwardly beyond the normal position of said arms and bearing upwardly against said arms and holding said arms against sagging.

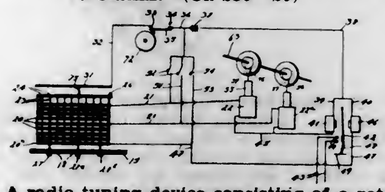
2,042,955
CLAMP FOR CONCRETE FORM WORK
Eric Percival Muntz, Hamilton, Ontario, Canada
Application April 25, 1935, Serial No. 18,143
13 Claims. (Cl. 24—136)

1. A rod clamp for abutting wales and the like comprising a plurality of jaw housings moveable towards one another, a wedge-shaped jaw slidably contained in each housing, a rubber cushion bearing against the ends of the jaws and tending to slide and move them apart, wale engaging back plates against which the rubber cushion bears, and means for simultaneously moving the



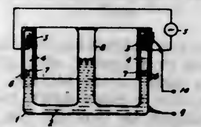
housings and jaws towards one another into the clamping position.

2,042,956
RADIO TUNING DEVICE
Nels Nelson, Upper Darby, Pa.
Application February 24, 1930, Serial No. 430,926
7 Claims. (Cl. 250—20)



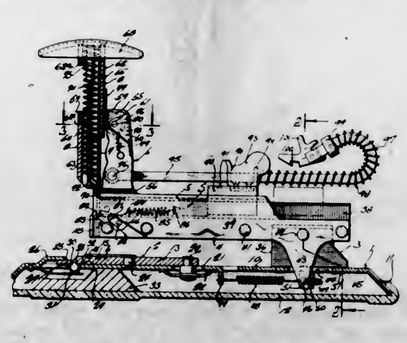
1. A radio tuning device consisting of a rotary contact member, means providing a plurality of annularly arranged contact lugs concentric with said rotary contact member, said lugs being insulated from each other, means normally acting to continuously rotate said rotary contact member in one direction, a collector ring concentric with the rotary contact member, said contact member being constantly in engagement with said collector ring, a switch, means operated by the means for rotating the rotary contact member to periodically close said switch, station selector rings, tuning elements for actuating the tuning shaft of a radio receiving set to tune said receiving set to different broadcast wave lengths, solenoids for operating said tuning elements, each of said solenoids being electrically connected with a separate station selector ring, and means for electrically bridging a selected contact lug with a selected station selector ring and thereby to tune the radio receiving set to a predetermined broadcast wave length at a predetermined time.

2,042,957
VARIABLE CONDENSER
Mendel Osnos, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application June 17, 1932, Serial No. 617,762
In Germany June 29, 1931
9 Claims. (Cl. 175—41.5)



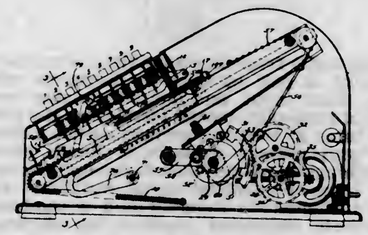
1. A variable condenser comprising a double-walled vessel the walls of which define an annular space, a liquid within said vessel, a heater winding within the walls of said vessel, but not in electrical contact with said liquid, a source of energy for said winding, a pair of terminals for said condenser associated with the walls of said vessel whereby a rise or fall of said liquid varies the capacity between said terminals.

2,042,958
STAPLING MACHINE
William G. Pankonin, Chicago, Ill.
Application December 12, 1932, Serial No. 646,847
41 Claims. (Cl. 1—3)



1. A stapling device comprising a base, an anvil thereon, an arm mounted on said base and having means providing a magazine for staples, a housing carried by said arm, a staple driving tool slidable in said housing, a plunger disposed forwardly in said housing, said tool having a portion enclosed by said plunger and connected thereto and a spring in said plunger disposed forwardly of said driving tool for urging said plunger and driving tool to elevated position.

2,042,959
CHECK WRITER
Edgar Ellsworth Phinney, West Orange, N. J., assignor to Defiance Manufacturing Corporation, Orange, N. J., a corporation of New York
Application August 24, 1935, Serial No. 37,648
7 Claims. (Cl. 101—93)



1. In a checkwriter, the combination with a row of depressible digit keys, of a type bar extending beneath said keys and provided with two projections each adapted to contact with any depressed one of a series of keys of said row, said projections being so spaced as to register alternately with keys of the one and the other series as said slide moves from one extreme adjusted position to the other, a row of digit type spaced on said bar at intervals of half the extent of the intervals between the digit keys, and means for moving said type bar into contact with a depressed key.

2,042,960
HARD RUBBER DUST
Francis Norman Pickett, Westminster, London, England, assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application October 10, 1935, Serial No. 44,393. In Great Britain August 23, 1934
6 Claims. (Cl. 18—53)

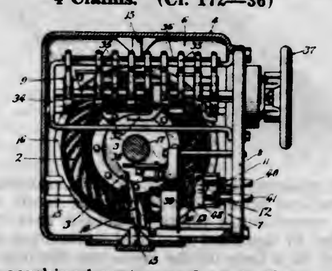
1. A method of manufacturing hard rubber dust consisting in spray drying an aqueous dispersion of rubber containing sufficient vulcanizing agents to produce a hard rubber vulcanizate, curing the sprayed product to hard rubber while avoiding subjecting it to any mechanical pressure, and reducing the cured rubber to dust.

2,042,961
TIE RETAINER
Lucien E. Picolet, Philadelphia, Pa.
Application October 2, 1934, Serial No. 746,493
5 Claims. (Cl. 24—56)



1. A one-piece necktie retainer comprising a sheet of flat material having an elongated opening through the sheet narrower at the top than at the bottom adapted to pass the head of a collar button, the bottom portion being adapted to pass the end of the collar button and the top portion of the opening being adapted to fit the shank of the collar button, the sheet having upper flat bearing points laterally extending on either side of said opening to receive and support the neck band portion of a necktie whose tied portion is in front of said opening and free from permanent attachment to the retainer whereby the knot is supported and the tie retainer is positioned.

2,042,962
COMBINED ELECTRIC MOTOR AND CONTROLLER
Frank J. Rathbun and Ralph J. Owen, Milwaukee, Wis., assignors to The Louis Allis Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 21, 1933, Serial No. 681,450
4 Claims. (Cl. 172—36)



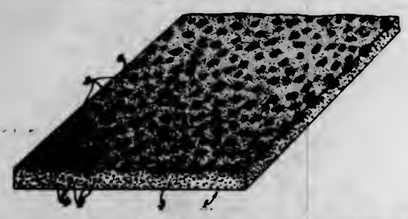
1. A combined motor and controller, comprising a unitary casing provided with a lateral entrance having a removable cover, a motor arranged within said casing and having its shaft bearing in the ends thereof, and a controller provided with a drum starting switch arranged within said casing above said motor shaft and carried by said cover and having its shaft transverse to said motor shaft and with an electromagnetic main switch arranged within said casing below said motor shaft and carried by said cover.

2,042,963
ULTRAVIOLET LAMP
Harvey C. Rentschler and John W. Marden, East Orange, N. J., assignors to Westinghouse Lamp Company, a corporation of Pennsylvania
Application October 15, 1930, Serial No. 488,774
3 Claims. (Cl. 176—1)



1. An ultraviolet lamp for operation on an electrical circuit of a given voltage, comprising a plurality of filaments connected in series and operable together at a given wattage and at a total voltage equal to said given voltage, an ionizable medium surrounding each filament to provide a glow discharge when the filament is heated to emissivity and a separate chamber for each filament whereby each filament operates to produce two sources of illumination at low voltage operation and giving a relatively high wattage lighting unit from from sputtering, said chambers having communicating apertures.

2,042,964
PREFORMED SEMIRIGID UNIT AND METHOD OF MAKING THE SAME
Harry H. Rinehart, New Market, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application November 2, 1932, Serial No. 640,748
4 Claims. (Cl. 18—60)



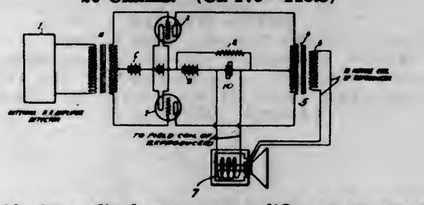
1. In making a preformed unit comprising a non-resilient binder adapted to be made readily fluent, reenforcing fibers dispersed therein, and particles of antiskid material embedded in and exposed on a face of the unit, the method which comprises forming a shaped mixture of the binder and fibers, rendering the binder therein readily fluent, impressing particles of antiskid material, predominantly in non-contacting closely spaced relationship to each other, into a surface of the shaped mixture containing the binder in readily fluent condition, subjecting the mixture and impressed particles to pressure from all directions while maintaining the spaced relationship between the said particles, and then hardening the resulting product.

2,042,965
CUTTING IMPLEMENT
Nelson J. Rivard, Milford, Conn.
Application September 18, 1934, Serial No. 744,521
8 Claims. (Cl. 164—84)



7. A cutting implement comprising a cutting blade held in a blade support, a handle secured to said blade support, a fluid reservoir within said handle, an unobstructed restricted fluid passage from said fluid reservoir through said blade support, whereby fluid is delivered from said reservoir to said blade at a rate proportional to the movement of the implement in use.

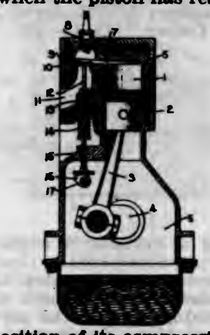
2,042,966
AUDIO FREQUENCY AMPLIFIER
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application April 2, 1931, Serial No. 527,147
20 Claims. (Cl. 179—115.5)



13. An audio frequency amplifier arrangement comprising a pair of electron discharge tubes having their input and output circuits connected in push-pull, means for biasing the grids of the tubes so that the average output current varies with average strength of input, means for obtaining an output from said output circuits in the form of amplified signal variations, and means including an inductor and a condenser conductively connected together for obtaining other energy variations from said output circuits in the form of variations corresponding to the average intensity of the signal input.

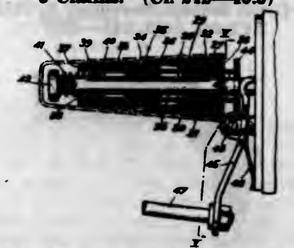
2,042,967
INTERNAL COMBUSTION ENGINE
Robert C. Russell, Dallas, Tex., assignor to Engineering Corporation, Grand Rapids, Mich., a corporation of Delaware
Application June 22, 1932, Serial No. 618,766
1 Claim. (Cl. 123—75)

In an internal combustion engine having a cylinder and a reciprocating piston, an intake valve, and means positively synchronized with the reciprocation of said piston for opening said intake valve and for holding the said valve open to a period when the piston has reached substan-



tially mid-position of its compression stroke, said valve being open to a greater degree during its first half of movement than during its second half of movement for the purpose described.

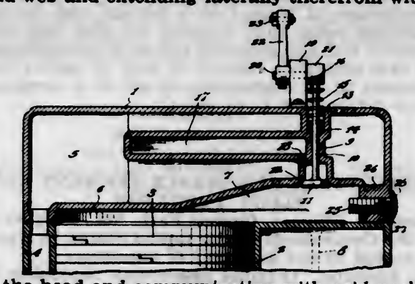
2,042,968
HOLDER FOR TUBULAR SUPPORTS FOR COILS OF STRAND MATERIALS
Walter Siegenthaler, Erlenbach, Switzerland, assignor to the firm Scharer-Nussbaumer & Co., Erlenbach, Switzerland
Application March 28, 1935, Serial No. 13,581
In Switzerland April 21, 1934
3 Claims. (Cl. 242—46.3)



1. In a holder for tubular supports for coils of strand materials, the combination with several annular retaining springs arranged in an axial row for engaging the inner surface of a tubular coil support, a rotatable driving spindle for said coil support, and separate mountings axially displaceably arranged on said driving spindle for cooperation with each of said springs, of an abutment for said tubular coil support whereby each mounting forces the correlated spring outwards into engagement with said support to retain the latter safely in position on said driving spindle by bearing on said support notwithstanding the inner diameters of the various coil supports differing.

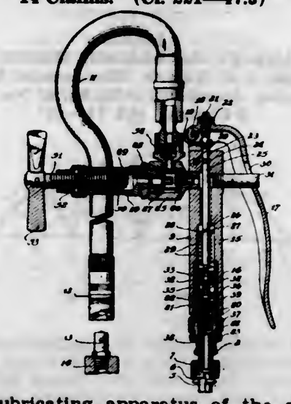
2,042,969
MEANS FOR CONTROLLING COMPRESSION IN ENGINES
James O. Snyder, Indianapolis, Ind.
Application September 5, 1933, Serial No. 688,231
1 Claim. (Cl. 123—48)

In an internal combustion engine, a cylinder head having a combustion chamber in its underside, a tubular web extending through the head and having a pocket in its lower end opening into the combustion chamber, a downwardly opening valve arranged to seat in said pocket, means for unseating the valve, and a reservoir formed in said web and extending laterally therefrom with-



in the head and communicating with said pocket through a port in the web.

2,042,970
LUBRICATING APPARATUS
George F. Thomas, Riverside, and Joseph Bystricky, Chicago, Ill., assignors, by mesne assignments, to Stewart-Warner Corporation, Chicago, Ill., a corporation of Virginia
Application June 23, 1933, Serial No. 677,242
14 Claims. (Cl. 221—47.3)



1. In lubricating apparatus of the class described, control mechanism comprising a measuring chamber having an inlet and an outlet, a discharge conduit communicating with said outlet, a valve normally closed to cut off communication between said chamber and said discharge conduit, a supply conduit communicating with said inlet, a normally closed valve at said inlet, said valve having a restricted opening therein to provide limited communication between said supply conduit and said measuring chamber and being openable to provide free communication between said supply conduit and said measuring chamber, and manual means for selectively opening one or both of said valves.

2,042,971
METHOD OF MAKING ELECTRICAL RESISTANCE ELEMENTS AND ALLOYS THEREFOR
James L. Thomas, Garrett Park, Md., assignor to the Government of the United States, represented by the Secretary of Commerce
No Drawing. Application November 22, 1934, Serial No. 754,310
1 Claim. (Cl. 201—76)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

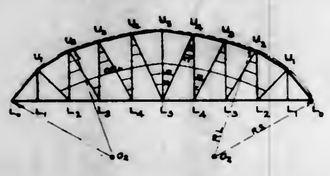
The method of making an electrical resistance

element which includes the steps of combining gold and chromium, the chromium being in the percentage of from 1 to 5 percent and the remainder being gold, forming the wire into wire strands and adjusting the temperature coefficient of said resistance element to zero by baking said element in an atmosphere of air at a temperature of from 100° C. to 500° C.

2,042,972
ELECTRICAL RESISTANCE ELEMENT AND ALLOY THEREFOR
James L. Thomas, Garrett Park, Md., assignor to the Government of the United States, as represented by the Secretary of Commerce
No Drawing. Original application November 22, 1934, Serial No. 754,310. Divided and this application November 18, 1935, Serial No. 50,378
3 Claims. (Cl. 201—76)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. An electrical resistance element composed of an alloy comprised of gold and chromium, the chromium being in the percentage of from one to five percent and the gold constituting the remainder of the element.

2,042,973
MAKE-UP OF BRIDGE MEMBERS
Claude A. P. Turner, Minneapolis, Minn.
Application August 5, 1933, Serial No. 683,913
8 Claims. (Cl. 14—13)

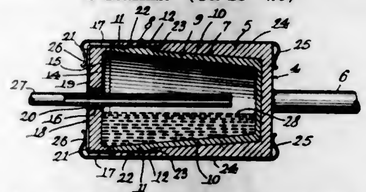


1. In a railroad trestle with supporting columns the combination of equal interior spans, stringers mechanically continuous with flange sections increased over the supporting columns, said stringers being spliced at the points of inflection in double panel lengths, bents including a central braced bent attachment between the stringers and the central braced bent, and a sliding expansion connection over bents between the center and the end.

2,042,974
MEANS FOR KEEPING CUT FLOWERS FRESH
Johannes Weisflog, Ludwigshafen-on-the-Rhine, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application January 17, 1935, Serial No. 2,225. In Germany January 24, 1934
10 Claims. (Cl. 47—1)

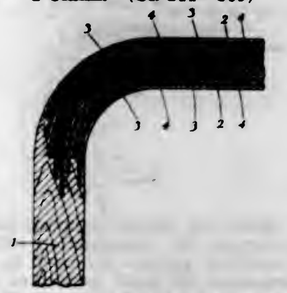
1. A composition of matter suitable for keeping cut flowers and the like fresh when added to the water in which the flowers etc. are kept, consisting of a combination of substances compatible with the flowers, etc. of which at least one is a nutrient and at least one is a substance preventing putrefaction or eliminating its effects, said second mentioned substance being an organic nitrogen compound wherein at least one aliphatic hydrocarbon radicle containing at least 4 carbon atoms is attached to nitrogen.

2,042,975
METHOD OF AND MACHINE FOR MAKING CONTAINERS
George E. West, Washington, D. C.
Application January 2, 1932, Serial No. 584,484
2 Claims. (Cl. 18—26)



1. A method of forming a container out of liquid, which comprises partially closing the open end of a horizontal, cup-like core, to retain the liquid at a predetermined height in the core, and to leave an axial opening in the partially closed end of the core, above the liquid, rotating the core at such speed that the liquid will coat the inside of the core including the partially closed end thereof, without filming across and closing the opening, admitting air through the opening, and simultaneously conducting away, through the opening, from an intake point remote from the opening, the vapors created by the evaporation of the liquid.

2,042,976
PROCESS OF BENDING WOOD
Alvar Aalto, Helsinki, Finland
Application November 8, 1934, Serial No. 752,170
In Great Britain November 8, 1933
1 Claim. (Cl. 144—309)



A process of forming bent articles of wood, consisting in slotting a portion of a piece of solid wood longitudinally from an end to form separate layers, interleaving said layers with thin strips, placing adhesive between said strips and said layers, bending the composite structure thus formed in a plane approximately perpendicular to the planes of said layers and holding it until said adhesive has set sufficiently to maintain the bend.

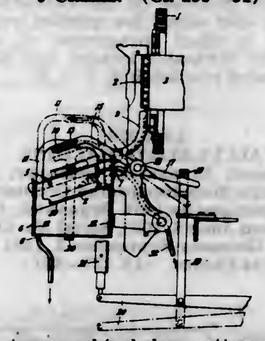
2,042,977
COLLAPSIBLE BASKET
Roy B. Ahlmark and Fred W. Young, Oklahoma City, Okla., assignors, by direct and mesne assignments, of forty-five per cent to Herbert S. Miller, forty-five per cent to said Ahlmark, and ten per cent to Earl McMahan, all of Oklahoma City, Okla.
Application July 30, 1935, Serial No. 33,909
11 Claims. (Cl. 150—49)

1. A folding basket comprising a rigid handle, bottom boards foldable with respect to the handle, diagonal brace members movably mounted adjacent the handle, and a fabric body for the basket including a bottom, side walls and end
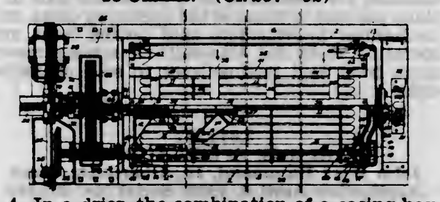


walls, the upper ends of the diagonal braces being carried by the upper edges of the end walls of the fabric body.

2,042,978
TYPOGRAPHICAL SLUG CASTING MACHINE
Christian Augustus Albrecht, Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y., a company of New York
Application September 15, 1934, Serial No. 744,193
In Germany September 15, 1933
9 Claims. (Cl. 199—61)



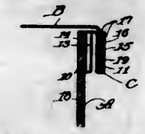
1. In a typographical slug casting machine, the combination of a mold in which a slug is cast, means for ejecting the slug from the mold, a galley to which the cast slug is delivered after ejection, a receptacle adjacent the entrance end of the slug galley in which each slug is received and cooled on ejection, and means operable to transfer each cooled slug from the said receptacle to the galley.

2,042,979
DRIER
Orlin S. Anderson, Cleveland, and Raymond Tuttle Anderson, Berea, Ohio, assignors to The V. D. Anderson Company, Cleveland, Ohio, a corporation of Ohio
Application April 18, 1934, Serial No. 721,226
33 Claims. (Cl. 257—92)



4. In a drier, the combination of a casing having a feed opening at one end and a discharge at the other; a drum mounted for rotation therein and comprising opposite heads and a shell connecting the same, said shell having openings for the passage of material into and out of the same; a cage of heating pipes extending through the drum and supported by the heads; at least one scraper mounted upon said pipes; means for moving the same along the pipes; and an annular wedge-shaped element extending into the drum from at least one of said heads.

2,042,980
DISPLAY CARTON
Peter J. Bernard, Chicago, Ill.
Application July 18, 1934, Serial No. 735,893
9 Claims. (Cl. 206—44)



1. In combination, a device of the character set forth comprising: a body; a transparent cover; and a strip of tape secured to said body, said tape being gummed on but one side and folded so as to enclose and adhesively grip both faces of the marginal edge portions of said cover.

2,042,981
COVER CROP CUTTER
Lewis Bishop, Arcadia, Fla.
Application March 15, 1935, Serial No. 11,354
2 Claims. (Cl. 97—52)



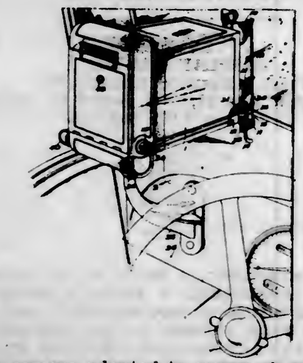
1. A cover-crop cutter comprising a frame, and a cutting rotor journaled on the frame and constituting the sole soil-engaging support for the frame, the rotor comprising spaced disks and angle bars having circumferential flanges and outstanding flanges, the circumferential flanges being secured to the disks, and the outstanding flanges carrying saw-tooth cover crop cutters, the cover crop cutters being located in the angles formed by the circumferential and the outstanding flanges and being separate from the angle bars, the cutters having their lateral edges in abutment, and securing devices connecting the cutters with the outstanding flanges, the cutters abutting at their inner ends against the circumferential flanges.

2,042,982
THERMOMETER
Lee F. Chaney, Springfield, Ohio, assignor of one-half to John L. Chaney, Springfield, Ohio
Application August 27, 1934, Serial No. 741,611
2 Claims. (Cl. 73—52)



2. In a device of the character described, a back, a thermometer tube, and a clip for securing said tube to said back, said clip having a central preformed V-shaped portion to embrace the tube, side legs having their inner ends bent to clinch the clip to said back, and resilient portions connecting the central V-shaped portion with said legs, said resilient portions lying on the forward side of said back.

2,042,983
CAMERA
Harry C. Fairchild, Elizabethton, Tenn.
Application November 20, 1935, Serial No. 50,783
10 Claims. (Cl. 95—18)



1. A camera adapted to expose simultaneously plural areas of a single sensitized surface including means mounting a single sensitized sheet, a plurality of lens means of differing characteristics focused on different areas of said sheet, one of said lens means being adapted to project the image of a relatively broad field and another being adapted to project the image of part only of said field, a shutter for each lens means, means for simultaneously operating each shutter, and means for moving the single sensitized sheet to bring succeeding plural areas thereof within the focus of the several lens means respectively after each simultaneous shutter operation.

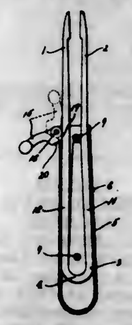
2,042,984
POCKET BALL GAME
Jacob S. Fritz, Zanesville, Ohio
Application August 16, 1935, Serial No. 36,581
3 Claims. (Cl. 273—96)



1. The combination with a paddle having an aperture therethrough, of an open frame hinged to the paddle and movable to a position to encircle the aperture, means for frictionally holding the frame in any of a plurality of adjusted positions, and a basket carried by said open frame.

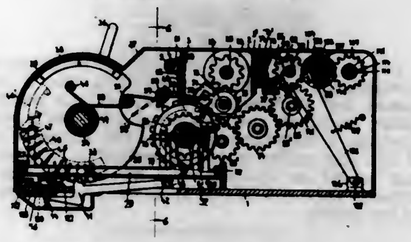
2,042,985
TWEEZERS
Albert B. Gardella, Cleveland, Ohio
Application August 22, 1934, Serial No. 740,909
2 Claims. (Cl. 128—354)

1. The herein described tweezers, comprising a pair of jaw portions each having a body part and a jaw part, said jaw parts being in normally separated relationship, an enclosing casing for said body parts, said casing being provided with means for preventing lateral movement of one of said jaw portions relative to said casing, and a



lever pivotally mounted on said casing for laterally moving said other jaw portion relative to said casing to effect engagement of said jaw parts and for releasably locking said jaw parts in such engaged relationship.

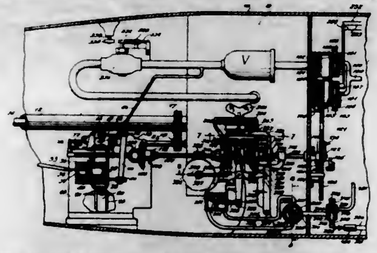
2,042,986
CALCULATING MACHINE
Richard Haase, Brunswick, Germany, assignor to Brunsviga-Maschinenwerke Grimme, Natalis & Co., Aktiengesellschaft, Brunswick, Germany
Application June 8, 1932, Serial No. 616,134
In Germany September 3, 1931
14 Claims. (Cl. 235—61)



1. In a calculating machine having registering mechanism and calculating mechanism comprising a pair of operating disks adapted to be shifted in axial direction into position for cooperation with an element of the registering mechanism, the combination of a setting lever provided at its sides with setting members, said lever being mounted for oscillation on a horizontal axis in a plane parallel to those of the operating disks, and mechanism intermediate said setting lever and operating disks for transmitting setting movement from said setting lever to said operating disks.

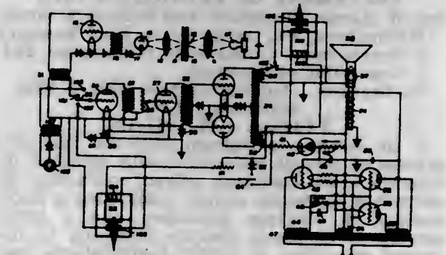
2,042,987
VARIABLE SPEED TORPEDO
John Hays Hammond, Jr., Gloucester, Mass.
Application April 6, 1929, Serial No. 353,005
Renewed April 9, 1932
26 Claims. (Cl. 114—21)

18. In a vehicle, a vehicle body, a driving device on said body for driving said vehicle at an initial speed, means for changing said initial speed to a modified speed, an interval-measuring device on said body, means controlled by said interval-measuring device for changing said modified speed to a different speed, and means for causing said



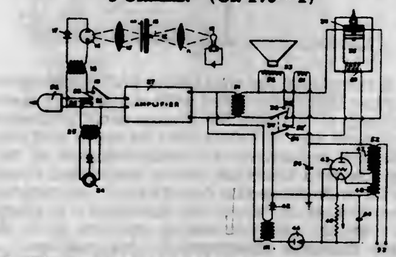
interval-measuring device to operate for but a single interval, whereby to manoeuvre said vehicle.

2,042,988
DYNAMIC MULTIPLIER
John Hays Hammond, Jr., Gloucester, Mass.
Application February 15, 1933, Serial No. 656,814
11 Claims. (Cl. 179—100.1)



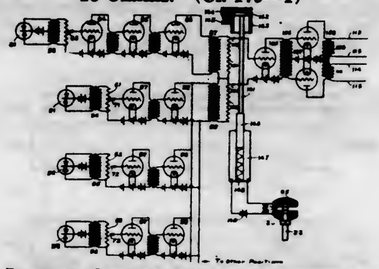
1. In a sound translating system, means responsive to sound energy, amplifying means adapted to amplify said sound energy, a sound reproducing device, a sound recording device, means to actuate either of said devices in accordance with the instantaneous value of said amplified energy and means to modify the actuation thereof in accordance with the average value of said energy over a predetermined time interval.

2,042,989
AUDIO FREQUENCY LIMITING DEVICE
John Hays Hammond, Jr., Gloucester, Mass.
Application March 6, 1933, Serial No. 659,665
9 Claims. (Cl. 179—1)



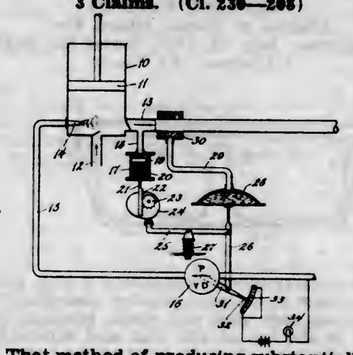
1. The method of operating an electro-dynamic sound reproducing or recording device having a variable magnetic field and exciting means therefor which comprises utilizing an increase in average input sound energy above a predetermined minimum to decrease the field excitation whereby the response of said device is prevented from exceeding a predetermined value.

2,042,990
SOUND SYSTEM
John Hays Hammond, Jr., Gloucester, Mass.
Application December 23, 1933, Serial No. 703,825
16 Claims. (Cl. 179—1)



1. In an archestral pick-up system, means for picking up sound from different parts of an orchestra in variable proportions, control means for varying said proportions, a surface marked out to simulate the space relationship of the parts of said orchestra and an indicator moved by said control means over said surface to give by its position a visual indication of the relative proportions for which said control means is set.

2,042,991
METHOD OF AND APPARATUS FOR PRODUCING VAPOR SATURATION
James C. Harris, Jr., Baltimore, Md.
Application November 26, 1934, Serial No. 754,920
3 Claims. (Cl. 230—208)

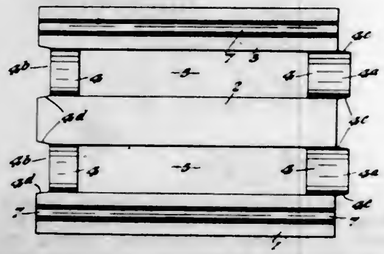


1. That method of producing substantially constant saturation of a vapor in a compression chamber under varying compression pressures which comprises injecting saturating liquid at a temperature above the temperature due to final compression pressure into the vapor while it is undergoing compression and controlling the injection automatically in response to both the temperature and pressure of the vapor immediately after it leaves the compressor, throughout the range of temperatures and pressures for a saturated condition of the discharging vapor.

2,042,992
CAVITY BRICK
James Joseph Hine, London, and Walter Angelo Fox-Strangways, Belmont, South Brent, England, assignors to The "Double-H" Brick Company Limited, London, England
Application November 21, 1934, Serial No. 754,094
In Great Britain November 23, 1933
2 Claims. (Cl. 72—41)

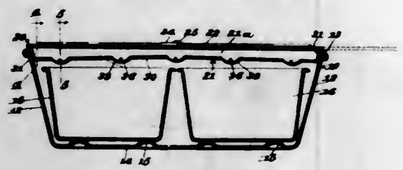
1. The hereinbefore described cavity brick comprising essentially a brick moulded in the

form of three parallel spaced longitudinal stretcher parts connected and spaced by two pairs only of intermediate integral webs located near the ends of the brick to provide two parallel cavities extending along nearly the full length of the brick, all of said webs being recessed at their upper and lower edges in the longitudinal direction of the brick, said webs projecting



beyond one end of the brick and being stepped or spaced inwardly from the other end of the brick to provide recesses and projections for interlocking adjacent bricks, the projecting webs having tapered front or free ends and the ends of the said three longitudinal or stretcher parts being tapered where they extend beyond the inwardly spaced webs.

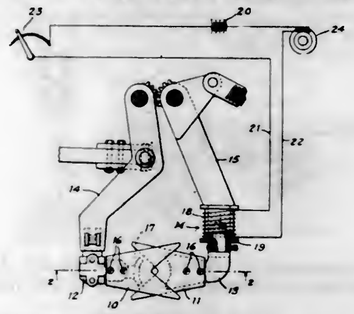
2,042,993
CULINARY UTENSIL
Charles W. Hopes, Miami, Fla.
Application July 11, 1935, Serial No. 30,904
5 Claims. (Cl. 53—6)



1. A culinary utensil comprising a tray, a cover for the tray including a shallow pan-like member having side and end walls adapted to be nested in the top of the tray and substantially sealing the tray, the side walls of the cover having U-shaped flanges, a lid slidably mounted in the flange and forming a top closure for the cover, the bottom of the cover having spaced grooves to collect and drain away moisture from the interior of the cover, the walls of the cover at the ends of the groove having openings to permit liquid to be discharged from the cover against the adjacent walls of the tray, said bottom of the cover being inclined downwardly in opposite directions from a medial line.

2,042,994
SHEAR MECHANISM AND METHOD OF CAUSING SLIDING CONTACT OF THE BLADES THEREOF
William T. Honiss, West Hartford, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application March 2, 1935, Serial No. 9,059
9 Claims. (Cl. 49—14)

1. The combination with a pair of overlapping shear blades mounted for opening and closing movements and made of magnetic material, of means for causing magnetic attraction between

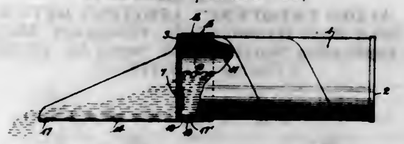


the cutting edge portions of such shear blades during the closing movements thereof.

2,042,995
TREATMENT OF PETROLEUM OILS
Eric B. Hjerpe, Pittsburgh, and William A. Gruse, Wilkinsburg, Pa., assignors to Gulf Research & Development Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 2, 1934, Serial No. 751,261
5 Claims. (Cl. 196—13)

1. In refining petroleum oils the improved process of solvent extracting with ethylene dichloride which comprises solvent extracting the oil with a composite solvent comprising a major amount of ethylene dichloride and a minor amount of methanol, thereby obtaining an improved extraction at higher temperatures than are permissible with ethylene dichloride alone.

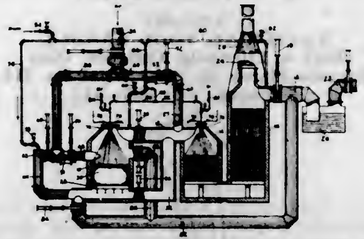
2,042,996
OIL PACKAGE
Robert John, New York, N. Y., assignor to International Patents, Ltd., Dover, Del., a corporation of Delaware
Original application January 24, 1933, Serial No. 653,340. Divided and this application June 19, 1933, Serial No. 676,581
24 Claims. (Cl. 206—56)



1. A receptacle for containing and shipping oils and other liquids provided with a discharge opening closed by a frangible grease-proof transparent window and of substantial strength and constituting a portion of the wall structure of said receptacle and marking means associated therewith for indicating the quantity of the contents of the receptacle when the receptacle is placed in a substantially horizontal position with the window disposed uppermost in this position.

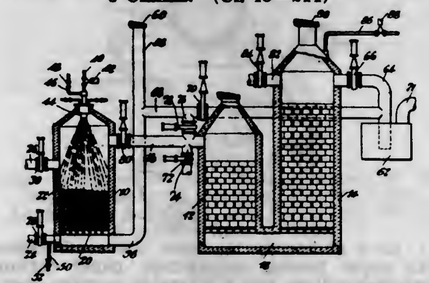
22. A container for holding and dispensing liquids, comprising in combination, a liquid-proof fibre body having liquid-proof ends and a sealed pouring opening in a said end and a label encircling said body and adapted to be slid into pouring position to function as a spout to receive the liquid from said opening when said seal is broken.

2,042,997
OIL GASIFICATION PROCESS
Alfred Johnson, West New Brighton, N. Y., assignor to Combustion Utilities Corporation, New York, N. Y., a corporation of Maine
Application September 5, 1931, Serial No. 561,354
7 Claims. (Cl. 48—214)



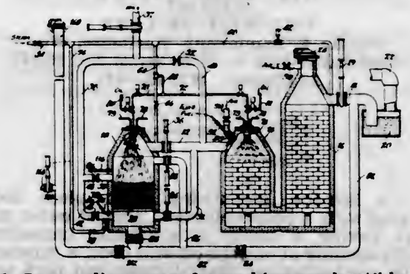
1. In a cyclic process for making combustible gas wherein during a gas making period hydrocarbons are cracked by passing the same through a relatively deep carbon filtering bed of highly heated ceramic pieces, with resultant production of hydrocarbon gas and deposition of carbon on the surfaces of the ceramic pieces which carbon is burned during a subsequent air blast period, the step of successively blasting air vertically in both directions through the bed between make periods, a first portion of air being blasted in one direction in controlled amount approximately sufficient to consume the carbon in the zone of the bed first contacted by the air, and a second portion of air being blasted through the bed in the opposite direction in amount sufficient to consume at least a major portion of the carbon remaining therein, thus rapidly heating the bed throughout its full depth to a high gas making temperature.

2,042,998
OIL GASIFICATION PROCESS
Alfred Johnson, West New Brighton, N. Y., assignor to Combustion Utilities Corporation, New York, N. Y., a corporation of Maine
Application January 16, 1932, Serial No. 587,009
3 Claims. (Cl. 48—214)



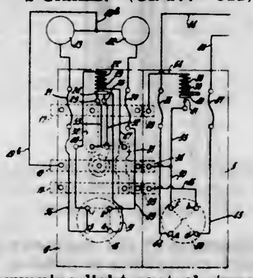
3. In a cyclic process for making combustible gas wherein during the gas make period hydrocarbons are cracked, and carbon produced during cracking is separated from the gas by passing the latter through a carbon filtering bed of highly heated refractory pieces, with resultant deposition of carbon on the surface of the refractory, which carbon is burned during a subsequent blast period, the steps of blasting preheated combustion supporting gas vertically and successively in one direction through the refractory bed and then in the opposite direction through the bed between make periods, adjusting the amount of combustion supporting gas passed through the bed substantially in accordance with the amount of carbon held thereby, burning a portion of the blast gases thus produced, storing the heat thus developed, and utilizing heat thus stored to preheat the combustion-supporting gas passed through the bed during a subsequent blast period.

2,042,999
OIL GASIFICATION PROCESS
Alfred Johnson, West New Brighton, N. Y., assignor to Combustion Utilities Corporation, New York, N. Y., a corporation of Maine
Application August 24, 1932, Serial No. 630,176
In Canada August 16, 1932
2 Claims. (Cl. 48—214)



1. In a cyclic process for making combustible gas wherein during a gas make period hydrocarbons are cracked by passing the same through a relatively deep carbon filtering screen of highly heated uniformly sized small ceramic pieces with resultant production of hydrocarbon gas and deposition of carbon on the surfaces of the ceramic which carbon is burned during a subsequent air blast period, the step of blasting air successively upwardly and downwardly through the ceramic screen during the air blast period in amounts controlled to burn the carbon and heat the ceramic to high gas-making temperatures with the production of blast gases, burning the hot blast gases after admixture of secondary air therewith, insuring ignition of the air-blast gas mixture and supplementing the heat developed thereby by controlled combustion of a readily combustible fluid fuel supplied from an independent source to a point in the path of the mixture, storing the heat thus developed during the blast cycle, and utilizing the thus stored heat in vaporizing oil to carburet the gases produced during the make cycle.

2,043,000
SIGNAL CONTROL APPARATUS
Morris F. Ketay, Brooklyn, N. Y., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application July 9, 1932, Serial No. 621,709
2 Claims. (Cl. 177—311)



1. In a running light control circuit containing two lamps either of which may be lighted at

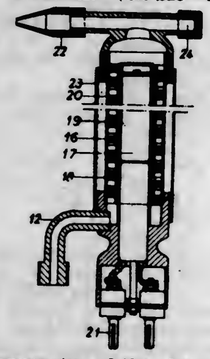
will and upon a failure thereof an automatic warning signal rendered, a switch having four contacts with means for bridging any three contacts at a time, one of said contacts being connected to a source of electrical energy through a relay coil, another two of said contacts being connected to one side of each of a pair of lamps, said lamps being connected together on their other side and to the source of energy, and the fourth contact being connected in a circuit including an indicator to the common connection between said lamps, said circuit being normally broken by energization of said relay coil.

2,043,001
FISH BAIT OR LURE
Gustav A. Lambrecht, Marinette, Wis.
Application July 6, 1935, Serial No. 30,141
10 Claims. (Cl. 43—42)



1. A fish-lure comprising a one-piece body formed with a frusto-elliptical shaped outer end part having a cavity of gradually increasing depth opening at one side of said body, a substantially semi-elliptical shaped inner end part and a semi-oval shaped intermediate part of greater length and width throughout than that of the said inner end part, said intermediate part merging into and forming a forward continuation of the outer part and a rearward continuation of said inner part, said outer end part being of greater length and width throughout than that of said intermediate part, said intermediate part gradually increasing in width from said inner end part to the said outer end part, said inner end part being formed with an opening in proximity to its edge, said outer end part being formed with an opening in proximity to its edge, and said openings being intersected by the longitudinal median of said body.

2,043,002
APPARATUS FOR NEUTRALIZING NOXIOUS ORGANISMS
Wilhelm Lechler, Munich, Germany
Application February 6, 1935, Serial No. 5,296
In Switzerland July 14, 1934
4 Claims. (Cl. 219—39)



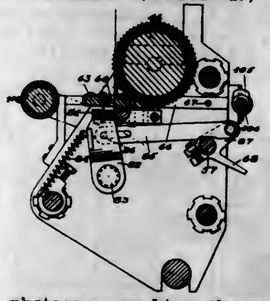
1. In an apparatus of the character described, a mixing pistol comprising a housing having a central chamber for a heating element, superposed members surrounding the chamber having rib-like projections in staggered relation, a nozzle on the upper end of the housing communicating with a chamber which surrounds the central chamber, and a steam inlet communicating with the surrounding chamber at the lower end of the housing.

2,043,003
FASTENING TOOL HANDLE
Earl A. Litchfield, Defiance, Ohio
Application March 19, 1934, Serial No. 716,298
5 Claims. (Cl. 306—41)



5. A ferrule from a flat sheet metal blank, said ferrule comprising a tapered tubular portion having a convex terminus at its lesser diameter, a transverse concave keying seat at said terminus, and a supplemental keying opening of less extent than the concave keying seat.

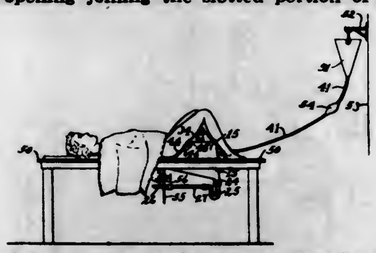
2,043,004
PHOTOCOPY MACHINE
Whitten P. Lloyd and Maxwell H. Hill, Rochester, N. Y., assignors to The Haloid Company, Rochester, N. Y., a corporation of New York
Application July 19, 1935, Serial No. 32,246
12 Claims. (Cl. 164—49)



1. In a photocopy machine, the combination with paper feeding mechanism, paper cutting instrumentalities, and a rotatable member operatively associated with the paper feed mechanism to actuate it when moved in one direction and operatively associated with the paper cutting instrumentalities to actuate the same when moved in the opposite direction.

2,043,005
COLON IRRIGATOR
Frederick A. Mayberry, Wichita, Kans.
Application December 24, 1934, Serial No. 758,909
7 Claims. (Cl. 128—224)

1. In a colon irrigating device, a housing, said housing including a forward slotted curved face portion and a rear wall portion spaced apart by side walls, an opening at the top of the housing intermediate the forward and rearward portions, said opening joining the slotted portion of the



curved face portion, and a closure plate for said opening, said closure plate being transparent to provide means of inspection of the interior of said housing.

2,043,006
DRIVING AXLE MECHANISM
Mathew B. Morgan, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application February 7, 1934, Serial No. 710,169
14 Claims. (Cl. 74—311)



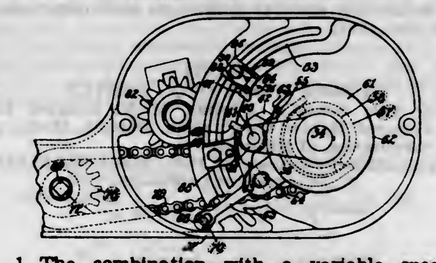
1. In a drive axle, a driving member and a driven member of generally circular shape, said driven member comprising two sections, external splines on said sections, a ring gear having internal splines adapted to be engaged by the splines of said driven member by moving said driven member sections axially toward each other, and means provided in one of said members and located adjacent said splines to receive burrs and foreign particles from said splines during the assembly operation.

2,043,007
FASTENER
Bien C. Place, Detroit, Mich., assignor of one-half to George E. Gagnier, Detroit, Mich.
Application August 28, 1930, Serial No. 478,411
6 Claims. (Cl. 24—215)



3. A metallic spring stud fastener complete in itself for securing a perforated panel to a supporting structure and capable of contraction and expansion in entering an aperture in a wall of the supporting structure, consisting of spaced head sections shaped to bear upon the panel with freedom to move toward or from each other upon contraction or expansion of said fastener, and a shank consisting of a single strip of metal of a width materially less than the diameter of said aperture and connecting said head sections and doubled to provide a pair of legs terminating in a nose to enter said aperture in said supporting structure, each of said legs being bent to provide inclined portions of a length many times the normal thickness of said supporting structure so that the fastener is adapted to hold panels to walls of varying thicknesses with a continuously effective yielding pressure, said nose providing the point of flexure when the shank contracts or expands in entering said aperture.

2,043,008
VARIABLE SPEED DRIVE AND CONTROL THEREFOR
Paul B. Reeves, Columbus, Ind., assignor to Reeves Pulley Company, Columbus, Ind., a corporation of Indiana
Application July 14, 1934, Serial No. 735,143
11 Claims. (Cl. 74—230.17)



1. The combination with a variable speed transmission having an element movable to vary the speed differential between the intake and output shafts thereof, of control means for said element comprising a shaft, means driven by said transmission for oscillating said last-named shaft, an element loosely mounted on said shaft, two clutch members loosely mounted on said shaft and engageable with said last-named element, and means for alternative association with said clutch members for selectively converting oscillatory movement of said last-named shaft into unidirectional movement of one or the other of said clutch members.

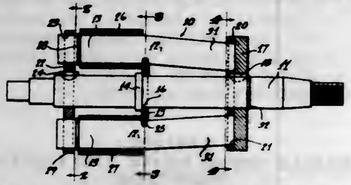
2,043,009
METHOD OF PRODUCING FERTILIZER AND CHARCOAL FROM WASTE ORGANIC MATTER
Gustave T. Reich, Anaheim, Calif.
No Drawing. Application October 26, 1925, Serial No. 65,039
5 Claims. (Cl. 71—6)

1. A method of producing charred products from aqueous solutions and suspensions of saccharide nitrogenous organic matter, which comprises retorting the organic matter at a temperature between 140° C. and 325° C. and adding further similar organic matter to the charred product, and charring said added organic matter at a temperature between 140° C. and 325° C.

2,043,010
MAGNETO ROTOR ASSEMBLY
Curt F. Reis, Beloit, Wis., assignor to Fairbanks, Morse & Company, Chicago, Ill., a corporation of Illinois
Application June 25, 1934, Serial No. 732,295
5 Claims. (Cl. 171—252)

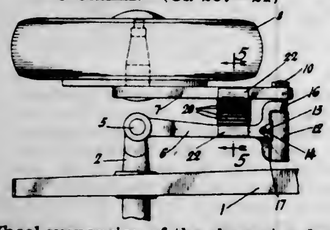
1. A magneto rotor of the permanent magnet type, including a plurality of spaced bar mag-

nets, separate plates supporting the end portions of said bar magnets, an intermediate plate bridgingly supporting the bar magnets and in interengaging relation therewith between their ends, a shaft to which the plates are secured, and pole shoes abutting the intermediate plate and con-



necting certain of the bar magnets near one end of the rotor, the bar magnets over portions of their length being in converging relation to each other and to the shaft, and having other portions by which the pole shoes are carried, disposed in substantially parallel relation to each other and to the shaft.

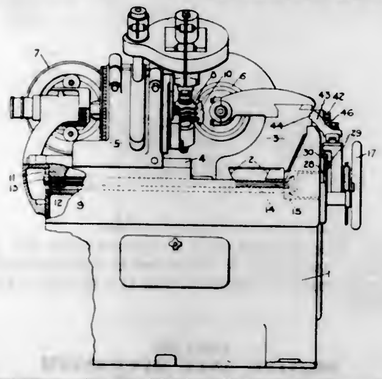
2,043,011
RUBBER SUSPENSION SYSTEM
Eric Olle Schjolin, Pontiac, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application September 3, 1935, Serial No. 38,953
5 Claims. (Cl. 267—21)



1. Wheel suspension of the character described, relatively movable supporting and supported members, a resilient load transmitting device between said members, comprising a series of metal plates arranged beside each other in spaced apart relation and a series of relatively thin rubber pads in the spaces between said plates and vulcanized thereto to afford a laminated unit and means securing the endmost plates to said members with the laminations of the unit extending in the direction of relative movement, whereby the rubber pads are placed under shearing stress.

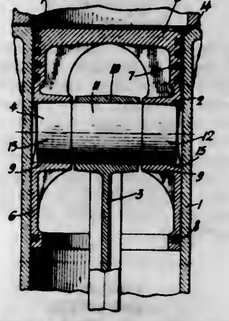
2,043,012
HOBBING MACHINE FEEDING MECHANISM
Charles H. Schurr, Cleveland, Ohio, assignor to The Lees-Bradner Company, Cleveland, Ohio, a corporation of Ohio
Application January 2, 1930, Serial No. 417,846
4 Claims. (Cl. 90—4)

1. In a hobbing machine, a work support, a work spindle on the support adapted to support a work piece, a tool support, a tool spindle on the tool support, a tool on the tool spindle, the tool and work spindles being adapted to be rotated at a relative velocity ratio suitable for hobbing and one of the supports being adapted to be moved relative to the other support to give relative lead movement to the work piece and tool, and one of the supports being adapted to be moved transversely relative to the direction of the lead movement to feed the tool relative to the work, and automatic means for effecting feed movement concurrently with lead movement, said means comprising a cam on the support which is movable to effect lead movement and movable therewith, a cam follower therefor, a push and pull bar on the



other support movable to effect feed movement, a rack associated with the bar, a gear meshed with the rack, and connections between the cam follower and the gear to turn the gear to move the bar longitudinally.

2,043,013
PISTON
Fred G. Shoemaker, Ferndale, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 16, 1934, Serial No. 730,955
6 Claims. (Cl. 309—19)

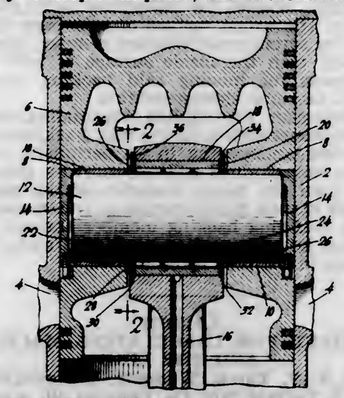


1. In a piston assembly, a piston, spaced aligned constant diameter bosses therein, a wrist pin engaging the bosses, the ends of the wrist pin being tapered, whereby misalignment of the axes of the two bosses, due to expansion of parts of the piston, may be compensated for to still give a snug joint.

2,043,014
RETAINING MEANS FOR PISTON PIN ROLLER BEARINGS
Fred G. Shoemaker, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application October 11, 1934, Serial No. 747,839
4 Claims. (Cl. 308—186)

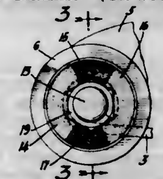
1. In a connecting rod for use in an internal combustion engine, an opening through one end, a roller bearing assembly fitted within the opening, a solid annular retainer fitted flush in each

end of the opening and abutting the bearing assembly to keep it in place, and detachable secur-



ing means removably engaging both the retainer and the rod end.

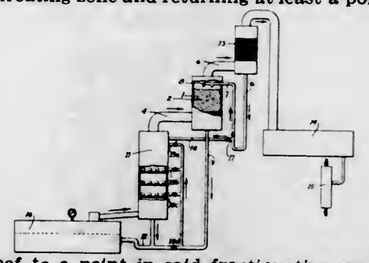
2,043,015
ANTISHIMMY AND ROAD SHOCK ABSORPTION
Leroy W. Shutts, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 23, 1934, Serial No. 732,022
8 Claims. (Cl. 267—54)



1. In combination with a vehicle frame, spring horn and a supporting spring therefor, a resilient bushing for connecting the spring and spring horn, said bushing composed of four sections of resilient material, the two sections in vertical alinement formed of material substantially harder to compress than the two sections in horizontal alinement, a metal tube surrounding the resilient sections, and fitting into a bore in the end of the horn, a small metal tube fitting in the center of the bushing, a metal bushing on the end of the spring, a shackle bolt passing through the small tube and the spring bushing to hold the two together.

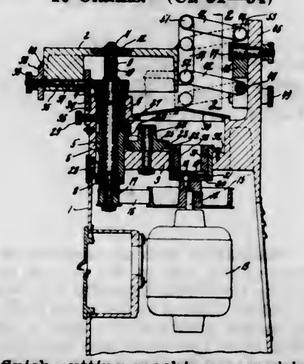
2,043,016
TREATING HYDROCARBON OILS
William M. Stratford, Port Arthur, Tex., assignor, by mesne assignments, to The Texas Company, New York, N. Y., a corporation of Delaware
Application October 23, 1925, Serial No. 64,308
3 Claims. (Cl. 196—96)

2. The process of treating cracked petroleum vapors, including vapors of constituents boiling within a gasoline boiling-point range, to remove undesirable gum-forming compounds therefrom, which comprises passing a stream of said vapors through a fractionating zone and therein progressively fractionating said vapors to obtain vapors of a desired end point, while condensing and separating higher-boiling constituents, subjecting the resultant vapors to contact with solid adsorbent catalytic material in a treating zone to effect polymerization of undesirable gum-forming constituents to products having boiling-points higher than that of the desired gasoline product, removing resultant polymer-containing oil from said treating zone and returning at least a portion



thereof to a point in said fractionating zone as reflux, removing treated vapors from said treating zone, recovering therefrom a liquid condensate containing constituents boiling within a gasoline boiling-point range, and returning at least a portion of said condensate to a later point in said fractionation zone as reflux.

2,043,017
FREEHAND GRINDING MACHINE
Everard Stubbs, Springfield, Vt.
Application June 7, 1934, Serial No. 729,420
10 Claims. (Cl. 51—34)

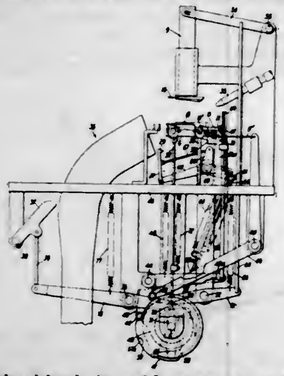


7. A finish cutting machine comprising a supporting structure, a tool spindle mounted rotatably on said supporting structure, a table having a work supporting surface in a plane intersecting the axis of said spindle, a pivot mounted on the supporting structure at one side of the work table with its axis intersecting the axis of the tool spindle, and connecting means between said pivot and the work table adjustable angularly about the axis of the pivot, whereby said work supporting surface may be set at various inclinations to the spindle axis, said connecting means being constructed to permit adjustment of the table bodily in directions perpendicular to said pivot axis.

2,043,018
METHOD AND APPARATUS FOR MANUFACTURE OF DRINKING CUPS
Francis P. Swallow, Worcester, Mass., assignor to United States Envelope Company, Worcester, Mass., a corporation of Maine
Application February 12, 1934, Serial No. 710,944
15 Claims. (Cl. 93—49)

1. In a machine for making sanitary drinking cups, in combination, a concave former having a

flat central reentrant portion and curved side recesses, means for depressing a blank into conformity with the bottom of the former, means for
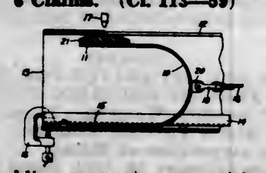


clamping the blank in said recesses, and means for folding side portions of the blank into overlapping relation against the reentrant portion of the former to unite the same.

2,043,019
UMBRELLA MIRROR
John M. Swasey, Boston, Mass.
Application December 20, 1934, Serial No. 758,480
4 Claims. (Cl. 88—92)



2. The combination with an umbrella of a mirror, a holder at the rear of the mirror, and supporting means extending laterally one from each end of the holder, means at the outer ends of said supporting means attached to a pair of umbrella ribs adjacent their free ends, and said supporting means embodying a longitudinally folding structure which automatically folds and lies in the folds of the umbrella when the umbrella is closed.

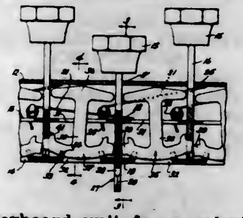
2,043,020
PIPE WELDING APPARATUS
Erwin Thiemer, Hennigsdorf, Germany, assignor to General Electric Company, a corporation of New York
Application December 12, 1933, Serial No. 702,065
In Germany December 21, 1932
6 Claims. (Cl. 113—59)



1. Pipe welding apparatus comprising a backing member adapted to engage the inside surface of a pipe progressively along a longitudinal seam at the point of welding, means for guiding said backing member through said pipe and along said seam, means for attaching said guiding means to the inside surface of said pipe, spring means for forcing said backing member into engagement with the inside surface of said pipe, and means for moving said backing member through said pipe during welding.

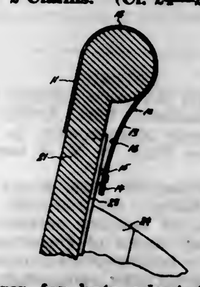
3. Apparatus for welding longitudinal seams in pipes comprising a spring ring backing member having an opening in its periphery, which member unrestrained will expand to a diameter larger than the inside diameter of the pipe in which it is used during welding, and means for moving said ring backing member through said pipe with its open portion positioned away from the seam in the pipe being welded.

2,043,021
KEYBOARD FOR CALCULATING MACHINES AND THE LIKE
Joseph A. V. Turck, Wilmette, Ill., assignor to Felt & Tarrant Mfg. Co., Chicago, Ill., a corporation of Illinois
Application June 23, 1934, Serial No. 732,077
4 Claims. (Cl. 235—26)



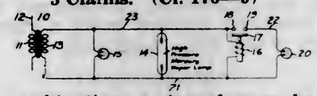
1. In a keyboard unit for a calculating machine, a keyboard assembly comprising a plurality of plates, one of said plates having a plurality of slotted guide lugs struck upwardly therefrom, a series of keys extending through and adapted for movement relative to said plates, and a series of locking devices between said keys shiftable by a depression of any key to lock all the other keys, said locking devices being supported in the slots of said lugs for arcuate sliding movement imparted thereto by the depression of one of said keys.

2,043,022
HAT HOLDER
Charles W. Twite, New York, N. Y.
Application September 9, 1935, Serial No. 39,815
2 Claims. (Cl. 24—255)



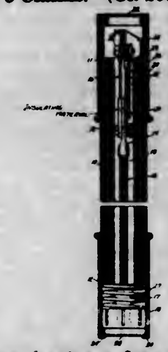
1. A hanger for hats adapted to be hooked over a supporting member comprising a spring member formed of flat thin spring stock provided with spaced arms joined by a curved bight portion, one of said arms being straight and the other of said arms being of a greater length and convexly curved towards said straight arm, and a rubber button rigidly secured to said curved arm adjacent the free end thereof and arranged in opposed relation to said straight arm.

2,043,023
CIRCUITS AND APPARATUS FOR OPERATING ELECTRIC DISCHARGE LAMPS
Willem F. Westendorp, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 23, 1935, Serial No. 7,705
5 Claims. (Cl. 176—9)



1. In combination, a transformer having a substantially constant current primary circuit, an electric discharge lamp having a variable energy demand during starting and operating periods and an incandescent filament lamp, said lamps being connected to said transformer in multiple whereby the substantially constant current available from said transformer is proportioned between said lamps.

2,043,024
FUSE
Edwin A. Williams, Springfield, Pa., assignor to General Electric Company, a corporation of New York
Application May 5, 1934, Serial No. 724,041
5 Claims. (Cl. 200—117)



5. In a fuse having a fuse element under tension, a fusible link, terminals for each end of said fusible link, insulating material surrounding said fusible link between said terminals, and a strain member for the fusible link electrically connected to one of said terminals and insulated from the other of said terminals whereby the strain member does not carry any of the current passing through the fuse element while the fusible link is intact but is severed by an arc upon the blowing of the fusible link.

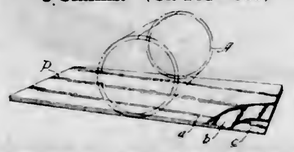
2,043,025
METHOD OF MAKING ETCHED GLASSWARE
Ronald L. Wooles, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio, a corporation of Ohio
Application July 28, 1933, Serial No. 682,658
3 Claims. (Cl. 41—42)

3. The method of etching glassware which comprises applying upon a glass article an acid resist interrupted by an area of selected design to form a silhouette, dipping said article in a bath of an acid solution comprising 2 parts of water and 1 part 80% solution of hydrofluoric acid and allowing the article to remain therein for a period



ranging from 45 to 60 minutes so as to produce a rough etched surface of different elevations, the portions toward the center of the silhouette design having the lowest elevations.

2,043,026
BARREL
Charles B. Arnold, Chicago, Ill., assignor to Seymour & Peck Co., Chicago, Ill., a corporation of Delaware
Application October 4, 1934, Serial No. 746,772
3 Claims. (Cl. 144—309)

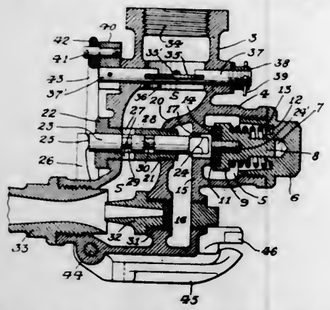


1. The method of forming a cylindrical plywood barrel shell which comprises adhering veneer sheets over every portion of their contacting surfaces with the grain of one sheet extending transversely of the grain of the sheet adhered thereto, pressing the sheets while uniting to permanently set the glue therein and insure perfect bond and flatness of the combined sheets, trimming the edges of the combined sheets to provide a plywood board of desired dimensions, and thereafter bending the board while uniformly and progressively applying heat and pressure between rollers from one trimmed edge of the plywood board to the other to redistribute and fix the fibres of the united sheets to produce a cylindrical permanently formed shell having its outer portion expanded with respect to its inner portion so that the abutting edges remain as trimmed.

2,043,027
VALVE
Herbert G. Beede, Pawtucket, R. I.
Application January 19, 1935, Serial No. 2,593
5 Claims. (Cl. 230—95)

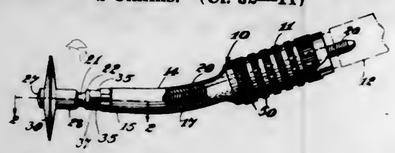
1. A fluid ejecting device comprising a casing having a suction passage therethrough adapted for connection with a source from which fluid is to be withdrawn, an injector to discharge a fluid

under pressure to create a suction through said passage, a valve controlling communication between said injector and a source of supply of said pressure fluid, an operating stem for said valve, a packless gland for said stem located directly within and across said suction passage between



the injector and source from which the first fluid is withdrawn, and means on said stem and gland permitting pressure fluid which may enter the gland to be withdrawn and discharged into the suction passage by the action of fluid drawn through said passage when said valve is open.

2,043,028
DENTAL TOOL ATTACHMENT
James H. Blair, Staten Island, N. Y., assignor to Chayes Dental Instrument Corporation, New York, N. Y., a corporation of New York
Application November 3, 1933, Serial No. 696,497
2 Claims. (Cl. 32—11)

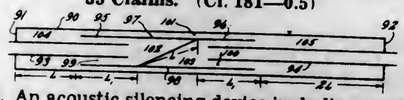


1. An attachment of the character described comprising a tapered tubular casing bent into elbow form and having one end of such size as to fit on a dental handpiece, a bearing secured to the smaller end of said casing, a drive shaft extending through said casing, said shaft being made up of a solid portion part of which forms a journal rotatably mounted in said bearing and a spring portion extending from the solid portion through said casing into position to be engaged by rotatable portions of a dental handpiece, a bent tubular sleeve within said casing for centering said spring portion, and means for securing instruments to the outer end of said journal.

2,043,029
FURNACE LINING AND MATERIAL THEREFOR
Henry H. Blau, Charleroi, Pa., and Henry N. Baumann, Jr., Niagara Falls, N. Y., assignors to The Carborundum Company, Niagara Falls, N. Y., a corporation of Pennsylvania
No Drawing. Application April 19, 1934, Serial No. 721,354
10 Claims. (Cl. 49—79)

10. A cast refractory article consisting of the product obtained upon solidification of a fusion of a mixture consisting essentially of alpha alumina and 1 to 10% of sodium oxide.

2,043,030
SOUND ATTENUATING DEVICE
Roland B. Bourne, Hartford, Conn., assignor to The Maxim Silencer Company, Hartford, Conn., a corporation of Connecticut
Application April 2, 1935, Serial No. 14,370
35 Claims. (Cl. 181—0.5)



1. An acoustic silencing device including a main sound conducting channel and a sidebranch, the main channel being reflexed at its point of coupling to the sidebranch, the reflexed channel having rectilinear coupling to the sidebranch on both sides of said point of coupling.

2,043,031
SCOURING DEVICE
Edward S. Bradford, Jr., Longmeadow, Mass., assignor to Springfield Wire & Tinsel Co., West Springfield, Mass., a corporation of Massachusetts
Application November 20, 1935, Serial No. 50,728
1 Claim. (Cl. 15—209)

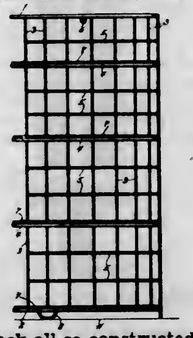


A pot cleaner comprising in combination a circular pad of bunched cleaning wire of highly resilient character, a circular disk of stiff metal mounted on top and concentrically of said pad, a knob handle mounted centrally above said disk, fastening means extending through the central portion of said pad, said disk and into said knob to hold the parts together, the meeting faces of the pad and disk and knob all being held in perfectly flat relation, said disk extending flatwise beyond the edge of the knob and then being bent into a slightly raised shelf at the outer margin, the edge of said disk being bent slightly downwardly and inwardly to about the plane of the flat engaged face of the upper side of the pad, said circular pad extending beyond the circumference of said disk, all constructed and arranged for the cleaning wire of the pad to be resiliently bunched entirely below the under plane of the disk in puffed out condition held only by the central fastening means but when pressed downwardly by the knob to be squashed out widely by the stiff flat disk, and when rubbed against the work held in circular condition by the downturned edge of the disk.

2,043,032
RACK FOR CONFECTIONS
Mearl Brasfield, St. Louis, Mo.
Application April 13, 1935, Serial No. 16,154
1 Claim. (Cl. 211—181)

A cylindrical storage rack for refrigerators having an open top, a reticulated bottom, an upstanding continuous reticulated wall fixed perpendicularly to the bottom throughout approximately two-thirds of its circumference, a plurality of spaced annular supporting hoops fixed to the inside of the wall, a plurality of spaced parallel rods fixed to the top of each of the supporting hoops to form shelves, said rods being disposed perpendicularly to a right line drawn from end to end of the wall to form ways upon

which the contents of the rack may be slid in and out, a handle rod fixed at diametrically opposite points to the wall below its upper end, and a plurality of leg members fixed to the bottom to hold the reticulated bottom spaced from the sup-



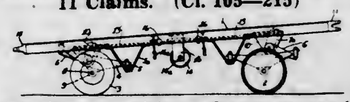
port for the rack all so constructed and arranged that the contents of the storage rack is adapted to be held spaced from the walls of the refrigerator whereby the refrigerant has unobstructed circulation from all directions around the contents of the rack.

2,043,033
UNDERGROUND ELECTRIC CABLE
Pierre Théodore Capdeville, Nogent-sur-Marne, France, assignor to Trefileries & Laminoirs du Havre, Paris, France
Application August 15, 1934, Serial No. 739,995
In France August 25, 1933
7 Claims. (Cl. 173—268)



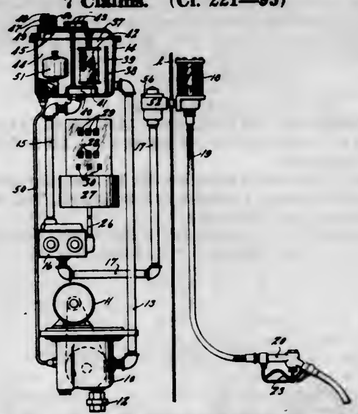
1. In a cable joint of the character described, the combination of a pair of conductors arranged end to end, each having a central fluid filled channel, means for electrically uniting the conductors and interrupting the passage of fluid from one channel to the other, said means comprising a first connector member connected to one of said conductors and a second connector member connected to the other of said conductors, a ported recess in each connector member communicating with the channel in the conductor to which said connector member is attached, a casing for enclosing the parts of the joint, a unitary tubular insulator supported at its one end by the first connector member and supported at its other end by the casing, said insulator surrounding one end of said second connector member and defining an independent chamber within the main chamber of the casing, said independent chamber communicating with the port of the recess of said second connector member, an external conduit connected to said independent chamber, a conduit of small cross-sectional area forming a helix of many turns surrounding the first connector member and communicating with the port of the recess of said first connector member and with the main chamber of the casing, a covering of insulation for both connector members and in which the helical conduit is located, and an external conduit connected to the main chamber of the casing.

2,043,034
TRAILER FOR HIGHWAY AND RAILWAY TRAVEL
William Dalton, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 8, 1933, Serial No. 701,448
11 Claims. (Cl. 105—215)



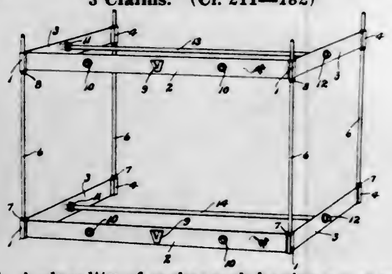
1. A trailer comprising a frame, means including railway and highway wheels each displaced longitudinally from the middle of said frame for alternatively supporting said frame, coupling means for connecting said frame to a vehicle, said coupling means being at the end of said frame remote from the wheels supporting said frame, said coupling means supporting said frame on said vehicle.

2,043,035
LIQUID DISPENSING APPARATUS
Warren H. De Lancey, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application February 26, 1935, Serial No. 8,226
7 Claims. (Cl. 221—95)



1. In liquid dispensing apparatus, a delivery conduit including a flexible hose, a nozzle on the delivery end of the hose, a valve in the nozzle automatically movable into position to close the nozzle, means for forcing liquid under a predetermined pressure through said conduit when said valve is opened, and closure means automatically operable when said liquid-forcing means stops to close off one section of said conduit including the hose from the remainder thereof and trap in said one section liquid under a pressure less than the first-named pressure and greater than atmospheric pressure, said closure means comprising cooperating elements capable of relative movement while maintaining the closure and forming an expansible and contractible chamber in free communication with the hose, expansible by the expansion of liquid in the hose or by the contraction of the volume of the hose and subsequently contractible by contraction of the liquid in the hose or by expansion of the volume of the hose, whereby the hose may be maintained at all times full of liquid at a pressure greater than atmospheric and substantially constant at the pressure at which it was trapped.

2,043,036
GARMENT HOLDING RACK
Lee O. Duncan, Grand Rapids, Mich., assignor to Grand Rapids Store Equipment Company, Grand Rapids, Mich., a corporation of Michigan
Application September 24, 1934, Serial No. 745,280
3 Claims. (Cl. 211—182)



1. A plurality of racks, each having an opening at a vertical side and means for supporting articles within the rack, article holding bars extending between the racks and maintaining them in predetermined fixed spaced apart relationship and means for detachably connecting said article holding bars at their respective ends to the respective racks, said detachable connecting means being on a plurality of vertical sides and said article holding bars being interchangeably detachably connectable with any of said connecting means.

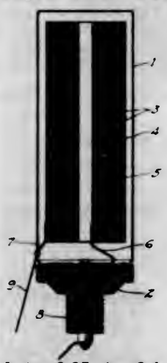
2,043,037
METHOD OF PREPARING MINERAL AGGREGATE FOR ROAD-SURFACING AND OTHER PURPOSES
Elton F. Durfee, Cranston, R. I., assignor to Koppers Products Company, Pittsburgh, Pa., a corporation of Delaware
Application February 28, 1935, Serial No. 8,701
6 Claims. (Cl. 106—31)



1. An improved method of preparing pretreated mineral aggregate for subsequent use in paving and for other purposes consisting in periodically discharging the aggregate in measured quantities to form a pile; and distributing a liquid binding agent over each separate quantity of aggregate deposited on the pile to form a stratified mass with layers of binder alternating with layers of aggregate.

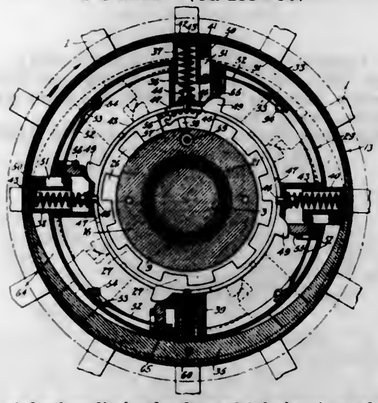
2,043,038
ANODE FOR ELECTROLYTIC CONDENSERS
Junius David Edwards, Oakmont, Pa.
Application January 26, 1935, Serial No. 3,665
5 Claims. (Cl. 175—315)

1. A film forming anode material for electrical condensers and the like consisting of aluminum of commercial purity to which is added titanium



in amounts equal to 0.05 to 0.4 per cent by weight.

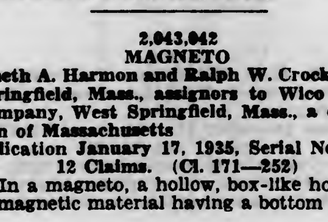
2,043,039
HYDRAULIC BRAKE
Charles E. Fisher, Peekskill, N. Y.
Application May 23, 1935, Serial No. 23,094
6 Claims. (Cl. 188—90)



1. A hydraulic brake for vehicle having wheels, comprising a stationary element adapted to be connected to a stationary part of the vehicle, a rotating element arranged exteriorly of the stationary element and adapted to be connected with one of said wheels, means coacting with said elements to form a pair of oil chambers, radially movable members carried by said stationary element, spring means for causing said radially movable members to move radially outwardly into said oil chambers, a spring for each of said radially movable members for moving the same inwardly radially, and a rock-shaft actuated mechanism for limiting and preventing said spring from functioning.

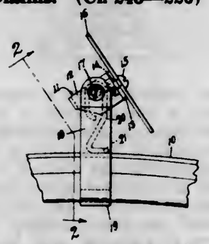
2,043,040
DOUBLE POWER BRAKING DEVICE, PARTICULARLY FOR RAILWAY VEHICLES
Hans Gallusser, Geneva, Switzerland
Application November 23, 1934, Serial No. 754,429
5 Claims. (Cl. 188—195)

1. A device adapted to develop two braking powers particularly in railway vehicles, comprising a first lever, a piston arranged to act on one end of said lever, a second lever having its corresponding one end pivotally fixed, the opposite ends of said levers being connected with the brake rigging, a rigid bar pivotally connected with one of said levers at an intermediate point, a pivot and slot connection between said bar and the other lever at a corresponding intermediate point, an extensible connection pivotally connected with said levers at points between said rigid bar and the first mentioned ends of said levers, said extensible connection consisting of relatively movable portions one of which is provided with a toothed member, an elastic clamp, seating means on the other portion of said extensible connection



adapted to cooperate with said clamp and adjust it into clamping engagement with said toothed member to prevent extension of said extensible connection, controlling means adjustable to inoperative and operative relation to said clamp for respectively permitting and preventing co-operation of said seating means with said clamp, and means for selectively adjusting said controlling means to said inoperative and operative relation to said clamp to thereby cause said extensible connection or said rigid bar, independently of each other, to respectively develop brake applying forces of different strength in said levers.

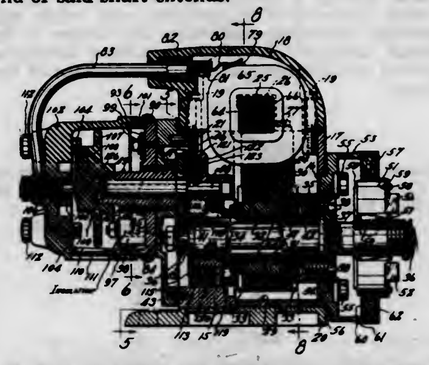
2,043,041
BICYCLE MUDGUARD CLAMP
George H. Goeddeke, Itasca, Ill.
Application August 1, 1935, Serial No. 34,207
2 Claims. (Cl. 248—226)



1. A clamp comprising a pair of arms having hooks at the lower ends for engaging the edges of a mud guard, an article supporting bracket interposed between the opposite ends of said arms, means for tightening said ends to said bracket for retaining the same in adjusted position, and a member secured by said means and contacting with said guard to resist movement of the arms in a direction to release said hooks.

2,043,042
MAGNETO
Kenneth A. Harmon and Ralph W. Crocker, West Springfield, Mass., assignors to Wico Electric Company, West Springfield, Mass., a corporation of Massachusetts
Application January 17, 1935, Serial No. 2,148
12 Claims. (Cl. 171—252)

2. In a magneto, a hollow, box-like housing of non-magnetic material having a bottom wall, interconnected end and side walls rising from the bottom wall and an open upper end; laminated iron pole-piece elements fixed one in each side wall in opposed relation and extending vertically, a laminated iron core bridging the upper ends of said elements, generating windings encompassing said core, a cap closing the upper end of said housing, a magnetic rotor located below the core and between the pole pieces, one of said end walls having an opening aligned with the rotor and large enough to permit the rotor to be passed therethrough, an elongated bearing sleeve fixed near its inner end to the other end wall and extending toward the first named end wall and entirely through the rotor, a shaft journalled inside said sleeve and connected at a point beyond the outer end of the sleeve to the rotor, and covering means for enclosing said end wall opening and having an aperture through which one end of said shaft extends.

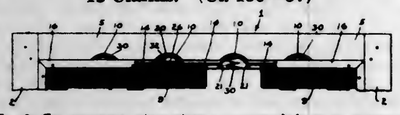


6. In a magneto, a magnetic rotor comprising, a pair of pole shoes mounted in spaced and opposed relation one on each side of the axis of rotation of the rotor, permanent magnets mounted in spaced relation on opposite sides of said axis and extending transversely of said axis and interconnecting the shoes, and a body of cast non-magnetic metal in the space between said magnets and shoes and interconnecting said shoes, the inner and adjacent faces of said shoes having recesses filled with said metal and of such form that said body and shoes are interlocked against radial separation, the shrinkage of said cast metal acting to press the shoes tightly against the ends of said magnets.

9. In a magneto, stationary and movable elements effective on relative movement to produce a change of flux and cause the generation of an electromotive force, a frame supporting the stationary element, said movable element having an axial passage therethrough, an elongated bearing sleeve fixed near its inner end in said frame and extending therefrom through said passage in spaced concentrical relation therewith, said sleeve having axially-spaced bearings one near each end thereof and having a passage leading through it and opening into the interior of the sleeve at a point between said bearings and above the bottom portion of the sleeve, a shaft extending through said sleeve and beyond both ends thereof and journalled in said bearings, a flange on said shaft near one end thereof engageable with the outer end face of said sleeve as a thrust bearing and secured to the movable element, means driven from the other end of said shaft to deliver lubricant into said passage and thence into said sleeve for flow therein in opposite directions to said bearings and between said flange and the outer end of the sleeve, said flange closing the

outer end of the rotor passage, whereby lubricant escaping from the outer end of said sleeve is compelled to flow back through said rotor passage.

2,043,043
FLY ESCAPE STRUCTURE
Edward C. Klaiber, Memphis, Tenn., assignor to The Wabash Screen Door Company, Minneapolis, Minn., a corporation of Minnesota
Application November 25, 1935, Serial No. 51,414
15 Claims. (Cl. 156—37)



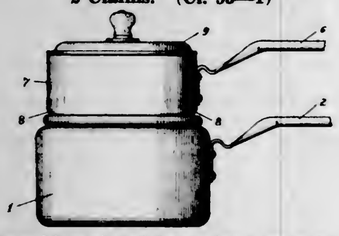
7. A fly escape structure comprising a screened frame having a conical surfaced notch and a screen retaining strip bridging said notch and forming therewith and with the screen a fly escape passage, the conical surface diverging toward and intersecting the outer surface of the frame.

2,043,044
ELECTRIC CABLE
Homer G. Knoderer, Fairfield, Conn., assignor to General Electric Company, a corporation of New York
Application March 5, 1935, Serial No. 9,434
4 Claims. (Cl. 173—266)



1. A cable comprising an insulated wire, an uninsulated wire, the two wires being arranged side by side, and an armour therefor comprising a metal strip folded over both wires so as to conform to the peripheral surfaces thereof and in electrical contact with one of them, with the open edges of the strip adjacent each other, said strip being corrugated in a direction cross-wise of its length.

2,043,045
COOKING UTENSIL
Emma J. Krinard, St. Louis, Mo.
Application May 14, 1935, Serial No. 21,365
2 Claims. (Cl. 53—1)



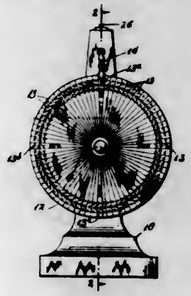
1. A cooking utensil for making icing for frosting comprising a main receptacle, a receptacle of frangible material having an annular peripheral shoulder intermediate its top and bottom, a relatively wide metal band surrounding the frangible receptacle above the peripheral shoulder, and a handle attached to said band, said band having an inturned flanged lower edge portion underlying the peripheral shoulder and supporting the frangible receptacle and resting upon the upper edge of the main receptacle.

2,043,046
MAGAZINE FOR RAZOR BLADES
Leopold Kuhni, Bridgeport, Conn., assignor to Magazine Repeating Razor Company, New York, N. Y., a corporation of New Jersey
Application January 18, 1934, Serial No. 707,067
7 Claims. (Cl. 206—16)



1. A separate magazine to be used with razors of the magazine type, said magazine comprising a casing, of tubular form, a holder for a stack of blades, an ejector slide for successively removing blades from the stack and ejecting them from the casing and a bottom plate having a spring on its inner face for engagement with the stack, the bottom plate and the casing having co-acting means for securing the bottom plate in position and requiring distortion of the bottom plate to accomplish its removal.

2,043,047
PAY INDICATOR
Andres Flores Lairet, Caracas, Venezuela
Application March 22, 1935, Serial No. 12,457
7 Claims. (Cl. 273—142)



1. In a pay indicator for a commercial advertising system, a hollow body, a shaft extending through the body, a disc divided into sections fixed on one end of said shaft, a pointer on the body extending over the disc, a master gear on the other end of the shaft, a gear free on the shaft and provided with a one way ratchet connection with the shaft, a pinion shaft for connecting with a source of rotation and bearing a pinion relatively non-rotative and slidable thereon and engageable with said gear, resilient means holding said pinion in an idle position, a lever pivoted on the outside of said body and having a gear section portion engageable with said master gear to spin the latter, an "initial" position for the lever, and means for engaging said pinion with said gear when the lever is in the initial position.

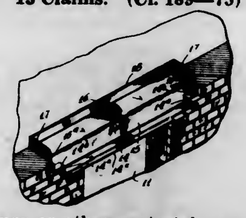
2,043,048
LADLE
Charles E. Lehr, Bethlehem, Pa., assignor to Bethlehem Steel Company, a corporation of Pennsylvania
Application December 15, 1934, Serial No. 757,600
7 Claims. (Cl. 22—81)

2. In an elliptically shaped ladle, a body portion formed of two curved plates having their end portions in abutting relation and welded together, a bottom for the ladle, and trunnion



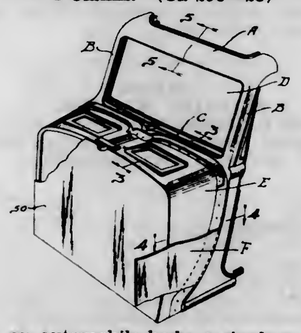
housings mounted over said joints and welded to said plates so as to reinforce said joints.

2,043,049
COPPER PAN FOR WINDOW AND WALL CONSTRUCTION
Joseph Ludden, New York, N. Y.
Application June 19, 1935, Serial No. 27,317
15 Claims. (Cl. 189—75)



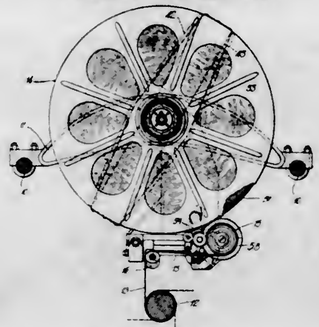
1. A copper or other material pan for the tops of window openings in brick walls, comprising a base consisting of a horizontal bottom portion continuing into a vertical portion continuing into a top horizontal portion, the ends of the horizontal bottom portion being formed with raised sections consisting of vertical portions continuing into horizontal portions, vertical end walls upon the ends of said base, and an inner wall extending upwards from the inner edge of the base and between the inner ends of said end walls.

2,043,050
FRONT END CONSTRUCTION
Everett E. Lundberg, Grosse Pointe Park, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application November 17, 1932, Serial No. 643,082
4 Claims. (Cl. 296—28)



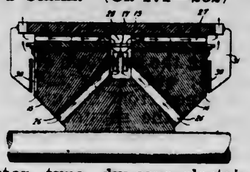
1. In an automobile body, a single metal sheet pressed to provide a transverse belt panel and a cowl portion, the metal at each end of said panel being formed into an upright pillar of hollow box-like structure closed at the front, rear and outer vertical sides of the pillar, channeled reinforcing means attached to an off-set portion of the front side and to the rear side so as to complete the box like structure, the rear side extending inwardly substantially the full length and height of the pillar to form a jamb rail and the inner edge of the front side being marginally off-set to form a windshield seat.

2,043,051
TAPING MECHANISM
Lester R. MacLeod, Ardsley, N. Y., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware
Application June 20, 1935, Serial No. 27,470
7 Claims. (Cl. 117—41)



1. Tensioning mechanism which comprises means to support a pad of strip material to rotate as said material is unwound, a non-rotating friction plate having a surface intersecting a side of said pad at the peripheral edge thereof at all diameters of said pad, and a leaf spring having its ends bent parallel with the axis of rotation of said pad and supporting said plate at said ends.

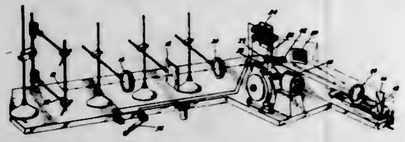
2,043,052
INDUCTOR DYNAMO-ELECTRIC MACHINE
Laurel A. March, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application September 6, 1935, Serial No. 39,420
1 Claim. (Cl. 171—252)



An inductor type dynamo-electric machine comprising stator and rotor members, the stator member comprising a cylindrical magnetic shell and two axially displaced cylindrical laminated sections supported in said shell, each section having an equal number of evenly spaced teeth and slots in its inner periphery, the slots and teeth in one section being axially aligned with the teeth and slots in the other section, an alternating-current winding composed of straight-sided form-wound coils extending through the aligned slots of said stator, said rotor comprising a cylindrically shaped magnetic structure having salient polar portions within and opposite to the laminated

sections of said stator, the polar portions being separated from each other by a recess cut in the surface of the rotor about its periphery, each of said polar portions having salient poles uniformly spaced apart a distance corresponding to twice the spacing of the stator teeth and the poles in the two rotor sections being uniformly staggered with respect to each other, a disc-shaped stationary direct-current field winding within the recess of said rotor supported from said stator, said winding surrounding the rotor and producing a unidirectional axial flux therethrough, and a plurality of ventilating ducts in said rotor extending diagonally outward from the outside ends thereof near the axis of rotation to and communicating with said central recess for forcing air about said field winding by centrifugal force when the machine is in operation.

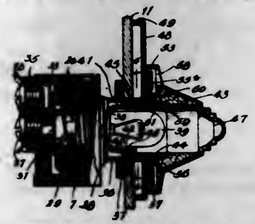
2,043,053
QUANTITATIVE SPECTROSCOPIC ANALYSIS AND APPARATUS THEREFOR
Edward J. Martin, Ferndale, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 29, 1932, Serial No. 630,891
3 Claims. (Cl. 88—14)



1. The method of quantitative spectroscopic analysis which comprises the following steps; causing the material to emit light; producing the spectrum of the material; recording on a photographic plate a portion of the spectrum including a line of the unknown element and a reference line; graduating the time of exposure throughout the length of each of the lines in steps of known ratio so as to graduate in like manner the quantity of light to which each portion is subjected; measuring the opacities of the different portions of the reference line to obtain a scale of opacities in terms of light quantities; measuring the opacity of a portion of the line of the unknown; evaluating the same in terms of light quantities by reference to the said scale; setting up a ratio of the light quantities forming corresponding portions of the line of the unknown and of the reference line; repeating the process with a series of standard electrodes containing the same kind of material but having the unknown element varied in known amount; evaluating the ratio of light quantities obtained from the unknown in terms of percentage of the substance by comparison with ratios of light quantities obtained from the standard series.

2,043,054
INDICATOR AND CONTROL FOR AUTOMOBILE HEATERS
Mathew J. Marty and Richard H. Hausse, Chicago, Ill.
Original application December 7, 1934, Serial No. 756,423. Divided and this application February 28, 1935, Serial No. 8,712
7 Claims. (Cl. 177—311)

4. A device of the kind described comprising a support having an aperture, a stationary housing on one side of said support, a threaded stub projecting from said housing through said aperture, means for anchoring said housing and stub to said support, an electric switch structure within said housing having a rotatable body, a socket rotatable with said body, a lamp in said socket extending into said stub, a rotatable sleeve connected to said socket and protruding
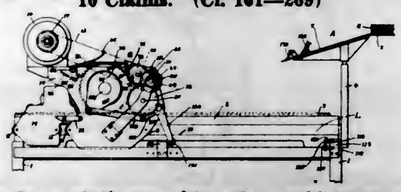


through said support and having a light aperture, a stationary dial secured to said support and illuminated by light rays emitted through said light aperture, and an operating handle secured to said sleeve and having a sight aperture through which indicia on the dial may be observed.

2,043,055
ADJUSTABLE NECKTIE
William Mayer, New York, N. Y.
Application August 23, 1935, Serial No. 37,438
5 Claims. (Cl. 2—155)



1. In an adjustable necktie, a neckband portion comprising inner and outer plies of tie material having their longitudinal edges turned inward and stitched together by concealed stitching, the inner ply having a series of perforations arranged in predetermined longitudinally spaced relation, a reinforcement strip arranged on the outside of said inner ply and having perforations registering with those in said inner ply, and means marginally interengaging each pair of registering perforations, said neckband portion being adapted to be doubled back upon itself and provided at its end with a male fastening element adapted to engage with a selected perforation, and said strip carrying indicia adjacent to said perforations relevant to the adjustabilities in effective neckband length afforded by said perforations, respectively.

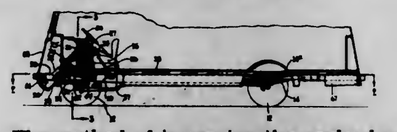
2,043,056
PRINTING MACHINE
Emil L. Mueller, Rutherford, N. J.
Application July 28, 1933, Serial No. 682,541
10 Claims. (Cl. 101—269)



1. In a printing machine, the combination with a printing roll of a printing roll carriage mount-

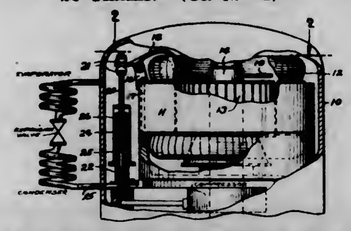
ed to travel back and forth between two positions along a suitable bed and having bed engaging means effective to cause rotation of said roll in opposite directions during the back and forth travel of said roll, a motor mounted on said carriage and driving connections between the motor and the roll and a reversing switch for the motor to cause the roll to travel back and forth along the bed, of means comprised in said driving connections providing a period of rest for said roll following the beginning of operation of the motor to move the roll in at least one direction along the bed.

2,043,057
MOTOR VEHICLE
Edward B. Nevin, New York, N. Y., assignor to Nelson Littell, New Canaan, Conn.
Application September 20, 1935, Serial No. 41,429
6 Claims. (Cl. 180—54)



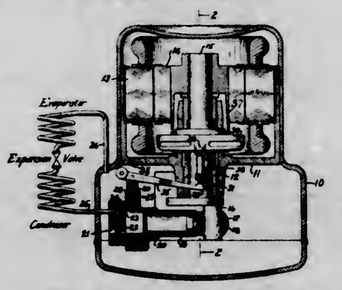
1. The method of increasing the payload area of a standard low-priced truck chassis provided with dual rear wheels which comprises the steps of increasing the front wheel tread to substantially equivalent to the maximum tread of the rear wheels, whereby to provide additional space between the engine and the front wheels, adding an extension to the frame forward of the front axle, moving the steering column forward to a position approximately as far in front of the front axle as it normally is in the rear thereof, and supporting it on said extension, moving the remaining controls to a forward position adjacent the engine and forward of the transmission, and providing a driver's seat adjacent the engine and forward of the transmission whereby the space behind the transmission and equal in width to the maximum tread of the rear wheels is available for payload.

2,043,058
MAGNETIC UNLOADER
Clyde E. Ploeger, Evansville, Ind., assignor to Servel Inc., New York, N. Y., a corporation of Delaware
Application September 20, 1930, Serial No. 483,148
26 Claims. (Cl. 62—4)



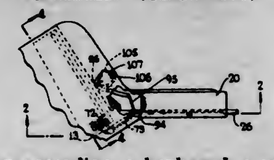
1. The combination of a compressor, an unloading valve for said compressor, an electric motor for operating said compressor, a lever pivoted on said motor and having one end overlying the rotor within the leakage magnetic field of said motor and adapted to be attracted upon starting of the motor, and means connected to the other end of the lever adapted to operate the unloading valve of the compressor.

2,043,059
MAGNETIC UNLOADER
Clyde E. Ploeger, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application August 8, 1933, Serial No. 684,147
11 Claims. (Cl. 62—4)



3. In a refrigeration system of the compression type, a motor-compressor unit comprising a vertical electric motor having a shaft operatively connected at its lower end to a compressor, an unloading valve for said compressor, and actuating means for said valve comprising an annular member of magnetic material encircling said shaft below the motor and guided for vertical reciprocation within the magnetic leakage field of the motor and a lever operatively engaging said valve and having a bifurcated end straddling said motor shaft in operative engagement with said annulus at diagonally opposite points thereof.

2,043,060
SHUTTER FOR ACCORDIONS
Salvatore Rabuanno, New York, N. Y.
Application February 6, 1936, Serial No. 62,617
7 Claims. (Cl. 84—376)

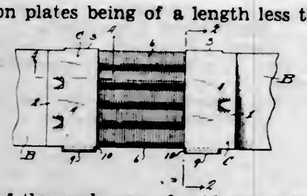


1. In an accordion, a keyboard, a member adjacent one edge of the keyboard, and being slidable with respect thereto, a wheel pivoted to the keyboard and having a plurality of segmental gear portions, means operatively connected to said member for intermittently rotating said wheel, a plurality of gears on said keyboard adapted to be successively rotated by said segmental gear portions 180 degrees upon rotation of said wheel, and means operatively connected to said gears for controlling the shutter slide valves of the accordion.

2,043,061
BELT
John Rasp, Cleveland, Ohio
Application January 4, 1936, Serial No. 57,603
4 Claims. (Cl. 241—8)

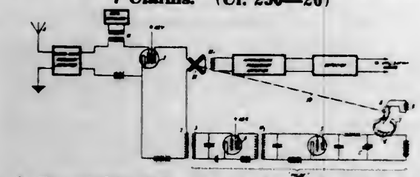
1. As a new article of manufacture, a casing comprising two overlying plates, an interposed neck connecting adjacent ends of the plates at one side thereof, the opposite side portions of the plates being constructed and arranged to be secured to an end portion of a strip inserted therebetween, extension plates carried by the free end portions of the first named plates, each of said

extension plates being of a length less than the



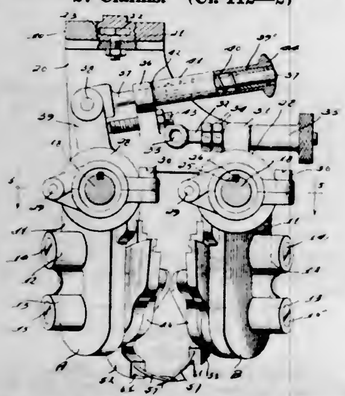
length of the neck, one of said extension plates lapping the other.

2,043,062
AUTOMATIC GAIN CONTROL
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application October 31, 1929, Serial No. 403,681
7 Claims. (Cl. 250—20)



1. In combination, means for collecting signal energy, means for combining the latter with local energy to produce intermediate frequency energy, means to detect the latter, and pilot means, responsive to predetermined variations in the intermediate frequency energy level, to control the efficiency of energy transfer between the said combining means and the said detector means.

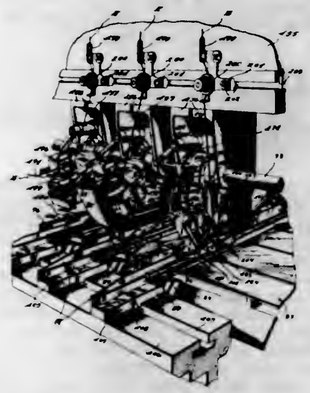
2,043,063
SEWING HEAD
Frederick N. Ross and Horace L. Johnson, Detroit, Mich., assignors, by mesne assignments, to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application October 17, 1929, Serial No. 400,317
27 Claims. (Cl. 112—2)



2. Sewing mechanism comprising a pair of needles working in paths which angularly intersect one another but from the same side of the seam, said needles respectively partaking simultaneously of thrusting and retracting movement, each needle having a rocking movement at the end of its thrusting movement.

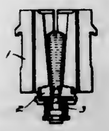
27. In the manufacture of pleated upholstery, the steps which comprise, advancing a lining fabric and a main fabric with batts disposed therebetween, forming seam-ridges between the batts, then uniting said fabrics by stitches of a thread passed therethrough from the outer side of one of them and engaging loops formed in said thread by loops of a second thread formed between the fabrics.

2,043,064
SEWING LOOPER MECHANISM
Frederick N. Ross and Horace L. Johnson, Detroit, Mich., assignors, by mesne assignments, to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application October 20, 1930, Serial No. 490,034
6 Claims. (Cl. 112—197)



1. Sewing mechanism including, a needle reciprocated in an arcuate path about a center which is shifted on an arc struck from a point in the arcuate path of the needle, and a looper reciprocated on a path which intersects the path of the needle.

2,043,065
METHOD OF FORMING HOLLOW GLASS ARTICLES
George E. Rowe, Wethersfield, Conn., assignor to Hartford-Empire Company, Hartford, Conn., a corporation of Delaware
Application October 1, 1935, Serial No. 42,989
6 Claims. (Cl. 49—80)



1. The method of forming hollow glass articles, comprising settling a charge of plastic glass in a blank mold and a neck ring associated therewith, cracking the blank mold to permit the reheating of the body portion of the settled blank, reclosing the blank mold about the settled blank, expanding the glass in the blank mold into conformity with the internal cavity thereof, transferring the hollow parison thus formed from the blank mold to a blow mold, and expanding the parison to final form in the blow mold.

2,043,066
PRODUCTION OF COARSELY CRYSTALLINE AMMONIUM SULPHATE
Carl Rumscheidt, Arnold Jeltsch, Anton Strzyzewski, and Heinrich Hegge, Leuna, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Original application January 10, 1935, Serial No. 1,156. Divided and this application November 22, 1935, Serial No. 51,091. In Germany November 25, 1933
5 Claims. (Cl. 23—119)

1. The process of producing coarsely crystalline ammonium sulphate by evaporating an acid aqueous solution of the sulphate which comprises adding to the solution to be evaporated small amounts both of a water-soluble aluminium salt and a water-soluble salt of manganese.

2,043,067
PRODUCTION OF COARSELY CRYSTALLINE AMMONIUM SULPHATE
Carl Rumscheidt, Arnold Jeltsch, Anton Strzyzewski, and Heinrich Hegge, Leuna, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Original application January 10, 1935, Serial No. 1,156. Divided and this application November 22, 1935, Serial No. 51,092. In Germany February 22, 1934
5 Claims. (Cl. 23—119)

1. The process of producing coarsely crystalline ammonium sulphate by evaporating an acid aqueous solution of the sulphate which comprises adding to the solution to be evaporated small amounts both of a water-soluble aluminium salt and a water-soluble salt of zinc.

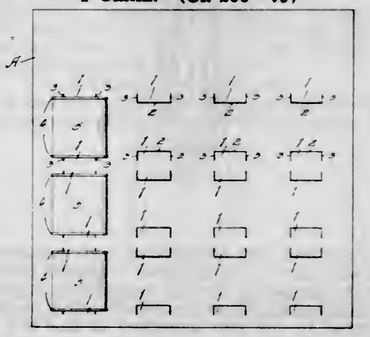
2,043,068
PRODUCTION OF COARSELY CRYSTALLINE AMMONIUM SULPHATE
Carl Rumscheidt, Arnold Jeltsch, Anton Strzyzewski, and Heinrich Hegge, Leuna, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application January 10, 1935, Serial No. 1,156. In Germany November 25, 1933
5 Claims. (Cl. 23—119)

1. The process of producing coarsely crystalline ammonium sulphate by evaporating an acid aqueous solution of the sulphate which comprises adding to the solution to be evaporated small amounts both of a water-soluble aluminium salt and a water-soluble salt of a metal selected from the group consisting of sodium, potassium and magnesium.

2,043,069
PREPARATION OF DYED FILAMENTS AND FILMS
Roland Rüsch, Opladen, Austria, and Hermann Schmidt, Leverkusen-Wiesdorf, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application December 3, 1934, Serial No. 755,848. In Germany December 6, 1933
3 Claims. (Cl. 18—54)

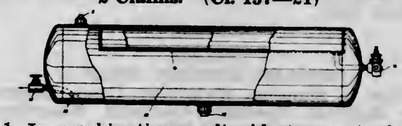
1. In the process of preparing dyed filaments and films from artificial masses such as regenerated cellulose, cellulose esters and ethers, the modification which comprises incorporating within the solution serving as starting material for the preparation of the filaments and films a vat dyestuff and subjecting the same after the preparation of the filaments and films has been performed to a reduction process so as to form the leuco compound and to a subsequent oxidation process so as to regenerate the dyestuff.

2,043,070
CAN PACKAGE AND PACKAGING
Walter L. Rutkowski, Normandy, Mo., assignor to R. C. Can Company, St. Louis, Mo., a corporation of Missouri
Application April 16, 1934, Serial No. 720,799
1 Claim. (Cl. 206—79)



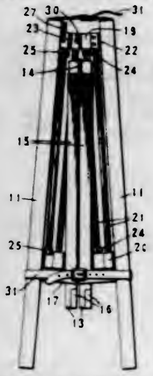
A shipping and display package having, in combination, a card board, said board having a plurality of vertical and horizontal rows of spaced grippers formed by horizontally aligned slits, merging at their ends with vertically aligned slits so that the grippers will be rectangular in shape, and a paper container having depressed metal end closures with rolled edges held in position between each pair of grippers and with the long straight free edges of the grippers tightly engaging the outer faces of the depressed metal end closures for supporting the cans wholly on one side of the card board with the portions of the card board adjacent the ends of each pair of grippers serving as supports for the rolled edges of the metal end closures to be forced against by the action of the grippers.

2,043,071
SAFETY PRESSURE TANK FOR LIQUID STORAGE
William Andrew Sandberg, Los Angeles, Calif., assignor to Parkhill-Wade, Incorporated, Los Angeles, Calif., a corporation of California
Application December 4, 1933, Serial No. 700,781
2 Claims. (Cl. 137—21)



1. In combination: a liquid storage tank, an ullage tank, a pipe arranged for filling said storage tank, and unitary valve means providing the sole means of communication between said filling pipe and said storage tank and between said ullage tank and said storage tank and being arranged to positively prevent communication between said filling pipe and said ullage tank, said valve means and said ullage tank being so positioned as to allow liquid to flow by gravity through said valve means from said ullage tank into said storage tank.

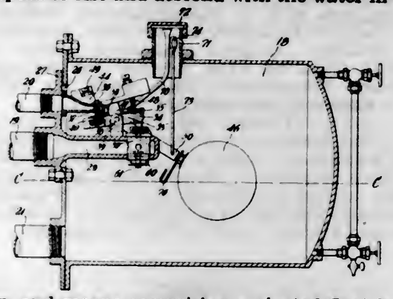
2,043,072
FOLDING CRIB
Stanley W. Schmitt, Hohokus, and Albert J. Mory, Ridgewood, N. J.; said Mory assignor to said Schmitt
Application April 28, 1932, Serial No. 607,974
7 Claims. (Cl. 5—99)



1. A folding bed comprising end members, a bed frame having longitudinal members between which is carried a flexible supporting material, said longitudinal frame members being pivotally connected to the end members of the bed and also pivotally jointed centrally to swing upward between said end members drawing the end members toward each other, and side guards connecting and bracing said end members above said bed frame when the bed is open, each of said side guards having at least two portions pivotally connected and being diagonally oppositely pivoted to the end members for rotation horizontally whereby each of the side guards may be folded in an upright position between the frame when folded and an end member, the pivot of said longitudinal members of the bed frame adjacent the end members being spaced from the end members an amount in excess of twice the thickness of said side guards, said side guards comprising upper and lower longitudinal members, connecting means between said upper and lower longitudinal side guard members, said means being arranged so that a portion of the longitudinal bed frame members when folded may be placed between said upper and lower longitudinal side guard members, the bed frame longitudinal members when folded being below the upper longitudinal members of said side guards, whereby the bed when folded may be thinner at the top than at the bottom and the end members inclined to provide a wide supporting base.

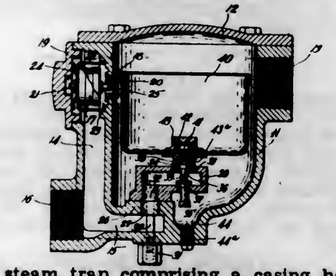
2,043,073
BOILER RETURN TRAP
William K. Simpson, Waterbury, Conn., assignor to Hoffman Specialty Company, Waterbury, Conn., a corporation of Illinois
Application July 23, 1932, Serial No. 624,172
9 Claims. (Cl. 137—103)

1. A boiler return trap comprising a shell, inlet and outlet extensions projecting into said shell, a balanced inlet valve in one of said extensions, a balanced outlet valve in the other of said extensions, a tiltable weight, a tiltable lever operable by the weight and having arms at opposite sides of its fulcrum each connected independently to one of the valves, so that when tilted in one direction said lever opens the outlet valve and closes the inlet valve and, when the weight is tilted in the opposite direction, it closes the outlet valve and opens the inlet valve, provisions for admission of water into the trap casing, a float adapted to rise and descend with the water in the



trap, and means comprising a pivoted float lever to which the float is secured and adjustable set screws carried by said lever in position to act oppositely on the weight, whereby the float tilts the weight in respectively opposite directions as it rises and descends.

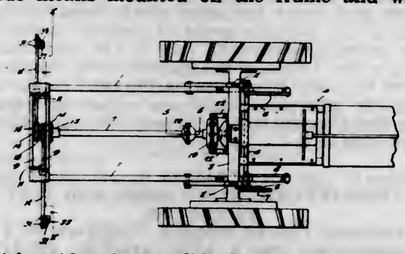
2,043,074
STEAM TRAP
William K. Simpson, Waterbury, Conn., assignor to Hoffman Specialty Company, Waterbury, Conn., a corporation of Illinois
Application July 28, 1932, Serial No. 625,451
4 Claims. (Cl. 137—103)



1. A steam trap comprising a casing having inlet and outlet openings, a valve fitting, a balanced valve cooperating with said fitting, and a float connected to said balanced valve, all constituting a unit assemblage insertable as such into the casing and the fitting having a port to register with the outlet opening of the trap casing, means for securing said valve fitting in the casing, including parts in the fitting and casing which must first be brought into register, and means for preventing rotation of the fitting relatively to the valve in the course of entrance into and assemblage with the trap casing.

2,043,075
WATER BLOCK OR DAM FORMING DEVICE
Russell H. Smith, Quanah, Tex., assignor of one-half to Alfred A. Lindsey, Quanah, Tex.
Application April 24, 1935, Serial No. 18,019
3 Claims. (Cl. 97—55)

1. A machine for building dams in furrows comprising a frame, means for pivotally mounting the frame at one end to the rear of a draft vehicle equipped with a power take off shaft, means for securing the frame at the desired adjustment relative to ground level, shovels operating laterally of the frame for shoveling dirt from opposite sides of a furrow into the furrow to build a dam, rods to which said shovels are secured, guide means mounted on the frame and with



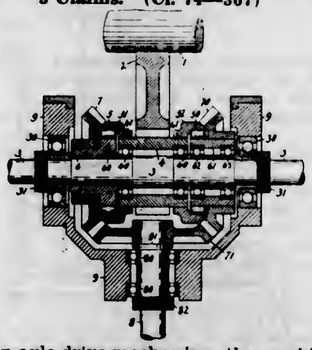
which said rods are slidably engaged, eccentric means connected with said rods to operate the shovels, and means in conjunction with said eccentric means for operating said shovels from the power take off shaft of the draft vehicle.

2,043,076
FURROW DAMMING MACHINE
Russell H. Smith, Quanah, Tex., assignor of one-half to Alfred A. Lindsey, Quanah, Tex.
Application September 16, 1935, Serial No. 40,834
6 Claims. (Cl. 97—55)



1. A machine of the character specified comprising a frame, a hoe pivotally and slidably mounted on the frame, means for raising and lowering the hoe, other means for moving the hoe transversely across a furrow when raised, and independent means for moving the hoe inwardly when lowered to draw a portion of the earth at the side of the furrow across the latter to form a dam.

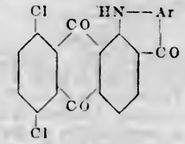
2,043,077
AXLE DRIVE MECHANISM
Charles E. Stewart, Verdun, Quebec, Canada, assignor to Juno Corporation Limited, Montreal, Quebec, Canada, an incorporated company
Application May 20, 1935, Serial No. 22,413
3 Claims. (Cl. 74—367)



3. In an axle drive mechanism, the combination of a drive axle, a gear thereon, a driven shaft journalled parallel to the axle, a loose pinion on the shaft meshing with the gear, reverse over-running clutches at the sides of the pinion, a train of bevel gears, the end gears mounted about the shaft, each coupled to the pinion by one of the clutches and one bevel gear keyed to the shaft.

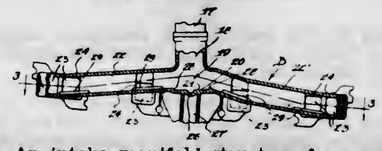
2,043,078
DICHLORO - ANTHRAQUINONE - ACRIDONES AND PROCESS FOR PREPARING THE SAME
Robert Fraser Thomson, William Smith, and James Primrose, Grangemouth, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Original application October 14, 1931, Serial No. 568,862. Divided and this application July 21, 1933, Serial No. 681,556. In Great Britain October 18, 1930
9 Claims. (Cl. 260—37)

5. A compound of the anthraquinoneacridone series corresponding to the general formula:



wherein Ar stands for an o-arylene radical of the benzene, naphthalene and anthracene series.

2,043,079
ENGINE
Harold H. Timian, Detroit, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia
Application May 22, 1933, Serial No. 672,087
7 Claims. (Cl. 123—52)

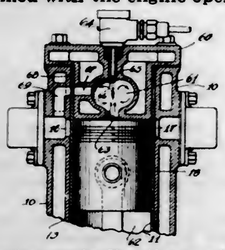


1. An intake manifold structure for a multi-cylinder internal combustion engine having a longitudinal axis inclined to the normal horizontal plane of the chassis by which said engine is supported, said engine having intake ports associated with the engine cylinders, said manifold structure including a primary fuel mixture conducting means, a distributing chamber including a puddling chamber, and oppositely extending lateral runners communicating with said distributing chamber and extending substantially longitudinally of the engine, said lateral runners communicating with the engine intake ports, the rim of said puddling chamber extending substantially parallel with the normal horizontal plane of said chassis.

2,043,080
ENGINE
Edward T. Vincent, Detroit, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia
Application September 25, 1931, Serial No. 565,110
5 Claims. (Cl. 123—76)

1. In an engine of the compression ignition type having a cylinder ported for air intake, sleeve valve means controlling said port, a cylinder head having a combustion chamber provided with a restricted opening communicating with the cyl-

inder, said combustion chamber having an auxiliary scavenging air intake port, said sleeve valve means also controlling said last mentioned port and timed with the engine operation to open



said scavenging port after the combustion period and prior to the suction period through said other air intake, and fuel injection means including a nozzle for spraying fuel into said combustion chamber.

2,043,081

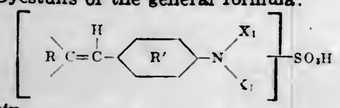
METHINE DYESTUFFS DERIVED FROM P-AMINO-BENZALDEHYDE COMPOUNDS

Ottmar Wahl, Leverkusen-I. G.-Werk, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application December 23, 1933, Serial No. 703,841. In Germany April 22, 1931

3 Claims. (Cl. 260—99.30)

1. Dyestuffs of the general formula:



wherein



stands for the radical of a compound containing a reactive methyl or methylene group, in which radical the



portion is formed from the reactive methyl or methylene group, X_1 and X_2 stand for hydrogen, alkyl, a radical of the benzene or benzyl series, wherein the sulfonic acid group is attached to a nucleus and wherein the benzene nucleus R' may be further substituted by substituents selected from the group consisting of halogen, alkyl and alkoxy, forming easily water-soluble alkali metal salts, dyeing animal fibers various shades of good fastness properties.

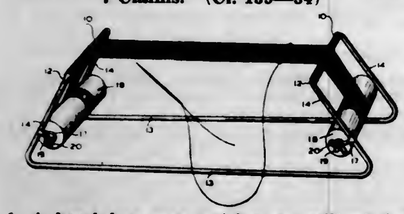
2,043,082

BEAD LOOM

Samuel Wallach, New York, N. Y., assignor to Walco Bead Co., New York, N. Y., a firm

Application May 3, 1935, Serial No. 19,539

7 Claims. (Cl. 139—34)



1. A bead loom comprising a resilient frame constructed from a single wire with its ends joined to provide a continuous wire frame and having the form of a rectangular wire loop with the ends thereof bent upwardly, the resilient wire providing the major resiliency for the frame in the base wires and lesser resiliency in the bent-up ends and at the bends, a series of grooves carried by the upwardly extending ends of the rectangular loop of the frame, and a roll rotatably supported upon the sides of each upwardly bent end of the loop, the rolls providing the sole transverse spacing and bracing means between the ends of the wire loop.

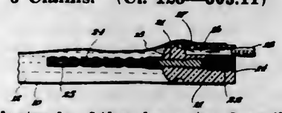
2,043,083

THERAPEUTIC ELECTRODE AND PLUG THEREFOR

Frederick Charles Wappler, New York, N. Y.

Application July 8, 1932, Serial No. 621,347

6 Claims. (Cl. 128—303.11)



6. An electrode of the character described, comprising a resilient, distensible bag of insulating material, a conductive fluid in said bag, a neck on said bag, a fluid-tight plug for sealing said neck, said plug comprising a substantially cylindrical body adapted to receive the neck in stretched fluid-tight condition thereover, said body having a passage therein to permit said fluid to be fed into said bag through said plug, the inner end of the passage lying on the ensheathed side surface of the body, so that the neck itself will serve as a check valve, and an electric terminal extending in fluid-tight relation longitudinally through said plug and into the fluid in said bag, the inner end of said terminal comprising a resilient, flexible member of conductive material immersed in and in electrical contact with said fluid.

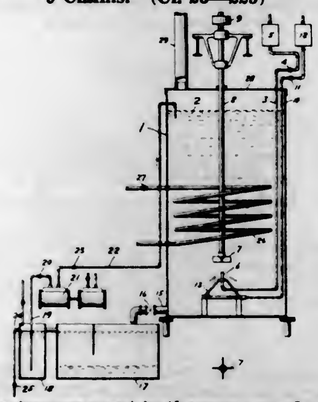
2,043,084

PRODUCTION OF ELEMENTAL SULPHUR FROM HYDROGEN SULPHIDE AND SULPHUR DIOXIDE

Alger L. Ward, Upper Darby, Claude W. Jordan, Paoli, and Charles G. Milbourne, Lansdowne, Pa., assignors to The United Gas Improvement Company, Philadelphia, Pa., a corporation of Pennsylvania

Application January 23, 1933, Serial No. 653,088

9 Claims. (Cl. 23—225)



5. The improvement in the proceess of reacting hydrogen sulphide and sulphur dioxide in the presence of an aqueous solution which consists in swirling a bath of the solution from below the surface upwards and simultaneously injecting hydrogen sulphide and sulphur dioxide in jet form into the vortex of the swirl.

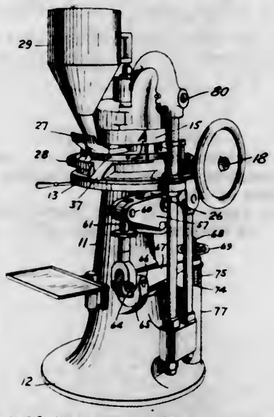
2,043,085

TABLET MACHINE

Charles J. Westin and Charles J. Beck, Philadelphia, Pa., assignors to F. J. Stokes Machine Company, Philadelphia, Pa., a corporation of Pennsylvania

Application March 7, 1934, Serial No. 714,409

3 Claims. (Cl. 107—17)



1. In a tablet machine, the combination of, a pair of rolls, a base, a lever pivotally mounted on said base and pivotally supporting one of said rolls thereon, a second lever pivoted on said base adjacent said first lever, a link connecting said levers together, a hand-wheel arranged to adjust the length of said link, a spring connected to said base, a spring chamber completely encircling said spring and underlying one end of said second lever so as to provide a stop for said second lever in one direction of movement thereof, an eye-bolt connected to said spring, and a hand-wheel having screw threaded engagement with said eye-bolt and bearing on said second lever so as to provide means for adjusting the tension with which said spring stresses said second lever.

2,043,086

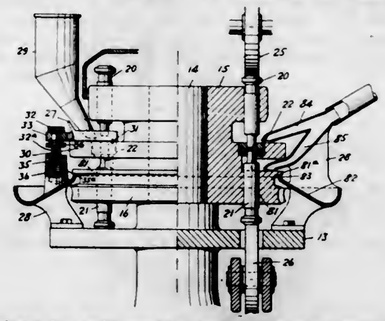
TABLET COMPRESSING MACHINE

Charles J. Westin and Albert Donaghy, Sr., Philadelphia, Pa., assignors to F. J. Stokes Machine Company, Philadelphia, Pa., a corporation of Pennsylvania

Application April 7, 1934, Serial No. 719,508

6 Claims. (Cl. 107—17)

1. In a tablet machine, a stationary table, first means for conveying a plurality of molds and a plurality of punches for co-operation with said molds, second means for compressing material between pairs of said punches, a grid mounted adjacent said molds so that said molds are movable relative thereto, a hopper mounted to feed material to said grid, bolts forming supports for said grid, caps having screw-threaded engagement with said bolts and having screw-threaded engagement with said table, a cam projecting through an opening in said table for co-operation with the lower ones of said plurality of punches, said cam having a face in the shape in plan of a ring sector on a radius conforming to the radius of the punch centers, and located so as to raise the lower ones of said plurality of punches and to adjust the amount of material



received by said molds, and means mounted on said table adjacent said second means at the point of compression of said punches for removing dust from around said molds and said punches.

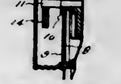
2,043,087

THERMOMETER

Horace R. Whittier, Pequabuck, Conn., assignor to The Cooper Oven Thermometer Company, Plymouth, Conn., a corporation of Connecticut

Application December 28, 1935, Serial No. 56,445

4 Claims. (Cl. 73—118)



3. A thermometer having a casing with an opening in its front end, a cover closing said opening in the casing, said cover comprising a fixed annular portion and a rotatable circular portion fitted within said annular portion, the front faces of said cover portions being in substantially the same plane and bearing correlative temperature indicating means, thermo-responsive means connected to turn the rotatable portion of the cover with respect to the fixed portion of the cover according to the temperature to which the thermometer is subjected, and means mounted within the casing for calibrating the action of the thermo-responsive means.

2,043,088

LAVATORY WASTE

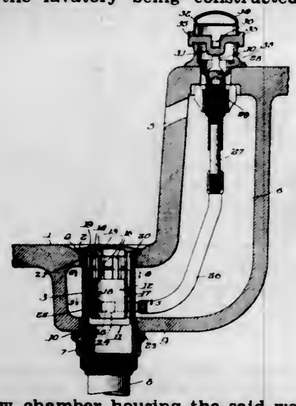
Roy H. Zinkil, Oak Park, and Eugene W. Marchand, Maywood, Ill., assignors to Crane Co., Chicago, Ill., a corporation of Illinois

Application May 26, 1934, Serial No. 727,598

24 Claims. (Cl. 4—199)

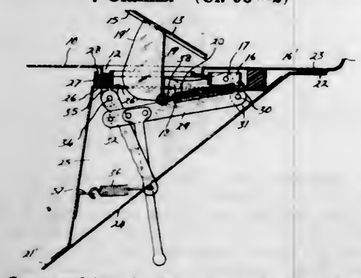
1. A lavatory waste construction comprising a waste outlet tube, a waste plug slidably mounted therein comprising a longitudinally ribbed tubular body having a head to seat over the upper end of the waste tube and having vertical slots in the upper part thereof between the ribs thereof, said body having a circumferential groove in the ribs thereof below the said slots, a lift yoke engaging said circumferential groove, said tube having

opposite openings to accommodate said yoke and its movement, operating means carrying said yoke, the lavatory being constructed with an



overflow chamber housing the said waste outlet tube and operating means and yoke, and exposed manually operable means for operating said operating means.

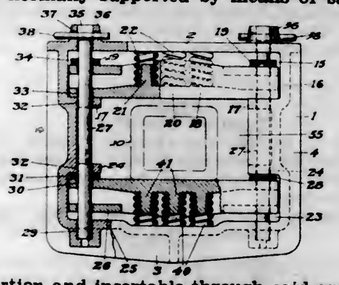
2,043,089
VENTILATOR CONSTRUCTION
Albert P. Ball, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application May 9, 1932, Serial No. 610,242
7 Claims. (Cl. 98—2)



1. In a vehicle body, a movable hood section having a ventilator opening therein, a closure for said opening hingedly mounted on said hood section, a dash, a ventilator conduit secured to said dash and extending under said hood section into registration with said opening when said hood is closed, and adjustable closure operating means carried by said dash and engageable with said closure when said hood section is closed, said closure being movable with the hood section independently of said means into and out of operative relation to said means in various adjusted positions of the latter.

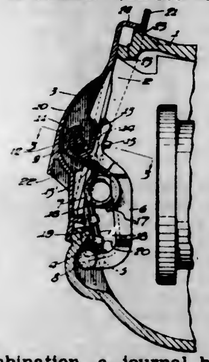
2,043,090
STRIKING CASTINGS
Donald S. Barrows, Rochester, N. Y., assignor to The Symington Company, Rochester, N. Y., a corporation of Maryland
Application April 16, 1931, Serial No. 529,209
13 Claims. (Cl. 213—60)

9. A combined casting comprising portions serving respectively as a striking casting and sill tie member, side portions connecting said striking casting and sill tie portions, one of said side portions having an aperture, a hollow wear block normally supported by means of said sill



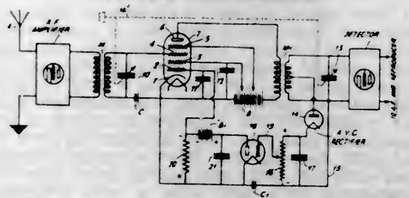
tie portion and insertable through said aperture, and means housed in said block for resiliently supporting it.

2,043,091
JOURNAL BOX
Donald S. Barrows, Rochester, N. Y., assignor to The Symington Company, Rochester, N. Y., a corporation of Maryland
Application January 12, 1932, Serial No. 586,247
16 Claims. (Cl. 308—47)



1. In combination, a journal box having an outer opening, that portion of said box defining the lower edge of said opening being formed as a cam, a lever with its lower end portion pivoted to said box adjacent the lower edge of said opening, a lid movably mounted on the upper end of said lever, and a spring mounted on said lever and acting on said cam to hold the lid in open or closed position.

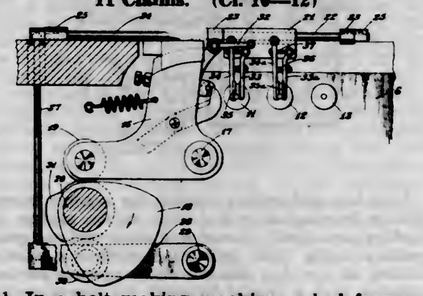
2,043,092
AUTOMATIC VOLUME CONTROL
Knox C. Black, Mountain Lakes, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 3, 1932, Serial No. 640,945
17 Claims. (Cl. 250—20)



1. The combination with a vacuum tube having a cathode, a plate, a signal grid and at least

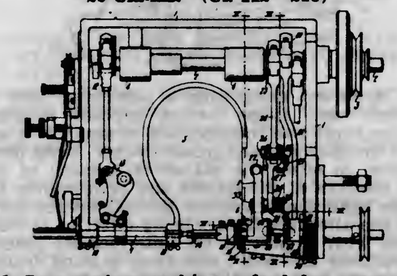
two auxiliary grids; and means including a vacuum tube controlling the bias applied to one of said auxiliary grids, said means impressing solely a negative bias on said one grid, said auxiliary grids being disposed between the cathode and signal grid, means for maintaining the other grid at a substantially constant positive potential with respect to the cathode.

2,043,093
MACHINE FOR MAKING BOLTS AND THE LIKE
William L. Clouse, Tiffin, Ohio, assignor to The National Machinery Company, Tiffin, Ohio, a corporation of Ohio
Application May 9, 1933, Serial No. 670,106
11 Claims. (Cl. 10—12)



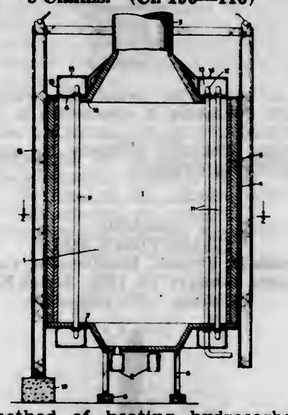
1. In a bolt making machine, a bed frame, a plurality of alined dies supported by said frame, a reciprocating header slide having a punch cooperating with each die, means for feeding wire or rod stock, a movable cut-off arm mounted on said frame and adapted to cut off lengths of stock and carry the same to the first of said dies, a plurality of coacting transfer fingers adapted to engage and releasably retain bolt blanks formed from the lengths of stock, a support for said fingers slidably carried upon a slideway mounted for oscillatory movement toward and away from said dies, means for oscillating said slideway and support to cause the fingers to engage and release the blanks, and means connected with said cut-off arm for reciprocating said finger-support on its slideway to effect transfer of the blanks from one die to another.

2,043,094
SEWING MACHINE
Robert N. Cundall, Lackawanna, and Lincoln A. Cundall, Buffalo, N. Y., assignors to Consolidated Packaging Machinery Corporation, Buffalo, N. Y., a corporation of New York
Application September 26, 1933, Serial No. 690,988
20 Claims. (Cl. 112—215)



1. In a sewing machine, a feed dog, means for reciprocating said feed dog substantially in the line of motion of the material being sewed, a link abutting against said feed dog at one end, and means for reciprocating the other end of said link in a plane parallel to the plane of the material being sewed, whereby the feed dog is caused to perform a series of alternate forward motions in engagement with said material and reverse motions out of engagement with said material, the material being thereby advanced in a series of intermittent movements.

2,043,095
METHOD OF AND APPARATUS FOR HEATING FLUIDS
Luis de Florez, Pomfret, Conn., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application August 10, 1932, Serial No. 628,156
5 Claims. (Cl. 196—116)

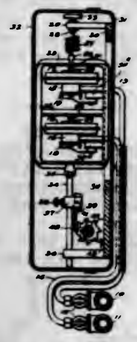


5. A method of heating hydrocarbon fluids which comprises passing a stream of hydrocarbon fluid in vertical paths through a vertical heating coil in a single unobstructed heating zone, producing a plurality of columns of hot products of combustion for passage through said heating zone in an unobstructed path and substantially out of contact with said vertical heating coil, subjecting separate portions of said heating coil to mainly the radiant heat of a separate column of said hot products of combustion produced for each portion and regulating the temperature of each column of hot products of combustion to thereby vary the intensity of radiant heat absorbed mainly by each portion of the heating coil from its respective column of hot products of combustion, whereby the hydrocarbon fluid passing through the heating coil is progressively increased in temperature.

2,043,096
AUTOMATIC CONTROL MECHANISM
Augustus C. Durdin, Jr., Niles Center, Ill., assignor to Chicago Pump Company, Chicago, Ill., a corporation of Illinois
Original application January 14, 1933, Serial No. 651,672, now Patent No. 1,982,578 dated November 27, 1934. Divided and this application August 18, 1934. Serial No. 740,382
11 Claims. (Cl. 185—40)

1. Control mechanism for a switch, comprising in combination, a plurality of independently operable pressure actuated devices, each connected with a source of variable pressure supply, a switch throwing element, a motion transmit-

ting element, which is common to both pressure actuated devices and is directly moved in one and the same direction by either of said pressure actuated devices, whereby said motion transmitting element is set into active position



without actuating the switch throwing element, and means operating in opposition to said pressure actuated devices for actuating said motion transmitting element, whereby to actuate the switch throwing element.

2,043,097
COLOSTOMY PAD
Frank H. Frissell, Middletown, Conn.
Application January 22, 1936, Serial No. 60,229
3 Claims. (Cl. 128—283)



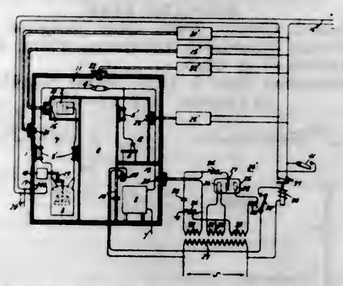
1. A colostomy pad comprising a concavo-convex body of sponge rubber having a thin, impermeable, flexible skin or film covering its inner face and an impermeable supporting backing applied to its outer face.

2,043,098
SPIDER FOR LAWN MOWER CUTTING REELS
Truman B. Funk, Jackson, Mich., assignor to "Yard-Man" Inc., Jackson, Mich., a corporation of Michigan
Application May 29, 1934, Serial No. 728,128
9 Claims. (Cl. 56—294)



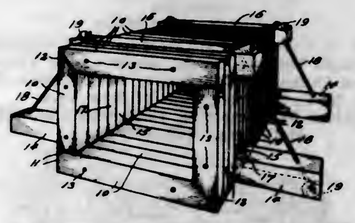
1. In a lawn mower cutting reel, a disc-like sheet metal spider having a plurality of integral radially extending blade supporting tabs disposed at the outer edge thereof and an integral reinforcing shoulder for each of said tabs, each shoulder being flat and extending in the plane of said spider from the outer edge of its respective tab toward a point below an adjacent tab within a circumferential line drawn through the outer edge of said tab having the center of said spider as its center.

2,043,099
ELECTRICAL PROTECTIVE SYSTEM
William M. Hanna, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application October 26, 1933, Serial No. 695,288
1 Claim. (Cl. 175—294)



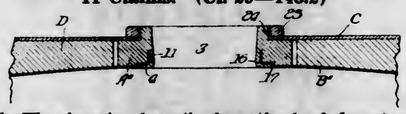
In a bus and switch station for a high tension electric transmission and distribution system including a normally closed and darkened compartment housing high tension electrical apparatus having an opening therein and a closure for said opening and a circuit breaker for disconnecting said electrical apparatus from said system, an electrical protective system comprising a light sensitive cell mounted in said compartment so as to detect a fault at any part of said apparatus as evidenced by arcing in said compartment, electro-responsive means including a relay coacting with said light sensitive cell for causing tripping of said circuit breaker, and means rendering inoperative said relay when said closure is open.

2,043,100
SELF-SUSTAINING CULVERT
Edward J. Hatch, Creston, Iowa, and Eugene A. Stringer, Omaha, Nebr., assignors to Nebraska Bridge Supply and Lumber Company, Omaha, Nebr., a corporation of Nebraska
Application August 15, 1935, Serial No. 36,426
6 Claims. (Cl. 138—79)



1. A culvert comprising a laminated body of frames, each frame having opposed diagonal corner joints and intermediate square joints and with the diagonal and square corner joints overlapping to offset the planes of meeting of the side portions of the frames and to reenforce the joints against one another throughout the body, and the alternate frames being offset as to their joints with respect to the intermediate frames throughout the body, and sway bracing frames interposed between said first frames for supporting the body against lateral crushing.

2,043,101
METAL SPUT AND METHOD OF ATTACHING THE SAME TO SHEET METAL CONTAINERS
Albert E. Jesser, Vandergrift, Pa., assignor to Pittsburgh Steel Drum Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application October 11, 1933, Serial No. 693,089
11 Claims. (Cl. 29—148.2)



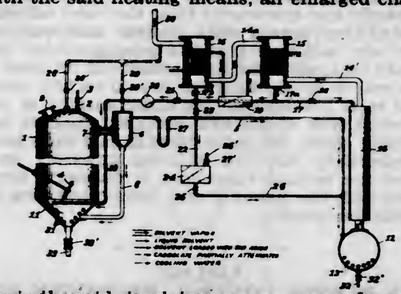
1. The herein described method of forming a connecting joint between a sheet metal container and a metal fitting, consisting in forming the fitting with an annular lip extending from one face thereof and a pair of recesses in said face, one of said recesses extending axially of the fitting and the other laterally of said face; forming an opening in the wall of the sheet metal container with an extending annular lip; entering said container lip in the axial recess of the fitting; forcing the fitting lip outwardly along and into contact with the container wall into overlapping relation with the base portion of said container lip; offsetting a portion of said container wall into the lateral recess of the fitting and forcing the container lip tightly into said axial recess; and forcing the fitting lip into said offset portion flush with the container wall.

2,043,102
PROCESS OF PRODUCING PHENOLS
Ernest B. Kester, Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Gas and Coke Company, a corporation of Delaware
No Drawing. Application March 26, 1934, Serial No. 717,523
33 Claims. (Cl. 260—154)

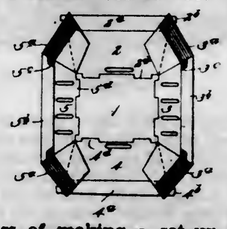
1. A process comprising contacting alkali metal phenolate solution and liquid solvent material selected from a group consisting of solvent material immiscible with the phenolate solution and solvent material partially miscible with said phenolate solution, the said solvent material having a solvent action on phenol and having a boiling range substantially different from that of the phenolic material of the said phenolate in its uncombined state, removing free phenolic material by means of said solvent material from said phenolate solution and continuing the removal until a major portion of the phenolate has been converted into uncombined phenolic material abstracted by solvent, and separating from the solvent for said phenolate the solution of free phenolic material thus formed.

2,043,103
APPARATUS FOR EXTRACTING SUBSTANCES SUCH AS PHENOLIC MATERIALS
Ernest B. Kester, Pittsburgh, Pa., assignor, by mesne assignments, to Koppers Gas and Coke Company, a corporation of Delaware
Application December 8, 1934, Serial No. 756,698
2 Claims. (Cl. 23—267)

1. Apparatus for extracting substances by means of a fluid solvent, the said apparatus comprising a vessel, circulatory means including means adapted to withdraw liquid material from one level in the vessel and including return means adapted to reintroduce a portion of the said liquid material at another level in the said vessel, heating means for the said vessel adjacent the said second level, the said return means being positioned to introduce the liquid material into the said vessel in heat exchange relation with the said heating means, an enlarged chamber in the said circulatory means, means for separately withdrawing liquid from an upper level in the said chamber, and distributing means within the said vessel for separately introducing fluid in finely divided form.

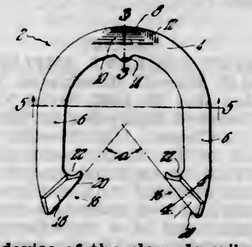


2,043,104
PROCESS OF MAKING A BOX
Elie W. Labombarde, Nashua, N. H.; Frank B. Clancy, Nashua, N. H., adminstrator of said Elie W. Labombarde, deceased
Application October 12, 1932, Serial No. 637,485
1 Claim. (Cl. 93—36)



The process of making a set-up box from a blank consisting in applying adhesive to one of two adjacent portions of the blank; then folding said portions with relation to each other to permit adhesion between them; then waxing the entire blank in flat condition at all exposed portions; and then folding the blank to set-up box form.

2,043,105
GAME DEVICE
Lewis La Voice, Springfield, Mass., assignor of one-half to Earl Rowe, Springfield, Mass.
Application September 26, 1935, Serial No. 42,295
1 Claim. (Cl. 273—106)



A game device of the class described comprising in combination, a substantially U-shaped member having substantially flat upper and lower surfaces and including a semi-circular rear por-

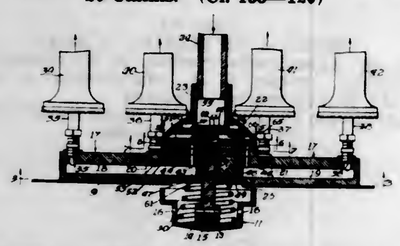
tion and arm portions extending forwardly from opposite ends of the semi-circle, the forward ends of said arm portions being formed to have adjacent substantially vertical edges which converge inwardly and rearwardly from the outer extremities of the forward ends towards said rear portion and said arm portions being provided with hooks on their inner sides which are disposed at the rear of the termination of said vertical edges, and calks provided on the upper surface of said forward ends of the arm portions adjacent said vertical edges, the upper faces of said calks being substantially flat and inclining upwardly away from the vertical edges and in diverging directions with the planes of said faces converging towards one another.

2,043,106

GAS BURNER CONTROL MECHANISM FOR RANGES, STOVES, AND THE LIKE

Henry Lange, Quincy, Ill., assignor to The Quincy Stove Manufacturing Company, Quincy, Ill., a corporation of Illinois

Application July 5, 1932, Serial No. 620,760
20 Claims. (Cl. 158—120)



1. The combination in a gaseous fuel burner control device of a plurality of gas and air mixers, a valve housing, said housing having a port adapted to be operatively connected with a fluid fuel supply pipe, a main valve seat in the housing, said valve seat being in the form of an extended surface provided with a plurality of radially arranged intake ports communicating with passages leading to said fluid fuel burner mixers, a longitudinally shiftable rotary shaft journalled in the wall of the housing centrally of the valve seat, a perforated rotary valve of plate form operatively connected to said rotary shaft and seated upon said valve seat whereby the perforations therein may be brought into registering relation over the intake ports of the valve seat in the housing, a valve indexing plate secured to said rotary shaft, a cooperating indexing pin carried by the valve housing, a hand adjusting device accessibly secured to the said rotary shaft, and elastic means for holding the said rotary valve member upon its seat.

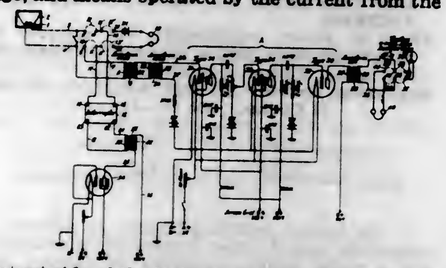
2,043,107

DIRECT CURRENT AMPLIFIER

Paul H. Macneil, Huntington, N. Y.

Application May 20, 1933, Serial No. 672,081
Renewed September 13, 1935
2 Claims. (Cl. 171—95)

1. A device of the character described including means forming an input circuit, said input circuit being provided with a vibrating interrupter having a pair of make-and-break contacts and a primary coil of a transformer in series with said contacts, electrically actuated means for actuating said interrupter, an alternating current amplifier connected to the secondary winding of said transformer, a transformer connected to said alternating current amplifier for reducing the voltage and increasing the amperage, and means operated by the current from the



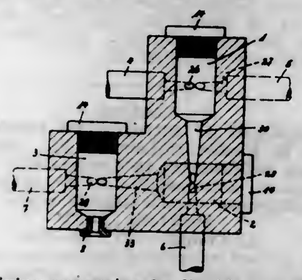
output side of the last mentioned transformer for indicating the amount of current received by said input circuit.

2,043,108

MIXING APPARATUS FOR LIQUIDS

Friedrich Maurer, Cannstatt, Germany, assignor to Paul Lechler, Stuttgart, Germany

Application April 8, 1931, Serial No. 528,675
In Germany April 22, 1930
4 Claims. (Cl. 137—111)



1. A mixing apparatus for liquids comprising a casing with an initial mixing chamber adapted to have a preliminary mixing operation performed therein, a final mixing chamber adapted to receive the mixture from said initial chamber and to discharge it from the apparatus, intermediate mixing chambers the first of which is adapted to receive the mixture from the initial chamber and the last of which is adapted to deliver the mixture to the final chamber, each chamber being adapted to receive mixture from a preceding chamber and to deliver it to a succeeding chamber, and means for supplying a medium to each of said intermediate chambers.

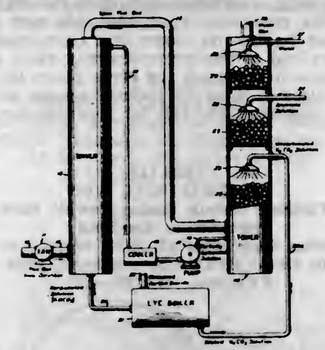
2,043,109

RECOVERY OF CARBON DIOXIDE FROM WASTE GASES

Ralph H. McKee and Ernest A. Winter, New York, N. Y., assignors to Macmar Corporation, New York, N. Y., a corporation of Delaware

Application December 20, 1934, Serial No. 758,500
15 Claims. (Cl. 23—150)

1. In a process of purifying impure carbon dioxide the improvement which comprises separating carbon dioxide from impurities present therewith by absorbing a portion of the carbon dioxide by reacting it with a portion of alkali metal carbonate present in a solution thereof with the consequent formation of an alkali metal bicarbonate and by absorbing another portion of the carbon dioxide by reacting it with ammonia in the presence of water with the consequent formation of an ammonium salt of carbonic acid, and reacting said ammonium salt with unreacted



upon alkali metal carbonate present in said solution thereof to produce a further amount of said alkali metal bicarbonate.

2,043,110

METHOD OF REENFORCING AND SEALING CARTONS AND MATERIALS THEREFOR

William W. McLaurin, Brookfield, Mass.; Old Colony Trust Company executor of will of said William W. McLaurin, deceased

Application April 18, 1931, Serial No. 531,052
6 Claims. (Cl. 91—68)

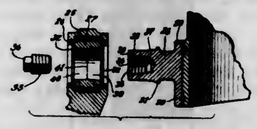
1. An adhesive tape of the character described comprising a strip of sheet material and a normally dry coating of water resistant adhesive on one face of said strip, said coating including a high percentage of asphalt and a sufficient proportion of water soluble glue of animal origin to produce, when moistened, an initial bond between said strip and the article to which the tape is to be applied.

2,043,111

ENGINE

Andre J. Meyer, Detroit, Mich., assignor to Continental Motors Corporation, Detroit, Mich., a corporation of Virginia

Application May 14, 1931, Serial No. 537,275
7 Claims. (Cl. 287—87)



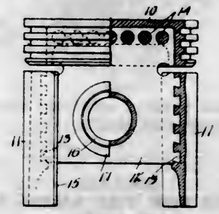
7. In a sleeve valve mechanism for sleeve valve engines in which the sleeve is provided with a driving lug having a ball attached thereto by a releasable joint and a driving member is provided with a socket universally seating the ball, said ball having an axial bore reversely tapered and said lug being tapered to fit one of the tapers of said bore, said releasable joint between the ball and driving lug comprising clamping means cooperating with the other of said bore tapers.

2,043,112

PISTON

Adolph L. Nelson, Detroit, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich.

Application May 27, 1925, Serial No. 33,216
Renewed May 14, 1931
12 Claims. (Cl. 309—13)



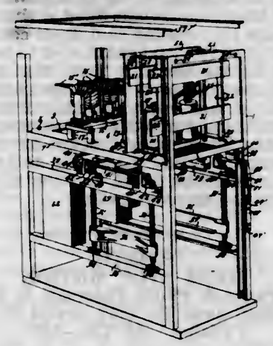
1. A piston comprising a pair of struts, a head having interlocking engagement with said struts, a skirt also having interlocking engagement with said struts, and piston pin bosses on the struts, the pin bosses being separate from the head and skirt except for the connection through the struts.

2,043,113

METAL ENCLOSED SWITCHGEAR

Robert Paxton, Lansdowne, George M. Reed, Yeadon, and Charles H. Hill, Drexel Hill, Pa., assignors to General Electric Company, a corporation of New York

Application September 14, 1933, Serial No. 689,424
6 Claims. (Cl. 175—298)



1. A metal-clad bus and switch unit comprising a stationary supporting frame, and a base plate on which are mounted phase current transformers, stationary disconnect contacts and busbar sections forming with said base plate a subassembly, said base plate mounted on said frame and positioned by dowel pins so as to bear a predetermined space relation to said frame.

2,043,114

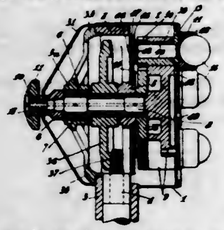
MASSAGE APPARATUS

Maria Rüttger-Pelli, Lucerne, Switzerland

Application June 17, 1933, Serial No. 676,261
In Switzerland January 28, 1933
7 Claims. (Cl. 128—56)

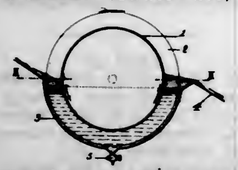
1. A massage device comprising a frame, a shaft rotatably mounted in said frame, a sun gear, means for driving said sun gear, a plurality of rotatable massage element holders carried by said shaft, a planet gear on each holder meshing with said sun gear, means whereby axial dis-

placement of said shaft relative to said frame se-



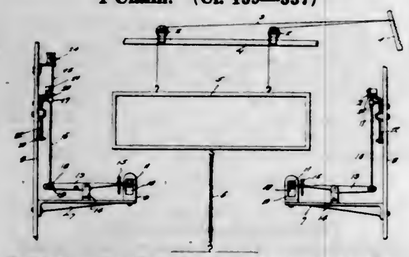
cures said shaft against rotation, and means for axially displacing said shaft.

2,043,115
APPARATUS FOR THE AMALGAMATION OF ORES
Claude Joseph François Philly, dit de Philly, Le Genest, France
Application July 26, 1934, Serial No. 737,078
In France March 19, 1934
9 Claims. (Cl. 209—205)



1. Apparatus for extracting precious metals from ores in a container by amalgamation, comprising at least one trough filled with mercury, a shaft, means for rotating said shaft continuously, a drum mounted on said shaft so as to be partially immersed in the mercury bath, blades fixed on said drum and disposed in planes perpendicular to the axis of said drum, the said drum and the said blades being formed of a material which is not wetted by mercury, and means for feeding the ores between the drum, the blades, and the trough from the side of the drum, and the blades penetrating into the mercury bath.

2,043,116
LOOM STOP MOTION
Pasquale Piatti, Paterson, N. J.
Application June 12, 1935, Serial No. 26,253
1 Claim. (Cl. 139—337)



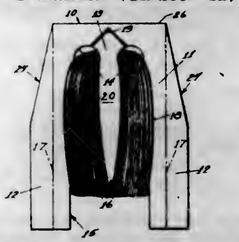
In a stop motion for looms, an inwardly extending bracket connected to a side of the loom, an elongated member arranged at right angles to the bracket and having an intermediate part connected with the inner end of the bracket, said member having upstanding end portions provided with longitudinally extending slots, a lever arranged above the bracket and pivotally supported therefrom, a cross piece having an intermediate part connected with the inner end of the lever, with the ends of the cross piece passing into the slots, a vertically arranged rod supported for sliding movement from said side part of the loom and having its lower end connected with the outer end of the lever, whereby when a harness frame drops upon the cross piece, the lever will be tilted to raise the rod and means actuated by said raising of the rod for stopping the loom.

2,043,117
CENTRIFUGAL GUN
Baden Fletcher Smyth Baden-Powell, Riverhead, Sevenoaks, England
Application September 23, 1935, Serial No. 41,819
In Great Britain November 2, 1934
7 Claims. (Cl. 89—10)



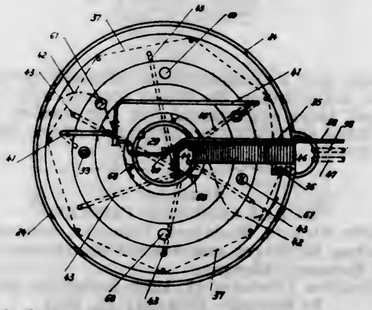
1. A centrifugal gun comprising, at least one rotary barrel, a rotary chamber concentric with the axis of rotation of said barrel, said chamber having a circular wall, having a tangential gap in the said circular wall to form the breech and having one of its sides open, a stationary plate on the open side of said chamber having an opening therein at the side of said interior wall through which projectiles can be deposited laterally in said chamber directly against its circular wall, and a pusher fixed on said plate adjacent to one end of the opening therein and adjacent to said interior wall, said pusher being adapted to retain the projectiles stationary while the said chamber rotates whereby the projectiles are guided by the said interior wall and are directed into the breech.

2,043,118
PACKAGE FOR STRAND MATERIAL
William C. Protz, Manitowoc, Wis., assignor to National Tinsel Manufacturing Company, Manitowoc, Wis., a corporation of Wisconsin
Application June 27, 1934, Serial No. 732,705
6 Claims. (Cl. 206—51)



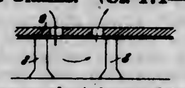
6. A card adapted for use in packaging strands of fragile material in a box or like container comprising means for looping said strands adjacent one end of said card, the free ends of said strands extending toward the opposite end of said card, and means adjacent the latter end of said card to spread said strands for display, said means being located inwardly a sufficient distance from the end of said card to prevent mashing of said strands at the end of said card between the card and the adjacent portion of the box or like container.

2,043,119
SLUDGE DIGESTION TANK
Max Prüss, Essen-on-the-Ruhr, Germany
Application November 29, 1933, Serial No. 700,303
In Germany December 3, 1932
11 Claims. (Cl. 210—2)



2. A sludge digestion tank and a cover for said tank, said cover adapted to float upon the level of the sludge in said tank and composed of a floating body deeply immersed in said sludge, said floating body being disposed to leave free a sufficiently large surface for free de-gassing, said large surface being closed gas-tight by parts of said cover, a heating pipe carried by said cover, said heating pipe being mounted eccentrically on said cover, and a contrivance associated with said cover for imparting horizontal rotary movement thereto.

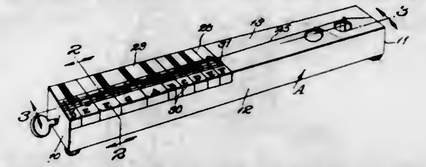
2,043,120
COOLING THE INDUCTORS OF TURBO-GENERATORS
Franklin Punga, Darmstadt, and Hermann Roos, Allensbach-on-the-Bodensee, Germany
Application September 10, 1934, Serial No. 743,466
In Germany September 30, 1933
13 Claims. (Cl. 171—252)



1. In a dynamo-electric machine having an external stator and a rotor within the stator, said rotor being provided with slots, coils carried in the slots of said rotor, said slots being larger than the coils thereby providing cooling air channels, means for drawing cooling air from the space between stator and rotor into the rotor slots at one point and for sending the air back to the said space at an axially spaced point after cooling the rotor coils whereby the cooling air moves inwardly and axially before being expelled outwardly.

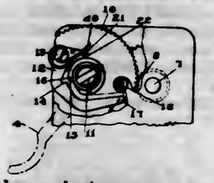
2,043,121
MUSICAL INSTRUMENT
William J. Quensere, Camden, N. J.
Application March 4, 1935, Serial No. 9,327
1 Claim. (Cl. 84—294)

In a musical instrument, a hollow body of elongated formation and of uniform size in cross section throughout its length, said body having a top provided with a pair of spaced openings close to one end of the body, a tuning key rotatably fitted in the other end of the body, a plurality of perforated partitions arranged superposed with relation to each other within the body and extending crosswise of the latter, a bridge peg fixed to the bottom of the body and passing



through the partition and one of the pair of openings to be exposed above the top of said body, and a string having one end adjustable on the tuning key and the other end fixed to the body at its end next to said pair of openings and bridged by said peg.

2,043,122
FIRE ALARM DEVICE
Curt J. Rohland, Seekonk, Mass., assignor to Signal Engineering & Manufacturing Company, New York, N. Y., a corporation of Massachusetts
Application October 30, 1931, Serial No. 572,100
6 Claims. (Cl. 185—37)

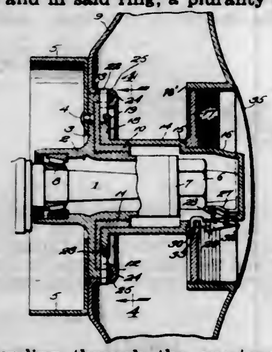


1. In an alarm device, an actuating mechanism for the code sending element of a despatching mechanism, a gear connected to said actuating mechanism for energizing the latter in response to rocking movement of said gear, a manually actuated lever, a shaft to which said lever is secured, the latter being turnable in response to actuation of the lever, a link carried by said gear, cooperating teeth on said link and shaft for interengagement whereby turning movement of the gear is procured in response to movement of the lever, means acting on said link independently of said lever for releasing the connection between said teeth after the lever has been moved a predetermined amount in one direction even though said lever is still held manually, and means for maintaining said link and lever in disconnected relation independently of the position of the lever until the actuating mechanism has substantially completed its operation.

2,043,123
DEMOUNTABLE WHEEL
Daniel Slick, Superior, Wis.
Application August 14, 1935, Serial No. 36,191
5 Claims. (Cl. 301—9)

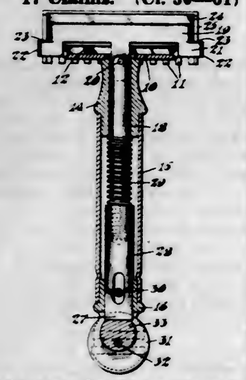
5. In a demountable wheel, the combination with an axle spindle, of an axle skein rotatably mounted thereon and having a radial web terminating in a laterally extending annulus concentric to said skein and provided with radial apertures, a wheel having a rear hub part mounted on said skein and an annular grooved part fitting over said annulus, said grooved part having radial apertures therein complemental to the apertures in said annulus and said wheel also having a front hub part, and means for locking said

annular grooved part over said annulus and including, a ring threaded into said front hub part, a cylindrical shell rotatably mounted on said rear hub part and in said ring, a plurality of locking



bolts extending through the apertures in said grooved part and annulus, respectively, and movable to ineffective positions by rotation of said shell relative to said wheel, and cooperating locking devices on said shell and ring.

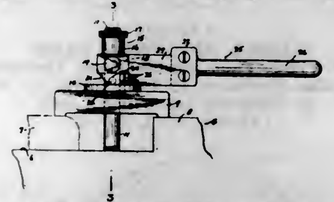
2,043,124
SAFETY RAZOR
Theodore L. Smith, Concord, and Nicholas Testi, Boston, Mass., assignors to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application September 9, 1935, Serial No. 39,682
17 Claims. (Cl. 30—61)



1. A safety razor having a convex guard member, concave cap sections co-operating therewith to flex a blade thereon and mounted for bodily movement toward and from the guard and also pivotal movement to cover or uncover the guard, a spring acting at all times to close the cap sections and move them into blade-flexing position, and positively acting means for retracting the cap sections and opening them in opposition to the action of the spring.

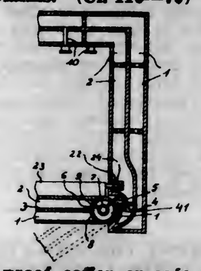
2,043,125
CLAMPING DEVICE
Frank E. Stahl, Tonawanda, N. Y., assignor to Columbus McKinnon Chain Corporation, Tonawanda, N. Y., a corporation of New York
Application August 18, 1934, Serial No. 740,523
3 Claims. (Cl. 77—63)

1. The combination with a jig, of clamping means, comprising a clamp bolt carried by the jig, a clamping plate and a clamping washer carried by the bolt, a knurled adjusting nut carried by the upper end of the bolt, a trunnion block rotatably mounted upon the bolt and arranged between the clamping nut and the



washer, and a clamping lever pivotally mounted upon the trunnion block and formed with cam-shaped faces engageable with the washer, said nut being adjustable independently of the clamping lever.

2,043,126
BURGLARPROOF COFFER
Charles Stengel, Budapest, Hungary, assignor to Istvan Wittinger and Szilard Stankovits, both of Budapest, Hungary
Application February 17, 1932, Serial No. 593,599
In Hungary February 20, 1931
8 Claims. (Cl. 116—70)

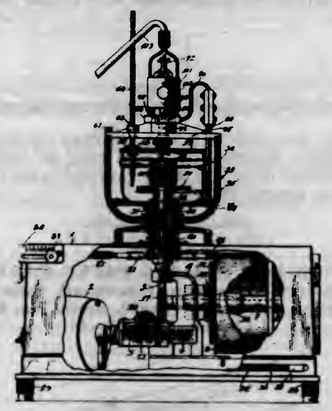


1. A burglar proof coffer or safe having two non-communicating fluid-containing chambers extending over the whole area thereof, means adapted to cooperate with a pumping mechanism for placing the fluid contents of each chamber under a pressure different from the pressure in the other chamber, alarm apparatus adapted to operate when the pressure in said chambers is altered, a piping system connecting said coffer with said alarm apparatus, said system comprising a conduit connecting one of said chambers with said apparatus, and piping extending through said conduit and connecting the other chamber with said apparatus.

2,043,127
TESTING DEVICE FOR LIQUIDS
Elton S. Stephens, Chicago, Ill., assignor to Consistometer Corporation, Chicago, Ill., a corporation of Illinois
Application April 7, 1931, Serial No. 528,285
3 Claims. (Cl. 265—11)

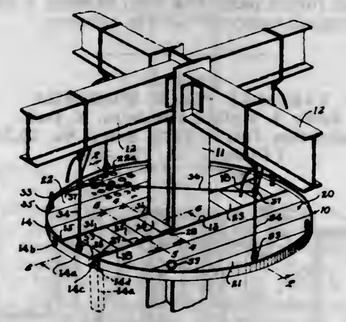
3. A lubricant testing device of the character described comprising a yieldable movable container for lubricant to be tested, means for resisting the movement of said container, a pair of testing discs in said container and having co-operating testing surfaces distorted a predetermined amount at room temperature and made of material so that the surfaces will tend to become planar at the desired operating temperature, one of said discs being operatively connected with

said container, means for driving the other disc, means for varying the temperature, and means



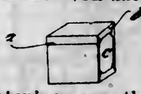
operatively connected with said container for automatically indicating the friction between the discs at various temperatures.

2,043,128
SCAFFOLD FOR STRUCTURAL WORKERS
Cyril D. Sutton, Buffalo, N. Y., assignor of one-sixth to Charles A. Miller, one-sixth to Ivan H. Culp, one-sixth to Henry E. Cormier, one-sixteenth to Edward Pringle, all of Buffalo, N. Y.
Application June 4, 1934, Serial No. 728,815
5 Claims. (Cl. 304—13)



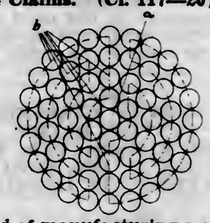
1. A scaffold of the character described including a platform having a permanent deck formed with a substantially centrally located opening which is adapted to accommodate a vertical structural member when the scaffold is arranged in position and being formed with a passage which leads from the margin of said platform to said opening, whereby said platform may be moved laterally to position said member in said opening, a floor section carried by said platform which is movable to cover the greater part of said passage when said member occupies said opening, an auxiliary floor section which is movable to cover the remainder of said passage, said auxiliary section being available to increase the size of said opening when necessitated by the use of the platform in connection with a larger structural member and means for supporting said platform at a determined height with respect to said first mentioned member.

2,043,129
DEVICE FOR RIPPING OPEN PAPER ENVELOPES
Anna Dora Thieme, Hanover, Germany, assignor to the firm H. Bahlsen's Keksfabrik A. G., Hanover, Germany
Application November 28, 1934, Serial No. 755,172
In Germany November 29, 1933
1 Claim. (Cl. 229—51)



A device for ripping open the paper wrapping of cartons in the form of prisms, for example, four-sided prisms, by means of a ripping tab, characterized by the feature that the ripping tab is formed by picking up the surface of the wrapping paper and nipping it, and that the wrapping paper is wrapped around the carton in such a manner that the tab extends downwards from the top edge of the front of the carton, the ends of said tab being folded round the sides and covered by the parts of the wrapping paper which are folded downwardly from the top of the carton.

2,043,130
METHOD OF MANUFACTURING STRANDED CONDUCTORS
Carl Traugott, Oldenburg, Germany, assignor to Norddeutsche Seekabelwerke Aktiengesellschaft, Nordenham, Germany
Application May 25, 1934, Serial No. 727,551
In Germany June 21, 1933
4 Claims. (Cl. 117—20)

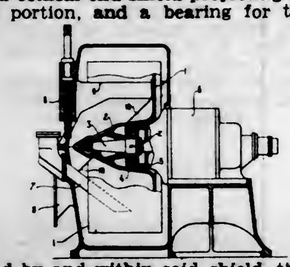


1. A method of manufacturing a stranded electric conductor of the re-entrant type comprising a plurality of individual insulated wires in a stranding machine having bobbins which pay out the individual wires, consisting in moving the bobbins relatively to one another during the stranding operation in such a manner that the cross-sections of the individual wires, when regarding a series of successive cross-sections of the finished stranded conductor, follow one another side by side without crossing one another cyclically along a closed curve in constant sequence through the entire cross-sectional area of the stranded conductor.

2,043,131
HORIZONTAL CENTRIFUGE
Pieter van Riel, Delft, Netherlands, assignor to Naamlooze Vennootschap Machinefabriek Reineveld, Delft, Netherlands, a manufacturing company of the Netherlands
Application November 22, 1932, Serial No. 643,945
In the Netherlands November 26, 1931
2 Claims. (Cl. 233—23)

1. In a horizontal centrifuge, a basket having a horizontal axis and having a recessed portion in one wall closed against the interior of the basket, a power shaft passing into and through said recess to provide the axis of the basket, an electromotor of which said power shaft is the

armature shaft, said motor having a casing including a conical end shield projecting into said recessed portion, and a bearing for the shaft

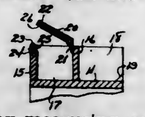


supported by and within said shield, the center of gravity of the basket under all conditions being within said bearing.

2,043,132
SAUSAGE MAKING PROCESS
Charles H. Vogt, Philadelphia, Pa., assignor to Modern Food Process Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application April 21, 1934, Serial No. 721,828
4 Claims. (Cl. 99—109)

1. The method of making sausages which consists in molding a meat mixture into the form of a sausage, exposing the surface of the molded sausage to the atmosphere to form a protective membrane on the molded unit, smoking the sausages, and then reinserting the sausages in the molds, closing said molds to protect the sausages from contact with the cooking medium, and subjecting the sausages in the mold to a cooking temperature while their external surfaces are in contact with the walls of the molds.

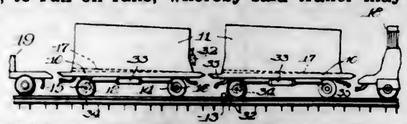
2,043,133
CLOTH DISPLAY MEASURING AND CUTTING DEVICE
Claude E. Walter, Viola, Wis.
Application July 15, 1935, Serial No. 31,531
1 Claim. (Cl. 164—83)



A cloth display measuring and cutting device comprising a stand, a shelf built in the stand at the top thereof, a vertical wall rising from the shelf at the front of the stand and having a knife guide in the top edge thereof coextensive with said shelf, a lid hinged to the stand and adapted to be brought to rest on said vertical wall and having a knife receiving slot confronting said knife guide, a hand knife free of said stand and insertable through the slot and guide for severing material when overlying the guide and interposed between it and said lid, the lid having an inwardly tapered channeled seat for the guide, and a tapered edge on said guide corresponding to the tapered channeled seat for engagement in the latter when the lid is at rest upon said vertical wall.

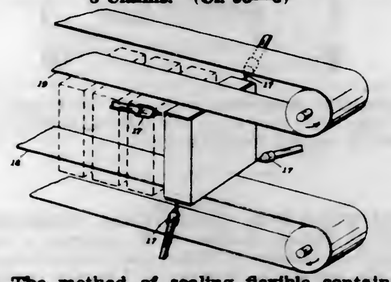
2,043,134
RAIL-HIGHWAY VEHICLE
Ernest Wanamaker, Chicago, Ill.
Application December 22, 1933, Serial No. 703,579
11 Claims. (Cl. 105—215)

1. A rail-highway trailer comprising a body having wheels at one end in substantially fixed relation thereto, to run on the ground and wheels at the other end in substantially fixed relation thereto, to run on rails, whereby said trailer may be



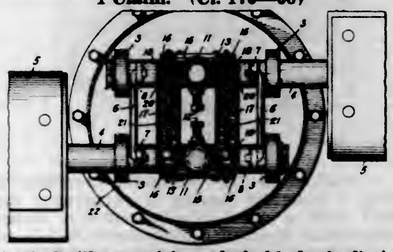
pulled in one direction as a highway trailer, with its forward wheels lifted, and may be pulled in the opposite direction as a railroad trailer, with its other wheels lifted.

2,043,135
METHOD FOR SEALING PAPER CARTONS
Albert Wesselman, Cincinnati, Ohio
Application November 4, 1932, Serial No. 641,198
8 Claims. (Cl. 93—6)



1. The method of sealing flexible containers comprising folding parts thereof upon one another for effecting a substantial closing of the container whereby crevices are developed adjacent the folded parts and then blowing a sealing and plugging material into the crevices.

2,043,136
VARIABLE PITCH WINDMILL
Eddie J. Weible, Hillsboro, N. Dak.
Application July 8, 1935, Serial No. 30,357
1 Claim. (Cl. 170—68)



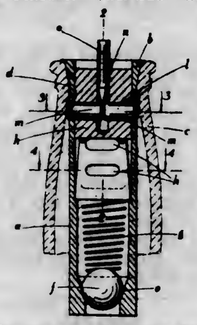
A windmill comprising a hub, blade shafts journaled to the hub in parallel relationship and on opposite sides of the hub shaft, links pivotally connected to said shafts and each having a compound curve and crossing one another to cause said shafts to turn in unison, blades secured to said shafts, sleeves integral with said shafts and extending at right angles thereto, weights slidably received by said sleeves and adjustable endwise thereof, means for adjustably securing said weights to said sleeves and acting as stops for limiting the movement of the weights towards each other, cylinders adjustably and pivotally connected to one of the sleeves, plungers pivotally and adjustably connected to the other sleeve and slidably received in the cylinders, and coil

springs interposed between the plungers and the cylinders for cooperating with the weights in forming a governor mechanism to vary the pitch of the blades in accordance with the speed of rotation of the latter.

2,043,137
METHOD OF TREATING COTTON FABRIC AND PRODUCT
Clarence B. White, Montclair, N. J., assignor to Wm. E. Hooper & Sons Company, Baltimore, Md., a corporation of Maryland
No Drawing. Application September 14, 1933, Serial No. 689,434
5 Claims. (Cl. 91—68)

1. A cotton fabric having its fibers coated with cupric sulphide combined with cellulose, constituting part of said fibers, the coating also including a sugar selected from the group consisting of corn syrup, glucose or invert sugar to prevent oxidation of the cupric sulphide.

2,043,138
NONREFILLABLE BOTTLE
John Thomas Amy Willcox, Le Haguais, Samares, George Pooley, Avonwich, St. Clements, and Hugh Maratelli Bonnaud, La Mare, Samares, Jersey, Channel Islands
Application August 29, 1935, Serial No. 38,448
In Great Britain November 9, 1934
6 Claims. (Cl. 215—29)

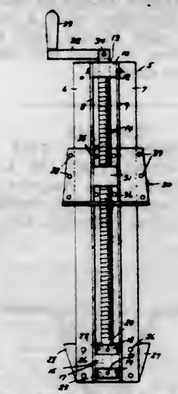


1. Means for preventing re-filling of those bottles having necks gradually contracted upward; including a cylindrical body constructed and arranged to be inserted within and fit the neck of the bottle and formed to provide baffles and a valve seat, an upwardly opening valve mounted upon said seat, and means for locking the body within the contracted neck of the bottle including a plurality of radially movable pins carried by the body and movable into position against the inner surface neck below the contraction of the neck and means insertible into the body and positively holding the pins from retraction after they are once projected.

2,043,139
PROCESS FOR MAKING BAKED GOODS FOR DIABETICS
Karl Wille and Eugen Fritsch, Duisburg, Germany, assignors to firm Rosing-Muhlen Aktiengesellschaft, Duisburg, Germany
No Drawing. Application August 7, 1935, Serial No. 35,200. In Germany April 20, 1932
2 Claims. (Cl. 99—90)

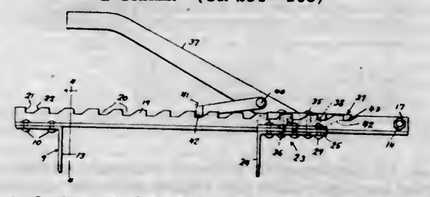
2. A method of making baked goods for diabetics consisting in first fermenting a mixture of de-oiled grain germs, yeast, acid and water for about 24 hours at a temperature of about 30° C., then continuing the fermentation for three to four days at a temperature of 15 to 17° C., thereupon adding fresh germs and yeast and fermenting the mixture for four to five hours at a temperature of 30° C. adding more germs and sufficient water to form a semi-solid dough and finally after a short fermentation baking the dough.

2,043,140
EXPANDING AND CONTRACTING DEVICE
John A. Wilmesherr, Cuba, Mo.
Application March 28, 1935, Serial No. 13,509
1 Claim. (Cl. 254—100)



An apparatus of the class described comprising a frame composed of spaced parallel members L-shaped in vertical cross section, a block secured adjacent one end of the frame between said members to the opposed flat sides thereof, said block having a longitudinal bore therein, a similar block secured to the frame in the same manner inwardly of the other end of the frame and being provided with a longitudinal bore therein, a screw having unthreaded portions journaled in said bores of said blocks, a handle on said screw, an internally threaded T-shaped block threaded on said screw and slidable between said members, an L-shaped support having one leg secured to the cross member of the T-shaped block and being slidable on the outer surfaces of one of the legs of the L-shaped members, a second L-shaped support slidable on the opposite surfaces of the aforementioned leg, said L-shaped supports extending beyond the free ends of the frame members and spacer members disposed between and secured to said support.

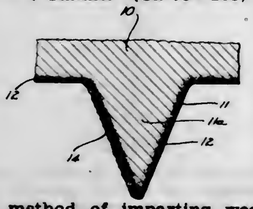
2,043,141
EXPANDING DEVICE
John A. Wilmesherr, Cuba, Mo.
Application May 13, 1935, Serial No. 21,257
1 Claim. (Cl. 254—108)



A device of the class described comprising a frame including upstanding spaced longitudinal-

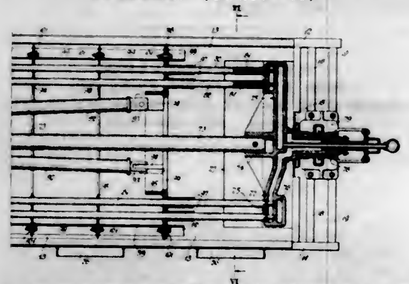
ly extending members provided with spaced longitudinal notches therein, a laterally extending stationary work engaging member secured to said frame, an L-shaped movable work engaging member one leg portion of such member being slidable against said frame, a pair of spaced blocks secured to the aforementioned leg portion of the L-shaped movable work engaging member and extending between the longitudinal members of the frame, a handle pivotally mounted between said blocks, an operating dog pivoted to said handle and normally engaging the longitudinal notches on the frame member, said handle being swingable to operatively engage said operating dog with said notches and thereby move said movable member longitudinally relative to said stationary member, and a retaining dog pivoted between said blocks and normally engaging said notches to hold the position of the L-shaped movable member.

2,043,142
METHOD OF IMPROVING THE WEAR RESISTANT QUALITIES OF A BODY
John A. Zublin, Los Angeles, Calif.
Application December 9, 1935, Serial No. 53,621
7 Claims. (Cl. 76—108)



1. The method of imparting wear resistant qualities to a steel cutter for a well drilling bit, comprising the steps of increasing the carbon content of the surface of the cutter without final heat treatment, then welding tungsten carbide to said cutter by incipient fusion of the steel cutter and at a temperature above brazing, and then finally heat treating the carbon increased surface.

2,043,143
APPARATUS FOR DRYING OR COOLING MATERIALS
Orlin S. Anderson, Cleveland, and Raymond T. Anderson, Berea, Ohio, assignors to The V. D. Anderson Company, Cleveland, Ohio, a corporation of Ohio
Application January 7, 1935, Serial No. 776
25 Claims. (Cl. 257—79)



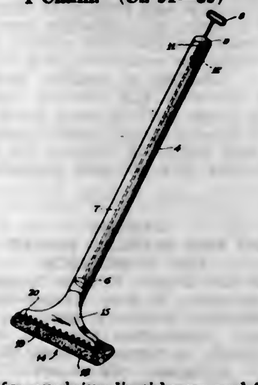
9. In combination with an enclosing casing; a head located within the casing adjacent one end thereof and mounted for rotation, said head having inlet and exhaust passages formed therein; a cage of pipes secured to said head, communicating with said passages and extending longitudinally within the casing; a series of scrapers mounted for movement over said pipes; a plurality of scoops interconnecting said scrapers; and means connected to at least one of said scrapers for imparting movement thereto longitudinally of the casing, and likewise imparting rotary movement to the cage of pipes and the head to which they are secured.

2,043,144
JAR OPENER
Albert Argauer, Buffalo, N. Y.
Application July 1, 1935, Serial No. 29,340
1 Claim. (Cl. 81—3.1)



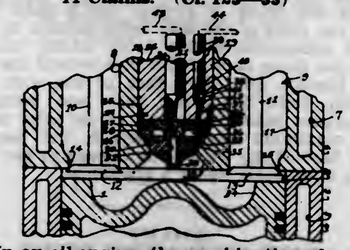
A jar opener comprising a flat elongated bar having a handle end, a block fastened to the said bar opposite the handle end and having a serrated edge for engaging a jar cap, a substantially triangular shaped member arranged suspended from the same side of the bar as the said block and having a cam edge laterally offset from the bar, gripping teeth formed on said cam edge, a loop member bridging said bar and having its ends engaged in said member for slidably connecting it with the bar, and a finger rest formed on said member directly rearwardly of and at an angle to the toothed cam.

2,043,145
LIQUID WAXING DEVICE
Charles Bacher, New York, N. Y.
Application January 14, 1935, Serial No. 1,787
1 Claim. (Cl. 91—39)



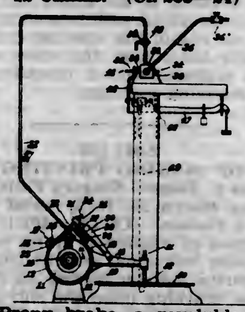
A device for applying liquid wax and for polishing with the same, comprising a hollow handle, a hollow distributing head at the lower end of the handle and adapted to receive liquid wax therefrom, said distributing head having a series of apertures extending substantially the length thereof, an elongate block transverse to said handle and fitted into said head and having a flat bottom, a polishing pad secured to said block and adapted to receive the wax from the apertures in the head, a valve normally closed and adapted to retain the wax in said handle, means whereby said valve may be opened, said valve being adjacent the bottom of the handle and said means comprising a stem secured to said valve and extending thru the top of the handle, and a spring holding said valve closed.

2,043,146
INTERNAL COMBUSTION ENGINE
William M. Baumheckel, Connersville, Ind.
Application April 27, 1933, Serial No. 668,202
11 Claims. (Cl. 123—33)



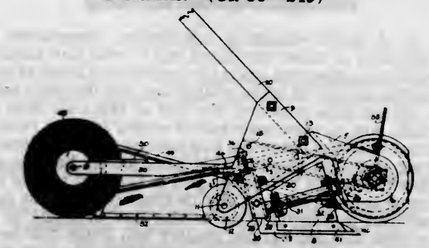
1. In an oil engine, the combination of a cylinder and a piston operable therein, an injector having its discharge end subjected to the heat of combustion in the combustion space, a mixing chamber and passage means therein, means to deliver a charge of oil into said mixing chamber, means including said piston to simultaneously deliver a charge of air through said passage means from said combustion space, into said mixing chamber, means to inject said charge of oil and said charge of air through said passage means into said combustion space, and means to inject air thereafter, into said combustion space through at least a portion of said passage means, whereby to clear the passage means.

2,043,147
PRONY BRAKE
Napoleon Santino Bestoso, Holbrook, Mass., assignor to Boston Gear Works, Inc., North Quincy, Mass., a corporation of Massachusetts
Application January 10, 1936, Serial No. 58,493
12 Claims. (Cl. 265—24)



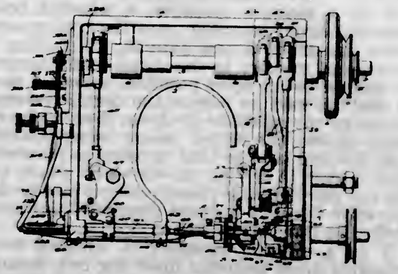
1. In a Prony brake, a revoluble cylindrical member; brake shoes pivoted together and surrounding the periphery of said revoluble member; a spring for separating said brake shoes; an arm extending outwardly from one of said brake shoes; a bar pivoted at one end to said arm; a connection between the other brake shoe and the outer end of said bar; means for moving said bar about its pivot by fluid pressure; a contact member on the outer end of said arm; a weighing scale upon which the contact member acts; and means for controlling the fluid pressure by the operation of said scale.

2,043,148
LAWN EDGER
Emile L. Blondeau, Houston, Tex.
Application June 14, 1932, Serial No. 617,111
9 Claims. (Cl. 56—249)



1. A lawn edger including a traction wheel, a drive shaft rotated thereby, a frame supported on said shaft and perpendicular thereto, a rearwardly and downwardly extending driven shaft operatively connected with said drive shaft, a rotating cutter fixed to said driven shaft and tapered rearwardly from said drive shaft, a stationary blade cooperating with said rotating cutter, and means to propel said wheel and frame.

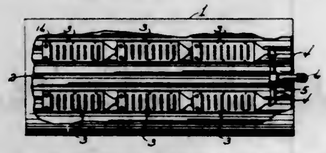
2,043,149
SEWING MACHINE
Howland F. Briggs, Buffalo, N. Y., assignor to Consolidated Packaging Machinery Corporation, a corporation of New York
Application September 19, 1933, Serial No. 690,053
10 Claims. (Cl. 112—200)



1. In a sewing machine for forming a double-thread interlocked chain stitch, a needle adapted to carry a thread and to be reciprocally moved to pierce the material being sewn with said thread at stitching intervals, a looper mounted for motion both along and about an axis extending parallel to the direction of movement of the material being sewn, said looper being curved radially with respect to said axis, and actuating means for said looper adapted to cause it to move alternately along and about said axis in a closed path in the shape of an oval with a flattened end, the movement across said flattened end being timed

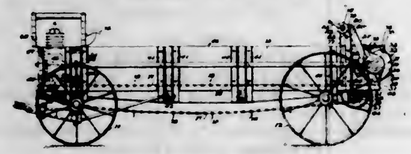
to occur as the needle and looper co-operate to form a stitch whereby substantial movement of said looper is avoided as the stitch is being formed.

2,043,150
BOILER CLEANER
Lucian Clark Brown, La Feria, Tex.
Application December 4, 1934, Serial No. 755,973
2 Claims. (Cl. 122—389)



1. A boiler-cleaning apparatus comprising a plurality of boxes arranged end to end and adapted to be supported upon the uppermost flues of the boiler, a slotted scum collecting top on each box, a steam pipe entering the top at the rear end of each box, a valve controlled outlet for the frontmost box, the rearmost box having an imperforate rear end and each of the other boxes having an opening in its rear end, and a tapered nozzle on the front end of each box having the smallest end secured in the opening in the box in front of it so that the discharged matter will enter the next forward box with considerable velocity which will carry it well forward of the steam entering that box.

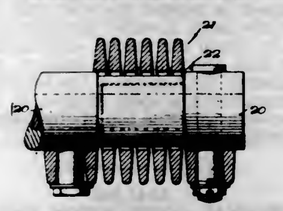
2,043,151
MANURE SPREADER
Leon A. Button, New Berlin, N. Y.
Application October 15, 1935, Serial No. 45,127
8 Claims. (Cl. 275—5)



1. In a manure spreader, a wheeled box, a rotatable drum mounted upon the box, means to drive the drum, a tail gate for controlling the passage of manure to the drum and adapted to be shifted to an open position, conveyor means to feed the manure toward the drum, and means driven by the rotatable drum for driving the conveyor means, the driven means being connected with the tail gate so that it becomes inoperative with respect to driving the conveyor means when the tail gate is in the closed position and becomes operative for this purpose when the tail gate is shifted to the open position.

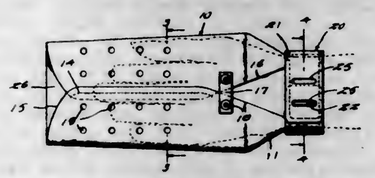
3. In a manure spreader, a wheeled box, a rotatable drum mounted upon the box, means to drive the drum, a tail gate for controlling the passage of manure to the drum and adapted to be shifted to an open position, conveyor means to feed the manure toward the drum, pawl and ratchet mechanism for driving the conveyor means and including a swinging lever, an eccentric driven by the drum and adapted to move the swinging lever, a spring connected with the lever to move it toward the eccentric, a bar pivotally connected with the lever and having a notch, a stationary guide for the bar having a part to enter the notch when the notch is moved toward said part, and means connecting the bar and tail gate.

2,043,152
SPRING
Raymond W. Cook, Bristol, Conn., assignor to Wallace Barnes Company, Bristol, Conn., a corporation of Connecticut
Application April 24, 1933, Serial No. 667,744
2 Claims. (Cl. 267—1)



1. A torsional coil spring formed from a strip of wire having substantially the same cross-section throughout its length, the wire of the spring coil being of greater width than thickness, the sides of the wire being defined by elongated substantially flat faces which converge from the inner face of the wire toward the outer face thereof, the inner face of the wire being broader than the outer face and being flat throughout substantially all of its area to provide maximum bearing surface, the narrower outer face of the wire being curved to give minimum fiber stress under a given load.

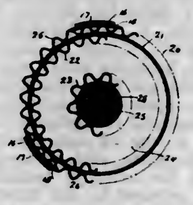
2,043,153
HAND RESTRAINING DEVICE
Elmer F. Cox, Minneapolis, Minn.
Application May 21, 1935, Serial No. 22,625
1 Claim. (Cl. 128—133)



A hand restraining device as set forth comprising a member open at each end and constructed of a single sheet, being shaped in substantially elliptical form with the free edges overlapping each other, means for securing the overlapping edges together, a tapered upper portion carried by the member provided with an opening on the back side to freely admit air into the upper end of the member, a substantially straight wrist band secured to the upper end of the tapered portion provided with free ends and a ring carried by one end of the wrist band and extending angularly therefrom, the other end of the band being provided with a plurality of spaced apart ring receiving openings.

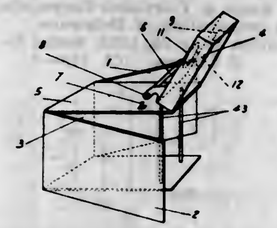
2,043,154
METHOD OF MAKING PRINTING ROLLERS
Samuel F. Damm, Niagara Falls, N. Y.
Application March 20, 1935, Serial No. 11,990
3 Claims. (Cl. 101—401.1)

1. A method of making printing rollers, comprising cutting individual designs from a supply sheet, preparing a roller having an outer corrugated sleeve, marking upon the corrugations the contour of the individual designs, routing the corrugations to the depth required to bring the printing surface of the design pattern coincident



with the printing circumference of the roller, and placing and securing the designs in the recesses.

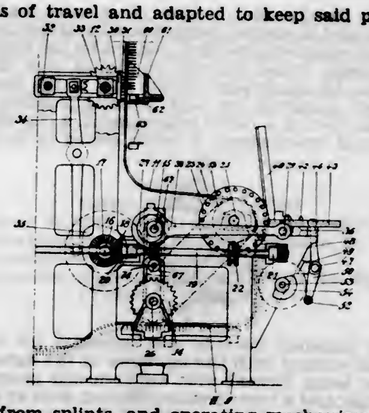
2,043,155
CINEMATOGRAPHIC VIEW TAKING CAMERA
André Léon Victor Clément Debrie, Paris, France
Application November 1, 1934, Serial No. 751,073
In France November 7, 1933
7 Claims. (Cl. 88—16.2)



1. A sound-proof camera comprising a camera mechanism including film reels, a motor and an object glass, a case of sound damping material constituted by a rigid assembly rigidly secured to the mechanism body and forming a rear, an upper and a lower wall, a front wall hingedly secured to the front of the upper wall and side walls hingedly secured to the sides of the rear wall, sound insulating means for securing permanently said mechanism to the rigid assembly of said case and control and supervision parts for the mechanism including a knob and magnifying glass for focusing the object glass and all carried by the rear wall of the case and adapted to rotatively control the mechanism in a sound proof manner.

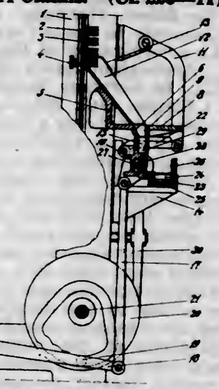
2,043,156
MATCHMAKING MACHINE
Paul Wilhelm Dietmann, Jonkoping, Sweden
Application August 8, 1934, Serial No. 739,042
In Sweden August 23, 1933
22 Claims. (Cl. 226—11)

1. In a match making machine having box filling attachments, the combination of a splint magazine, a travelling match splint conveyer having holders to receive match splints, said holders being arranged in longitudinal and transversal rows with respect to the direction of travel of the conveyer, a reciprocating setting mechanism situated below said magazine and adapted to receive succeeding rows of splints therefrom and to insert said splints into the holders of the conveyer, a mechanism for ejecting the finished matches from said conveyer, said setting mechanism and said conveyer forming a plurality of match splint travelling paths between said magazine and said ejecting mechanism, splint actuating members insertable into some of said paths of travel and adapted to keep said paths



free from splints, and operating mechanism for periodically making said members operative.

2,043,157
COLLECTING DEVICE FOR MATCHMAKING MACHINES
Paul Wilhelm Dietmann, Jonkoping, Sweden
Application January 2, 1935, Serial No. 160
In Sweden February 8, 1934
14 Claims. (Cl. 226—11)



1. In a match-making machine having travelling match splint carrier bars to support rows of splints in spaced relation to each other and an ejecting mechanism for discharging the finished matches from said carrier bars, the combination of a row of substantially vertical cells having a width less than the length of the matches; and a row of funnels positioned above said cells for catching the matches discharged from said carrier bars and for guiding them down into said cells, a part at least of each funnel being periodically movable to such a position that matches sticking in the funnels lose their support.

2,043,158
DIRECTION INDICATOR
Harry L. Eats, Duquesne, Pa.
Application September 12, 1932, Serial No. 632,825
Renewed November 18, 1935
1 Claim. (Cl. 200—59)

A direction indicator control comprising a base plate having means for mounting it on the steering column of a motor vehicle in axial coincidence

with the column, a pair of arcuate segments arranged in spaced complemental relation to each other, an insulating disk carried by the base, the segments being disposed on top of said disk, a collar for application to the hub of the steering wheel mounted on said steering column, the collar having a radial enlargement, a cup carried by said enlargement, a brush seated in said cup



and impelled towards said segments for superficial contact with the top faces of the same, the base being formed with an upturned peripheral flange, and a cover member formed with an opening through which the hub of the steering wheel passes, the cover telescoping and interlocking with said flange and completely enclosing said collar and enlargement.

2,043,159
PRODUCTION OF CONDENSATION PRODUCTS

Karl Eisenmann, Ludwigshafen-on-the-Rhine, Erich Scholz, Leipzig, and Karl Wolf, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Unyte Corporation, New York, N. Y., a corporation of Delaware

No Drawing. Application March 18, 1933, Serial No. 661,572. In Germany March 26, 1932
4 Claims. (Cl. 260—3)

2. The process of producing a resinous condensation product from a methylol compound of a urea which comprises subjecting a methylol compound of a urea to an acid condensation in a distillable mono-hydric alcoholic solvent with a polyhydric alcohol fatty acid ester at a temperature between about 50° and about 150° C., said distillable solvent and said ester each being present to the extent of at least 50% of the weight of said methylol compound, said methylol compound being soluble in the distillable alcoholic solvent under the reaction conditions, at least one hydroxyl group of the polyhydric alcohol radical of said ester being unesterified and the fatty acid radical thereof containing at least 10 carbon atoms, then neutralizing the reaction mixture, expelling the solvent and heating the remaining resinous product to between about 80° and 130° C. until it has become soluble in aromatic hydrocarbons.

2,043,160
SELF-STARTING SYNCHRONOUS MOTOR

Clark Finch, West Palm Beach, Fla.

Application July 21, 1934, Serial No. 736,419
3 Claims. (Cl. 172—275)

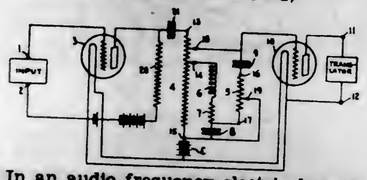


1. In a motor of the class described, a cylindrical field ring, a case fitted within said cylindrical field ring and having a marginal flange bearing against one end of the cylindrical field ring, a rotor rotatably mounted within the case, the rotor comprising a predetermined number of radiating segments, a ring of magnetic material carried by and bridging outer ends of the segments, the cylindrical field ring comprising a plurality of offset oppositely extending curved arms of magnetic material conforming to the contour of said rotor, a ring of non-magnetic material surrounding the arms and secured to the same for supporting the arms in assembled relation, magnetic lugs secured to the inner face of said cylindrical field ring at diametrically opposite points, and an energizing coil extending diametrically through said cylindrical field ring with its ends contacting with said lugs whereby magnetic impulses will be passed through said lugs for actuating said rotor.

2,043,161
TONE CONTROL SYSTEM FOR ELECTRICAL SOUND REPRODUCTION

Dudley E. Foster, Marion, Ind., assignor to United States Radio & Television Corporation, Marion, Ind., a corporation of Delaware

Application June 20, 1933, Serial No. 676,644
5 Claims. (Cl. 179—1)

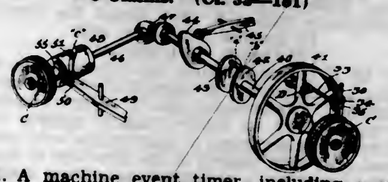


1. In an audio frequency electrical system, in combination, a source of electrical oscillations, a circuit through which said oscillations are passed a portion of said circuit being shunted by a series resonant circuit tuned to a middle register frequency, volume control means for picking off a potential from the first mentioned circuit including the voltage drop through the portion of said first circuit which is shunted by said resonant circuit and the voltage drop through a selected additional portion of said first circuit, and means for selectively destroying the resonant character of said resonant circuit.

2,043,162
MACHINE EVENT TIMER

Harry Clark Foster, Alton, Ill.

Application June 16, 1933, Serial No. 676,177
8 Claims. (Cl. 32—181)



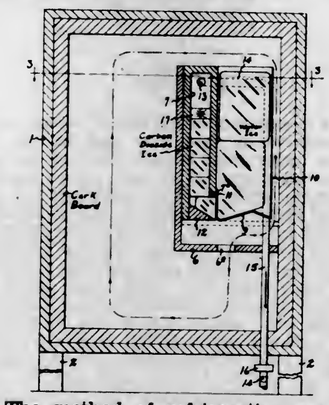
1. A machine event timer, including a substantially circular casing for removable attachment to a rotatable element of a machine in position with the casing axis approximately parallel with the axis of the rotatable element, said casing having a transparent peripheral edge wall therearound concentric with the casing axis and provided with a scale thereon and therearound divided into degrees for a complete circle, said transparent scale carrying peripheral edge wall

visually unobstructed completely therearound from the exterior of the casing, a gravity controlled and held member within the casing rotatably mounted on an axis coincident with the casing axis, said member being held by gravity against rotation during rotation of the casing and scale thereon by said rotatable element and being provided with a reference mark thereon in position registering with the scale and visible for reading from the exterior of the casing through said transparent scale carrying peripheral edge wall of the casing.

2,043,163
REFRIGERATING APPARATUS AND METHOD

Justus C. Goosmann, Mount Vernon, N. Y., assignor, by mesne assignments, to Adico Development Corporation

Application October 6, 1931, Serial No. 567,149
14 Claims. (Cl. 62—91.5)



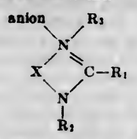
12. The method of refrigerating a confined space which comprises employing water ice within the space so as to be exposed to the convection currents therein, confining carbon dioxide ice so as to be substantially heat insulated from the water ice, and effecting heat exchange between a limited portion of the area between the water ice and carbon dioxide ice.

2,043,164
BASIC IMIDAZOLE COMPOUNDS WHICH ARE USEFUL TEXTILE ASSISTING AGENTS AND PROCESS OF MAKING SAME

Charles Gränacher, Basel, Switzerland, assignor to "Society of Chemical Industry in Basle", Basel, Switzerland

No Drawing. Original application April 20, 1933, Serial No. 667,133. Divided and this application September 10, 1934, Serial No. 743,483. In Switzerland April 27, 1932
11 Claims. (Cl. 260—44)

6. The water-soluble derivatives of the imidazoles of the general formula—

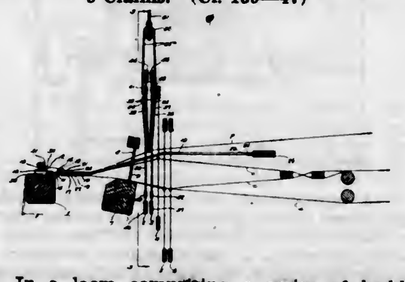


wherein x stands for a ring of the benzene and naphthalene series, R_1 stands for an aliphatic radicle consisting itself of at least 3 carbon atoms, R_2 and R_3 stand for a member of the group consisting of alkyl and benzyl, which products, in the form of the salts which they form with acids, constitute colorless to light colored powders which dissolve in water to form solutions having strong capillary active properties.

2,043,165
DOUP HEDDLE LOOM

William H. Hall, Jr., Trenton, N. J., assignor to Thermoid Rubber Company, Trenton, N. J., a corporation of New Jersey

Application September 2, 1933, Serial No. 688,019
5 Claims. (Cl. 139—47)

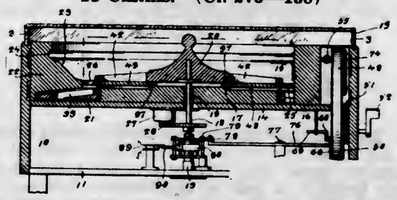


1. In a loom comprising a series of heddle frames, the combination therewith of a series of stationary pile wires extending through the heddle frames, a series of doup heddles respectively associated with and normally disposed above the pile wires, a pair of actuating heddles operatively connected to each doup heddle and to a pair of said heddle frames respectively, a pair of cams having alternating and relatively staggered dwell and active cam surfaces alternately raising and lowering said pair of heddle frames to lower the doup heddles first on one and then on the opposite side of the respectively associated pile wires, and a cam having active cam surfaces coinciding respectively with each of the active frame raising cam surfaces of the first said cams for raising the doup heddles after each lowering thereof, and idling surfaces coincident with the active frame-lowering cam surfaces of the first said cams to permit said heddle frames to lower said doup heddles without interruption by the doup heddle raising means.

2,043,166
AWARD DISPENSING MACHINE

Percy T. Hart and Fielding J. Glaser, New Orleans, La.; said Glaser assignor to said Hart

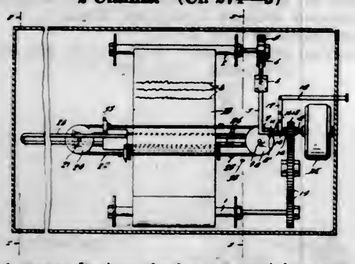
Application February 14, 1935, Serial No. 6,547
13 Claims. (Cl. 273—138)



1. In a machine of the character described, comprising a carrier movably supported, delivering means directed to one area of the carrier for dispensing articles from the same, means for the delivery of an article from the carrier to the delivering means and automatically operated by

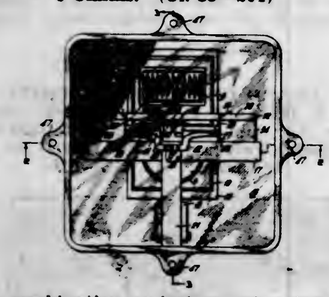
a travelling object sent into the machine, means for pocketing the object, means for discharging the object from the pocket and means for bringing the object to a position to be sent.

2,043,167
APPARATUS FOR REPRODUCTION OF SOUND
Jesse Martin Hatfield, Cabincreek, W. Va.
Application August 3, 1935, Serial No. 34,641
2 Claims. (Cl. 274—5)



1. A reproducing device comprising an elongated sheet having sound images arranged thereon in transverse rows, a carriage carrying sound reproducing means, a pair of pulleys arranged adjacent the sides of the sheet, a belt passing over the pulleys, means for connecting the carriage to one reach of the belt for moving the carriage across the sheet in one direction, and then to connect the carriage with the other reach of the belt to move the carriage across the sheet in an opposite direction, such means including means for disconnecting the carriage from the belt at the end of each stroke of the carriage, means for rotating one of the pulleys and means for moving the sheet.

2,043,168
COMBINED GYRO-COMPASS AND ARTIFICIAL HORIZON
Clinton H. Havill, South Orange, N. J., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application October 19, 1932, Serial No. 638,608
6 Claims. (Cl. 33—204)



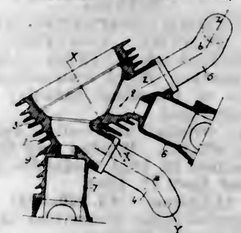
6. In combination, an instrument casing adapted for mounting on a substantially vertical instrument panel and having a cover-glass at the front thereof, a pair of gyroscopes mounted in said casing with their spin axes horizontal and vertical, respectively, gimbals in said casing and carrying said gyroscopes for simultaneous movement of their spin axes about two mutually perpendicular horizontal axes, means for maintaining the spin axes of said gyroscopes horizontal and vertical, respectively, and for causing the axis of the horizontal gyroscope to align itself parallel with the plane of the meridian, thereby making the vertical gyroscope function as a gyro vertical and the horizontal gyroscope as a true meridian-seeking compass, and indicating means directly controlled by said gyroscopes and viewable through the cover-glass of the casing for indicating the true meridian and the true horizontal plane.

2,043,169
TIRE SPREADER AND RIM REMOVER
Paul E. Hawkinson, Minneapolis, Minn., assignor to Paul E. Hawkinson Company, Minneapolis, Minn., a corporation of Minnesota
Application November 14, 1935, Serial No. 49,750
5 Claims. (Cl. 157—6)



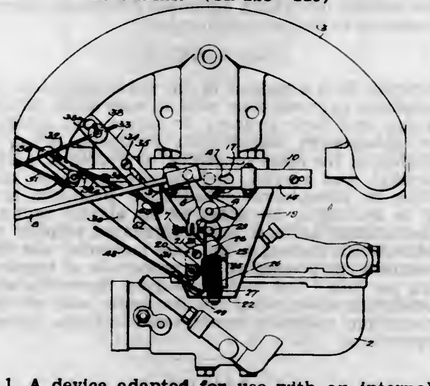
1. In a tire manipulating device, a base, a lower head mounted on said base and having radial arms, an upper head axially aligned and cooperatively associated with said lower head and having radial arms, tire-engaging lugs independently and slidably mounted on the arms of said upper and lower heads, and a power device anchored to said base in axial alignment with said upper and lower heads and operative to force the former away from the latter, said upper head being reversible and provided with a long axially projecting hub, said power device including an axially movable piston which in one position of said upper head is engageable directly with said upper head and in the inverted position of the latter is directly engageable with the axially projecting hub thereof.

2,043,170
AIR COOLED ENGINE
Jean Heinrich, Paris, France, assignor to Société des Moteurs Salmson, Paris, France
Application November 8, 1934, Serial No. 752,141
In France November 28, 1933
2 Claims. (Cl. 123—171)



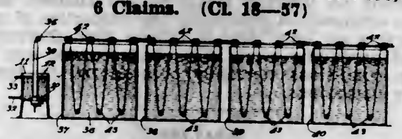
1. In an air-cooled internal combustion engine, a cylinder, only one admission neck and only one exhaust neck on the cylinder head, an extension formed on said head and constituting a thermal screen between said necks, and cooling fins on said head having portions directed substantially at right angles to the axis of said cylinder on the side of said cylinder head opposite that of said admission neck and portions extending in the space between said exhaust neck and said admission neck so as to form continuous channels surrounding substantially said exhaust neck on all sides for deflecting the streams of cooling air through the space between said necks.

2,043,171
MOTOR VEHICLE APPLIANCE
William Henry, Philadelphia, Pa.
Application June 18, 1932, Serial No. 618,053
12 Claims. (Cl. 123—119)



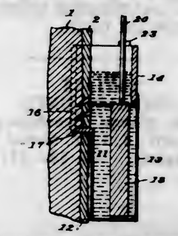
1. A device adapted for use with an internal combustion engine having a fuel intake manifold and a fuel admission throttle, comprising means for admitting a fluid medium to said manifold between the throttle and the engine, means for normally maintaining said throttle in a predetermined position for idling operation of said engine, means for moving said throttle from said predetermined position to a substantially closed position and vice versa, manually operable means for simultaneously controlling both said fluid medium admission means and said throttle moving means, to permit closing of said throttle and opening of said fluid medium admission means, and manually operable means for actuating said fluid medium admission means.

2,043,172
METHOD OF PRODUCING CELLULOSE ARTICLES
Alfred G. Hewitt, Chicago, Ill., assignor to The Visking Corporation, Chicago, Ill., a corporation of Virginia
Application November 19, 1930, Serial No. 496,779
6 Claims. (Cl. 18—57)



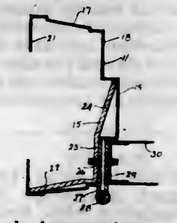
1. A method of forming seamless cellulose tubing which comprises extruding viscose in tubular form into an extrusion bath comprising a solution of a plurality of compounds, one of said compounds being primarily a coagulating agent and the other of said compounds being primarily a regenerating agent, using the latter in sufficient concentration to mainly regenerate the material as a result of its passage through the extrusion bath, passing the tubing over a carrier element disposed above the extrusion bath and serving to effect flattening of the tubing, and discharging the trapped gases through the extrusion end of the tubing.

2,043,173
METHOD OF AND APPARATUS FOR COLLECTING MATERIAL EXUDING FROM TREES
Alex H. Holman, Pelham, Ga., assignor of one-tenth to John B. Cullen, Washington, D. C.
Application October 1, 1935, Serial No. 43,984
14 Claims. (Cl. 47—10)



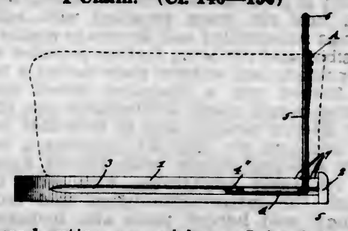
2. The method of collecting oleo-resinous material from trees which comprises cutting an incision in the trunk of a tree, and covering the incision with a body of water to exclude air therefrom, thereby enhancing the flow of material therethrough.

2,043,174
ENTRANCE ENCLOSURE STRUCTURE
Ludwig G. Jacobson, Jamestown, N. Y., assignor to Dahlstrom Metallic Door Company, Jamestown, N. Y., a corporation of New York
Application August 13, 1932, Serial No. 628,700
4 Claims. (Cl. 189—46)



1. In a knock down entrance enclosure frame for receiving and supporting a door, a jamb, a reinforcing plate, means on said plate, said means being snapped into engagement with certain of the flanges of said jamb to frictionally support said plate, said plate serving to engage and support an element of door hardware.

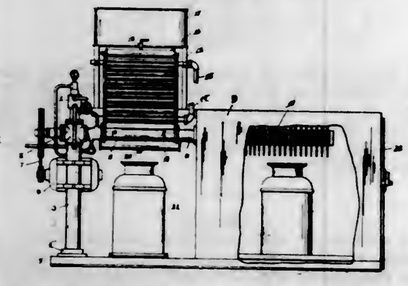
2,043,175
SLICING DEVICE
Milton Johnson, Port Orchard, Wash.
Application May 2, 1934, Serial No. 723,602
1 Claim. (Cl. 146—150)



A bread cutter, comprising a flat substantially rectangular base which has an upstanding ledge at one of its ends, and having its sides from said

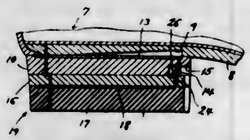
ledge grooved longitudinally for the major portion of its length, and a knife guide formed from a spring wire member to include an arched top, parallel ends depending from the top and providing upright guides for the knife, said guides having inwardly directed ends which are formed with parallel spring arm extensions that are received in the grooves of the base and which spring arms have outstanding lateral ends, all as and for the purpose set forth.

2,043,176
COOLING UNIT
Maxwell R. Karge, Brockport, N. Y.
Application April 16, 1932, Serial No. 605,683
7 Claims. (Cl. 62—141)



1. A cooling unit for cooling liquids comprising a refrigerating unit, a cooling compartment, a tubular evaporator projecting from said refrigerating unit into said cooling compartment with a section of said tubular evaporator exposed between said refrigerating unit and means for directing a continuous flow of the liquid to be cooled into and out of thermal contact with the exposed portion of the evaporator for precooling.

2,043,177
DETACHABLE HEEL LIFT
John Kekoni, Anchorage, Alaska
Application September 4, 1935, Serial No. 39,129
5 Claims. (Cl. 36—42)



5. In a structure of the class described, a relatively fixed heel ply, an adapter plate mounted thereon, said adapter plate being provided with a plurality of guide and anchoring fingers, the associated heel ply being provided with enlarged openings surrounding said fingers to render them accessible, said ply being further provided with a keeper notch, said adapter plate having a flexible tang formed with a depending detent movably mounted in said notch, a detachable heel lift disposed directly beneath and in separable contact with said heel ply, said lift including a permanently attached hanger plate having apertured lugs releasably engageable with said fingers through the instrumentality of said enlarged openings, said hanger plate also including an upstanding shank having a cam-shaped head projecting into said notch and releasably connected with said detent.

2,043,178
DYE PREPARATION
Wolf Kritchevsky, Chicago, Ill., assignor to Rit Products Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Original application December 9, 1932, Serial No. 646,496. Divided and this application October 7, 1935, Serial No. 43,925
7 Claims. (Cl. 8—6)

1. A home dye composition in solid form comprising an intimate admixture of a normally water soluble dye and a chemical compound corresponding to the general formula

R—CO—NY—R'

wherein R is a radical of the class consisting of aliphatic hydrocarbons with at least eight carbon atoms and their hydroxy or oxygenated sulphur or phosphorus substitution products, R' is a radical of the class consisting of hydrogen, alkyl, aralkyl, and alkylol, and their oxygenated sulphur or phosphorus substitution products, and Y is hydrogen, an alkyl or an alkylol radical, there being at least one oxygenated sulphur or phosphorus radical in the final molecule, said dye composition possessing the properties of imparting an "oily" feel to fabrics dyed therewith and producing even, level shades under any of the conditions normally encountered in home dyeing operations.

2,043,179
DYE PREPARATION
Wolf Kritchevsky, Chicago, Ill., assignor to Rit Products Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Original application December 9, 1932, Serial No. 646,496. Divided and this application October 7, 1935, Serial No. 43,926
10 Claims. (Cl. 8—6)

1. A home dye composition in solid form comprising an intimate admixture of a normally water-soluble dye and a chemical compound corresponding to the general formula

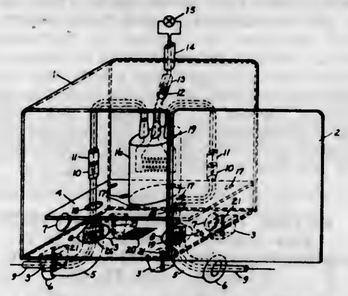
R—CO—O—R'

wherein R is a radical of the class consisting of aliphatic hydrocarbons with at least eight carbon atoms and their hydroxy and oxygenated sulphur or phosphorus substitution products, R' is a radical of the class consisting of alkyl, aralkyl, and alkylol, and their oxygenated sulphur or phosphorus substitution products, there being at least one oxygenated sulphur or phosphorus group in the final molecule containing an hydroxy group or salt thereof, said dye composition possessing the properties of imparting an "oily" feel to fabrics dyed therewith and producing even, level shades under any of the conditions normally encountered in home dye operations.

2,043,180
SAFETY COIL BOX
Victor A. La Fave, Rantoul, Ill.
Application January 31, 1935, Serial No. 4,331
2 Claims. (Cl. 247—1)

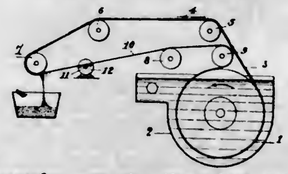
1. An electric junction box, comprising a casing having a wall door providing access to the interior, each of two walls of the casing having a threaded aperture therethrough, a partition shelf of insulation material within the casing, a pair of tubular bodies each adapted to be threadably engaged at one end in a threaded aperture, means forming a lead-off for a current carrying line leading out of the casing, and a pair of conical centrally apertured hoods each

adapted to cover one of said threaded openings upon and bear against the inside of the casing



wall and to encircle and snugly engage a current carrying line entering through the aperture.

2,043,181
ENDLESS CONVEYER BAND FILTER
Marcel Lamort, Vitry-le-Francois, France, assignor to E. et M. Lamort Fils, Vitry-le-Francois, France, a company
Application March 2, 1934, Serial No. 713,769
In France March 3, 1933
7 Claims. (Cl. 92—36)



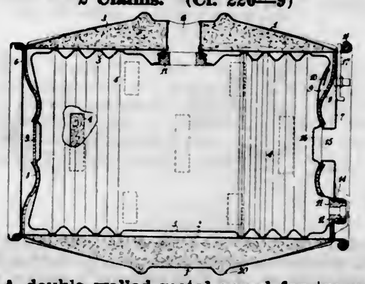
1. Process for removing the caked residue from cellular filters for paper pulp and the like in the form of an endless band of metal gauze, comprising vibrating the said band.

2,043,182
DUPLICATING SALES PAD
Edward Z. Lewis, Evanston, Ill., assignor to General Manifold & Printing Co., a corporation of Pennsylvania
Application June 18, 1934, Serial No. 731,171
10 Claims. (Cl. 282—26)



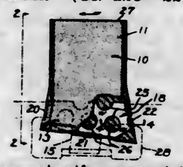
1. A sales pad consisting of an odd number of superimposed slips, separably confined near one edge, all except the last one of which has transfer means on its reverse side, the odd numbered slips being arranged face up and the even numbered slips being arranged face down and having portions extending beyond the margins of the odd numbered slips above the same, whereby said portions may be readily grasped and removed from said pad.

2,043,183
DOUBLE-WALLED VESSEL
Karl Wilhelm Mauser, Waldeck, Germany
Application August 23, 1933, Serial No. 686,451
In Germany June 30, 1933
2 Claims. (Cl. 220—9)



1. A double-walled metal vessel for transporting and storage of beverages comprising an outer vessel having one end opened and the other end closed, a cover for said open end, means on the outer vessel on which it can be rolled, a cylindrical sheet metal wall fixed in the outer vessel at a distance from the wall thereof and having a diameter corresponding with the internal diameter of the open end of said vessel, resilient members at each end of the outer vessel, a removable inner metal vessel of a diameter slightly less than the internal diameter of said open end and held by the sheet metal wall and the resilient members.

2,043,184
ABRASIVE SAW TOOTH
Ralph N. S. Merritt, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application April 23, 1935, Serial No. 17,827
1 Claim. (Cl. 125—22)

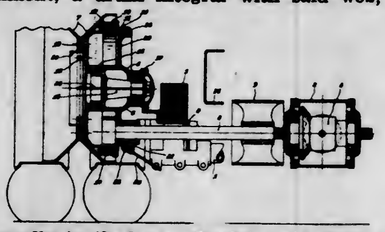


An abrasive saw tooth comprising a molded body of abrasive grains and an organic bond having a base portion adapted for mounting in a support with a grinding portion projecting therefrom, and a thin non-abrasive insert embedded centrally and longitudinally within the tooth, which has faces exposed at the bottom and the sides of the base portion but substantially coextensive with the surface thereof, so that the surfaces of the base portion comprise a central non-abrasive portion flanked by abrasive on each side thereof, whereby said surfaces may serve for mounting the tooth on a support without tending to abrade the same.

2,043,185
REAR AXLE FOR AUTOMOTIVE VEHICLES
Jules Miesse, Brussels, Belgium
Application October 2, 1935, Serial No. 43,235
In Belgium April 11, 1935
6 Claims. (Cl. 180—75)

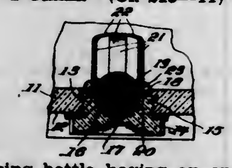
1. In an automotive vehicle, a rear axle formed of two transverse tubes arranged beneath the axis of the wheels, a drive gear supported on the

central portions of said tubes, suspension spring bearings and wheel brackets supported on the outer ends of said tubes, stub axles rotatably mounted on the wheel brackets, a web integral with each stub axle and providing a wheel attachment, a drum integral with said web, an



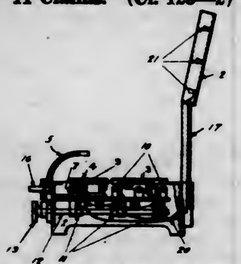
internally toothed gear fixed to said drum, two shafts connected to the central drive unit and extending each on one side thereof, a pinion fixed at the outer end of each of said shafts and in mesh with the said internally toothed gear, the said shafts and pinions being arranged beneath the axis of the wheels.

2,043,186
NURSING BOTTLE
William A. O'Dette, Garden City, Kans.
Refiled for abandoned application Serial No. 723,599, May 2, 1934. This application January 4, 1936, Serial No. 57,600
1 Claim. (Cl. 215—11)



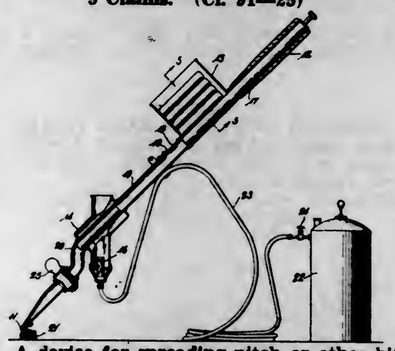
In a nursing bottle having an opening in its bottom and an externally flanged mouth at its top, a nursing nipple engaged with the flanged mouth, a plug removably threaded in the opening in the bottom and having a center vent, a longitudinally split inherently resilient valve cage separably engaged with the plug concentrically of the vent, the said plug having an annular channel, an outturned flange on the cage and received in the channel for the separable interfitting of the cage and plug, and a ball valve loose within the cage and controlling said vent.

2,043,187
ORTHOPEDIC INSTRUMENT FOR THE DETECTION OF FOOT DISORDERS
Charles Owens, Chattanooga, Tenn.
Application September 20, 1934, Serial No. 744,855
11 Claims. (Cl. 128—2)



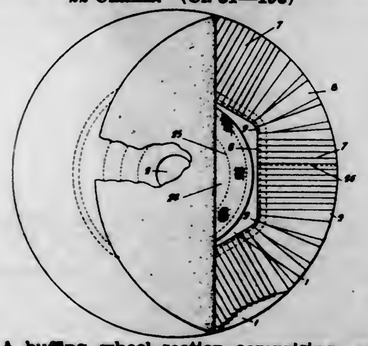
1. In an orthopedic foot disorder detector, a display having various foot disorders exhibited thereon, electrically controlled indicating means for designating said foot disorders independently of each other, foot plates upon which the feet may be superimposed, said foot plates being tiltably mounted to respond to foot disorders, electrical contact points subject to closure by the tilting movement of said foot plates, and electrical connections between said contact points and said indicating means for actuating the indicating means to designate on said display the foot disorder associated with the tilting of the foot plates due to the foot disorder designated.

2,043,188
DEVICE FOR SPREADING PITCH
Max Walten, Washington, D. C.
Application December 11, 1935, Serial No. 53,980
5 Claims. (Cl. 91—25)



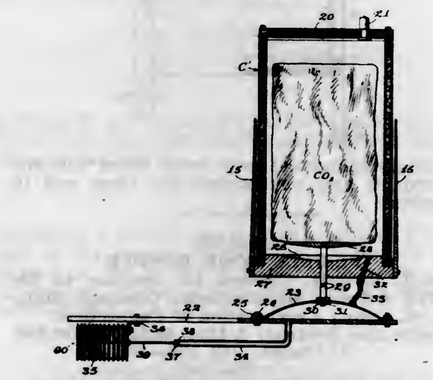
5. A device for spreading pitch or other bitumen, comprising in combination a tubular handle-like member within which solid pitch units may be received and heated to molten condition, means for heating a localized portion of said tubular member, means for retaining a single pitch unit in such position within the heated zone of said tubular member as to subject the pitch unit as an entirety to heat to melt the same for immediate use in molten condition, and a spreader member associated with the device for applying the molten pitch to the surface to be covered.

2,043,189
BUFFING WHEEL
Harry Zimmerman, Toronto, Ontario, Canada, assignor to Beulah Belle Zimmerman, Toronto, Ontario, Canada
Application January 17, 1935, Serial No. 2,196
22 Claims. (Cl. 51—193)



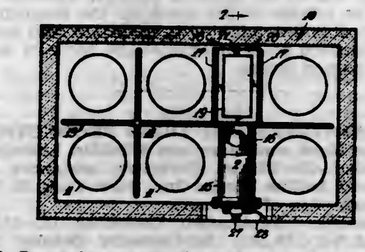
9. A buffing wheel section comprising a plurality of fabric layers, one of the layers being a plain disc, and another layer in the form of a ring spaced away from the centre of the wheel and attached to the plain disc by a plurality of substantially straight lines of stitching positioned in substantial tangential relation to the centre of the ring.

2,043,190
REFRIGERATING APPARATUS AND METHOD
Walter E. Carpenter, Belmar, N. J., assignor, by direct and mesne assignments, to McCabe Maier Corporation, Newark, N. J., a corporation of New Jersey
Application September 10, 1931, Serial No. 562,002
11 Claims. (Cl. 62—91.5)



1. A method of refrigeration which consists in depositing a substantially solid block of carbon dioxide upon a support means of high heat conductivity and preventing heat exchange between said block and the region to be refrigerated except through said conductive means, and automatically reducing the rate of heat exchange between said means and the block, by lifting the block out of engagement with said means when the temperature of the region to be refrigerated has been reduced to a predetermined extent.

2,043,191
REFRIGERATING METHOD AND APPARATUS
Walter E. Carpenter, Belmar, N. J., assignor to The Dickerson Company, Newark, N. J., a corporation of New Jersey
Application July 27, 1935, Serial No. 33,490
12 Claims. (Cl. 62—95)

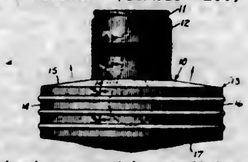


8. In an ice cream storage cabinet, a partition forming evaporator, means cooperating with certain parts of said evaporator to afford a tank and eutectic ice of relatively low melting point in said tank, a second tank arranged within the first and eutectic ice of higher melting point in said second tank.

2,043,192
FLOTATION REAGENT
Ludwig J. Christmann, Jersey City, and David W. Jayne, Jr., Elizabeth, N. J., assignors to American Cyanamid Company, New York, N. Y., a corporation of Maine
No Drawing. Application May 9, 1934, Serial No. 724,760
24 Claims. (Cl. 209—166)

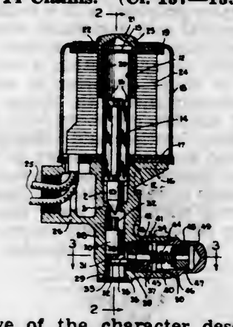
24. A method of flotation which comprises providing a pulp of ore and water, adding thereto a flotation promoter containing a solution of approximately 6% of thiocarbanilid in dicresyldithiophosphoric acid and subjecting the pulp to a froth flotation operation.

2,043,193
LUMINAIR
John Canice Dunn, Port Jervis, and Max Klein, Brooklyn, N. Y., assignors to Gillinder Brothers, Inc., Port Jervis, N. Y., a corporation of New York
Application June 19, 1935, Serial No. 27,334
7 Claims. (Cl. 240—100)



1. A luminair comprising a light source, and an annular one-piece blown glass enclosing globe of substantially uniform thickness throughout, the side walls of the globe having circumferential outwardly projecting ribs of crystal glass and interposed bands of a diffusing nature, the globe having a bottom wall provided with downwardly projecting annular ribs of crystal glass and interspersed areas of a diffusing nature.

2,043,194
VALVE
Lewis W. Eggleston, Detroit, Mich., assignor to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application June 9, 1933, Serial No. 675,048
14 Claims. (Cl. 137—139)



1. A valve of the character described, comprising a casing having a passageway therethrough, a valve member in said casing and controlling flow through said passageway, said valve member having a stem, automatic means cooperable with said stem to move said valve member toward open position, a shaft journalled in and projecting through a wall of said casing, a rotatable member secured on said shaft within said casing and having an inactive position and being operable on rotation to move said valve member

toward open position, and means operable to return said rotatable member to inactive position, said last-named means acting to return said rotatable member upon movement of said valve member by said automatic means.

2,042,195
ELECTRIC HEATER

Frank E. Finlayson, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Application November 11, 1932, Serial No. 642,256
3 Claims. (Cl. 201—63)



1. The method of sealing the terminal end of an electric heater provided with a resistance conductor, a terminal and a metallic sheath incasing said conductor which comprises placing a tubular member over said terminal, said tubular member having a diameter somewhat larger than that of said terminal so that a relatively small passageway is provided between these members, interposing between said tubular member and said sheath a mass of vitreous material, heating to soften said material while said tubular member is opened so as to allow the escape of gas from said sheath, then allowing said vitreous material to cool so that said vitreous material adheres to said tubular member and said sheath and then sealing said tubular member to said terminal.

2,043,196
ELECTRIC HEATER

Frank E. Finlayson, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Original application November 11, 1932, Serial No. 642,256. Divided and this application September 17, 1935, Serial No. 40,899
3 Claims. (Cl. 201—67)



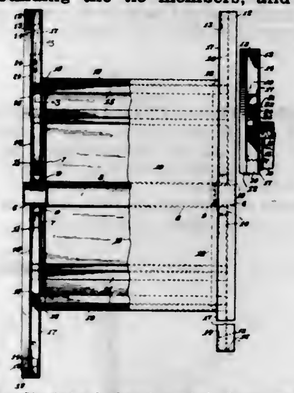
1. The method of sealing the terminal end of an electric heater provided with a resistance conductor, a terminal and a metallic sheath incasing said conductor which comprises placing a metallic tubular member within a second tubular member of larger diameter in substantially concentric relation therewith, filling the space between said tubular members with a vitreous sealing material, heating said vitreous material to soften it and applying pressure to cause it to adhere to said tubular members, assembling said tubular members to said heater so that said terminal is received within the inner tubular member, and then effecting a fluid impervious joint between the outer tubular member and said sheath.

2,043,197
REEL

Anthony Foukal, Cleveland, Ohio, assignor to Truscon Steel Company, Youngstown, Ohio

Application June 20, 1935, Serial No. 27,592
8 Claims. (Cl. 242—77)

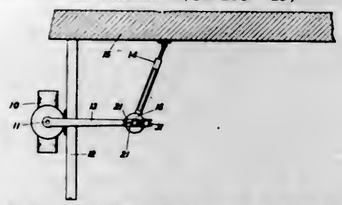
1. A reel for cables and the like comprising a flanged hub member, spaced sets of substantially radial spokes of structural metal welded to the flanges and constituting heads, tie members of structural metal extending across the space between the heads and welded to the spokes, drum supporting bars in the form of rings mounted on and surrounding the tie members, and a substantially cylindrical sheet metal drum wall supported on and surrounding the rings and tie members.



2,043,198
FUSIBLE DOOR HOLDER

Earl L. Heverly, Chicago, Ill., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn., a corporation of Connecticut

Application February 3, 1934, Serial No. 709,606
12 Claims. (Cl. 189—49)



1. A door holding device comprising a pair of arms, a pivotal mounting for said arms, additional means in said pivotal mounting so arranged relatively to said arms that predetermined relative pivotal movement of said arms will act to jam said means and arms about said pivotal mounting so as to maintain them in a door holding position, a lever constituting one of the elements of said additional means and itself held in said frictional jam, means under the influence of the jamming action tending to force said lever laterally out of its jammed position whereby to effect the release of the arms on the mounting, and a fusible link adapted to maintain said lever in its jammed position against the force of said second named means.

2,043,199
AZO DYESTUFFS AND THEIR PRODUCTION

Wilhelm Koch and Hermann Winkler, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

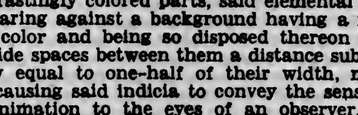
No Drawing. Application December 18, 1934, Serial No. 758,142. In Germany October 31, 1933
7 Claims. (Cl. 260—64.5)

5. Azo dyestuffs, capable of being chromed, of the general formula:

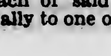
$$(A-N=N-)_nB$$

in which A represents a radicle of the diazo component derived from a compound corresponding to the general formula:

in which X stands for a radicle of the benzene and naphthalene series, the amino and hydroxyl group standing in ortho-position to each other, and in which X is further substituted by at least one negative substituent selected from the group consisting of the nitro group and halogen atoms, B represents a radicle of a coupling component having the general formula:



in which R_1 and R_2 stand for organic radicles selected from the group consisting of aliphatic and aromatic radicles or

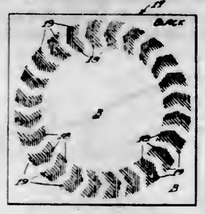


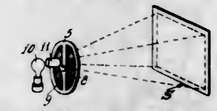
represents a cyclo-aliphatic ring, and one Y in each of the benzene nuclei shown represents a member of the group consisting of hydrogen, a methyl and $-SO_3H$ group, the other Y's being hydrogen and n is 1 or 2.

2,043,200
ANIMATED SIGN AND METHOD OF OPERATING IT

Garrett B. Linderman, Jr., Beverly, N. J., assignor to Varilux Holding Corporation, Limited, Nassau, Bahamas, a corporation of Bahama Islands

Application September 28, 1935, Serial No. 42,683
8 Claims. (Cl. 40—130)



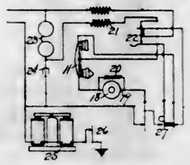


1. In an animated sign, in combination, a sign presenting indicia colored in two contrasting colors, and which are deficient in the distinguishing hues of each other, said indicia comprising a plurality of elemental areas, each elemental area being substantially equally divided into two contrastingly colored parts, said elemental areas appearing against a background having a negative color and being so disposed thereon as to provide spaces between them a distance substantially equal to one-half of their width, means for causing said indicia to convey the sensation of animation to the eyes of an observer, said means comprising a device for projecting light rays of two different colors in rapid succession upon said sign, each of said light rays corresponding substantially to one of the colors of said indicia, said device being operable to alternately flood the entire sign with said light rays at speeds ranging from the speed at which all parts of said indicia tend to manifest themselves as a continuously retained retinal impression, and the speed at which peristence of vision produces a stationary appearance of the indicia.

2,043,201
TELEPHONE TOLL APPARATUS

George A. Long, Hartford, Conn., assignor to The Gray Telephone Pay Station Company, Hartford, Conn., a corporation of Connecticut

Application May 13, 1933, Serial No. 670,928
3 Claims. (Cl. 179—6.3)

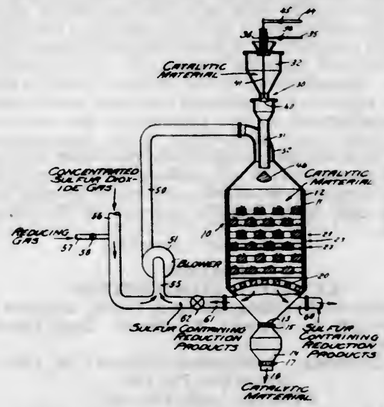


1. The combination in a telephone including a transmitter for voice transmission, a plurality of sound signals for denoting payment for use of the telephone, and a single base of resonant material upon which all of said signals are mounted, of a second transmitter mounted on said single base separate and apart from said signals with the single second named transmitter in resonant connection with all of said sound signals to transmit the sounds thereof.

2,043,202
METHOD FOR REDUCING SULPHUR DIOXIDE

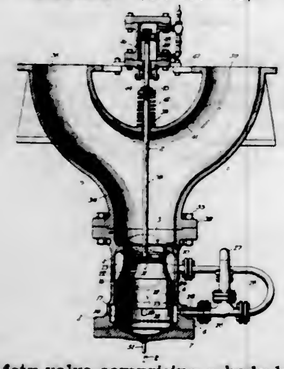
Henry F. Merriam, West Orange, N. J., assignor to General Chemical Company, New York, N. Y., a corporation of New York

Application July 23, 1932, Serial No. 624,180
12 Claims. (Cl. 23—226)



1. In the process for the reduction of sulphur dioxide involving the reaction of sulphur dioxide and reducing agent at elevated temperatures, the improvement which comprises controlling the temperature of the reaction by introducing into the reaction zone at least a portion of the reaction mixture produced in the reaction zone.

2,043,203
FULL AREA SAFETY VALVE
Alfred K. Sorensen, Chicago, Ill., assignor to Crane Co., Chicago, Ill., a corporation of Illinois
Application July 31, 1929, Serial No. 382,298
4 Claims. (Cl. 137—53)

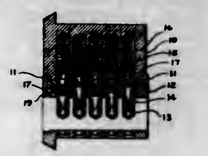


1. A safety valve comprising a body having an inlet and an outlet thereto and being further provided with a valve cylinder therein, a valve seat between said cylinder and said outlet, a hollow differential piston valve mounted for reciprocating movement in said cylinder and having a seating end adapted to engage and close said valve seat, said piston valve being further provided with a reduced portion adjacent its seating end and forming a chamber between the piston and the cylinder wall upon the inlet side of said seat, said chamber being in communication with said inlet, a by-pass from said inlet to the interior of said piston valve subjecting the interior thereof to the inlet pressure, the interior piston area subject to the inlet pressure being greater than the exterior piston area subject to the inlet pressure, an exhaust passage in communication with the interior of said piston valve, and a normally closed pilot safety valve in said exhaust passage subject to the pressure therein and operable to open at a predetermined upper limit of said pressure and to close upon reduction of said pressure to a predetermined lower limit, said exhaust passage discharging to the atmosphere independently of the exhaust through said body, whereby the action of said pilot safety valve is uninfluenced by the pressure in the outlet of said body, said pilot valve being disassociated from said by-pass and controlling only the exhaust passage to the atmosphere, there being constant communication through said by-pass between said inlet and the interior of the piston valve.

2,043,204
LAXATIVE COMPOSITION
Clarence G. Spalding, Milford, Conn., assignor of one-half to George R. Gould, New Haven, Conn.
No Drawing. Application February 20, 1934, Serial No. 712,136
4 Claims. (Cl. 167—56)

1. A composition for increasing peristaltic action, comprising finely divided, dry, solid pectin in an amount sufficient, in a readily administered portion, to promote peristaltic action, the individual particles of the pectin being coated with an inhibitor which inhibits dissolving or swelling of the pectin in contact with the secretions of the mouth or other aqueous liquids.

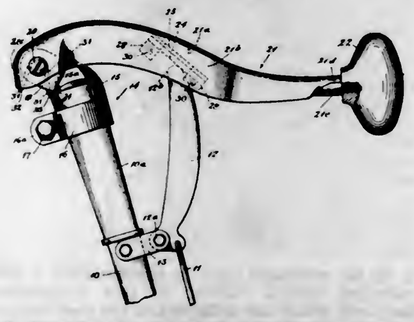
2,043,205
LOCK
Frank E. Thompson, Stamford, Conn., assignor to The Yale & Towne Mfg. Co., Stamford, Conn., a corporation of Connecticut
Application August 19, 1932, Serial No. 629,437
17 Claims. (Cl. 70—47)



1. In a pin-tumbler lock having a cylinder portion, a key plug, aligned tumbler and driver bores in said key plug and cylinder, a tumbler and a mushroom headed driver in said respective bores, said cylinder having a locking groove tangential to the cylinder bore, the head of said mushroom driver being cooperable with said groove.

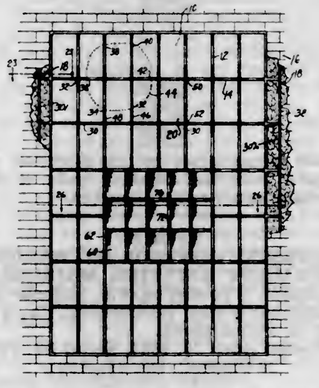
16. In a cylinder pin-tumbler lock, a cylinder having a plug bore, a plug in said bore, aligned tumbler and driver bores in said cylinder and plug, a driver lying normally partially in each of said bores, said driver having a portion thereof cut away so as to permit slight rotation of said plug relatively to the cylinder upon torque being applied to the plug, said cylinder plug bore having a groove in juxtaposed relation to its driver bore and cooperable with a surface of said driver formed by said cut away portion to block complete movement of the driver into the cylinder bore when torque is applied to the plug.

2,043,206
BRAKE LEVER EXTENSION
Gustave F. Bahr, Fairfield, Conn., assignor to Casco Products Corporation, Bridgeport, Conn., a corporation of Connecticut
Application August 1, 1935, Serial No. 34,150
13 Claims. (Cl. 74—479)



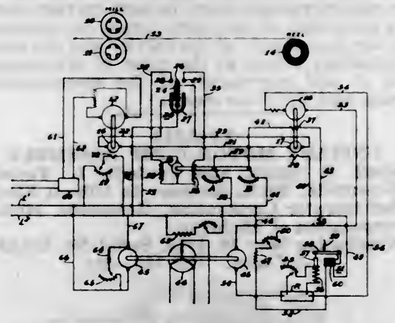
1. An extension for vehicle brake levers having a handle and a brake release grip adjacent thereto, comprising an extension lever; means for mounting the extension lever on the said handle comprising a body portion having ears on which the extension lever is pivotally mounted, straps encircling the handle, means to draw the ends of the straps together to secure the body portion on the handle and a continuation of the body portion extending over the top of the handle and between the ends of the straps to be clamped to the handle by the straps; and means carried by the extension to engage and release the brake release grip when the extension lever is rocked downwardly.

2,043,207
DETENTION WINDOW
William D. Bayley and Elden D. Bayley, Springfield, Ohio, assignors to The William Bayley Company, Springfield, Ohio, a corporation of Ohio
Application February 27, 1932, Serial No. 595,631
37 Claims. (Cl. 189—64)



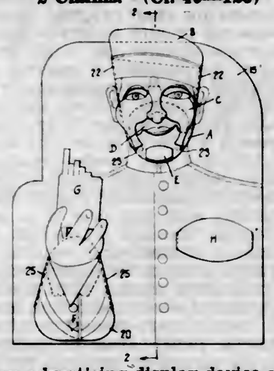
7. In a detention sash assembly, a plurality of transversely arranged muntin bars arranged in interlocked relation, said bars including a body of toolable material and bodies of tool-proof material integral therewith, said tool-proof material extending a short distance from the juncture of said bars.

2,043,208
MOTOR CONTROL SYSTEM FOR COILING MECHANISMS
Donald I. Bohn, Pittsburgh, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application May 31, 1932, Serial No. 614,600
10 Claims. (Cl. 242—75)



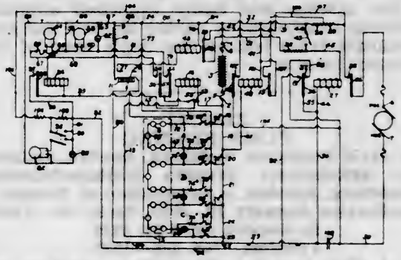
3. An apparatus for processing strip material comprising a feeding mechanism and a coiler mechanism, means for driving the feeding mechanism, an electric motor for driving the coiler mechanism, said electric motor having a field-magnet winding and an armature circuit, means operated by differentiations in the speed of the feeding mechanism and the speed of the coiler mechanism to control the excitation of the field-magnet winding, and means in the armature circuit comprising a generator adapted to provide a constant current to said coiler motor armature.

2,043,209
ADVERTISING DEVICE
Jack Eisner and Samuel G. Hoffman, New York, N. Y., assignors to Graphicut Displays, Inc., New York, N. Y., a corporation of New York
Application September 17, 1935, Serial No. 40,961
2 Claims. (Cl. 40—126)



1. In an advertising display device of the character described, a flat, rigid panel forming the background of the display and having portions of a complete design formed thereon, supporting means for said panel, a plurality of flexible paper elements having other portions of the design lithographed or similarly imposed thereon, said elements being sufficiently stiff to retain a curved shape when bent and supported at spaced points, at least one of said elements being mounted on said panel in curved relation thereto and other elements of different shape and contrasting color as compared to said first-named element being mounted at at least one point upon the first-named element and overlying part but less than the full width of said first-named element, and extending forwardly and spaced from the latter, said overlying elements having outstanding tabs formed therewith and adapted to engage corresponding slots for receiving the tabs, whereby different expressive features may be carried with a background including complementary features, with the former features outstanding not only from the background but also from one another, and without the need for gluing or pasting at the site of use of the display device.

2,043,210
SUPERVISED ELECTRIC ALARM SYSTEM
Harry Campbell Grant, Jr., New York, N. Y., assignor to Walter Kidde & Company, Inc., Bloomfield, N. J., a corporation of New York
Application September 22, 1934, Serial No. 745,091
2 Claims. (Cl. 177—355)



1. In a supervised electric alarm system of the type comprising a plurality of external circuits

connected in series with each other and with an electro-responsive device and a source of electric potential, in which each external circuit has at least one circuit opening means in series therewith and in which deenergization of the electro-responsive device effects actuation of an alarm signal, the combination of an electro-responsive indicating means for each external circuit, each arranged adjacent to and in series with its respective external circuit and with the series arrangement of the plurality of external circuits; whereby certain of the electro-responsive indicating means will be in series between successive external circuits, while all of the electro-responsive indicating means will be in series with all of said external circuits and said electro-responsive device; means to connect each external circuit on its side adjacent its associated electro-responsive indicating means with one pole of a source of electric potential through a current limiting means, means to connect each external circuit on its side remote from its associated electro-responsive indicating means with the opposite pole of said source of electric potential, and means to connect each electro-responsive indicating means on its side remote from its point of connection with its associated external circuit with said opposite pole of said source of electric potential; whereby when a circuit opening means on a particular circuit has opened and the aforesaid connecting means have been actuated, the electro-responsive indicating means of said particular circuit will render a desired indication.

2,043,211

THERAPEUTIC PREPARATION

Lewis E. Harris, Lincoln, Nebr., assignor to Norden Laboratories, a corporation of Nebraska

No Drawing. Application December 24, 1935, Serial No. 56,079

2 Claims. (Cl. 167—68)

1. In a new therapeutic product, a stabilized aqueous solution of calcium gluconate in which the calcium gluconate is in excess of three per cent, the solution containing aluminum chloride as a stabilizing agent.

2,043,212

WELDING

Alwin Krauss, Frankfort-on-the-Main-Griesheim, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application June 19, 1934, Serial No. 731,267. In Germany February 24, 1932

6 Claims. (Cl. 113—112)

1. In the autogenous welding of metals, the new step which comprises using as a fuel an acetylene hydrocarbon of the group consisting of the gaseous and easily vaporized aliphatic acetylene hydrocarbons having in their molecule a multiple bond besides the triple bond of the acetylene residue.

2,043,213

PLAIN BEARING

Nils Arvid Palmgren, Goteborg, Sweden, assignor to Aktiebolaget Svenska Kullagerfabriken, Goteborg, Sweden, a corporation of Sweden

Application January 19, 1935, Serial No. 2,596

In Sweden April 21, 1934

4 Claims. (Cl. 308—122)

1. A plain bearing comprising a rotating and a non-rotating bearing ring formed with sliding surfaces bearing against one another, the rotating ring being furnished with channels opening at its sliding surface in holes angularly spaced about the center of the bearing surface,



each hole being offset in the direction normal to its path from the adjacent holes a distance substantially equal to its diameter.

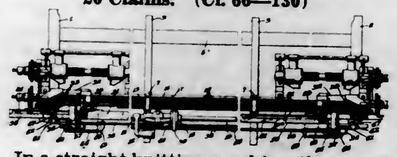
2,043,214

YARN CARRIER CONTROL MECHANISM FOR STRAIGHT KNITTING MACHINES

Paul Schmidt, Wyomissing, Pa., assignor to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania

Application April 26, 1934, Serial No. 722,426

20 Claims. (Cl. 66—130)



1. In a straight knitting machine, the combination of a thread carrier, friction drive means for said carrier, means restraining said carrier during initial carrier-propelling movement of said drive means, means movable with and substantially at the same speed as said drive means at a predetermined point in said carrier-propelling movement thereof for diminishing the speed of the carrier, and means for effecting gradual initial movement of the latter before releasing it from said restraining means at a relatively earlier predetermined point in said carrier-propelling movement of said drive means for coordinating the movements of the carrier and the speed-diminishing means at the point of synchronization of said movements of the speed-reducing means and the drive means.

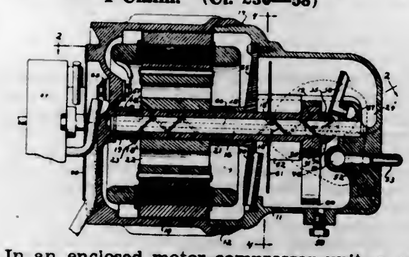
2,043,215

UNITARY MOTOR-PUMP ASSEMBLY

Russell T. Smith and Frederic L. Tarleton, Greenville, Mich., assignor to Gibson Electric Refrigerator Corporation, Greenville, Mich., a corporation of Michigan

Application May 20, 1933, Serial No. 671,984

1 Claim. (Cl. 230—58)



In an enclosed motor-compressor unit, a casing, a partition therewithin dividing the casing into separate sections, a motor within one of said sections and including a portion which generates heat when the motor is running, a compressor within another section, a common shaft assembly extending into both such sections and supporting parts of both the motor and compressor, said shaft having a longitudinal oil channel therein, and also having an inlet communicating with said oil channel within the compressor section, and an outwardly extending outlet formed in a rotatable portion of the shaft within the motor section and terminating in an exposed surface of the shaft, the compressor section having an oil reservoir therein, means for feeding oil from said reservoir to the channel inlet, whereby upon rotation of the shaft portion having said outlets therein centrifugal force tends to draw oil through the channel from the inlet and discharge it into the motor section, the compressor having an inlet opening into the section in which it is housed, and the partition having an opening therethrough connecting said sections and opening in the motor section at a height allowing the maintenance of a desired quantity of oil in the motor section to be heated by said portion which generates heat, whereby the compressor tends to draw all oil above the level of the inlet opening into the section in which it is housed by reducing the pressure therein.

2,043,216

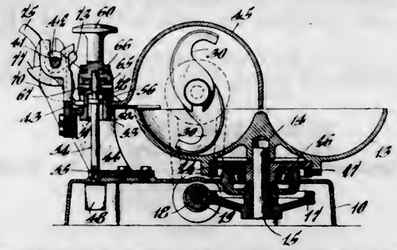
FOOD CHOPPING MACHINE

Adrian C. Van Hooydonk, Buffalo, N. Y., assignor to John E. Smith's Sons Company, Buffalo, N. Y., a corporation of New York

Application July 18, 1932, Serial No. 623,042

12 Claims. (Cl. 146—67)

1. A machine of the character described, comprising a rotary container, an electric motor for driving said container, a switch for said motor, a cover-plate movable to an open and closed position over said container, and pivoted means disposed in operative relation to said cover-plate for moving into and out of overlying relation thereto and including a part for throwing the motor-switch to its closed position only when the cover plate is in its closed position and said pivoted means is in overlying relation thereto.



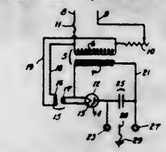
2,043,217

METHOD AND MEANS FOR CONTROLLING THE IONIC CONTENT OF AIR

Constantin P. Yaglou, Boston, Mass., assignor, by mesne assignments, to Carrier Engineering Corporation, Newark, N. J., a corporation of New York

Application May 4, 1933, Serial No. 669,362

9 Claims. (Cl. 204—32)

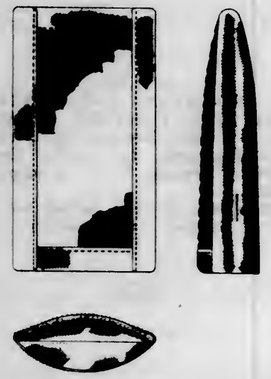


1. The method of producing positive and negative ions in respiratory air which comprises utilizing a source of high potential uni-directional current, feeding said current to a plurality of shielded leak devices to produce a high intensity electrical field, passing respiratory air through said field whereby it will be ionized, and varying the position of the shielding with respect to said leak devices to vary the relative proportions of positive and negative ions produced in said air.

DESIGNS

JUNE 2, 1936

99,840
DESIGN FOR A WASH MIT
Anna Abraham, Detroit, Mich.
Application August 7, 1935, Serial No. 57,987
Term of patent 3½ years



The ornamental design for a wash mit, as shown.

99,841
DESIGN FOR A DECORATIVE ELECTRIC LIGHT BULB OR SIMILAR ARTICLE
Abraham Abramson, New York, N. Y.
Application April 13, 1936, Serial No. 62,076
Term of patent 7 years





The ornamental design for a decorative electric light bulb or similar article, as shown.

99,842
DESIGN FOR A DECORATIVE ELECTRIC LIGHT BULB OR SIMILAR ARTICLE
Abraham Abramson, New York, N. Y.
Application April 13, 1936, Serial No. 62,077
Term of patent 7 years





The ornamental design for a decorative electric light bulb or similar article, as shown.

99,843
DESIGN FOR A DECORATIVE ELECTRIC LIGHT BULB OR SIMILAR ARTICLE
Abraham Abramson, New York, N. Y.
Application April 13, 1936, Serial No. 62,079
Term of patent 7 years





The ornamental design for a decorative electric light bulb or similar article, as shown.

99,844
DESIGN FOR A DECORATIVE ELECTRIC LIGHT BULB OR SIMILAR ARTICLE
Abraham Abramson, New York, N. Y.
Application April 13, 1936, Serial No. 62,080
Term of patent 7 years





The ornamental design for a decorative electric light bulb or similar article, as shown.

99,845
DESIGN FOR A DECORATIVE ELECTRIC LIGHT BULB OR SIMILAR ARTICLE
Abraham Abramson, New York, N. Y.
Application April 13, 1936, Serial No. 62,081
Term of patent 7 years

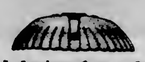




The ornamental design for a decorative electric light bulb or similar article, as shown.

99,846
DESIGN FOR A DECORATIVE ELECTRIC LIGHT REFLECTOR OR SIMILAR ARTICLE
Abraham Abramson, New York, N. Y.
Application April 13, 1936, Serial No. 62,084
Term of patent 7 years





The ornamental design for a decorative electric light reflector or similar article as shown.

99,847
DESIGN FOR A DECORATIVE ELECTRIC LIGHT REFLECTOR OR SIMILAR ARTICLE
Abraham Abramson, New York, N. Y.
Application April 13, 1936, Serial No. 62,085
Term of patent 7 years





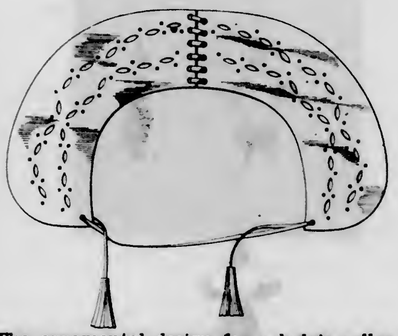
The ornamental design for a decorative electric light reflector or similar article as shown.

99,848
DESIGN FOR A VELOCIPEDE
Bert J. Anderson, Hammond, Ind.
Application April 13, 1936, Serial No. 62,100
Term of patent 14 years



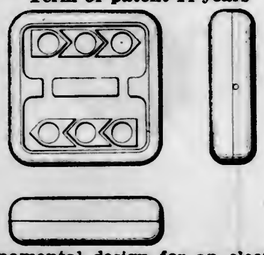
The ornamental design for a velocipede, as shown.

99,849
DESIGN FOR A LADY'S COLLAR
Nathan Appelbaum, New York, and Sarah Shron, Brooklyn, N. Y.
Application March 18, 1936, Serial No. 61,678
Term of patent 3½ years



The ornamental design for a lady's collar, as shown and described.

99,850
DESIGN FOR AN ELECTRICAL CONDENSER
Haim Beyer, New York, N. Y., assignor to Cornell-Dubilier Corporation, New York, N. Y., a corporation of New York
Application February 23, 1935, Serial No. 55,584
Term of patent 14 years



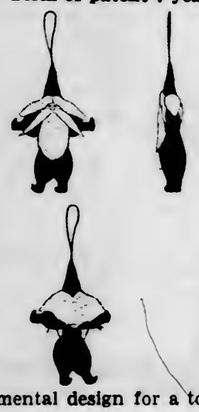
The ornamental design for an electrical condenser, substantially as shown and described.

99,851
DESIGN FOR LACE
Stephen N. M. Biddle, New York, N. Y.
Application May 8, 1936, Serial No. 62,534
Term of patent 3½ years



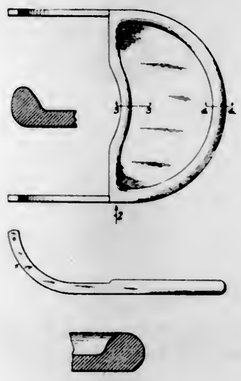
The ornamental design for lace, substantially as shown.

99,852
DESIGN FOR A TOY
John A. Bitterli, Chicago, Ill.
Application April 6, 1936, Serial No. 61,979
Term of patent 7 years



The ornamental design for a toy, as shown.

99,853
DESIGN FOR A HIGH CHAIR TRAY
John J. Brazell, Baldwinsville, Mass., assignor to E. L. Thompson Chair Corporation, Baldwinsville, Mass., a corporation of Massachusetts
Application March 25, 1935, Serial No. 56,030
Term of patent 7 years

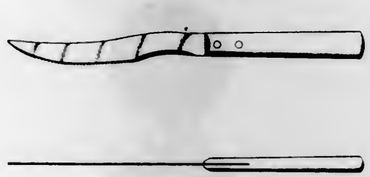


The ornamental design for a high chair tray as shown and described.

99,854
DESIGN FOR AN ASH RECEIVER
Irving H. Chandler, New York, N. Y.
Application April 15, 1936, Serial No. 62,120
Term of patent 7 years

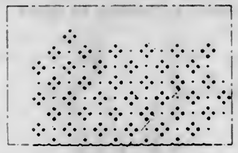
The ornamental design for an ash receiver as shown.

99,855
DESIGN FOR A KNIFE
Gerald N. Coughlan, East Orange, N. J.
Application November 7, 1935, Serial No. 59,424
Term of patent 7 years



The ornamental design for a knife as shown.

99,856
DESIGN FOR A SHOE UPPER MATERIAL
Claude H. Daniels, Wellesley Hills, Mass.
Application March 11, 1936, Serial No. 61,568
Term of patent 14 years



The ornamental design for shoe upper material, substantially as shown and described.

99,857
DESIGN FOR A TRAY
Henry A. Fisher, Parkersburg, W. Va.
Application October 21, 1935, Serial No. 59,155
Term of patent 7 years





The ornamental design for a tray, substantially as shown and described.

99,858
DESIGN FOR A TEXTILE FABRIC
Curt Erwin Forstmann, Montclair, N. J.
Application October 5, 1935, Serial No. 58,858
Term of patent 14 years



The ornamental design for a textile fabric as shown and described.

99,859
DESIGN FOR A TEXTILE FABRIC
Curt Erwin Forstmann, Montclair, N. J.
Application October 12, 1935, Serial No. 58,968
Term of patent 14 years



The ornamental design for a textile fabric as shown and described.

99,860
DESIGN FOR A TEXTILE FABRIC
Curt Erwin Forstmann, Montclair, N. J.
Application October 14, 1935, Serial No. 58,979
Term of patent 14 years



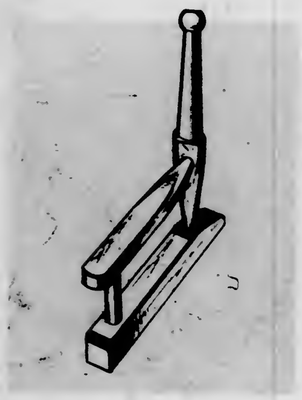
The ornamental design for a textile fabric as shown and described.

99,861
DESIGN FOR A LACE
Frank P. Gehring, New York, N. Y.
Application May 11, 1936, Serial No. 62,584
Term of patent 3½ years



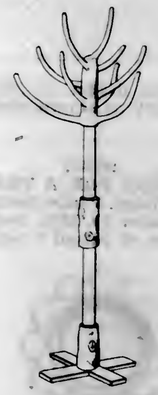
The ornamental design for a lace substantially as shown and described.

99,862
DESIGN FOR A CHAIR ARM
William L. Gittings, Racine, Wis., assignor to Gold Medal Folding Furniture Co., Racine, Wis., a corporation of Wisconsin
Application April 30, 1936, Serial No. 62,385
Term of patent 14 years



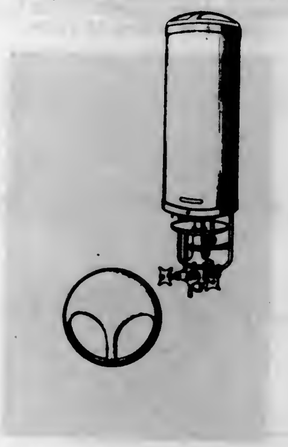
The ornamental design for a chair arm, as shown and described.

99,863
DESIGN FOR A COSTUMER
North D. Hayes, Topeka, Kans.
Application February 24, 1936, Serial No. 61,333
Term of patent 14 years



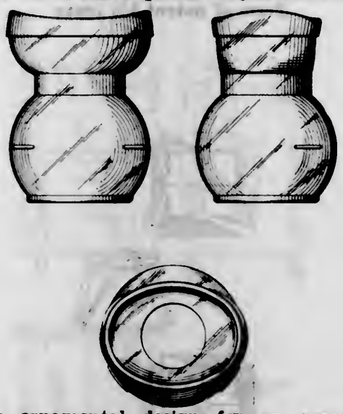
The ornamental design for a costumer as shown.

99,864
DESIGN FOR A WATER HEATER
Georg Hegwein, Dessau, Germany, assignor to Junkers & Co. G. m. b. H., Dessau, Germany
Application January 21, 1936, Serial No. 60,704
In Germany September 16, 1935
Term of patent 7 years



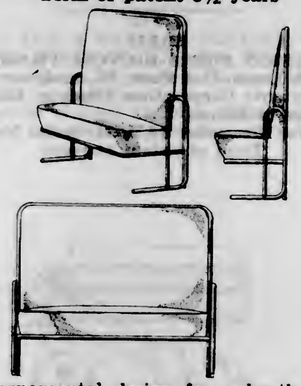
The ornamental design for a water heater, as shown.

99,865
DESIGN FOR AN EYECUP
Carl G. Hilgenberg, Baltimore, Md., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application April 17, 1936, Serial No. 62,176
Term of patent 14 years



The ornamental design for an eyecup, as shown.

99,866
DESIGN FOR A BOOTH SEAT
Wolfgang Hoffmann, Batavia, Ill., assignor to The Howell Company, St. Charles, Ill., a corporation of Illinois
Application March 30, 1936, Serial No. 61,842
Term of patent 3½ years



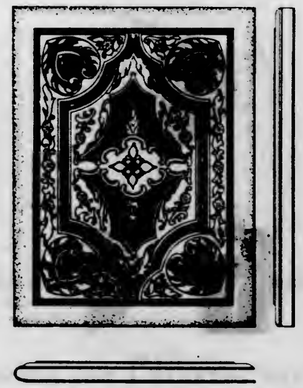
The ornamental design for a booth seat, as shown.

99,867
DESIGN FOR A STRIP OF ARTIFICIAL LEAVES
Wilhelm Hoffmeister, Neustadt, Germany
Application February 3, 1936, Serial No. 61,054
In Germany July 10, 1935
Term of patent 3½ years



The ornamental design for a strip of artificial leaves, substantially as shown and described.

99,868
DESIGN FOR A BOOK COVER
Frederic A. Hougland, Chicago, Ill., assignor to General Bindery Company, Chicago, Ill.
Application March 27, 1936, Serial No. 61,907
Term of patent 3½ years



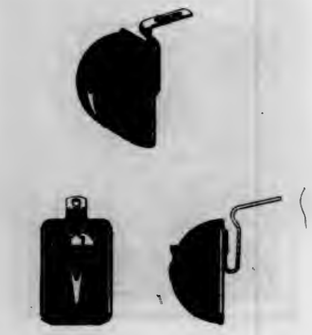
The ornamental design for a book cover, as shown.

99,869
DESIGN FOR A SPARK PLUG
Purvis D. Jackson, Chicago, Ill.
Application October 7, 1935, Serial No. 58,877
Term of patent 14 years



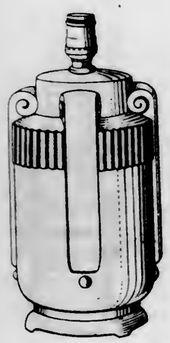
The ornamental design for a spark plug as shown and described.

99,870
DESIGN FOR AN ASH RECEIVER
Herbert H. Lampert, Brooklyn, N. Y., assignor to Kastar Specialty Mfg. Co., Inc., New York, N. Y., a corporation of New York
Application March 26, 1936, Serial No. 61,789
Term of patent 14 years



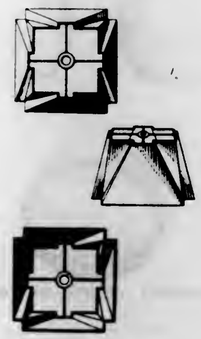
The ornamental design for an ash receiver as shown.

99,871
DESIGN FOR A LAMP BASE OR SIMILAR ARTICLE
Harry M. Laxer, New York, N. Y., assignor to Idealite, Inc., New York, N. Y., a corporation of New Jersey
Application March 19, 1936, Serial No. 61,693
Term of patent 3½ years



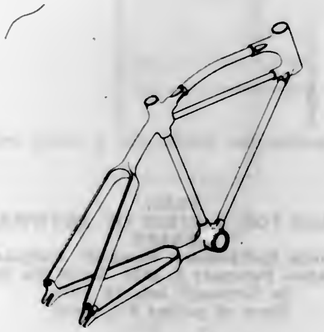
The ornamental design for a lamp base or similar article, as shown and described.

99,872
DESIGN FOR A LAMPSHADE
Harry M. Laxer, New York, N. Y., assignor to Idealite, Inc., New York, N. Y., a corporation of New Jersey
Application March 19, 1936, Serial No. 61,695
Term of patent 3½ years



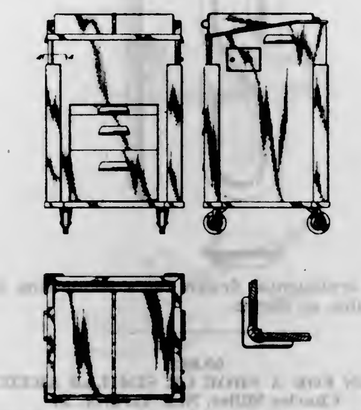
The ornamental design for a lampshade as shown.

99,873
DESIGN FOR A BICYCLE FRAME
George S. Lewis, Oak Park, Ill., assignor to Battery Patents Corporation, Chicago, Ill., a corporation of Illinois
Application December 14, 1934, Serial No. 54,421
Term of patent 14 years



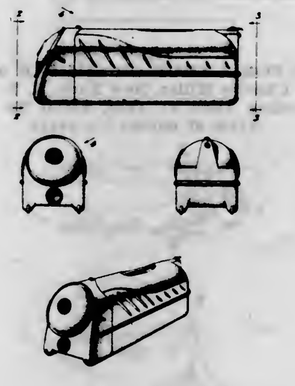
The ornamental design for a bicycle frame, substantially as shown.

99,874
DESIGN FOR A CABINET FOR DIATHERMY APPARATUS
Robert Jerome Lindquist, Los Angeles, Calif.
Application March 13, 1936, Serial No. 61,620
Term of patent 7 years



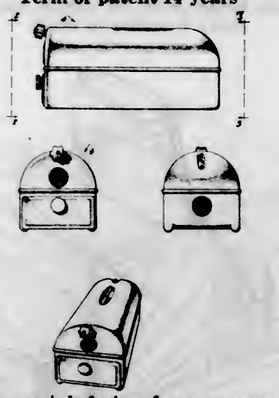
The ornamental design for a cabinet for diathermy apparatus, as shown.

99,875
DESIGN FOR A VACUUM CLEANER CASING
Gustaf Einar Lofgren, Riverside, Conn., assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application October 31, 1935, Serial No. 59,290
Term of patent 14 years



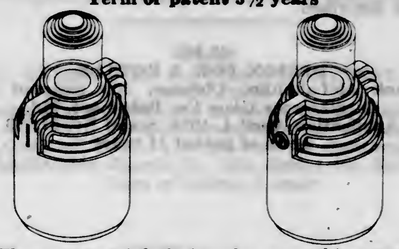
The ornamental design for a vacuum cleaner casing, as shown.

99,876
DESIGN FOR A VACUUM CLEANER CASING
Gustaf Einar Lofgren, Riverside, Conn., assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware
Application November 1, 1935, Serial No. 59,320
Term of patent 14 years



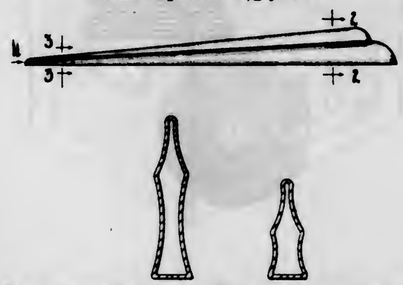
The ornamental design for a vacuum cleaner casing, as shown.

99,877
DESIGN FOR A PARKING METER
Harry L. Long and Herman S. Johns, Oklahoma City, Okla.
Application April 9, 1936, Serial No. 62,037
Term of patent 3½ years



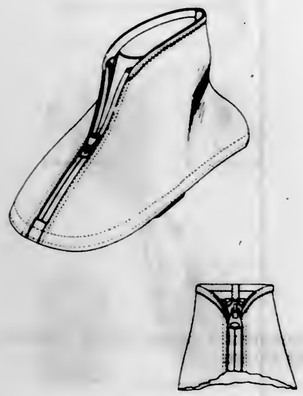
The ornamental design for a parking meter, as shown.

99,878
DESIGN FOR AN AUTOMOBILE HOOD RIDGE ORNAMENT
Paul Marienthal, Detroit, Mich.
Application June 17, 1935, Serial No. 57,296
Term of patent 3½ years



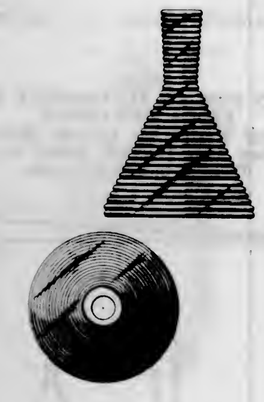
The ornamental design for an automobile hood ridge ornament, substantially as shown.

99,879
DESIGN FOR A SPAT
Paul J. McClure, Gloversville, N. Y.
Application April 13, 1936, Serial No. 62,090
Term of patent 14 years



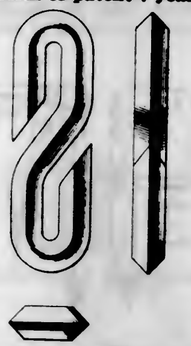
The ornamental design for a spat as shown and described.

99,880
DESIGN FOR A BOTTLE
Frank McLaughlin, Chicago, Ill., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application April 4, 1936, Serial No. 61,959
Term of patent 14 years



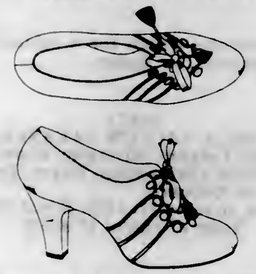
The ornamental design for a bottle, as shown.

99,881
DESIGN FOR A CONNECTING LINK FOR CHAINS
Fredrick Paul Miller, Vulcan, Mich.
Application July 25, 1935, Serial No. 57,805
Term of patent 7 years



The ornamental design for a connecting link for chains, as shown.

99,882
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Charles Miller, New York, N. Y.
Application April 27, 1936, Serial No. 62,327
Term of patent 3½ years



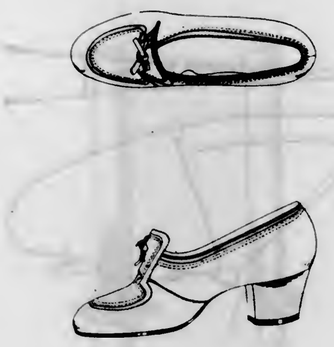
The ornamental design for a shoe or similar article, substantially as shown.

99,883
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Charles Miller, New York, N. Y.
Application April 27, 1936, Serial No. 62,330
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

99,884
DESIGN FOR A SHOE OR SIMILAR ARTICLE
George Miller, New York, N. Y.
Application April 27, 1936, Serial No. 62,333
Term of patent 3½ years



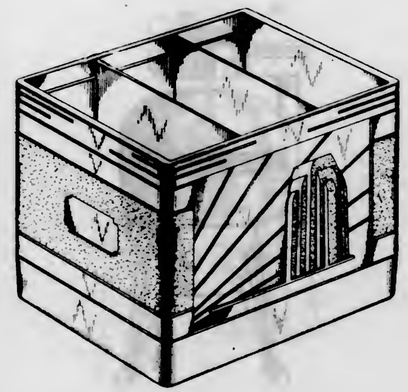
The ornamental design for a shoe or similar article, substantially as shown.

99,885
DESIGN FOR A SHOE OR SIMILAR ARTICLE
George Miller, New York, N. Y.
Application April 27, 1936, Serial No. 62,334
Term of patent 3½ years



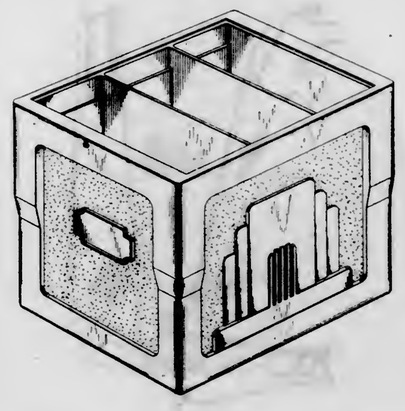
The ornamental design for a shoe or similar article, substantially as shown.

99,886
DESIGN FOR A STORAGE BATTERY CONTAINER
Joseph G. Mennin, San Leandro, Calif., assignor to U S L Battery Corporation of California, Oakland, Calif., a corporation of California
Application March 11, 1936, Serial No. 61,582
Term of patent 7 years



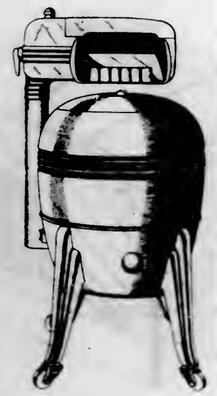
The ornamental design for a storage battery container substantially as shown and described.

99,887
DESIGN FOR A STORAGE BATTERY CONTAINER
Joseph G. Mennin, San Leandro, Calif., assignor to U S L Battery Corporation of California, Oakland, Calif., a corporation of California
Application March 11, 1936, Serial No. 61,583
Term of patent 7 years



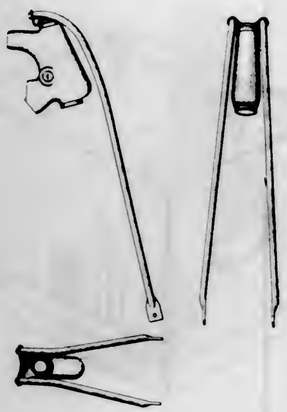
The ornamental design for a storage battery container substantially as shown and described.

99,888
DESIGN FOR A COMBINED WASHING MACHINE CASING AND WRINGER
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application April 4, 1936, Serial No. 61,944
Term of patent 7 years



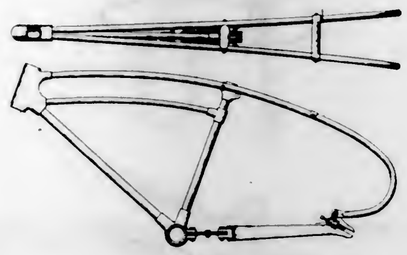
The ornamental design for a combined washing machine casing and wringer, as shown and described.

99,889
DESIGN FOR A BICYCLE HEAD AND TRUSS ROD UNIT
Earl E. Pease, Oak Park, Ill., assignor to Battery Patents Corporation, Chicago, Ill., a corporation of Illinois
Application March 30, 1936, Serial No. 61,849
Term of patent 14 years



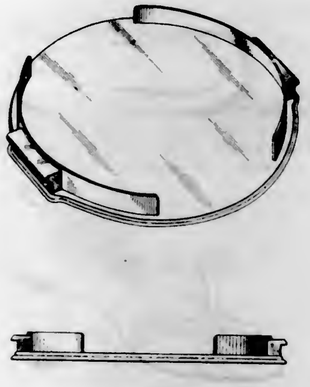
The ornamental design for a bicycle head and truss rod unit, as shown.

99,890
DESIGN FOR A BICYCLE FRAME
Earl E. Pease, Oak Park, Ill., assignor to Battery Patents Corporation, Chicago, Ill., a corporation of Illinois
Application April 15, 1936, Serial No. 62,140
Term of patent 14 years



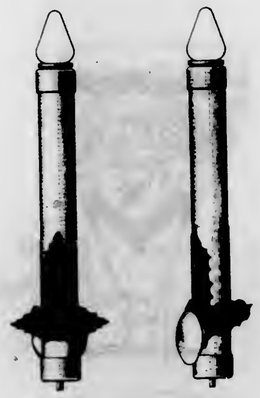
The ornamental design for a bicycle frame, as shown.

99,891
DESIGN FOR A COMBINED PACKAGING, CUTTING AND SERVING TRAY
Thomas J. Pilliod, Swanton, Ohio, assignor to The Pilliod Cabinet Company, Swanton, Ohio, a corporation of Ohio
Application March 30, 1936, Serial No. 61,856
Term of patent 3½ years



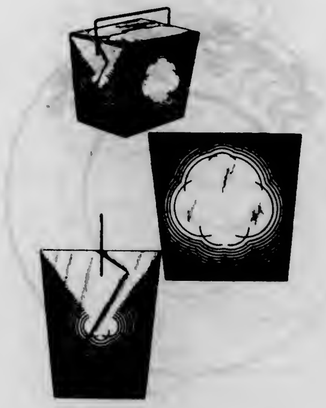
The ornamental design for a combined packaging, cutting and serving tray, substantially as shown.

99,892
DESIGN FOR A COMBINED ELECTRIC CANDLE AND SUPPORT THEREFOR
Leo Pollock, New York, N. Y.
Application March 28, 1936, Serial No. 61,830
Term of patent 7 years



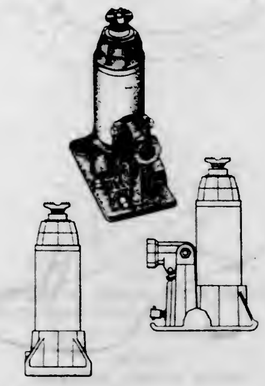
The ornamental design for a combined electric candle and support therefor, as shown.

99,893
DESIGN FOR A PAPER PAIL OR THE LIKE
Wilbert A. Rike, Neenah, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application April 3, 1936, Serial No. 61,922
Term of patent 7 years



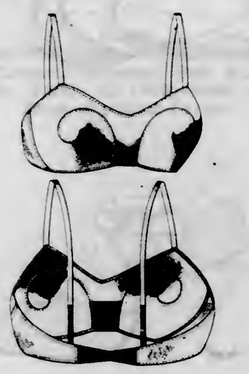
The ornamental design for a paper pail or the like, as shown and described.

99,894
DESIGN FOR A JACK
William B. Runyan, Dayton, Ohio, assignor to The Dayton Malleable Iron Company, Dayton, Ohio, a corporation of Ohio
Application December 30, 1935, Serial No. 60,343
Term of patent 7 years



The ornamental design for a jack substantially as shown.

99,895
DESIGN FOR A BRASSIERE
Charles M. Sachs, New York, N. Y., assignor to Maiden Form Brassière Company, Inc., New York, N. Y., a corporation of New York
Application April 25, 1936, Serial No. 62,302
Term of patent 7 years



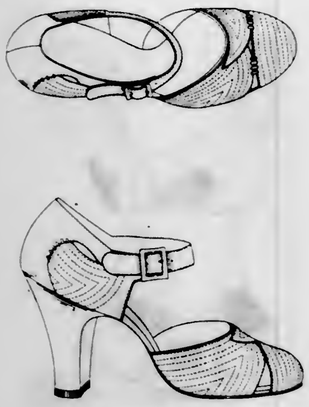
The ornamental design for a brassière, as shown.

99,896
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Leo Sheltz, New York, N. Y.
Application April 27, 1936, Serial No. 62,335
Term of patent 3½ years



The ornamental design for a shoe, or similar article, substantially as shown.

99,897
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Leo Sheltz, New York, N. Y.
Application April 27, 1936, Serial No. 62,338
Term of patent 3½ years



The ornamental design for a shoe or similar article, substantially as shown.

99,898
DESIGN FOR A GOBLET OR LIKE ARTICLE
Dixon Connelly Sloan, Cumberland, Md., assignor to United States Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 31, 1936, Serial No. 61,869
Term of patent 7 years



The ornamental design for a goblet or like article, substantially as shown.

99,899
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Dixon Connelly Sloan, Cumberland, Md., assignor to United States Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 31, 1936, Serial No. 61,870
Term of patent 7 years



The ornamental design for a plate or similar article, substantially as shown.

99,900
DESIGN FOR A GOBLET OR SIMILAR ARTICLE
Dixon Connelly Sloan, Cumberland, Md., assignor to United States Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application March 31, 1936, Serial No. 61,871
Term of patent 7 years



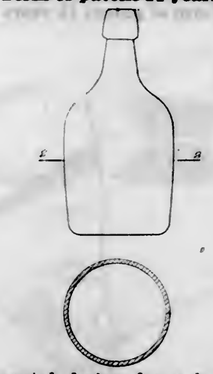
The ornamental design for a goblet or similar article, substantially as shown.

99,901
DESIGN FOR A SHOE
Harry Snayberger, Schuylkill Haven, Pa.
Application February 18, 1936, Serial No. 61,223
Term of patent 3½ years



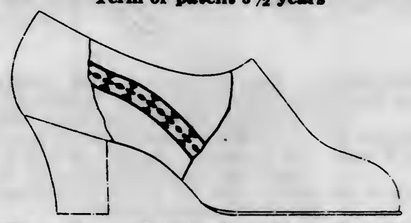
The ornamental design for a shoe substantially as shown and described.

99,902
DESIGN FOR A BOTTLE
Malcolm N. Stanley, Concord, Mass., assignor to Felton & Son, Inc., Boston, Mass., a corporation of Massachusetts
Application September 23, 1935, Serial No. 58,663
Term of patent 14 years



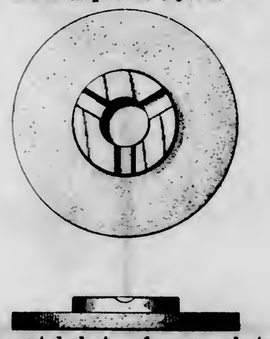
The ornamental design for a bottle substantially as shown and described.

99,903
DESIGN FOR A SHOE
Carl Stix, Cincinnati, Ohio, assignor to Plaut-Butler Inc., Cincinnati, Ohio, a corporation of Ohio
Application November 15, 1934, Serial No. 54,031
Term of patent 3½ years



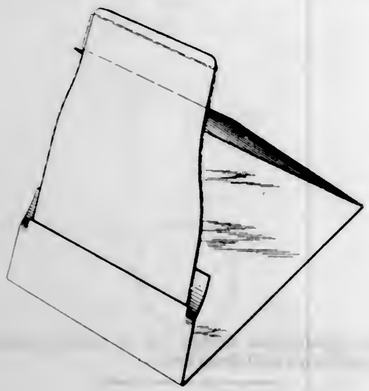
The ornamental design for a shoe substantially as shown and described.

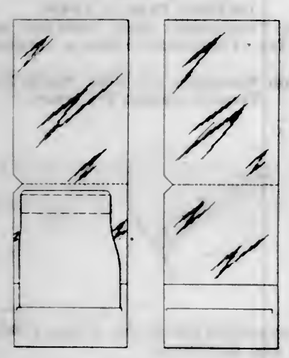
99,904
DESIGN FOR AN ASHTRAY
Leonard Swanson, Erie, Pa.
Application March 14, 1936, Serial No. 61,627
Term of patent 7 years

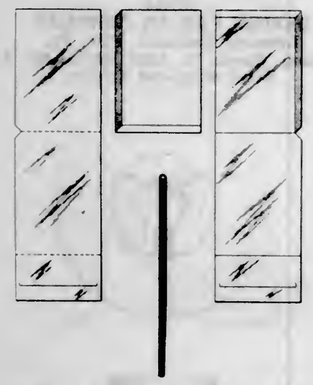


The ornamental design for an ash tray substantially as shown.

99,905
DESIGN FOR A COMBINED HOSIERY DISPLAY AND PACKING FOLDER
John W. Sweeney, West Reading, Pa., assignor to The Narrow Fabric Company, West Reading, Pa., a corporation of Pennsylvania
Application March 31, 1936, Serial No. 61,879
Term of patent 14 years

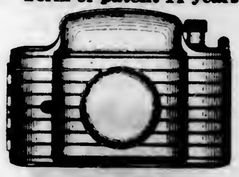


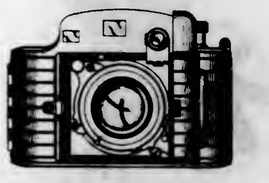


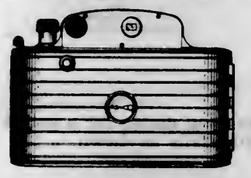


The ornamental design for a combined hosiery display and packing folder as shown and described.

99,906
DESIGN FOR A CAMERA
Walter D. Teague, New York, and Chester W. Crumrine, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application April 16, 1936, Serial No. 62,171
Term of patent 14 years



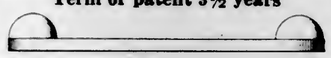


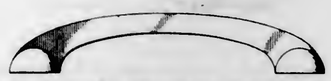




The ornamental design for a camera as shown and described.

99,907
DESIGN FOR A DRAWER PULL OR SIMILAR ARTICLE
Otto E. Uhlmann, Grand Rapids, Mich., assignor to Keeler Brass Company, Grand Rapids, Mich.
Application December 30, 1935, Serial No. 60,333
Term of patent 3½ years





The ornamental design for a drawer pull or similar article as shown.

99,908
DESIGN FOR A WALL POCKET FRONT PANEL OR THE LIKE
John Visser, Grand Rapids, Mich., assignor to Grand Rapids Metalcraft Corporation, Grand Rapids, Mich., a corporation of Michigan
Application August 7, 1935, Serial No. 58,002
Term of patent 7 years



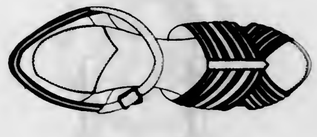
The ornamental design for a wall pocket front panel or the like as shown.

99,909
DESIGN FOR A CRUCIFIX
Max B. Waterman, Chicago, Ill.
Application March 28, 1936, Serial No. 61,839
Term of patent 3½ years



The ornamental design for a crucifix as shown.

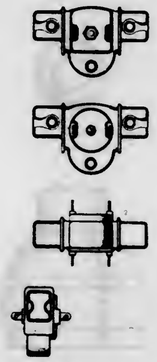
99,910
DESIGN FOR A SHOE
Philip Weinstein, Brooklyn, N. Y.
Application April 17, 1936, Serial No. 62,187
Term of patent 3½ years





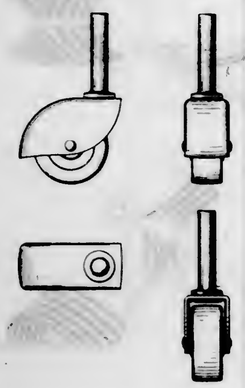
The ornamental design for a shoe substantially as shown.

99,911
DESIGN FOR A CASING FOR A COMBINED COUPLING UNIT TRANSFORMER AND RADIO ANTENNA LEAD-IN SUPPORT
Samuel M. Wertheimer, Brooklyn, N. Y., assignor to Birnbach Radio Company, Inc., New York, N. Y., a corporation of New York
Application March 21, 1936, Serial No. 61,723
Term of patent 7 years



The ornamental design for a casing for a combined coupling unit transformer and radio antenna lead-in support, as shown.

99,912
DESIGN FOR A CASTER
Walter F. Herold, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application April 18, 1936, Serial No. 62,202
Term of patent 7 years



The ornamental design for a caster, as shown and described.

99,913
DESIGN FOR A CLOSURE FOR A BOTTLE OR THE LIKE
Merrill M. Kistner, Indianapolis, Ind.
Application May 10, 1935, Serial No. 56,769
Term of patent 14 years



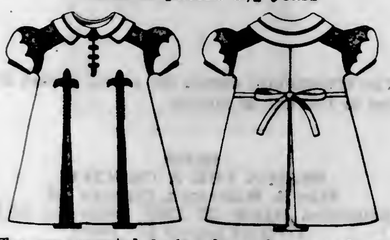
The ornamental design for a closure for a bottle or the like substantially as shown.

99,914
DESIGN FOR A DRESS
Mary Mullen, Philadelphia, Pa., assignor to Rosenau Bros. Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application May 6, 1936, Serial No. 62,499
Term of patent 3½ years



The ornamental design for a dress as shown.

99,915
DESIGN FOR A DRESS
Mary Mullen, Philadelphia, Pa., assignor to Rosenau Bros. Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application May 6, 1936, Serial No. 62,500
Term of patent 3½ years



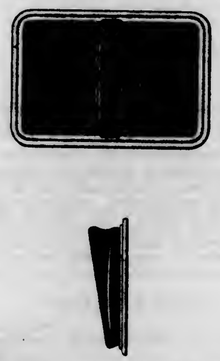
The ornamental design for a dress as shown.

99,916
DESIGN FOR A BOTTLE OR SIMILAR ARTICLE
Frasier Smith, Wheeling, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application January 3, 1935, Serial No. 54,709
Term of patent 14 years



The ornamental design for a bottle or similar article, as shown and described.

99,917
DESIGN FOR A COMBINED FACE PANEL AND BEZEL FOR ASH RECEIVERS
John Visser, Grand Rapids, Mich., assignor, by mesne assignments, to F. L. Jacobs Company, Detroit, Mich., a corporation of Michigan
Application March 25, 1936, Serial No. 61,783
Term of patent 14 years



The ornamental design for a combined face panel and bezel for ash receivers, as shown.

99,918
DESIGN FOR A LUCKY CAMPAIGN COIN
Edwin A. Halsey, Lynchburg, Va.
Application May 8, 1936, Serial No. 62,558
Term of patent 7 years



The ornamental design for a lucky campaign coin, as shown.

THE

OFFICIAL GAZETTE

OF THE

United States Patent Office

Vol. 467—No. 2 TUESDAY, JUNE 9, 1936 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
Issue of June 9, 1936	241
Adverse Decisions in Interference	241
Date of Patent	241
Adjudicated Patents	241
Important Information	241
Rule 72	241
Applications Under Examination	242
Decisions of the U.S. Courts—	
Martin v. Coe, Commissioner of Patents	243
Davis v. Mechelhlan	244
Patent Suits	247
Trade-Marks Published (215 Applications)	249
Trade-Mark Registrations Granted	273
Trade-Mark Registrations Renewed	281
Labels	283
Prints	283
Reissues	285
Plant Patents	286
Patents Granted	287
Designs	458

June 9, 1936

Trade-Marks	204—No.	335,517 to No.	335,720, inclusive.
T. M. Renewals	53		
Labels	11—No.	47,523 to No.	47,533, inclusive.
Prints	4—No.	15,715 to No.	15,718, inclusive.
Reissues	5—No.	19,998 to No.	20,002, inclusive.
Plant Patents	4—No.	179 to No.	182, inclusive.
Patents	759—No.	2,043,218 to No.	2,043,976, inclusive.
Designs	62—No.	99,919 to No.	99,980, inclusive.
Total	1,102		

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,763,288, R. H. Worrall, Piezoelectric crystal apparatus, decided March 30, 1936, claims 2 and 8.

Pat. 1,930,159, W. P. Crilly, Remote control system for radio instruments, decided May 22, 1936, claims 12, 13, 14, and 15.

Pat. 1,974,086, D. Y. Smith, Mount for electron discharge devices, decided April 29, 1936, claims 1, 2, and 4.

Pat. 1,990,663, Glenn Muffly, Control for refrigerating systems, decided May 19, 1936, claims 1, 2, 3, 4, and 5.

Pat. 1,993,375, M. Luther and A. V. Friedolsheim, Production and purification of sulphonated products, decided May 19, 1936, claims 1, 2, 3, 4, 5, 6, 7, and 8.

Date of Patent

RULE 167. * * * The issue closes weekly on Thursday, and the patents of that issue bear date as of the *fourth* Tuesday thereafter.

Adjudicated Patents

(C. C. A. N. J.) Adams patent, No. 1,780,104, for parachute and pack therefor, claims 2, 39, 42, 44, 48, 56, 59, 60, 64, 70 to 76, and 80 *Held* invalid and if valid so limited in scope as not to be infringed. *Irving Air Chute Co.* v. *Switlik Parachute & Equipment Co.*, 82 F.(2d) 644.

Important Information

In ordering manuscript copies much time will be saved if the order states specifically what is desired, viz:

Application as originally filed. (Petition, specification, oath, and drawings, as received.) Application as amended. (Petition, specification, oath, and drawings with amendments entered.)

Application as allowed. (Petition, specification, oath, and drawings as passed by the Examiner for issue.)

Original application. (Facsimile petition, specification, oath, and drawings at present time.)

Specification as originally filed. (As received in Office.)

Specification as amended. (With amendments entered.)

Specification as allowed. (As passed by the Examiner for issue.)

Original specification. (Facsimile at present time.)

File-wrapper. (File-wrapper only.)

File-wrapper and contents. (File-wrapper, contents of record, including photoprints of any tracings or of prints within file-wrapper. In patented cases, printed copy of the specification and drawings of the patent is furnished.)

File-wrapper contents, and drawings. (File-wrapper and all of the contents of record, including photoprints of any tracings, exhibits, or prints within the file-wrapper. In pending cases, photoprints of the pending drawings only, omitting any canceled. If patented, copy of the specification and drawings of the patent being furnished, photoprints are not made of the original drawings unless specially ordered. If canceled drawings are wanted, they must also be specially ordered.)

Assignment. (Give the liber and page of the record as well as the name of the inventor.)

Printed publications in possession of the Office. (Give title and date of publication, also page and exact portion to be copied.)

Orders for copies of any other records not mentioned above must state specifically the exact paper to be copied.

Rule 72

RULE 72. After the completion of the application the Office will not return the specification for any purpose whatever. If applicants have not preserved copies of the paper which they wish to amend, the Office will furnish them on the usual terms.

The drawing may be withdrawn only for such corrections as cannot be made by the Office; but a drawing cannot be withdrawn unless a photographic copy has been filed and accepted by the Examiner as a part of the application. Permissible changes in the construction shown in any drawing may be made only by the Office and after an approved photographic copy has been filed. Sketches filed to show proposed changes in construction must be in permanent ink. (See Rule 30.) Substitute drawings will not be admitted in any case unless required by the Office.

Condition of Applications Under Examination at Close of Business May 23, 1936

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 32,704; Trade-Mark Division, 1,659. Oldest new case, January 23, 1930; oldest amended, January 22, 1936.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Mar. 16	Mar. 24	330
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Velocipedes; Butchering; Bee Culture.	Feb. 1	Feb. 3	811
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Feb. 26	Feb. 24	503
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Feb. 24	Feb. 20	520
3628	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Feb. 24	Feb. 29	506
4998 C	6. LEWERS, A. M., Carbon Chemistry	Mar. 5	Mar. 14	492
5725	7. JARBOE, C. G., Optics; Photography	Mar. 10	Mar. 10	787
3889	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Mar. 12	Mar. 11	417
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Mar. 26	Mar. 26	328
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Mar. 30	Apr. 1	245
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Feb. 27	Mar. 2	439
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	Feb. 24	Feb. 24	475
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Mar. 26	Mar. 26	367
5097	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Feb. 14	Feb. 18	627
4897	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	Mar. 10	Mar. 10	725
5612	16. SPENCER, C. J., Telegraphy; Telephony	Feb. 24	Feb. 24	524
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Feb. 27	Feb. 24	629
4612	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Feb. 13	Feb. 10	429
4096	19. KENNEDY, A. B., Furnaces and Stoves; Fuel Burners	Feb. 29	Feb. 24	525
6613	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking	Feb. 24	Mar. 2	317
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Mar. 2	Mar. 2	508
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Feb. 27	Feb. 27	492
7624	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	Jan. 23	Jan. 23	531
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Mar. 12	Mar. 3	439
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Feb. 28	Feb. 24	480
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Mar. 16	Mar. 18	326
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	Feb. 27	Feb. 24	477
4626	28. BENSON, A. R., Internal-Combustion Engines	Feb. 19	Feb. 18	414
5082	29. SHKLARIN, J. B. (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Supports, Tables.	Mar. 16	Mar. 25	353
4074	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Feb. 24	Feb. 24	568
4716	31. DUNCOMBE, C. S. (Act.), Gas, Heating and Illuminating; Mineral Oils	Mar. 5	Feb. 27	466
4096	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Mar. 4	Mar. 13	454
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads and Pavements.	Mar. 13	Mar. 18	494
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Mar. 5	Mar. 2	362
3600	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Filling and Closing Portable Receptacles.	Feb. 21	Feb. 24	540
7892	36. McFADYEN, A. D., Measuring Instruments; Force Measuring; Automatic Weighers	Apr. 2	Apr. 2	226
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Feb. 24	Feb. 18	547
7510	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Mar. 4	Mar. 3	403
4872	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Mar. 24	Mar. 24	316
7890	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Feb. 3	Feb. 10	1,022
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Feb. 28	Feb. 25	513
5882	42. CUTTING, H. O., Electric Signaling	Feb. 18	Feb. 19	353
4886 B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Feb. 29	Feb. 29	659
4087 B	44. SHAFFER, C. H., Refrigeration; Dispensing Beverages	Feb. 24	Feb. 24	553
7097	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Mar. 27	Mar. 30	270
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements.	Mar. 2	Mar. 2	408
7800	47. BARKER, H., Clutches; Brakes	Mar. 9	Mar. 2	474
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Feb. 27	Feb. 26	454
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Mar. 23	Mar. 23	430
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	Feb. 14	Feb. 14	907
5628	51. BACKUS, C. D., Radiant Energy	Mar. 20	Mar. 20	542
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housings; Laminated Packing.	Mar. 3	Mar. 9	496
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Feb. 24	Feb. 24	687
5874	54. WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	Feb. 25	Feb. 25	385
6887	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Jan. 25	Jan. 22	860
4725	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation	Feb. 27	Feb. 26	733
3625	57. NICOLSON, C. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Exercising Devices.	Mar. 21	Mar. 25	269
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Feb. 24	Feb. 24	402
4709	59. RICHARD, V. I., Chemistry; Fertilizers	Mar. 3	Mar. 11	599
5896	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Mar. 23	Mar. 23	259
6724	61. PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus.	Feb. 29	Feb. 24	287
3876	62. COCHRAN, W. W., Games; Geometrical Instruments	Mar. 16	Mar. 19	422
4888	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	Feb. 26	Feb. 27	442
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel; Alcohol.	Mar. 5	Mar. 5	693
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Jan. 28	Jan. 28	639
2099 B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND {Trade-Marks	Apr. 19	May 9	1,339
	{Labels and Prints	Apr. 28	May 8	320
2605	DESIGNS, H. H. KALUPY (Act.)	Apr. 22	Apr. 24	584

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Appeals for the District of Columbia

MARTIN *v.* COE, COMMISSIONER OF PATENTS

No. 6,450. Decided April 6, 1936

PARTIES—SUBSTITUTION—PRACTICE WHERE NEW COMMISSIONER ASSUMES OFFICE DURING PENDENCY OF SUIT UNDER SECTION 4915 REVISED STATUTES.

Where a Commissioner of Patents, the defendant in an equity suit brought under section 4915 Revised Statutes, resigns and his successor assumes office after the case is argued and submitted but before decision is rendered thereon, a conversation between the trial justice and the plaintiff in which the former promised to render a decision soon, *Held* not to serve as a substitute for the necessary action in court, as a satisfactory showing to the court that there was a substantial need for continuing and maintaining the cause and obtaining an adjudication of the questions involved or that because of such a showing the court permitted the cause to be continued and maintained against the successor as required by title 48, sec. 780 U. S. C. A.

Affirmed.

Mr. James V. Martin, pro se.

Mr. R. F. Whitehead for the Commissioner of Patents.

Before MARTIN, Chief Justice, and ROBB, VAN ORSDEL, GRONER, and STEPHENS, Associate Justices.

MARTIN, *C. J.*:

This case was begun by the filing of a bill in equity in the lower court by appellant, as plaintiff, against Thomas E. Robertson, as Commissioner of Patents, under section 4915 Revised Statutes (35 U. S. C. A., sec. 63), to require the Commissioner to issue a patent to appellant to include a group of claims which had been rejected by the tribunals of the Patent Office.

The bill was filed in the lower court on February 10, 1930; on February 28, 1930 an answer was filed by the defendant; on April 7, 1933 the case was argued and submitted.

On June 26, 1933, a date after the argument but before the decision of the case, Mr. Robertson resigned from the office of Commissioner of Patents and was succeeded by the present appellee, Conway P. Coe.

Title 28, section 780, U. S. C. A., provides as follows for cases in which a public officer ceases to hold his office, during the pendency of a case brought against him as such, and is succeeded by a subsequent appointee:

"[a] Where, during the pendency of an action, suit, or other proceeding brought by or against an officer of the United States, * * * and relating to the present or future discharge of his official duties, such officer dies, resigns, or otherwise ceases to hold such office, it shall be competent for the court wherein the action, suit, or proceeding is pending, whether the court be one of first instance or an appellate tribunal, to permit the cause to be continued and maintained by or against the successor in office of such officer, if within six months after his death or separation from the office it be satisfactorily shown to the court that there is a substantial need for so continuing and maintaining the cause and obtaining an adjudication of the questions involved.

* * * * * * *

"[c] Before a substitution under this section is made, the party or officer to be affected, unless expressly consenting thereto, must be given reasonable notice of the application therefor and accorded an opportunity to present any objection which he may have."

On June 26, 1934, the lower court dismissed the case upon the ground that after the accession of Mr. Coe as Commissioner, the case had not been "continued and maintained" by the court in accordance with the requirements of the foregoing statute.

Afterwards, to wit, on July 26, 1934, the plaintiff, filed a motion in the lower court, together with a supporting affidavit, praying the court to vacate its order dismissing the case and assigning in substance the following grounds for the motion, to wit, that on or about the middle of August 1933 within 60 days following the succession of Mr. Coe to the office of Commissioner of Patents, plaintiff personally called at the office of the secretary of the trial justice for the purpose of asking when a decision could be expected in the case, and whether there was any further action which plaintiff should take in the case; that while plaintiff was asking the secretary these questions the trial justice came into the office and spoke to plaintiff substantially as follows: "I owe you an apology for not having reached a decision in your patent case, but I have been under considerable pressure of other work and will soon let you have a decision"; that following this conversation plaintiff relied upon the same and was convinced that there was no other action which was proper or necessary for him to take in the case until a decision was announced; and that the attorney of the Commissioner, made no objection to a continuation of the cause and a decision on the merits.

Approximately a month following the August visit of plaintiff to the chambers of the trial justice, plaintiff visited the Patent Office on another matter and met the counsel of record [in the lower court] for the Commissioner, who said to plaintiff that he "wondered when we may expect a decision" in plaintiff's case. That plaintiff then repeated to him the statements made by the trial justice as to a speedy decision.

The appellant contends that these occurrences, happening well within the six months' period following the accession of Mr. Coe to office, together with the trial record of the case awaiting decision in the hands of the trial justice, amounted to a satisfactory showing of a substantial need for continuing and maintaining an adjudication of the questions involved in the case, and that plaintiff had no doubt that the court so regarded it, and that when a decision was rendered the title of the case would show the name, Conway P. Coe, substituted for his predecessor in office.

On January 18, 1935 the lower court entered a final decree in the case dismissing the plaintiff's bill of complaint, whereupon, the present appeal was taken.

The sole question involved in this appeal is whether within six months after the retirement from office of Commissioner Robertson it was satisfactorily shown to the lower court that there was a

substantial reason for continuing and maintaining the cause and obtaining an adjudication of the question involved, and whether such a substitution was made by the court, and whether before such a substitution was made the Commissioner of Patents, unless expressly assenting thereto, was given a reasonable notice of the application therefor accorded an opportunity to present any objection which he might have thereto.

We think that the explanation given by appellant of the facts connected with the case in the lower court does not show such a substitution. The conversation between the trial justice and the plaintiff did not serve as a substitute for the necessary action in court, as a satisfactory showing to the court that there was a substantial need for continuing and maintaining the cause and obtaining an adjudication of the questions involved, or that because of such a showing the court permitted the cause to be continued and maintained against Mr. Coe as successor in office to Mr. Robertson.

A similar question was before this court in the case of *The Black Clawson Co.* v. *Robertson*, 63 App. D. C. 236; 71 F.(2d) 536, wherein similarly the six months' period permitting the substitution of the incoming Commissioner of Patents for the retiring Commissioner had not expired when the cause was argued and submitted to this court for decision, but that no action was taken within the six months' period for a substitution under the statute. Upon a motion made after the expiration of such period praying for a substitution in the case, we held against the application and dismissed the case.

In U. S. *ex. rel. Claussen* v. *Curran*, 276 U. S. 590, the court said:

"It appearing that Henry H. Curran, sued herein as Commissioner of Immigration, resigned such office on March 31, 1926, and was succeeded by Benjamin M. Day, who now holds that office, and that no motion was made under sec. 11 of the act of February 13, 1925 (c. 229, 43 Stat. 936, 941), asking the court to 'Permit the cause to be continued and maintained by or against the successor in office of such officer', and that the six months' period within which such a motion could have been made, has expired, the court now vacates the judgments entered in the District Court and in the Circuit Court of Appeals and remands the cause to the District Court with a direction to dismiss the cause as abated." See: *Le Crone* v. *McAdoo*, 253 U. S. 217.

Consistently with the foregoing authorities we affirm the judgment of the lower court dismissing plaintiff's bill, at appellant's cost.

U. S. Court of Customs and Patent Appeals

DAVIS v. MACLACHLAN

Nos. 3,590 and 3,591. Decided February 17, 1936

1. INTERFERENCE—DILIGENCE.

Deakin v. Schwartz, 44 App. D. C. 258, 223 O. G. 651, *Held* to be "authority for the proposition that an inventor who actually reduces to practice counts involving a broad invention is entitled to have such diligence as is shown in perfecting such invention inure to his benefit, where his diligence is questioned in connection with the invention in other counts to specific forms of the same invention, and where he is claiming both forms of the invention."

2. SAME—SAME.

Making of hose structure, including layers of rubber and cloth and a layer of spirally wound wire or metallic mesh and on the outside of the hose a wire helically wound in spaced convolutions, by junior party M. before conception by D. *Held* not to constitute reduction to practice of the invention set forth in count 1 of interference No. 61,395 calling for a plurality of spirally wound layers and *Held* that diligence of M. in connection with such structure does not inure to his benefit in connection with the subject matter of the remaining counts of said interference and the count of interference No. 61,396.

3. SAME—PRIORITY—DILIGENCE.

Priority of invention of counts of two interferences awarded to senior party D. on ground that M., if the first to conceive, was the last to reduce to practice and was not diligent at the time just before D. entered the field.

APPEAL from the Patent Office. Reversed.

Mr. E. Clarkson Seward and *Mr. L. W. Hawley* for Davis.

Messrs. Eakin & Avery, Mr. Willard D. Eakin and *Mr. Guy A. Winkjer* for Maclachlan.

BLAND, *J.*:

This case involves two appeals which were consolidated into one record, and only one brief by each party was submitted.

The appellant, Davis, has appealed from the decision of the Board of Appeals of the United States Patent Office which awarded priority of invention of the six counts of interference No. 61,395 (Patent Appeal No. 3590) and the single count of interference No. 61,396 (Patent Appeal No. 3591) to the appellee, Maclachlan. Counts 2 to 6, inclusive, of interference No. 61,395 were originally counts in an interference, No. 61,400, which was consolidated with interference No. 61,395. Count 1 of interference No. 61,395 and the single count of interference No. 61,396 are regarded as illustrative of the counts at bar and follow:

Interference No. 61,395

1. A hose comprising a body of rubber-like material and having a plurality of spirally wound layers, said layers being wound in opposite directions whereby the convolutions cross each other and at least one of said layers being formed of metallic mesh material and being embedded in the rubber-like material.

Interference No. 61,396

A hose comprising a body of rubber-like material having embedded therein a plurality of separated spirally wound layers of metallic mesh material, one of the layers being wound in one direction and another layer being wound in the opposite direction.

We deem it of no further importance, in view of our conclusions and what will appear hereinafter, to devote more space to the origin and history of the counts except to say that count 1 of interference No. 61,395, the construction of which is the subject of much controversy as will hereinafter appear, originated as a claim in the Davis application.

The invention relates to reinforcing hose intended to conduct fluid under high pressure. Appellant, Davis, has copied from the Maclachlan brief before the Board a statement concerning the use of the hose which we quote here as follows:

The hose is intended for the unusually severe use of oil well drilling, a typical installation being in a "rotary" drilling rig, as illustrated in the sketch of Maclachlan's Exhibit A-5.02. (R. p. 654). In this use the hose conducts fluid under high pressure from a pump into the top of a vertically movable and rotatable hollow drill stem to force the fluid through the stem deep into the ground to the bottom of the drill stem where the fluid facilitates the drilling and carries the drilled material upward along the outside of the stem.

As the wells are often drilled very deep, the fluid pressure to which the hose is subjected is exceedingly great, especially when waterhammers occur, and in view of this and the further considerations that the hose is subjected to the intermittent pressure of pump pulsations, and has to withstand the fluid pressures in a condition of flexure and while undergoing flexure, the construction must be very rugged.

* * * * * * *

Accordingly, the Examiner of Interferences has properly held that in view of the very severe purpose intended, nothing short of actual service operation of the hose can constitute an actual reduction to practice.

The important feature of the invention in all the counts at bar, which is emphasized in the claims and the specifications of the applications of both parties, is in a hose, partly of rubber-like material, which comprises a plurality of layers wound in opposite directions so as to cross each other, one layer (two or more layers being the preferred form of both parties) of which, at least, must be of meshed metal material, into the meshes of which the plastic rubber becomes embedded. The spiral winding of the two layers, wound in opposite directions and crossing each other, has the effect of balancing torsional or bursting strains, which strains, resulting from very high pressure, would cause bursting between the edges of the internal tape.

Count 1 of interference No. 61,395, above quoted, calls for a plurality of spirally wound layers, the layers being wound in opposite directions, at least one of which layers should be formed of metallic mesh and which metallic mesh layer must be embedded in the rubber-like material. All the other counts of said interference, and the single count in interference No. 61,396, call for the insertion in the body of the hose of a metallic fibrous material in the form of a plurality of layers, ribbons, or braids, wound in opposite directions.

Davis is the senior party, having filed his application on March 6, 1929. Maclachlan, having filed his application on March 14, 1930, is the junior party and therefore has the burden of establishing that he was the first inventor.

The party Davis was a consulting engineer associated with the New York Rubber Company of Beacon, New York, which company is the assignee of Davis, and the party Maclachlan was a development engineer employed by the B. F. Goodrich Company, which company is the party in interest of the Maclachlan application. The record shows that before Davis had any conception of the invention of the counts at bar, Maclachlan had been experimenting and producing high pressure hose for use in drilling oil wells, which hose he claims responds to the terms of one of the counts here involved and hereinafter frequently referred to. In the body of this hose were layers of rubber and cloth and a layer of spirally wound bead wire or metallic mesh, and on the outside of said hose was helically wound half-round wire with spacing of about one-half inch between the helices, and which winding was in opposite direction to the spiral winding of the embedded mesh or bead wire. It is also shown that the B. F. Goodrich Company went into production of this kind of hose and sold the same, to a considerable extent, for use in the oil drilling industry, but that this hose did not meet with the success desired on account of its failure to resist the high pressures encountered. It is not questioned, however, that for certain purposes this hose was suitable. Maclachlan's later efforts to produce, and his acts in connection with the production of, a hose having internally two layers of helically wound metal mesh wound in opposite directions will be discussed later.

The record is quite clear as to Davis' activities in producing the hose for which he filed his application for patent on March 6, 1929, and there is not much dispute between the parties concerning the same.

The Examiner of Interferences gave Davis a date of conception of the invention in the counts at bar at least as early as September 12, 1928, and held that he had reduced the same to practice by February 12, 1929. These dates for conception and reduction to practice were approved by the Board of Appeals and are not seriously questioned here.

There is no question in this case concerning the right of either party to make the counts at bar. Both claim the same invention and both fully disclosed the same in their applications.

The Examiner of Interferences held that the early work of Maclachlan resulted in completely reducing to practice the subject matter of count 1 of interference No. 61,395 at least as early as August 25, 1928, and that Maclachlan therefore was entitled to an award of priority in the invention of said count 1. The Examiner of Interferences, however, held that as to counts 2 to 6, inclusive, of interference No. 61,395, and the single count of interference No. 61,396, which call for two or more opposite helical windings of metallic mesh in the body of the hose, no hose responding to these counts had been built by Maclachlan prior to November 10, 1928, and that he had not tested the same and found it to be satisfactory prior to Davis' reduction to practice on February 12, 1929, and that Maclachlan, as to the invention involved in said last-named counts, even though he had conceived the invention as claimed on November 1, 1927, was not diligent just prior to the time when Davis entered the field on September 12, 1928. The Examiner of Interferences therefore awarded counts 2 to 6, inclusive, of interference No. 61,395, and the single count of interference No. 61,396 to Davis.

The Board of Appeals, where any opinion was expressed, did not differ with the dates accorded and the main facts found by the Examiner of Interferences. It agreed with his construction of said broad count 1 of interference No. 61,395, concurred in his award of priority of the subject matter of

this count to appellee, Maclachlan, but reversed his holding as to the other six counts involved in the two interferences. It did not find that Maclachlan was actually diligent in reducing to practice the subject matter of the particular invention involved in said six counts just prior to the date when Davis entered the field, although it did hold, for reasons hereinafter stated, that there was no lack of diligence in this respect chargeable to Maclachlan. After agreeing with the construction of said count 1 of interference No. 61,395, it held that it was bound by the authority of the case of *Deakin* v. *Schwartz*, 44 App. D. C. 258, 223 O. G. 651, which, as it interpreted said decision, held that diligence as to a generic invention may be credited to another specific form of the invention, that is to say, Maclachlan having been diligent in perfecting his invention as to the hose having one interior layer of metal wound in one way, and an outer winding of wire wound in the opposite direction, this diligence justified a finding that he was diligent, at the time Davis entered the field, in perfecting the invention embodied in the other counts at bar.

[1] In view of our construction of the meaning of the language found in count 1 of interference No. 61,395, it is not necessary for us to discuss at length the case of *Deakin* v. *Schwartz*, or to point out in detail why the facts at bar there are not on all fours with the facts here. That case is authority for the proposition that an inventor who actually reduces to practice counts involving a broad invention is entitled to have such diligence as is shown in perfecting such invention inure to his benefit, where his diligence is questioned in connection with the invention in other counts to specific forms of the same invention, and where he is claiming both forms of the invention.

We are in disagreement with the Board of Appeals as to the meaning to be attached to the language used in said count 1 of interference No. 61,395, and we do not think that the instant record supports the contention of the appellee or the finding of the Board that Maclachlan, at a time just prior to Davis' entering the field, was diligent in the completion of the inventive subject matter of said count. It is our view that the hose produced, sold, and tested by Maclachlan prior to the entrance into the field by Davis, which hose comprises one layer of metallic mesh in the body of the same, and the externally wound half-round wire, does not meet the requirements of count 1. If this is true, as we shall proceed to demonstrate, the holding in the *Deakin* case, supra, where there were broad claims and specific claims for the same invention involved, has no application here, and the finding of the Examiner of Interferences as to appellee's lack of diligence was correct. If we are correct in this view, it follows that the same lack of diligence would also prevent an award of priority to appellee of the invention defined in said count 1 of interference No. 61,395.

Concerning the construction of said count 1, appellant here makes two contentions: First, that in the light of his application, in which the count arose, we must so construe it that both spiral layers must be embedded in the body of the hose; second, that the term "layers" used in the count cannot be held to include the external wrapping of half-round wire.

We do not concur with appellant in his first contention, since no such limitation can reasonably be found in the plain language used. To so hold would be, in effect, to take the last phrase in the claim, "being embedded in the rubber-like material," and place it just after the term "spirally wound layers." This we may not do. In this respect we agree with the Board.

The Board, however, did not discuss the appellant's second reason why the early hose produced by appellee does not respond to the terms of the count. It will be noticed that the count provides as follows: "and having a plurality of spirally wound *layers* [Italics ours]." In order that the early hose produced by Maclachlan meet the requirements of this count, the winding of the wire on the outside of the hose (which winding, by the way, was in a direction opposite to that of the embedded metal layer) must be regarded as a *layer*. The claim does not call for two layers of mesh but it does call for two *layers* wound in a particular way. We do not think that the helical winding on the outside of the hose of half-round wire, the helices being about one-half inch apart, constituted a layer in the sense that that term was used by Davis in the claim in his application or in the ordinarily commonly accepted sense of the term. There seems to be some little controversy between the parties as to the exact distance between the helices of appellee's half-round wire. As we see it, it would make no difference in our conclusion whether we accepted the distance urged by appellant or that urged by appellee.

Webster's New International Dictionary (1922) defines "layer" as:

> 2. That which is laid; a stratum; a bed; one thickness, course, or fold laid over or under another; as, a *layer* of clay or of sand in the earth; a *layer* of bricks, or of plaster; the *layers* of an onion.

Just how far apart the half-round wire could be placed and still result in a layer, appellee, during the hearing here, was not able to satisfactorily explain. Also it must be noted that in the latter part of the count it is provided that one of said *layers* be formed of metallic mesh material and be embedded in the rubber-like substance. Neither of the parties contemplated that such a *layer* could consist of nothing more than a helical winding of half-round wire such as was placed on the outside of appellee's hose. Appellant urges that by this count he meant to have two layers of helically wound materials, wound in opposite directions, in the body of the hose, and that this count was intended as a broad count to prevent someone from making one of the layers of mesh and the other layer of some equivalent material like plain metallic ribbon and thus be enabled to deprive the appellant of the benefits of his invention.

While there is much merit in appellant's contention as to what he intended to do, we cannot read such a limitation into the plain language used; but, in any event we are certain that the inventor intended that there must be at least two *layers*, involved in the construction of the hose, wound in opposite directions, and we regard it as farfetched to contend that the said wire winding on the outside should be regarded as a layer. Appellee's application drawings show two metallic layers wound spirally in opposite directions in the interior of the hose, and his specification describes and points out the benefit of such a construction. In addition to this, appellee states that:

> • • • if desired, the hose may be provided exteriorly with metal armour, preferably in the form of overlapped and interlocked helical concolutions of a metal strip 21 which in section is ogee or reverse-curve form.
> Although my improved hose as illustrated herein embodies my preferred construction for a particular purpose, its structure may be variously modified in the arrangement and character of its fabric plies and rubber plies to adapt it to other situations, its novelty residing primarily in the structural features and arrangement of its reinforcing layers 14, 15. [The numerals refer to the two opposite wound layers of metal mesh embedded in the hose.]

It is true that as originally filed, appellee's application contained a claim or claims which might be regarded as broad enough to cover a hose which had only one helical winding of one strip or ribbon of metallic material, but nowhere in the application is there the slightest suggestion that the outside protective winding, such as the half-round wire wrapping, was regarded as one of the reinforcing layers such as he characterizes numerals 14 and 15 which appear in his drawings.

The outside half-round wire winding was not, by Maclachlan in his application, suggested as taking the place or serving the purpose of any opposite winding of material intended to obviate the hose bursting by reason of torsional strains. It seems reasonable to conclude, however, that such outside reinforcing wire would, to some extent, tend to reinforce the hose in this respect. Maclachlan himself, referring to this feature of the wire wrapped hose, testified:

> "it was for protection against rough handling and scraping against the derrick in raising and lowering which was being discussed, and not the matter of internal reinforcements."

Maclachlan's witness Bedur stated:

> "The purpose of the external wire was to afford additional protection to the outside of the hose, which from observation we found was needed to protect the hose from abuse in hard service."

In one of Maclachlan's exhibits, a factory report, the following appears:

> In regard to the wire winding placed on the outside of the construction, we wish to say that this winding was only placed on the hose to meet the requirements of the majority of users of this hose. It was not put on to improve the construction or to strengthen the same.

[2] In view of all the foregoing, it would seem that there is no warrant for holding that the said external winding of half-round wire may be said to constitute one of the "plurality of spirally wound layers" as called for in said count 1 of interference No. 61,395.

Having arrived at the conclusion that appellee's early construction does not meet the requirements of said count 1, there is no justification for holding that his diligence in connection with this structure inures to his benefit in connection with the subject matter of the other counts. We agree with the Examiner of Interferences that Maclachlan has shown a lack of diligence in reducing to practice the invention defined in counts 2 to 6, inclusive, of interference No. 61,395 and the single count in interference No. 61,396, and we further conclude, in view of what we have said, that there also was the same lack of diligence shown as to said count 1 in interference No. 61,395.

Maclachlan makes it clear why he delayed about attempting to produce the hose which he later produced and described in his application. He stated in substance that he concluded ("erroneous as later proved") that the cost would be prohibitive in view of the additional expense and machinery for making the windings.

[3] Upon the record before us, appellee, if first to conceive was the last to reduce to practice the subject matter of the counts. That he was not diligent at the time just before appellant entered the field cannot be seriously questioned upon this record (in view of our above conclusions as to the construction of said count 1 of interference No. 61,395), and it is only by virtue of the misapprehensions hereinbefore pointed out on the part of the tribunals below that any diligence in reducing to practice the subject matter of any of the counts was accorded to the appellee.

While appellee contends that he was the first to reduce to practice the subject matter of all the counts, and furthermore contends that he was diligent in reducing to practice his conception of the two spirally wound metallic layers of the hose called for by six of the counts involved just prior to the time appellant entered the field (irrespective of the grounds upon which the Board awarded him said priority), and points to certain proven facts which he urges support this contention, we, after very careful consideration of all such facts and appellee's arguments, find ourselves in disagreement with such contentions. We do not regard such facts to be of such importance as to necessitate their being discussed in detail here.

The decision of the Board of Appeals in Patent Appeal No. 3590 and its decision in Patent Appeal No. 3591 are reversed, and priority in invention of all the counts here involved is awarded to appellant.

Reversed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,134,603. (See 1,198,860.)

1,198,860, Lesley & Enz, Circuit controller for mechanically playing instruments; 1,198,861, Lesley & Schoen, Circuit controller; and 1,134,603, 1,414,564, J. Gabel, Automatic talking machine, included by counter-claim Feb. 29, 1932, D. C., N. D. Ill., E. Div., Doc. 11320, *Mills Novelty Co.* v. *Gabel's Entertainer Co.* Bill and counter-claim dismissed without prejudice on stipulation Feb. 28, 1936.

1,198,861. (See 1,198,860.)

1,265,957, I. Ressler, Disinfectant pad; 1,803,238, F. J. Curran, Insecticide and deodorizing tablet, D. C., N. D. Ill., E. Div., Doc. 11410, *F. J. Curran* v. *M. Miller (Termo Chemical Co.)*. Dismissed without prejudice on stipulation April 9, 1935.

1,344,457, A. Schroeder, Bung for metal barrels; 1,651,632, T. W. Rieke, Fitting for containers; 1,732,536, same, Method of positioning rings in the metallic walls of a container; 1,833,306, same, Barrel; 2,011,013, same, Sealing means, filed Feb. 24, 1936, D. C., N. D. Ill., E. Div., Doc. 15061, *Rieke Metal Products Corp.* v. *Barrel Fitting & Seal Corp.*

1,356,178, C. H. Thordarson, Machine for cutting magnetic circuit laminæ; 1,482,591, same, Method of making polysided coils; 1,482,592, same, Machine for winding coils, D. C., N. D. Ill., E. Div., Doc. 9865, *Thordarson Electric Mfg. Co.* v. *Chicago Transformer Corp.* Dismissed without prejudice on stipulation Feb. 28, 1936.

1,361,143, D. D. Daniel, Attachment for motion picture machines; 1,725,574, Feeney & Godoy, Dowser unit for motion picture projecting machines; 1,618,417, same, Fire preventing apparatus for motion picture projecting machines; 1,658,594, same, Dowser-closing mechanism for motion picture projecting machines; 1,725,556, T. T. Allen et al., Dowser control mechanism for motion picture projecting machines, filed April 3, 1936, D. C., W. D. Pa., Doc. E 3198, *Sentry Safety Control Corp.* v. *Strand Theatre.*

1,414,564. (See 1,198,860.) 1,482,591. (See 1,356,178.)

1,482,592. (See 1,356,178.)

1,492,050, W. R. Stuck, Method of making flower holders; 1,992,332, R. E. Spencer, Mold for flower holders; Des. 92,115, same, Flower holder, filed Mar. 19, 1936, D. C., N. D. Calif. (San Francisco), Doc. E 4009-R, *Dasey Mfg. Co.* v. *E. Stone (Floralart Flower Frogs Co.) et al.*

1,544,580, L. H. Hosbein, Furnace arch construction; 1,628,284, Stevens & Hosbein, same, 1,628,318, Hosbein & Flotz, same; 1,544,869, N. D. Stevens, Furnace; 1,549,106, R. D. Foltz, Stoker furnace construction, D. C., N. D. Ill., E. Div., Doc. 11778, *M. H. Detrick Co.* v. *Chicago Fire Brick Co.* Patents held invalid April 16, 1934. Decree affirmed June 28, 1935.

1,544,869. (See 1,544,580.) 1,549,106. (See 1,544,580.)

1,585,643. (See Re. 19,524.)

1,618,417. (See 1,361,143.)

1,628,284. (See 1,544,580.) 1,628,318. (See 1,544,580.)

1,641,846, Fremon & De Haven, Fountain pen rack; 1,706,662, W. Guyot, Desk set; 1,782,108, J. C. Wahl, Desk stand and holder for fountain pens, filed Mar. 17, 1936, D. C., N. D. Ill., E. Div., Doc. 15083, *Pen Desk Set Co.* v. *Zealonys Corp. et al.*

1,651,632. (See 1,344,457.)

1,652,561, A. O. Dady, Ironing machine; 1,853,395, 1,656,656, Anderson & Janda, same; 1,782,572; 1,660,448, J. W. Janda, Clutch, D. C., N. D. Ill., E. Div., Doc. 13969, *Conlon Corp.* v. *Berchtold Home Utilities Co.* Dismissed without prejudice June 27, 1935.

1,656,656. (See 1,652,561.) 1,658,594. (See 1,361,143.)

1,660,448. (See 1,652,561.)

1,663,438, I. V. Brumbaugh, Stove; 1,714,409, Stockstrom & Brumbaugh, Gas burner; 1,957,442, I. V. Brumbaugh et al., Flash lighter construction for gas ranges, filed April 1, 1936, D. C., E. D. N. Y., Doc. E 7929, *American Stove Co.* v. *Welbilt Stove Co., Inc.*

1,685,307, R. C. Baker, Cementing and floating shoe; 1,748,007, same, Guiding, floating, and cementing device for well casings; 1,859,593, O. A. Mellin, Well cementing device, filed Mar. 26, 1936, D. C., S. D. Calif. (Los Angeles), Doc. E 878-Y, *Baker Oil Tools, Inc.*, v. *E. V. Crowell.*

1,706,662. (See 1,641,846.) 1,714,409. (See 1,663,438.)

1,725,556. (See 1,361,143.) 1,725,574. (See 1,361,143.)

1,732,536. (See 1,344,457.) 1,748,007. (See 1,685,307.)

1,782,108. (See 1,641,846.) 1,782,572. (See 1,652,561.)

1,803,238. (See 1,265,957.)

1,807,697, Re. 18,619 (of 1,846,266), 1,875,316, G. A. Lyon, Cover for spare automobile tires, D. C. Del., Doc. E 954, *Lyon, Inc., et al.* v. *Clayton & Lambert Mfg. Co.* Dismissed by stipulation as to 1,846,266 and Re. 18,619 Dec. 5, 1933. Bill and supplemental bill dismissed Mar. 17, 1936.

1,833,306. (See 1,344,457.)

1,844,145. (See Re. 18,709.)

1,846,266. (See 1,807,697.) 1,853,395. (See 1,652,561.)

1,859,593. (See 1,685,307.) 1,875,316. (See 1,807,697.)

1,910,756, H. E. Dierker, Colon irrigator; 2,024,967, same, Method and apparatus for rehabilitating peristalsis of the colon, filed Mar. 26, 1936, D. C., S. D. Calif. (Los Angeles), Doc. E 879-S, *H. E. Dierker, et al.*, v. *R. S. Kennison, et al.*

1,957,442. (See 1,663,438.) 1,992,332. (See 1,492,050.)

2,011,013. (See 1,344,457.) 2,024,967. (See 1,910,756.)

Re. 18,619. (See 1,807,697.)

Re. 18,709, 1,844,145, E. P. Butusov, Elevator-signaling system, D. C., N. D. Ill., E. Div., Doc. 13826, *E. P. Butusov et al.* v. *Wacker-Wells Building Corp.* Dismissed on stipulation Oct. 30, 1935.

Re. 19,524, L. W. Hottel, Means for forming plastic articles; 1,585,643, M. Bello, Manufacture of containers, suit for declaratory judgment filed Mar. 25, 1936, D. C., N. D. Ill., E. Div., Doc. 15100 *Ahlbell Battery Container Corp.* v. *The Richardson Co.*

Des. 92,115. (See 1,492,050.)

T. M. 36,854, Hamley Bros., Game; T. M. 245,200, Parker Bros., Inc., same; T. M. 283,767, same, Ball for games; T. M. 283,766, same, Bats and rackets for games; T. M. 294,408, same, Table for games, D. C., N. D. Ill., E. Div., Doc. 13911, *Parker Bros., Inc.*, v. *Chicago Salvage Stock Stores, Inc.* Dismissed for want of prosecution Mar. 10, 1936.

T. M. 108,905, T. M. 128,241, T. M. 108,999, Hart, Schaffner & Marx, Coats, vests, trousers, overcoats and raincoats, D. C., N. D. Ill., E. Div., Doc. 13875, *Hart, Schaffner & Marx* v. *L. Klein.* Consent decree enjoining defendant Mar. 13, 1936.

T. M. 108,999. (See T. M. 108,905.)

T. M. 128,241. (See T. M. 108,905.)

T. M. 193,998, T. M. 228,062, The Weisbaum Bros.-Brower Co., Neckties, filed Mar. 6, 1936, D. C., N. D. Ill., E. Div., Doc. 15075, *The Weisbaum Bros.-Brower Co.* v. *Irving Brandt & Co., Inc.*

T. M. 228,062. (See T. M. 193,998.)

T. M. 245,200. (See T. M. 36,854.)

T. M. 283,766. (See T. M. 36,854.)

T. M. 283,767. (See T. M. 36,854.)

T. M. 294,408. (See T. M. 36,854.)

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 9, 1936

[VOL. 467. No. 2]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

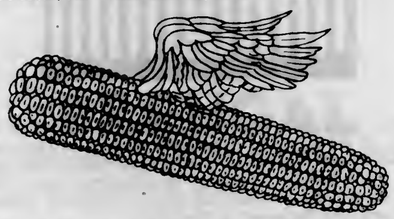
Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 375,043. DE KALB AGRICULTURAL ASSOCIATION, De Kalb, Ill. Filed Feb. 20, 1936.



The representation of seed corn is disclaimed apart from the mark.

For Seed Corn.

Claims use since Jan. 19, 1936.

CLASS 2

Receptacles

Ser. No. 375,971. CHASE BAG COMPANY, New York, N. Y. Filed Mar. 12, 1936.

HANDISAX

For Paper Bags.

Claims use since Nov. 1, 1935.

Ser. No. 377,936. THOMAS PAZANE, doing business as Anker Kraft Company, Brooklyn, N. Y. Filed May 2, 1936.

REGENT

For Paper Bags.

Claims use since Jan. 1, 1935.

Ser. No. 377,937. THOMAS PAZANE, doing business as Anker Kraft Company, Brooklyn, N. Y. Filed May 2, 1936.

TANKER

For Paper Bags.

Claims use since Jan. 1, 1935.

CLASS 5

Adhesives

Ser. No. 377,637. I. F. LAUCKS, INC., Seattle, Wash. Filed Apr. 25, 1936.

LAUX



For Glue.

Claims use since Apr. 15, 1935.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 375,243. GID LABORATORIES, Chicago, Ill. Filed Feb. 26, 1936.



For Gastro Intestinal Demulcent.

Claims use since September, 1934.

Ser. No. 375,272. SERVALL DRUGGISTS ALLIANCE, Columbus, Ohio. Filed Feb. 26, 1936.

SERVALL

For Medicinal and Toilet Preparations, to wit, Epsom Salts, Rochelle Salts, Boric Acid, Borax, Alum, Sulphur, Castor Oil, Glycerin, Russian Mineral Oil for Medicinal Purposes, Milk of Magnesia, Cough Syrup, Cod Liver Oil, Camphorated Oil, Glycerin and Rose Water, Larkspur Lotion, Peroxide of Hydrogen, Spirit Camphor, Tincture Iodine, Di-Sodium Salt of Dibrom-Oxy-Mercurifluorescein, Witch Hazel, Flaxseed, Senna Leaves, Sodium Flouride, Fly and Bug Spray, Compound Cascara Tablets, Rubbing Alcohol Comp., Bicarbonate of Soda, Roach Powder, Zinc Stearate, Preparation Used for the Relief of Corns, Toothache Drops, Aspirin Tablets, Zinc Oxide Ointment, Brilliantine, Ephedrine Nose Drops, Antiseptic Mouth Wash, Laxative Cold Tablets, Throat Tablets, a Salve Used as an External Treatment for Congestion Due to Colds, Analgesic Balm, Agar and Mineral Oil, Seidlitz Powders, Blue Ointment, Soda Mint Tablets.

Claims use since July 5, 1933.

Ser. No. 375,525. VAN MOLON, INC., Philadelphia, Pa. Filed Mar. 3, 1936.

Van Molon's
MINT-CARBONATE

The words "Mint-Carbonate" form a part of the mark only in the association shown.

For Tablets Used in Relieving Sour Stomach, Heartburn, and Indigestion.

Claims use since Feb. 18, 1936.

Ser. No. 375,737. HAROLD J. VENARD, Chicago, Ill. Filed Mar. 7, 1936.

Ve Nards

For Perfumes.

Claims use since Sept. 5, 1935.

Ser. No. 376,095. THE MENNEN COMPANY, Newark, N. J. Filed Mar. 17, 1936.



The colors blue, white, and yellow are claimed as features of the mark, no claim being made to the representation of the can per se. All wording except "Mennen" and "The Mennen Company" is disclaimed apart from the mark. The portraits are those of Gerhard Mennen, deceased, and Raymond de Conanck.

For Talcum Powder.

Claims use since Oct. 6, 1933.

Ser. No. 376,321. ANSBACHER-HAGERSTOWN CHEMICAL CORPORATION, Hagerstown, Md. Filed Mar. 24, 1936.

CRESVOR

For Oils for Use as Agricultural Insecticidal Sprays.

Claims use since Apr. 1, 1935.

Ser. No. 376,322. ANSBACHER-HAGERSTOWN CHEMICAL CORPORATION, Hagerstown, Md. Filed Mar. 24, 1936.

TARVOR

For Oils for Use as Agricultural Insecticidal Sprays.

Claims use since Apr. 1, 1935.

Ser. No. 376,323. ANSBACHER-HAGERSTOWN CHEMICAL CORPORATION, Hagerstown, Md. Filed Mar. 24, 1936.

VOROL

For Oils for Use as Agricultural Insecticidal Sprays.

Claims use since Apr. 1, 1935.

Ser. No. 376,333. LUIS GIOL CABASSA, Santurce, San Juan, P. R. Filed Mar. 24, 1936.



No claim is made to any wording except "Zilfilejas."

For General Tonic.

Claims use since June, 1932.

Ser. No. 376,366. ALBA PHARMACEUTICAL COMPANY, INC., New York, N. Y. Filed Mar. 25, 1936.

BRENGAL

For Cholagogue, Biliary Antiseptic, and Anti-Spasmodic.

Claims use since Mar. 10, 1936.

Ser. No. 376,367. ALBA PHARMACEUTICAL COMPANY, INC., New York, N. Y. Filed Mar. 25, 1936.

DOVIAL

For Preparation for Use in the Treatment of Obesity.

Claims use since Mar. 10, 1936.

Ser. No. 376,368. ALBA PHARMACEUTICAL COMPANY, INC., New York, N. Y. Filed Mar. 25, 1936.

PONTRAL

For Preparation for Use in the Treatment of Cardial and Vascular Disturbances of Spasmodic Character.

Claims use since Mar. 10, 1936.

Ser. No. 376,369. ALBA PHARMACEUTICAL COMPANY, INC., New York, N. Y. Filed Mar. 25, 1936.

TALDAN

For Analgesic.

Claims use since Mar. 10, 1936.

Ser. No. 376,382. DESHELL LABORATORIES, INC., Chicago, Ill. Filed Mar. 25, 1936.

VAKARA

For Vegetable Laxative.

Claims use since Mar. 9, 1936.

Ser. No. 376,426. THE CHAMPION FIBRE COMPANY, Canton, N. C. Filed Mar. 26, 1936.

MELOTAN

For Tanning Extracts in Both Liquid and Powder Form.

Claims use since Feb. 10, 1936.

Ser. No. 376,454. A. E. STALEY MANUFACTURING COMPANY, Decatur, Ill. Filed Mar. 26, 1936.

CALADEX

For Calender Starch.

Claims use since Jan. 14, 1936.

Ser. No. 376,504. VADSCO SALES CORPORATION, Long Island City, N. Y. Filed Mar. 27, 1936.

ANULODOR

For Astringents, Astringent Cerates, Beauty Creams, Bleach Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid and Solid Forms, Eyebrow and Eyelash Grower, Eye Drops, Eye Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.

Claims use since Nov. 10, 1919.

Ser. No. 376,505. VADSCO SALES CORPORATION, Long Island City, N. Y. Filed Mar. 27, 1936.

Baby Comfort

For Astringents, Astringent Cerates, Beauty Creams, Bleach Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid and Solid Forms, Eyebrow and Eyelash Grower, Eye Drops, Eye Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.

Claims use since Dec. 27, 1916.

Ser. No. 376,506. VADSCO SALES CORPORATION, Long Island City, N. Y. Filed Mar. 27, 1936.

BABY'S NEED

For Astringents, Astringent Cerates, Beauty Creams, Bleach Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid and Solid Forms, Eyebrow and Eyelash Grower, Eye Drops, Eye Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.

Claims use since June 22, 1921.

Ser. No. 376,508. VADSCO SALES CORPORATION, Long Island City, N. Y. Filed Mar. 27, 1936.

ENCOR

For Astringents, Astringent Cerates, Beauty Creams, Bleach Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid and Solid Forms, Eyebrow and Eyelash Grower, Eye Drops, Eye Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.

Claims use since Jan. 2, 1920.

Ser. No. 376,509. VADSCO SALES CORPORATION, Long Island City, N. Y. Filed Mar. 27, 1936.

MAI D'OR

For Astringents, Astringent Cerates, Beauty Creams, Bleach Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid and Solid Forms, Eyebrow and Eyelash Grower, Eye Drops, Eye Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.

Claims use since Jan. 2, 1920.

Ser. No. 376,510. VADSCO SALES CORPORATION, Long Island City, N. Y. Filed Mar. 27, 1936.

MAIVOU

For Astringents, Astringent Cerates, Beauty Creams, Bleach Creams, Cold Creams, Cleansng Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Obesity Creams, Refreshing Creams, Vanishing Creams, Face Bleaches, Face Packs, Skin Whitener in Liquid and Solid Forms, Eyebrow and Eyelash Grower, Eye Drops, Eye Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.

Claims use since Oct. 21, 1921.

Ser. No. 376,511. VADSCO SALES CORPORATION, Long Island City, N. Y. Filed Mar. 27, 1936.

MYRTIS

For Astringents, Astringent Cerates, Beauty Creams, Bleach Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid and Solid Forms, Eyebrow and Eyelash Grower, Eye Drops, Eye Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.

Claims use since Nov. 8, 1920.

Ser. No. 376,512. VADSCO SALES CORPORATION, Long Island City, N. Y. Filed Mar. 27, 1936.

VIVOMINT

For Astringents, Astringent Cerates, Beauty Creams, Bleach Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid and Solid Forms, Eyebrow and Eyelash Grower, Eye Drops, Eye Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.

Claims use since Jan. 2, 1920.

Ser. No. 376,556. WEIBEL CHEMICAL COMPANY, Borger, Tex. Filed Mar. 28, 1936.



Y-BEL'S

For Chemical Oil for Use in Destroying Dandruff and as a Hair Conditioner.

Claims use since February, 1934.

CLASS 10

Fertilizers

Ser. No. 375,661. PETER MANUFACTURING CORPORATION, Pittsburgh, Pa. Filed Mar. 6, 1936.

ALL-N-ONE

For Fertilizer.

Claims use since Sept. 5, 1935.

Ser. No. 377,613. WILBUR-ELLIS COMPANY, San Francisco, Calif. Filed Apr. 24, 1936.

SEINE BOAT

For Fertilizer.

Claims use since Apr. 1, 1936.

CLASS 11

Inks and Inking Materials

Ser. No. 376,864. SANFORD MANUFACTURING CO., Chicago, Ill. Filed Apr. 6, 1936.

PENIT

For Writing Inks.

Claims use since Mar. 26, 1936.

Ser. No. 377,647. FRANCIS GRANT SCHLEICHER, doing business as F. Grant Schleicher, Long Island City, N. Y. Filed Apr. 25, 1936.

Air-set

For Printer's Ink.

Claims use since Mar. 15, 1936.

Ser. No. 377,697. THE MILLER-BRYANT-PIERCE COMPANY, Aurora, Ill. Filed Apr. 27, 1936.



For Carbon Paper and Typewriter Ribbons.

Claims use since Mar. 25, 1936.

Ser. No. 377,714. LEWIS ROBERTS, Newark, N. J. Filed Apr. 27, 1936.

Monastral Blue

The word "Blue" is disclaimed apart from the word "Monastral".

For Printing Inks.

Claims use since February, 1936.

CLASS 12

Construction Materials

Ser. No. 364,073. ROBINSON MANUFACTURING COMPANY, Everett, Wash. Filed Apr. 22, 1935.

ROBIN BRAND



The word "Brand" is disclaimed apart from the mark shown.

For Dressed and Undressed Lumber, Flooring, Siding, Shiplap, Joists, Trim, Ceiling, Stepping, Finished Lumber, Doors, Columns, Sash, Plywood, Wallboard, Frames, Mouldings and Ready Cut Material for Shelving and Cabinets.

Claims use since Feb. 14, 1935.

Ser. No. 370,626. OWENS-ILLINOIS GLASS COMPANY, Toledo, Ohio. Filed Oct. 21, 1935.

INSULUX GLASS BLOCK

The words "Glass Block" are disclaimed apart from the word "Insulux".

For Glass Building Blocks.

Claims use since Oct. 12, 1935.

Ser. No. 373,945. BECKMAN-DAWSON ROOFING COMPANY, New York, N. Y. Filed Jan. 22, 1936.

WINTHROP

The words "Ready Roofing" and "Asphalt Shingles" and the representation of the goods are disclaimed apart from the mark.

For Composition Roofing and Siding in the Form of Shingles, Shingle Strips and Roll Roofing.
Claims use since May 15, 1935.

Ser. No. 375,021. MEDUSA PORTLAND CEMENT COMPANY, Cleveland, Ohio. Filed Feb. 19, 1936.

BRIKSET

For Masonry Cement.
Claims use since Feb. 13, 1936.

Ser. No. 375,664. QUIGLEY COMPANY, INC., New York, N. Y. Filed Mar. 6, 1936.

A-Q-A

For Refractory Protective Coating.
Claims use since Dec. 23, 1935.

Ser. No. 375,666. QUIGLEY COMPANY, INC., New York, N. Y. Filed Mar. 6, 1936.

INSULCLAD

For Refractory Mortar.
Claims use since Dec. 5, 1935.

Ser. No. 376,898. THE EAGLE-PICHER LEAD COMPANY, Cincinnati, Ohio. Filed Apr. 7, 1936.

EAGLE

For Roof Flanges.
Claims use since Nov. 15, 1926.

Ser. No. 377,354. THE INSULITE COMPANY, Minneapolis, Minn. Filed Apr. 18, 1936.

BILDRITE

For Fiber Composition Board and Sheathing Consisting of Fibrous Material and a Water-Proofing Product.
Claims use since Jan. 24, 1936.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 374,410. G. GREY, doing business as Etablissements G. Grey, Antwerp, Belgium. Filed Feb. 3, 1936.

CRAFTPLUGS

For Anchor Bolts, Bolt Anchors, and Expansion Wall Plugs.
Claims use since Mar. 1, 1935.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 367,381. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed July 16, 1935.

KOVAR

For Alloyed Metal.
Claims use since June 14, 1935.

Ser. No. 376,933. BURNDY ENGINEERING COMPANY, INC., New York, N. Y. Filed Apr. 8, 1936.

COPRAL

For Bimetallic Sheet Metal Consisting of a Layer of Aluminum and a Layer of Copper.
Claims use since February, 1930.

CLASS 15

Oils and Greases

Ser. No. 374,389. SOUTHWEST GREASE & OIL COMPANY, Wichita, Kans. Filed Feb. 1, 1936.

SUPER SERVICE

The words "Super Service" are disclaimed apart from the mark.

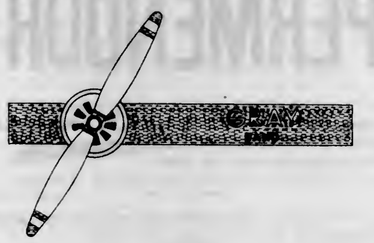
For Lubricating Oils and Greases.
Claims use since September, 1933.

Ser. No. 376,468. F. C. OIL COMPANY M. B. H., Hamburg, Germany. Filed Mar. 27, 1936.

Firstoline

For Lubricating Oils and Greases.
Claims use since Nov. 30, 1933.

Ser. No. 377,067. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Apr. 10, 1936.



The drawing is lined to indicate gray.
For Lubricating Oils.
Claims use since Mar. 10, 1936.

Ser. No. 377,069. THE TEXAS COMPANY, New York, N. Y. Filed Apr. 10, 1936.

CAP-TEX

For Lubricating Oils.
Claims use since Mar. 11, 1936.

Ser. No. 377,284. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed Apr. 16, 1936.

Tavern

For Lubricating Oil.
Claims use since Apr. 2, 1936.

CLASS 16

Paints and Painters' Materials

Ser. No. 376,030. AULT & WIBORG CORPORATION, Cincinnati, Ohio. Filed Mar. 16, 1936.

AULFLO

For Liquid Having Solvent and Stabilizing Properties as an Ingredient of Paints, Varnishes, and Lacquers.
Claims use since Feb. 19, 1936.

Ser. No. 376,181. THE GLIDDEN COMPANY, doing business as Empire Paint Company, Cleveland, Ohio. Filed Mar. 19, 1936.

EMPIRE

For Ready Mixed Paints, Paint Enamels, Varnishes, Stains, and Lacquers.
Claims use since Jan. 1, 1861.

Ser. No. 377,886. POWERS MERCANTILE COMPANY, Minneapolis, Minn. Filed May 1, 1936.

Security

For Turpentine.
Claims use since 1910.

Ser. No. 377,942. SAPOLIN CO. INC., New York, N. Y. Filed May 2, 1936.

Triple Duty

For Enamel Paints.
Claims use since Apr. 27, 1936.

CLASS 17

Tobacco Products

Ser. No. 376,477. LANCASTER CIGARS INC., Red Lion, Pa. Filed Mar. 27, 1936.

GOBS

For Cigars, Cigarillos, Stogies, Cigarettes, and Chewing and Smoking Tobacco.
Claims use since Mar. 12, 1936.

Ser. No. 376,566. THE AXTON FISHER TOBACCO CO., Louisville, Ky. Filed Mar. 30, 1936.

Commander

For Cigarettes.
Claims use since July 13, 1931.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 361,206. ORRIN B. HAYES, INC., Kalamazoo, Mich. Filed Feb. 9, 1935.



The portrait is that of Orrin B. Hayes. All words except "Hayes" are disclaimed apart from the mark.
For Automobiles and Trucks and Structural Parts Thereof Both New and Used.
Claims use since July 1, 1934.

Ser. No. 370,251. ISIDORE C. FRIEDMAN, doing business as Everhot Products Co., Chicago, Ill. Filed Oct. 11, 1935.



The word "Everhot" is disclaimed apart from the mark.
For Vehicle Hot Water Heater Repair Parts.
Claims use since Apr. 1, 1935.

Ser. No. 373,946. BRITISH MOTORS, LTD., doing business as S. S. Cars, Ltd., New York, N. Y. Filed Jan. 22, 1936.

SWALLOW

For Automobiles and Structural Parts Thereof.
Claims use since Oct. 4, 1935.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 361,687. NATIONAL TRAV-O-TEL SYSTEM, Tulsa, Okla. Filed Feb. 21, 1935.

Trav-O-Tel

For Electrical Road Signs.
Claims use since September, 1933.

Ser. No. 374,573. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Feb. 6, 1936.

IGNITRON

For Vapor Electric Devices or Arc Discharge Tubes.
Claims use since Jan. 1, 1934.

Ser. No. 375,186. WESTERN ELECTRIC COMPANY, INCORPORATED, New York, N. Y. Filed Feb. 24, 1936.

PERMENDUR

For Acoustic Apparatus—Namely, Electrically Operated Receiver Diaphragms, Loud Speaking Telephones and Electrical Reproducers.
Claims use since Nov. 13, 1935.

Ser. No. 375,897. PREFERRED ELECTRIC & WIRE CORP., Brooklyn, N. Y. Filed Mar. 12, 1936.



The words "Perfect Products" are claimed only in association with the other features of the mark as shown.
For Electrical Apparatus, More Particularly Ignition Devices for Automobiles—Namely, Breaker Arms, Contact Arms, Rotors, Distributors, Condensers, Distributor Heads, Ignition Coils, Electrical Switches, Starters, Generator Brushes, Generator Cut-Outs, Starter Switches, Dimmer Clips, Battery Cables, Dash-Switches, and Spotlight Switches.
Claims use since Mar. 1, 1920.

Ser. No. 376,470. GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Filed Mar. 27, 1936.

LUMILINE

For Electric Lamps.
Claims use since Apr. 23, 1934.

Ser. No. 376,557. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Mar. 28, 1936.



The representation of the goods is disclaimed apart from the mark.
For Coils for Electrical Apparatus.
Claims use since Mar. 4, 1936.

Ser. No. 376,722. SAMUEL S. HIXON, Washington, D. C. Filed Apr. 2, 1936.

Tel-audio

For Electrical Sound Detector and Amplifier for Assemblage Uses.
Claims use since Nov. 7, 1935.

Ser. No. 376,764. LETERSTONE SALES COMPANY, Chicago, Ill. Filed Apr. 3, 1936.

Spark-Lite

For Spark Indicators for Automobiles.
Claims use since Jan. 15, 1936.

Ser. No. 376,960. JOSEPH H. SCHARFF, Nutley, N. J. Filed Apr. 8, 1936.

BABY "ATMO"

For Temperature Controlled Electrically Actuated Automatic Fire Detecting and Fire Alarm Apparatus.
Claims use since Dec. 14, 1920.

Ser. No. 377,290. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa. Filed Apr. 16, 1936.

MAGNALAIRE

For Luminaires.
Claims use since July 15, 1934.

Ser. No. 377,297. THE AMERICAN STEEL PACKAGE COMPANY, Defiance, Ohio. Filed Apr. 17, 1936.

DEFIANCE

For Variable Condensers.
Claims use since June 1, 1929.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 350,166. WERTS NOVELTY CO., INC., Muncie, Ind. Filed Apr. 18, 1934.



No claim is made to any words except "Werts".
For Game of Chance Played With Concealed Numbers.
Claims use since Sept. 10, 1917.

Ser. No. 375,968. RICHARD R. YOUNG, New Rochelle, N. Y. Filed Mar. 13, 1936.

TRIPLE

THREAT

For Card Games.
Claims use since Jan. 27, 1936.

Ser. No. 377,494. MILTON BRADLEY COMPANY, Springfield, Mass. Filed Apr. 22, 1936.

Balaroo

For Game Apparatus Including a Board, a Plurality of Movable Pieces Removably Supported Thereon, and an Actuating Member for Removing the Pieces.
Claims use since Nov. 6, 1931.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 352,805. VICKERS, INCORPORATED, Detroit, Mich. Filed June 16, 1934.

VICKERS

For Vane Type Pumps, Gear Type Pumps, Rotary Type Pumps, Hydraulic Presses, Machine Tools and Parts Therefor—Namely, Feed Mechanisms, Time Lags, Rapid Traverse Mechanisms, Trip Mechanisms, and Control Mechanisms, Hydraulic Hoisting Units, Booster Type Steering Mechanisms, and Hydraulic Type Steering Mechanisms.
Claims use since Apr. 28, 1936.

Ser. No. 362,521. ROBERT MINKOW MACHINE COMPANY, New York, N. Y. Filed Mar. 14, 1935.

Minco

For Paper Box Making Machinery and Paper Box Printing Machinery and Parts Therefor.
Claims use since July 23, 1932.

Ser. No. 367,490. BRESDUCK, INC., New York, N. Y. Filed July 20, 1935.



For All Manner and Kinds of Razors, Shears, Scissors, Knives of Base Metal, and Hair Clippers.
Claims use since Sept. 5, 1930.

Ser. No. 373,168. FLEMING MANUFACTURING COMPANY, INC., Worcester, Mass. Filed Dec. 30, 1935.

"THE DIP STICK TELLS THE STORY—LOOK AT IT"

For Oil Filters, Particularly for Use as Attachments for Internal Combustion Engines, and Parts for Said Filters Including Cartridges Therefor.
Claims use since September, 1934.

Ser. No. 373,789. JOHN J. HUEBSCHER, Minneapolis, Minn. Filed Jan. 17, 1936.

ZONE-O-TROL

For Devices Adapted for Use in Speed Control Systems for Controlling the Traveling Speed of Automotive Vehicles in Accordance with Color Zones, Including Devices Used in Connection with the Fuel Feeding Means of the Vehicle, and Selectively Operable by the Driver to Limit or Interrupt the Fuel Supply to the Engine in Accordance with Color Zones along the Path of Travel of the Vehicle, Whereby When the Vehicle Reaches the Maximum or Top Speed Permitted Through Each Color Zone, the Fuel Supply to the Engine Is Interrupted, Thereby to Prevent the Vehicle from Exceeding the Permitted Speed Limit.
Claims use since July 1, 1935.

Ser. No. 374,582. FRAM OIL FILTER COMPANY, Providence, R. I. Filed Feb. 7, 1936.

FRAM

For Oil Filters for Automotive Engines.
Claims use since Aug. 5, 1933.

Ser. No. 375,594. MODERN EQUIPMENT CORPORATION, Defiance, Ohio. Filed Mar. 5, 1936.

PAR

For Garage and Service Station Equipment—Namely, Automobile Lifts, Automobile Jacks and Parts Thereof.
Claims use since Oct. 1, 1935.

Ser. No. 376,230. STEWART-WARNER CORPORATION, Chicago, Ill. Filed Mar. 20, 1936.

Thermatic

For Oil Cups.
Claims use since Jan. 15, 1936.

Ser. No. 376,300. PERSONNA BLADE CO. INC., New York, N. Y. Filed Mar. 23, 1936.

PERSONNA

For Razor Blades.
Claims use since April, 1934.

Ser. No. 376,723. FORD HOPKINS CO., Chicago, Ill. Filed Apr. 2, 1936.

TRIM

For Razor Blades.
Claims use since April, 1935.

Ser. No. 377,347. BYRON JACKSON CO., Huntington Park, Calif. Filed Apr. 18, 1936.

TRIPLEX

For Oil-Well Tools—Namely, Rotary and Casing Hooks and Parts Therefor.
Claims use since Jan. 1, 1929.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 373,954. DUPRINT CORPORATION, New York, N. Y. Filed Jan. 22, 1936.

DUPRINT

For Photocopy Apparatus in Business and Professional Offices and the Like, Including Component Parts of Said Apparatus, Such as Drying Devices, Developing and Fixing Solution Trays and Containers and Bottles for Same.
Claims use since Jan. 2, 1936.

Ser. No. 374,870. MACK WENZEL, doing business as Wenzel Company, Chicago, Ill. Filed Feb. 14, 1936.



For Motion Picture Equipment—Namely, Motion Picture Projectors, Cameras, Film Shafts, Film Rollers, Film Aperture Plates, Automatic Film Rewinders, Film Cabinets, Reel Film Cabinets, Film Sprockets, and Magazines
Claims use since Jan. 2, 1936.

Ser. No. 375,831. VICTOR ADDING MACHINE COMPANY, Chicago, Ill. Filed Mar. 11, 1936.

MUTUAL

For Accounting Machines.
Claims use since Jan. 1, 1935.

Ser. No. 376,205. OSWIN HAUCKE, Brooklyn, N. Y. Filed Mar. 20, 1936.

CHASS-O-METER

The word "Meter" is disclaimed apart from the mark.
For Indicating Devices for Checking the Wheel Angles and Alignments of Automotive Vehicles.
Claims use since Oct. 15, 1934.

Ser. No. 376,650. TAYLOR INSTRUMENT COMPANIES, Rochester, N. Y. Filed Mar. 31, 1936.

INDAK

For Thermometers.
Claims use since Feb. 27, 1936.

Ser. No. 377,402. MAGIC SCREEN INC., New York, N. Y. Filed Apr. 20, 1936.

LOR-NET

For Articles for Viewing Pictures for Giving Third Dimension Effects.
Claims use since Apr. 6, 1936.

Ser. No. 377,422. HENRY RIPLEY SCHEMM, doing business as The Bin-Dicator Company, Detroit, Mich. Filed Apr. 20, 1936.

BIN-DICATOR

For Bin or Tank Level Indicators.
Claims use since May 1, 1934.

CLASS 27

Horological Instruments

Ser. No. 376,306. STAR WATCH CASE CO., Ludington, Mich. Filed Mar. 23, 1936.



For Watch Cases of Precious, Semiprecious, and Base Metal.
Claims use since 1910.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 377,225. CECIL D. KAUFMANN, Washington, D. C. Filed Apr. 15, 1936.

LOVEGEM

No claim is made to the word "Gem" as shown except as used in conjunction with the other features of the mark.
For Finger Rings.
Claims use since Feb. 15, 1936.

Ser. No. 377,519. ONEIDA LTD., Sherrill and Oneida, N. Y., and Northampton, Mass. Filed Apr. 22, 1936.

CORONATION

For Silver Plated Tableware and Silver Plated Cutlery.
Claims use since Apr. 9, 1936.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 375,865. UNION WASTE COMPANY, INC., Philadelphia, Pa. Filed Mar. 11, 1936.



For Wiping Cloths, Wiping Towels, and Wiping Waste.
Claims use since Jan. 15, 1936.

Ser. No. 376,912. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass. Filed Apr. 7, 1936.

GEM

For Tooth Brushes.
Claims use since Nov. 27, 1923.

Ser. No. 376,913. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass. Filed Apr. 7, 1936.

EXCELSIOR

For Tooth Brushes.
Claims use since Dec. 27, 1923.

Ser. No. 376,915. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass. Filed Apr. 7, 1936.

OUR LEADER

For Tooth Brushes.
Claims use since Dec. 29, 1923.

CLASS 31

Filters and Refrigerators

Ser. No. 374,291. THE GENERAL ELECTRIC COMPANY LIMITED, London, England. Filed Jan. 30, 1936.

GENALEX

For Household and Store Refrigerators for the Preservation of Foodstuffs; Ice Cream Freezing Machines; Ice Cream Freezers; and Refrigerating Chambers.
Claims use since Dec. 19, 1931.

Ser. No. 376,335. CHANDLEE-CORP., Baltimore, Md. Filed Mar. 24, 1936.

KONVERTER

For Cooling and Dispensing Apparatus for Carbonated Beverages.
Claims use since Mar. 17, 1936.

CLASS 32

Furniture and Upholstery

Ser. No. 376,755. JOSEPH H. FOX, Long Island City, N. Y. Filed Apr. 3, 1936.

MIRRO MEMO

The word "Mirro" is disclaimed apart from the mark as shown.
For Mirrors.
Claims use since Mar. 23, 1936.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 374,578. JUDSON C. BURNS, INC., Philadelphia, Pa. Filed Feb. 7, 1936.



No claim is made to the words "Easy Oil Burner" apart from the mark as shown. The drawing is lined for yellow and red.
For Electrically Driven Oil Burners and Oil Furnaces.
Claims use since August, 1934.

Ser. No. 375,834. AUBURN FOUNDRY, INC., Auburn, Ind. Filed Mar. 11, 1936.

Line Drive

For Stokers.
Claims use since Feb. 7, 1936.

Ser. No. 376,124. HYDRO-AIR CORPORATION, New York, N. Y. Filed Mar. 18, 1936.

HYDRO-AIR

The word "Air" is disclaimed apart from the remainder of the mark.
For Air Conditioning Units and Systems.
Claims use since May 12, 1935.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 375,881. THE GATES RUBBER COMPANY, Denver, Colo. Filed Mar. 12, 1936.

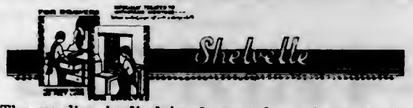
GATEX

For Rubber Hose, for Water, Air, and Steam; Belts, both Flat and V-Shaped, Tire Repair Patches, Brake Linings, and Rubber Machinery Packing.
Claims use since Feb. 29, 1936.

CLASS 37

Paper and Stationery

Ser. No. 376,114. THE APPLETON COATED PAPER CO., Appleton, Wis. Filed Mar. 16, 1936.



The wording is disclaimed apart from the mark shown with the exception of the word "Shelvette".
For Shelf and Lining Paper, Surface Coated on One Side with a Special Preparation to Withstand Moisture.
Claims use since Apr. 1, 1930.

Ser. No. 376,183. A. P. W. PAPER COMPANY, INC., Albany, N. Y. Filed Mar. 20, 1936.

APW

The drawing is lined for red.
For Paper Towels.
Claims use since Mar. 6, 1936.

Ser. No. 376,744. NORTHERN PAPER MILLS, Green Bay, Wis. Filed Apr. 2, 1936.

SNO-LIN

For Toilet Tissue Paper.
Claims use since Feb. 21, 1936.

Ser. No. 376,877. WILSON-JONES COMPANY, Chicago, Ill. Filed Apr. 6, 1936.

PILOT

For Punching Machines as Office Appliances for Perforating Sheets.
Claims use since Apr. 12, 1916.

Ser. No. 376,899. EATON PAPER CORPORATION, Pittsfield, Mass. Filed Apr. 7, 1936.

eaton's pensmooth

For Papeteries, Including Pound Papers and Bulk Envelopes.
Claims use since Jan. 2, 1936.

CLASS 38

Prints and Publications

Ser. No. 373,159. AVIATION CLUB OF THE CITY OF NEW YORK, INC., doing business as The Contact Publishing Company, New York, N. Y. Filed Dec. 30, 1935.

CONTACT

For Biweekly Publication.
Claims use since Nov. 11, 1934.

Ser. No. 375,395. MAGAZINE PUBLISHERS, INC., New York, N. Y. Filed Feb. 29, 1936.

HEADQUARTERS DETECTIVE

For Magazine Published Monthly and at Other Intervals.
Claims use since Feb. 24, 1936.

Ser. No. 375,397. PERIODICAL HOUSE, INC., New York, N. Y. Filed Feb. 29, 1936.

ACE MYSTERY

For Magazine Published Monthly and at Other Intervals.
Claims use since Feb. 24, 1936.

Ser. No. 375,889. THE KENTUCKY HORSEMAN PUBLISHING COMPANY, INC., Lexington, Ky. Filed Mar. 12, 1936.

The AMERICAN HORSEMAN
FORMERLY THE KENTUCKY HORSEMAN

For Monthly Magazine.
Claims use since Jan. 1, 1936.

Ser. No. 376,458. BURROUGHS WELLCOME & Co. (U. S. A.) INC., New York, N. Y. Filed Mar. 27, 1936.

'TABLOID'

For Periodical Publication.
Claims use since Mar. 1, 1936.

Ser. No. 376,775. PUBLIC LEDGER, INC., Philadelphia, Pa. Filed Apr. 3, 1936.

GOWNS and GADGETS

For Newspaper Column.
Claims use since Jan. 1, 1935.

Ser. No. 376,776. PUBLIC LEDGER, INC., Philadelphia, Pa. Filed Apr. 3, 1936.

Home Cooking BY HARRIET HEATH

For Newspaper Column.
Claims use since Oct. 18, 1933.

Ser. No. 376,943. CHARTERED INSTITUTE OF AMERICAN INVENTORS, Washington, D. C. Filed Apr. 8, 1936.

Successful Inventions

For Periodical.
Claims use since Apr. 2, 1936.

Ser. No. 377,004. KING FEATURES SYNDICATE, INC., New York, N. Y. Filed Apr. 9, 1936.

JEEP

For Cartoons.
Claims use since Mar. 26, 1936.

Ser. No. 377,040. CEDRIC G. CHASE PHOTOGRAPHIC LABORATORIES, INC., Waltham, Mass. Filed Apr. 10, 1936.

PETER PAN PRINT

No claim is made to the word "Print" apart from the mark as shown.
For Photographic Prints.
Claims use since Mar. 27, 1936.

Ser. No. 377,077. AMERICAN PATENTS CORPORATION, Washington, D. C. Filed Apr. 10, 1936.

International Patents Digest

For Periodical.
Claims use since Apr. 9, 1936.

CLASS 39

Clothing

Ser. No. 361,917. WISE SHOE COMPANY, INC., New York, N. Y. Filed Feb. 27, 1935.

Dual-personalitee

For Ladies' Shoes Made of Leather, Fabric, and Combinations of These Materials.
Claims use since Feb. 5, 1935.

Ser. No. 364,611. STEINBERG BROTHERS, New York, N. Y. Filed May 3, 1935.

SIMI-KID

The word "Kid" is disclaimed except as used in association with the word "Simi".
For Ladies' Gloves Made of Leather.
Claims use since Dec. 1, 1932.

Ser. No. 367,359. WILLIAM LEVIN, doing business as William Levin Knitting Mills, New York, N. Y. Filed July 16, 1935.

CORRECT ATTIRE GYM-A-TYRE

The expression "Gym-A-Tyre" is disclaimed apart from the complete trade-mark shown. No claim is made to the notation "Correct Attire".
For Football, Hockey, Skating, and Training Jersies; Sweat Shirts, Basketball Shirts, Swim Shirts, Tank Suits; Swimming, Rowing, Boxing, and Wrestling Trunks; Basketball Pants, Sweat Pants, Full Length Tights, Combination Suits, Toques, Coat Sweaters, Athletic and Sport Hose, Young Ladies' Middies.
Claims use since June 12, 1935.

Ser. No. 368,867. W. E. STEPHENS MANUFACTURING COMPANY, INC., Nashville, Watertown and Pulaski, Tenn. Filed Aug. 30, 1935.

STEVE-WEAVE FABRIC

The words "Weave" and "Fabric" are disclaimed apart from the mark as shown on the drawing.
For Work Shirts.
Claims use since Aug. 1, 1935.

Ser. No. 372,208. ADA F. CLAWSON, Los Angeles, Calif. Filed Dec. 3, 1935.



The silhouette is that of applicant's minor daughter.
For Dresses, Vests, Panties, Outer Shirts, Under Shirts, and Slips for Children.
Claims use since Aug. 15, 1934.

Ser. No. 375,060. H. O. RONDEAU SHOE CO., INC., Farmington, N. H. Filed Feb. 20, 1936.

SANDALEVE

The word "Sandal" is disclaimed except in the association shown.
For Ladies' and Misses' Shoes Made of Leather, Canvas, Fabric, or Compositions, or Combinations Thereof.
Claims use since January, 1933.

Ser. No. 375,432. R. H. FYFE & Co., Detroit, Mich. Filed Mar. 2, 1936.

FYFE'S



For Childrens' Boots, Shoes, and Slippers Made of Leather, Fabric, Rubber, and Combinations of Said Materials.
Claims use since January, 1926.

Ser. No. 375,433. R. H. FYFE & Co., Detroit, Mich. Filed Mar. 2, 1936.

FYFES

The word "Detroit" is disclaimed except when used in connection with the mark shown.
For Men's, Women's, and Children's Boots, Shoes, and Slippers Made of Leather, Fabric, Rubber, and Combinations of Said Materials.
Claims use since January, 1875.

Ser. No. 375,502. FLEX-ARCH SHOES, INC., New York, N. Y. Filed Mar. 3, 1936.

FLEX ARCH SHOE

RELIEVES FOOT STRAIN

The words "Shoe" and "Relieves Foot Strain" are disclaimed.
For Shoes of Leather or Fabric or of Combinations of Such Materials.
Claims use since Oct. 10, 1934.

Ser. No. 375,744. ARNOLD CONSTABLE & CO., INC., New York, N. Y. Filed Mar. 9, 1936.

ARNOLD CONSTABLE
Miss Fifth Avenue Jr.
FIFTH AVE.-NEW YORK

The words "Fifth Ave." and "New York" are disclaimed apart from the mark.
For Dresses, Suits, Coats, Lingerie—Namely, Bloomers, Vests, Bandeaux, Chemises, Negligees, Slips, Petticoats, Shorts, Shirts, Costume Slips, Panties, and Step-ins (Drawers), Hosiery, Hats, Pajamas, Gloves of Leather or Fabric; Boots and Shoes Made of Leather, Rubber, and Fabric and/or Combinations Thereof, for Women and Misses.
Claims use since Oct. 23 1935.

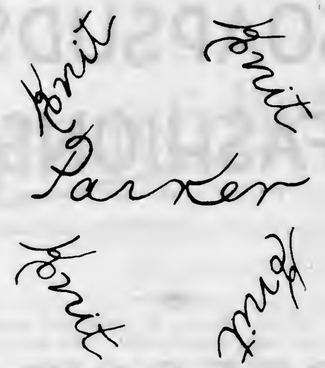
Ser. No. 376,045. GLORIOUS SPORTSWEAR CORP., New York, N. Y. Filed Mar. 16, 1936.

MINNEHAHA



The portrait is fanciful.
For Dresses for Women, Misses, and Children.
Claims use since Feb. 1, 1936.

Ser. No. 376,062. PARKER HOSIERY MILL & DYE WORKS, INC., Portsmouth, Va. Filed Mar. 16, 1936.



Applicant is the owner of registration Number 108,172. The word "Knit" is disclaimed apart from the mark shown. The name "Parker" is a facsimile signature in the penmanship of Joseph A. Parker.
For Hosiery.
Claims use since May 24, 1915.

Ser. No. 376,263. CARTER & CHURCHILL COMPANY, Lebanon, N. H. Filed Mar. 23, 1936.



For Coats, Mackinaws; Dress, Negligee, and Work Shirts; Overalls, Pants, Ski Jackets, Parkas, Ski Pants, Ski Caps and Mittens, Sport Coats, Jackets, Suits, and Top Coats for Men, Boys, Women, and Misses, and Snow Suits and Caps for Children.
Claims use since January, 1880.

Ser. No. 376,264. CARTER & CHURCHILL COMPANY, Lebanon, N. H. Filed Mar. 23, 1936.

PROFILE

For Coats, Mackinaws; Dress, Negligee, and Work Shirts, Overalls, Pants, Ski Jackets, Parkas, Ski Pants, Ski Caps and Mittens, Sport Coats, Jackets, Suits, and Top Coats for Men, Boys, Women, and Misses, Snow Suits and Caps for Children.
Claims use since March, 1892.

Ser. No. 376,267. DONNELLY GARMENT COMPANY, Kansas City, Mo. Filed Mar. 23, 1936.

SOAPSUDS FASHIONS

The word "Fashions" is disclaimed apart from the mark as shown.
For Women's and Children's Dresses and Frocks, Aprons and Smocks.
Claims use since Feb. 17, 1936.

Ser. No. 376,296. WALTON N. MOORE DRY GOODS COMPANY, INC., San Francisco, Calif. Filed Mar. 23, 1936.

CRESCITA

For Men's, Women's, Misses', and Children's Skirts, Slacks, Shorts, Culottes, Sweaters, Brassières, Pajamas, Nightgowns, Lingerie, Underwear, and Hosiery.
Claims use since Sept. 1, 1930.

Ser. No. 376,303. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Mar. 23, 1936.

Francines

For Bloomers, Panties, Vests, Chemises, Combinations—Namely, Vest and Bloomers, Slips, Gowns, and Pajamas for Women, Misses, and Children.
Claims use since December, 1928.

Ser. No. 376,350. H. J. JUSTIN & SONS, INCORPORATED, Fort Worth, Tex. Filed Mar. 24, 1936.

Gypsies

For Leather Boots.
Claims use since January, 1935.

Ser. No. 376,594. KENILWORTH MFG. CO., INC., New York, N. Y. Filed Mar. 30, 1936.

DUO-PED

For Women's Suits, Shorts, Slacks, Culottes, Skirts, and Gym Suits.
Claims use since Feb. 14, 1936.

Ser. No. 376,612. SIEGEL BROS. KIKI MAID COATS INC., New York, N. Y. Filed Mar. 30, 1936.

Kraqshire PLAID-BACK COATS

The words "Plaid-Back Coats" are claimed only in connection with the other features of the mark.
For Girls', Juniors', Misses', Little Women's, and Ladies' Suits and Coats.
Claims use since Jan. 2, 1936.

Ser. No. 376,636. LOS ANGELES KNITTING MILLS, LTD., Hollydale and Los Angeles, Calif. Filed Mar. 31, 1936.

californyennes

For Knitted Suits, Dresses, and Sweaters for Women and Misses.
Claims use since Feb. 10, 1936.

Ser. No. 376,697. SISSELMAN BROS., INC., New York, N. Y. Filed Apr. 1, 1936.

KULON COOL-ON

The term "Cool-On" is disclaimed apart from the mark.
For Ladies' and Misses' Coats and Suits.
Claims use since July, 1935.

Ser. No. 376,713. CAMLIN CORSET CO., INC., New York N. Y. Filed Apr. 2, 1936.

Camlin

For Corsets.
Claims use since Dec. 31, 1915.

Ser. No. 376,789. ALANSON HATS, INC., New York, N. Y. Filed Apr. 4, 1936.

Hatterdashree

For Men's, Women's, and Children's Hats.
Claims use since January, 1936.

Ser. No. 376,882. ABRAMS & LINDEN, INC., New York, N. Y. Filed Apr. 7, 1936.

Ramlin

The word "Quality" is disclaimed apart from the mark.
For Ladies' Fur Coats.
Claims use since January, 1936.

Ser. No. 376,927. WONDER CLOTHES, INC., Baltimore, Md. Filed Apr. 7, 1936.

WONDER CLOTHES

The word "Clothes" is disclaimed except in the combination shown.
For Men's and Boys' Clothing—Namely, Suits and Overcoats.
Claims use since February, 1910.

Ser. No. 377,044. ESSLEY SHIRT COMPANY INC., New York, N. Y. Filed Apr. 10, 1936.

WINDFLOW

For Outer Shirts and Dress Shirts for Men and Boys.
Claims use since Oct. 14, 1935.

Ser. No. 377,082. IRVING ROSNER, New York, N. Y. Filed Apr. 10, 1936.

Ajust-a-Bust

For Brassières, Corsets, Girdles, Bandeaux, and Foundation Garments.
Claims use since Mar. 31, 1936.

Ser. No. 377,088. MAISON BLANCHE COMPANY, New Orleans, La. Filed Apr. 10, 1936.

LORD SHANNON

For Men's Linen Suits.
Claims use since Mar. 30, 1936.

Ser. No. 377,182. DODGE TEXTILE COMPANY, INC., Providence, R. I. Filed Apr. 14, 1936.



PRIDE of the BLOSSOM

For Aprons.
Claims use since Feb. 4, 1936.

Ser. No. 377,234. RIVERSIDE UNDERWEAR CO., New York, N. Y. Filed Apr. 15, 1936.

Thrift-E-Boy

For Boys' Shirts and Blouses.
Claims use since Dec. 1, 1935.

Ser. No. 377,235. SAKS & COMPANY, New York, N. Y. Filed Apr. 15, 1936.

Sakstyle

For Women's and Misses' Corsets.
Claims use since Apr. 3, 1936.

Ser. No. 377,309. JOLLY KIDS GARMENT MFG. CO., Belding, Mich. Filed Apr. 17, 1936.

JOLLY. KIDSTOGS

The words "Kids Togs" are disclaimed.
For Infants' and Children's Play Suits, Pajamas, Suits, Coats, and Snow Suits, Bathrobes, Kimonos, Slips, Gowns, Creepers, and Baby Buntings.
Claims use since May 1, 1927.

Ser. No. 377,333. CANNON SHOE COMPANY, Baltimore, Md. Filed Apr. 14, 1936.

KAUFMAN BANNER LINE

The word "Line" is disclaimed except in association with the rest of the mark.
For Leather Shoes.
Claims use since Mar. 6, 1936.

Ser. No. 377,351. J. FRIEDMAN & CO. INC., New York, N. Y. Filed Apr. 18, 1936.

ROCKORA

For Men's Overcoats and Topcoats.
Claims use since March, 1936.

Ser. No. 377,410. JOSEPH J. NEFF, Rock Island, Ill. Filed Apr. 20, 1936.

NARRATOR
"Tells Its Own Story"

For Men's Suits, Top Coats, and Overcoats.
Claims use since Mar. 15, 1936.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 375,702. THE FIRST TEXTILE CORPORATION, New York, N. Y. Filed Mar. 7, 1936.

Derryene

For Piece Goods.
Claims use since Dec. 15, 1934.

Ser. No. 375,703. THE FIRST TEXTILE CORPORATION, New York, N. Y. Filed Mar. 7, 1936.

Meloene

For Piece Goods.
Claims use since Dec. 15, 1934.

Ser. No. 376,194. THE CURVON CORPORATION, New York, N. Y. Filed Mar. 20, 1936.

CURVON JUNIOR

For Wool Fringed Steamer Rugs, Driving Rugs, and Pram Rugs.
Claims use since Feb. 5, 1936.

Ser. No. 376,195. THE CURVON CORPORATION., New York, N. Y. Filed Mar. 20, 1936.

CURVON JUMBO

For Wool Fringed Steamer Rugs, Driving Rugs, and Pram Rugs.
Claims use since Feb. 7, 1936.

Ser. No. 376,638. MANDEE FABRICS, INC., New York, N. Y. Filed Mar. 31, 1936.

Woven-Air "CONDITIONED" FABRIC

The words "Woven" and "Conditioned Fabric" are disclaimed apart from the mark.
For Textile Fabrics in the Piece, of Cotton, Wool, Silk, Rayon, and/or Combinations Thereof.
Claims use since November, 1935.

Ser. No. 376,724. HEDAYA IMPORTING CO., New York, N. Y. Filed Apr. 2, 1936.

HICO

For Handkerchiefs and Table Linens.
Claims use since Mar. 16, 1936.

Ser. No. 377,126. PAUL OUZOUNOFF, New York, N. Y. Filed Apr. 11, 1936.

GEOCRAFT

For Textile Fabrics of Cotton, Wool, Silk, Rayon and/or Combinations Thereof.
Claims use since Mar. 3, 1936.

Ser. No. 377,211. CAMPBELL CO., INC., New York, N. Y. Filed Apr. 15, 1936.

BANFLEX

For Piece Goods Used in the Manufacture of Collar Bands, Collars, and Shirts.
Claims use since Apr. 4, 1935.

Ser. No. 377,349. CARSON PIRIE SCOTT AND COMPANY, Chicago, Ill. Filed Apr. 18, 1936.

Dependon



The drawing is lined for yellow and gold.
For Carpets, Rugs, Textile Mats, Portieres, Lace Curtains, Bed-Spreads, Comforters, Silkoline, Textile Blankets, Batiste, Prints, Dotted Swiss, Towels, India Linon, Handkerchiefs, Table Linen, Linings, Wool, Cotton, and Wash Dress Goods, and Percale. Dress Fabric, Ticking, Cheviot, Muslin, Cotton, Lining; Wool, Sateen, Gingham, and Silk Piece Goods.
Claims use since July 9, 1906.

Ser. No. 377,450. BARTMANN & BIXER, INC., New York, N. Y. Filed Apr. 21, 1936.

BEE BEE-FLOC

The word "Floc" is disclaimed apart from the mark as shown.
For Curtains Composed of Cotton or Artificial Silk.
Claims use since Apr. 15, 1936.

Ser. No. 377,530. ALLIANCE SILK CO., New York, N. Y. Filed Apr. 23, 1936.

BONUS STRIPES

No claim is made to the word "Stripes".
For Silk, Linen, Rayon, and Foulard Fabrics in the Piece.
Claims use since Apr. 15, 1936.

Ser. No. 377,569. BIANCHINI FERIER, INC., New York, N. Y. Filed Apr. 24, 1936.

Marquanza

For Silk Piece Goods.
Claims use since Apr. 12, 1932.

CLASS 43

Thread and Yarn

Ser. No. 376,180. JACOB E. PEARL, doing business as Pearl Yarn Company, New York, N. Y. Filed Mar. 19, 1936.

ZEPHASPUN

For Yarns of Cotton, Wool, Worsted, Rayon, Angora, Cashmere, and Mixtures Thereof.
Claims use since Mar. 11, 1936.

Ser. No. 377,172. A. & H. SHILLMAN COMPANY, INC., Baltimore, Md. Filed Apr. 13, 1936.

NANTONG

For Yarns and Threads for Needle Work.
Claims use since Mar. 27, 1936.

Ser. No. 377,288. EASTERN, INC., Brooklyn, N. Y. Filed Apr. 20, 1936.

WILLOW

For Yarns.
Claims use since Oct. 1, 1929.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 375,003. APOLA EXTRACT & SYRUP CORPORATION, New York, N. Y. Filed Feb. 19, 1936.

APOLA

For Non-Alcoholic Maltless Beverages and Extracts and Syrups Used in Making the Same.
Claims use since June 10, 1935.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 363,563. MUSCHERT-REEVES & COMPANY, Trenton, N. J. Filed Apr. 9, 1935.

Del-Valley

For Canned Vegetables and Mayonnaise.
Claims use since July, 1933.

Ser. No. 367,716. GREEN MOUNTAIN DAIRY PRODUCTS, INC., Burlington, Vt. Filed July 26, 1935.

Green Mountain Belle

For Butter.
Claims use since May, 1935.

Ser. No. 368,523. THE 5¢ CUP INC. OF NEW JERSEY, Edgewater, N. J. Filed Aug. 21, 1935.



The drawing is lined for red.
For Preserved Food Products—Namely, Apple Jelly Mint Flavored, Maple Flavored Table Syrup, Citrus Fruit Marmalade, Cranberry Jelly, Fruit Honey (Composed of Pure Honey and Fruit Juices), and Grapefruit Table Syrup.
Claims use since June 15, 1935.

Ser. No. 370,108. LANCASTER INC., Los Angeles, Calif. Filed Oct. 7, 1935.

SUN-D

For Vitamin D Concentrate to Be Added to Foods for Both Human and Animal Consumption.
Claims use since Sept. 4, 1935.

Ser. No. 370,657. FLORAY PRODUCTS, INC., Cincinnati, Ohio. Filed Oct. 22, 1935.

DEC-O-EAT

For Candy for Decorating Cakes, Desserts, Salads, Ice Cream, and Other Similar Products.
Claims use since Oct. 15, 1935.

Ser. No. 373,337. MICHAEL FEINBERG, doing business as Feinberg Kosher Sausage Company, Minneapolis, Minn. Filed Jan. 4, 1936.



Applicant disclaims the following wording: "Feinberg Kosher Sausage Co.", the star within the concentric circle and the Jewish characters within the confines of the star, and the word "Co."
For Sausage.
Claims use since November, 1934.

Ser. No. 373,822. THE EXCHANGE ORANGE PRODUCTS COMPANY, Ontario, Calif. Filed Jan. 18, 1936.

Californange

For Concentrated Citrus Juices, Canned Citrus Juices, Citrus Juice Syrups, Flavoring Emulsions and Extracts, Citrus Juice Preparations Used as Ice Cream Bases, Canned Shredded Citrus Fruit, Canned Citrus Fruit Juice Sacs, All Used for Food Purposes.
Claims use since Apr. 1, 1925.

Ser. No. 374,077. THE CURTISS CANDY COMPANY, Chicago, Ill. Filed Jan. 25, 1936.

TAFFEE GIRAFFEE

The word "Taffee" is disclaimed apart from the mark.
For Candy.
Claims use since Nov. 1, 1935.

Ser. No. 374,147. DANA W. BROWN, doing business as The Lincoln Coffee Company, Detroit, Mich. Filed Jan. 27, 1936.

Garden Fresh

The word "Fresh" is disclaimed apart from the mark.
For Tea.
Claims use since Dec. 1, 1935.

Ser. No. 374,341. ROY E. ROBERTS, doing business as Thomas Kensett & Company and Lord-Mott Company, Baltimore, Md. Filed Jan. 31, 1936.

IMPERIAL
BRAND



The word "Brand" is disclaimed apart from the mark.
For Canned Dog Food.
Claims use since May 1, 1935.

Ser. No. 376,003. PACIFIC PACKING CO., Oakdale, Calif. Filed Mar. 14, 1936.



No claim is made to the outline of a label.
For Canned Vegetables—Namely, Canned Spinach.
Claims use since Feb. 8, 1936.

Ser. No. 376,311. VIRGINIA GROVES, INC., Riverside, Calif. Filed Mar. 23, 1936.

VIRGINIA



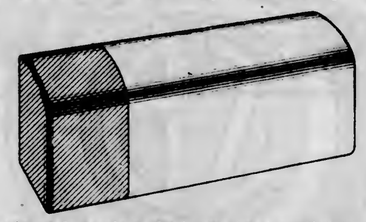
The term "Virginia" is disclaimed apart from the mark. The portrait is that of Dorothy June Igo.
For Fresh Citrus Fruit.
Claims use since Nov. 20, 1935.

Ser. No. 376,430. GENERAL DESSERTS CORPORATION, New York, N. Y. Filed Mar. 26, 1936.

CUPA-JAVA

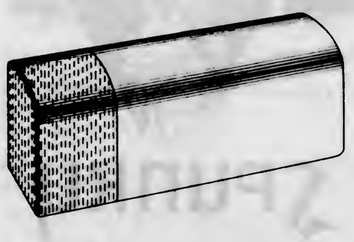
The word "Java" is disclaimed apart from the mark shown.
For Coffee Concentrate.
Claims use since Feb. 27, 1936.

Ser. No. 376,808. THE W. E. LONG CO., doing business as The Holsum Bakery, Chicago, Ill. Filed Apr. 4, 1936.



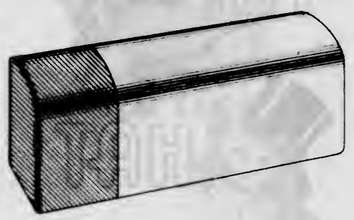
Trade-mark consists of a brown band applied to one end of the wrapper enclosing a loaf of bread and constituting approximately one-third thereof. The representation of the goods is disclaimed.
For Bread.
Claims use since Feb. 1, 1935.

Ser. No. 376,809. THE W. E. LONG CO., doing business as The Holsum Bakery, Chicago, Ill. Filed Apr. 4, 1936.



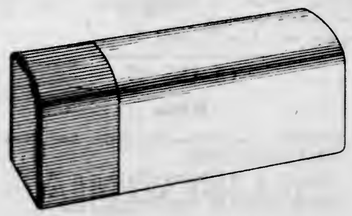
Trade-mark consists of a purple band applied to one end of the wrapper enclosing a loaf of bread and constituting approximately one-third thereof. The representation of the goods is disclaimed.
For Bread.
Claims use since Feb. 1, 1935.

Ser. No. 376,810. THE W. E. LONG CO., doing business as The Holsum Bakery, Chicago, Ill. Filed Apr. 4, 1936.



Trade-mark consists of a green band applied to one end of the wrapper enclosing a loaf of bread and constituting approximately one-third thereof. The representation of the goods is disclaimed.
For Bread.
Claims use since Nov. 1, 1935.

Ser. No. 376,811. THE W. E. LONG CO., doing business as The Holsum Bakery, Chicago, Ill. Filed Apr. 4, 1936.



Trade-mark consists of a blue band applied to one end of the wrapper enclosing a loaf of bread and constituting approximately one-third thereof. The representation of the goods is disclaimed.
For Bread.
Claims use since Aug. 20, 1934.

Ser. No. 377,316. NATIONAL COAST PRODUCTS CORPORATION, Swedesboro, N. J. Filed Apr. 17, 1936.



For Canned Dog and Cat Food.
Claims use since Mar. 9, 1936.

Ser. No. 377,317. NATIONAL COAST PRODUCTS CORPORATION, Swedesboro, N. J. Filed Apr. 17, 1936.



For Canned Dog and Cat Food.
Claims use since Mar. 9, 1936.

Ser. No. 377,553. JOSEPH MIDDLEBY, JR., INC., Boston, Mass. Filed Apr. 23, 1936.

MIDCO

For Baking Powder for Use in Making Cakes, Biscuits, and Other Baked Products.
Claims use since June 25, 1931.

CLASS 47

Wines

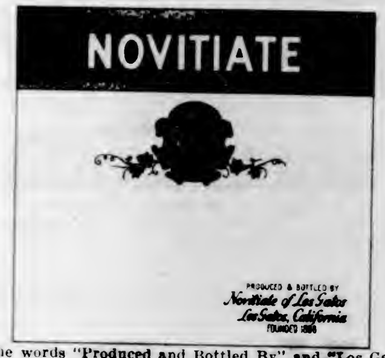
Ser. No. 366,686. CANNIZZARO WINE CO., INC., New York, N. Y. Filed June 25, 1935.

CALIFORNIA BEAUTY



For Wines in Bottles and Barrels.
Claims use since Apr. 1, 1935.

Ser. No. 370,624. NOVITIATE OF LOS GATOS, Los Gatos, Calif. Filed Oct. 21, 1935.



The words "Produced and Bottled By" and "Los Gatos, California" are disclaimed apart from the trade-mark.
For Wines.
Claims use since 1888.

Ser. No. 375,153. CHARLES LIVOTI, doing business as Chas. Livoti Co., Roseville, Calif. Filed Feb. 24, 1936.

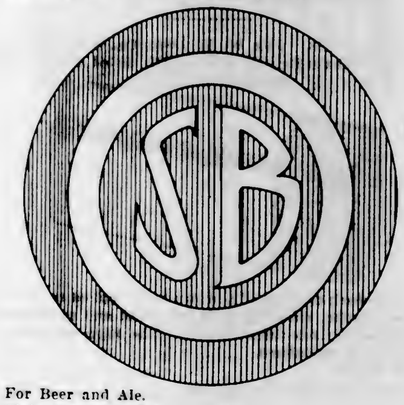


The word "Brand" is disclaimed apart from the mark as shown.
For Wine.
Claims use since Aug. 17, 1935.

CLASS 48

Malt Beverages and Liquors

Ser. No. 376,359. OLD SOUTH BREWING COMPANY, INC., Statesville, N. C. Filed Mar. 24, 1936.



For Beer and Ale.
Claims use since Feb. 1, 1936.

Ser. No. 376,757. GERHARD LANG BREWERY, Buffalo, N. Y. Filed Apr. 3, 1936.

TRUKEG

For Beer Sold in Bottles.
Claims use since Mar. 20, 1936.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 369,602. COMPANIA RON BACARDI, S. A., Santiago, Cuba. Filed Sept. 23, 1935.



For Rum.
Claims use since June 26, 1935.

Ser. No. 376,716. MAURICE CLAVIERES, doing business as Les Successeurs de F. Cazanove, Bordeaux, France Filed Apr. 2, 1936. Under 10-year proviso.





For Cordials and Liqueurs.
Claims use since Aug. 31, 1855.

Ser. No. 377,453. BOUTILLIER, DELAURIÈRE & CO., Cognac, France. Filed Apr. 21, 1936.

JÉRÔME NAPOLÉON

For Cognac.
Claims use since 1915.

Ser. No. 377,503. GLASER BROS., San Francisco, Calif. Filed Apr. 22, 1936.

YACHT CLUB

The word "Club" is disclaimed apart from the mark as shown.
For Rum, Whiskey, Gin, Brandy, and Alcoholic Cordials.
Claims use since Dec. 10, 1933.

Ser. No. 377,566. THE AMERICAN MEDICINAL SPIRITS CORPORATION, Louisville, Ky. Filed Apr. 24, 1936.

"SINCE 1788"

For Whiskey.
Claims use since May 20, 1927.

Ser. No. 377,930. JOHN H. MILLER, doing business as Miller Bros., Baltimore, Md. Filed May 2, 1936. Under 10-year proviso.



For Whiskey, Gin, Rum, Brandy, Cognac, and Alcoholic Cordials.
Claims use since 1875.

Ser. No. 377,932. E. MUGGE COMPANY, INCORPORATED, Tampa, Fla. Filed May 2, 1936. Under 10-year proviso.



For Whiskey, Gin, Rum, Brandy, Cognac, and Alcoholic Cordials.
Claims use since 1890.

Ser. No. 377,938. PIERCE & HEBNER, INCORPORATED, Baltimore, Md. Filed May 2, 1936.

THE HEATHEN

For Whiskey, Gin, Brandy, Rum, Cognac, and Alcoholic Cordials.
Claims use since Apr. 2, 1936.

Ser. No. 378,013. HIRAM WALKER & SONS INC., Peoria, Ill. Filed May 4, 1936.

Stilmore

For Whiskey.
Claims use since Apr. 2, 1936.

Ser. No. 378,014. HIRAM WALKER & SONS INC., Peoria, Ill. Filed May 4, 1936.

Rainy Weather

For Whiskey.
Claims use since Apr. 2, 1936.

Ser. No. 378 015. HIRAM WALKER & SONS INC., Peoria, Ill. Filed May 4, 1936.

Coast Line

For Whiskey.
Claims use since Apr. 2, 1936.

Ser. No. 378,020. HIRAM WALKER & SONS INC., Peoria, Ill. Filed May 4, 1936.

Briar Patch

For Whiskey.
Claims use since Apr. 2, 1936.

Ser. No. 378,021. HIRAM WALKER & SONS INC., Peoria, Ill. Filed May 4, 1936.

Tanwood

For Whiskey.
Claims use since Apr. 2, 1936.

Ser. No. 378,046. JOSSELSON BROS., INC., Ashland, Ky. Filed May 5, 1936.

Kentucky Hunter

For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Aug. 19, 1935.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 376,691. ALFRED A. LEE, Dayton, Ohio. Filed Apr. 1, 1936.

BASSONITE

For Bung Plugs for Kegs.
Claims use since Jan. 15, 1934.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 9, 1936

335,517. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & Co. INC., New York, N. Y.
Filed November 29, 1935. Serial No. 372,080. PUBLISHED MARCH 3, 1936. Class 42.

335,518. COMBINATION SILK AND ACETATE FABRIC, I. E., A FABRIC CONTAINING FIFTY PERCENT SILK AND FIFTY PERCENT ACETATE. STUNZI SONS SILK CO. INC., New York, N. Y.
Filed November 23, 1935. Serial No. 371,947; PUBLISHED MARCH 24, 1936. Class 42.

335,519. PIECE GOODS OF SILK, COTTON, AND RAYON, AND PIECE GOODS OF MIXTURES OF THESE MATERIALS. ALBERT H. VANDAM CO., INC., New York, N. Y.
Filed November 23, 1935. Serial No. 371,944. PUBLISHED MARCH 10, 1936. Class 42.

335,520. PHOTOGRAPHIC PRINT PACKAGES—NAMELY, DEVELOPING, FIXING, AND TONING CHEMICALS, FERRICYANIDE, HYDROCHLORIC ACID, AND HYPO. DEFENDER PHOTO SUPPLY COMPANY, INC., Rochester, N. Y.
Filed November 21, 1935. Serial No. 371,809. PUBLISHED MARCH 17, 1936. Class 6.

335,521. CURTAINS COMPOSED OF COTTON OR ARTIFICIAL SILK. BARTMANN & BIXER, INC., New York, N. Y.
Filed November 19, 1935. Serial No. 371,720. PUBLISHED MARCH 24, 1936. Class 42.

335,522. CURTAINS COMPOSED OF COTTON OR ARTIFICIAL SILK. BARTMANN & BIXER, INC., New York, N. Y.
Filed November 19, 1935. Serial No. 371,719. PUBLISHED MARCH 24, 1936. Class 42.

335,523. CURTAINS COMPOSED OF COTTON OR ARTIFICIAL SILK. BARTMANN & BIXER, INC., New York, N. Y.
Filed November 19, 1935. Serial No. 371,718. PUBLISHED MARCH 24, 1936. Class 42.

335,524. PERFUMES. EVELYN HORNSBY MIMS, Fort Worth, Tex.
Filed November 16, 1935. Serial No. 371,646. PUBLISHED MARCH 17, 1936. Class 6.

335,525. ARCHITECTURAL MOLDINGS FOR DECORATIVE PURPOSES. COLONIAL SALES CORPORATION, New York, N. Y.
Filed November 16, 1935. Serial No. 371,623. PUBLISHED MARCH 24, 1936. Class 12.

335,526. BITUMINOUS ASPHALT PAVING MATERIAL. SAMUEL J. TOMASELLO, Dorchester, Boston, Mass.
Filed November 14, 1935. Serial No. 371,562. PUBLISHED MARCH 24, 1936. Class 12.

335,527. BOOKS. GISÈLE GARNIER, NÉE D'ASSAILLY, Paris, France.
Filed November 13, 1935. Serial No. 371,492. PUBLISHED MARCH 24, 1936. Class 38.

335,528. SURGICAL SOCKET DRESSING. QUINTIN L. SOFFEL, Oak Park, Ill., assignor to Postex Laboratories, Inc., Oak Park, Ill., a corporation of Illinois.
Filed October 22, 1935. Serial No. 370,678. PUBLISHED MARCH 17, 1936. Class 6.

335,529. CLEANSING CREAM, TISSUE CREAM, FINISHING CREAM, SKIN FRESHENER, FACE POWDER, ROUGE, LIPSTICK, SHAMPOO, BRILLIANTINE, PERFUMES. EX-CEL-CIS BEAUTY PRODUCTS COMPANY, Salt Lake City, Utah.
Filed November 11, 1935. Serial No. 371,424. PUBLISHED MARCH 24, 1936. Class 6.

335,530. ABSORBENT LIQUIDS FOR CONDITIONING AIR OR OTHER GASES. SURFACE COMBUSTION CORPORATION, Toledo, Ohio.
Filed November 9, 1935. Serial No. 371,401. PUBLISHED MARCH 17, 1936. Class 6.

335,531. SHEET METAL BENDING MACHINES, POWER OPERATED SHEET METAL SHEARS, AND SHEET METAL WORKING TOOLS INCLUDING RAISING BLOCKS, SEAMING STAKES, FORMING BLOCKS AND POSTS, HAND PUNCHES, FLANGING BLOCKS, DOLLIES, AND CLAMP PLATES. GLASCOCK BROS. MFG. CO., Muncie, Ind.
Filed November 8, 1935. Serial No. 371,344. PUBLISHED MARCH 31, 1936. Class 23.

335,532. HOSIERY. TOWER HOSIERY MILLS, INC., Burlington, N. C.
Filed November 6, 1935. Serial No. 371,277. PUBLISHED MARCH 24, 1936. Class 39.

335,533. COMPACTS AND CIGARETTE CASES MADE OF AND/OR PLATED IN WHOLE OR IN PART WITH PRECIOUS METAL AND/OR ALSO JEWELED WITH ORNAMENTS. WALTER LAMPL, New York, N. Y.
Filed November 5, 1935. Serial No. 371,218. PUBLISHED MARCH 24, 1936. Class 28.

335,534. ASTRINGENTS, CLEANSING CREAM, ALL PURPOSE CREAMS, VANISHING CREAMS, AND DEODORANT. FRANCIS ELMQUIST, doing business as House of Twigs, Kansas City, Mo.
Filed November 4, 1935. Serial No. 371,143. PUBLISHED MARCH 17, 1936. Class 6.

335,535. ASTRINGENTS, CLEANSING CREAM, ALL PURPOSE CREAMS, VANISHING CREAMS, AND DEODORANT. FRANCIS ELMQUIST, doing business as House of Twigs, Kansas City, Mo.
Filed November 4, 1935. Serial No. 371,142. PUBLISHED MARCH 17, 1936. Class 6.

335,536. EMBALMING PREPARATION. L. ROY DAVENPORT, doing business as Embalming Research Institute, Chicago, Ill.
Filed October 23, 1935. Serial No. 370,698. PUBLISHED MARCH 17, 1936. Class 6.

335,537. PHARMACEUTICAL PRODUCT HAVING THE PROPERTIES OF QUININE. VICTOR HELIN, Chateauroux (Indre), France.
Filed December 19, 1935. Serial No. 372,833. PUBLISHED MARCH 31, 1936. Class 6.

335,538. PICKLES, SALAD DRESSING, VINEGAR, SANDWICH SPREAD, PEANUT BUTTER, TOMATO CATSUP, OLIVES, MAYONNAISE, MUSTARD, TABLE SYRUP, AND FRUIT PRESERVES. J. J. GIBLOW & SONS, INC., doing business as M. & R. Trading Company, Detroit, Mich.
Filed December 19, 1935. Serial No. 372,829. PUBLISHED MARCH 31, 1936. Class 46.

335,539. DYESTUFFS FOR TEXTILES, RESINS, OILS, FOODS, AND GENERAL INDUSTRIAL USES. AMERICAN ANILINE PRODUCTS, INC., New York, N. Y.
Filed December 19, 1935. Serial No. 372,812. PUBLISHED MARCH 17, 1936. Class 6.

335,540. FACE AND HAND LOTION. MARIE GILLEM, New York, N. Y.
Filed December 16, 1935. Serial No. 372,711. PUBLISHED MARCH 17, 1936. Class 6.

335,541. PLASTIC GASKET AND PIPE THREAD COMPOUNDS. NATIONAL BOILER IMPROVEMENT CO., Washington, D. C.
Filed December 16, 1935. Serial No. 372,681. PUBLISHED MARCH 24, 1936. Class 12.

335,542. COMPOUND TO BE ADDED TO STARCH USED IN LAUNDRIES PRIOR TO THE COOKING OF STARCH. CRESCENT CHEMICAL CORPORATION, Philadelphia, Pa.
Filed December 16, 1935. Serial No. 372,657. PUBLISHED MARCH 17, 1936. Class 6.

335,543. NITRATE OF SODA. CHILEAN NITRATE SALES CORPORATION, New York, N. Y.
Filed December 13, 1935. Serial No. 372,586. PUBLISHED MARCH 17, 1936. Class 6.

335,544. MEDICINES AND PHARMACEUTICAL PREPARATIONS—NAMELY, HYPNOTICS, SEDATIVES, AND SPASMOLYTICS. E. TAESCHNER CHEMISCH-PHARMAZEUTISCHE FABRIK, Potsdam, Germany.
Filed November 26, 1935. Serial No. 372,153. PUBLISHED MARCH 17, 1936. Class 6.

335,545. ETHERIC VIBRATORS FOR DEVELOPING ETHERIC WAVES TO INCREASE THE STRENGTH AND VIGOR OF HUMAN BEINGS AND OTHER ANIMALS, AND FOR THE TREATMENT OF DISEASE. DOCTOR AND MRS. CRUM, Indianapolis, Ind.
Filed January 17, 1936. Serial No. 373,777. PUBLISHED MARCH 31, 1936. Class 44.

335,546. FACE POWDER. POND'S EXTRACT COMPANY, New York, N. Y.
Filed January 17, 1936. Serial No. 373,800. PUBLISHED MARCH 31, 1936. Class 6.

335,547. HAIR TONIC. MICHAEL P. SIMON, Cloverdale, Pa.
Filed January 18, 1936. Serial No. 373,842. PUBLISHED MARCH 24, 1936. Class 6.

335,548. CONVEYORS FOR USE IN INDUSTRIAL AND MANUFACTURING PLANTS, SUCH AS OVERHEAD CHAIN POWER TROLLEY CONVEYORS, TWO STRAND CHAIN OVEN CONVEYORS, DRAG LINE CONVEYORS, ETC. JERVIS B. WEBB COMPANY, Detroit, Mich.
Filed January 18, 1936. Serial No. 373,850. PUBLISHED MARCH 31, 1936. Class 23.

335,549. MONTHLY PERIODICAL. AMERICAN FARM BUREAU FEDERATION, Chicago, Ill.
Filed January 20, 1936. Serial No. 373,859. PUBLISHED MARCH 24, 1936. Class 38.

335,550. PERIODICAL. THE BILLBOARD PUBLISHING COMPANY, doing business as Direct Buying Publishing Company, Cincinnati, Ohio.
Filed December 10, 1935. Serial No. 372,456. PUBLISHED MARCH 24, 1936. Class 38.

335,551. MEDICINE FOR THE TREATMENT OF IMPETIGO, PSORIASIS, RINGWORM, INFECTIONS OF ANY SUPERFICIAL KIND, TRENCH MOUTH, SORE THROAT, TONSILITIS, AND WOUNDS. M. J. SMITH, doing business as Algeria Chemical Company, McAllen, Tex.
Filed December 9, 1935. Serial No. 372,437. PUBLISHED MARCH 17, 1936. Class 6.

335,552. MILK, POWDERED MILK, DRIED SKIM MILK, CHOCOLATE MILK, BUTTERMILK, CREAM, SWEET CREAM, SOUR CREAM, ICE CREAM, CHEESE, POT CHEESE, AND COTTAGE CHEESE. DAIRYMEN'S LEAGUE CO-OPERATIVE ASSOCIATION, INC., Utica and New York, N. Y.
Filed February 6, 1936. Serial No. 374,551. PUBLISHED MARCH 31, 1936. Class 46.

335,553. TEXTILE RUGS. STRAWBRIDGE & CLOTHIER, Philadelphia, Pa.
Filed January 15, 1936. Serial No. 373,705. PUBLISHED MARCH 17, 1936. Class 42.

335,554. REFRACTORY BRICKS, REFRACTORY CEMENT, INSULATING BLOCKS, INSULATING BRICKS, INSULATING CEMENT, AND FABRICATED MINERAL WOOL PIPE COVERING. THE EAGLE-PICHER LEAD COMPANY, Cincinnati, Ohio.
Filed January 15, 1936. Serial No. 373,709. PUBLISHED MARCH 24, 1936. Class 12.

335,555. REFRACTORY BRICKS, REFRACTORY CEMENT, INSULATING BLOCKS, INSULATING BRICKS, INSULATING CEMENT, FABRICATED MINERAL WOOL PIPE COVERING. THE EAGLE-PICHER LEAD COMPANY, Cincinnati, Ohio.
Filed January 15, 1936. Serial No. 373,710. PUBLISHED MARCH 24, 1936. Class 12.

335,556. TABLET FOR THE RELIEF OF HEAD COLDS. CLEAR-AGAIN, INC., Chicago, Ill.
Filed January 16, 1936. Serial No. 373,723. PUBLISHED MARCH 24, 1936. Class 6.

335,557. PERIODICAL PUBLICATION. NATIONAL RETAILER-OWNED GROCERS, INC., Chicago, Ill.
Filed January 16, 1936. Serial No. 373,742. PUBLISHED MARCH 24, 1936. Class 38.

335,558. KNITTED FABRIC MADE OF WOOL, LINEN, OR COTTON. SCHEATON GLOVE CORPORATION, New York, N. Y.
Filed January 16, 1936. Serial No. 373,755. PUBLISHED MARCH 31, 1936. Class 42.

335,559. ELECTRICAL INSULATORS. THE STAR PORCELAIN COMPANY, Trenton, N. J.
Filed January 16, 1936. Serial No. 373,756. PUBLISHED MARCH 31, 1936. Class 21.

335,560. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed November 29, 1935. Serial No. 372,081. PUBLISHED MARCH 3, 1936. Class 42.

335,561. CURTAINS MADE OF COTTON OR ARTIFICIAL SILK. BARTMANN & BIXER, INC., New York, N. Y.
Filed January 15, 1936. Serial No. 373,663. PUBLISHED MARCH 31, 1936. Class 42.

335,562. WINES. PETRI CIGAR CO., doing business as Petri Wine Company, San Francisco, Calif.
Filed December 19, 1935. Serial No. 372,854. PUBLISHED MARCH 31, 1936. Class 47.

335,563. SKIN CREAM. DEN-WAY LABORATORIES, Newark, N. J.
Filed December 20, 1935. Serial No. 372,870. PUBLISHED MARCH 17, 1936. Class 6.

335,564. DENATURED ALCOHOL. DESTILERIA SERRALLES, INC., Ponce, P. R.
Filed December 20, 1935. Serial No. 372,871. PUBLISHED MARCH 17, 1936. Class 6.

335,565. A LINIMENT FOR HUMAN USE AS AN AID IN INFLAMMATION, CANCER, NEURITIS, RHEUMATISM, NEURALGIA, PAIN IN CHEST, SPRAINS, BRUISES, PLEURISY, AND SORE THROAT. CRAYTON N. PLACE, Belpre, Ohio.
Filed December 20, 1935. Serial No. 372,891. PUBLISHED MARCH 24, 1936. Class 6.

335,566. WOOLEN PIECE GOODS. ROCK HILL WOOLENS INC., New York, N. Y.
Filed December 20, 1935. Serial No. 372,895. PUBLISHED MARCH 3, 1936. Class 42.

335,567. WINE. CALIFORNIA GROWERS WINERIES INC., Fresno, Calif.
Filed December 23, 1935. Serial No. 372,959. PUBLISHED MARCH 31, 1936. Class 47.

335,568. SHEETS AND PILLOW CASES. MARCUS BROTHERS, New York, N. Y.
Filed January 28, 1936. Serial No. 374,006. PUBLISHED MARCH 24, 1936. Class 42.

335,569. EXERCISING MACHINES. MARLOWE PRODUCTS, INC., New Rochelle, N. Y.
Filed January 23, 1936. Serial No. 374,009. PUBLISHED MARCH 31, 1936. Class 22.

335,570. NEWSPAPER EDITORIAL COLUMN. WALLACE I. GOULD, Canaan, N. H.
Filed January 15, 1936. Serial No. 373,687. PUBLISHED MARCH 24, 1936. Class 38.

335,571. TIE RACKS. THE CRAVATOR CO., New York, N. Y.
Filed December 9, 1935. Serial No. 372,396. PUBLISHED MARCH 31, 1936. Class 32.

335,572. TOILET SOAP, SHAVING SOAP, SHAVING CREAM, AND CONTAINERS IN WHICH SUCH GOODS ARE PACKED IN THE FORM OF UNITARY SALES PACKAGES. GLEN E. DYER, doing business as Twin Products Co., Los Angeles, Calif.
Filed December 7, 1935. Serial No. 372,353. PUBLISHED MARCH 31, 1936. Class 4.

335,573. PUBLICATION DEVOTED TO OFFERINGS OF MUNICIPAL BONDS. THE BLUE LIST PUBLISHING COMPANY, INC., New York, N. Y.
Filed December 7, 1935. Serial No. 372,246. PUBLISHED MARCH 24, 1936. Class 38.

335,574. TOILET PAPER. INTERNATIONAL CELLUCOTTON PRODUCTS COMPANY, Chicago, Ill.
Filed December 5, 1935. Serial No. 372,280. PUBLISHED MARCH 31, 1936. Class 37.

335,575. FOOT POWDER. CARL AMMENHEUSER, Los Angeles, Calif.
Filed February 10, 1936. Serial No. 374,649. PUBLISHED MARCH 31, 1936. Class 6.

335,576. PAPER-MAKING FELTS. F. C. HUYCK & SONS, Rensselaer and Albany, N. Y.
Filed February 11, 1936. Serial No. 374,646. PUBLISHED MARCH 31, 1936. Class 50.

335,577. SHAVING CREAMS OF BOTH THE LATHER AND BRUSHLESS TYPES. JOCKEY RAZOR BLADE CO. INC., New York, N. Y.
Filed February 8, 1936. Serial No. 374,621. PUBLISHED MARCH 31, 1936. Class 4.

335,578. QUICK DRY PAINT ENAMELS, PORCH AND FLOOR PAINT ENAMELS, AND SCREEN PAINT ENAMELS. THE CON-FERRO PAINT AND VARNISH COMPANY, St. Louis, Mo.
Filed February 8, 1936. Serial No. 374,615. PUBLISHED MARCH 31, 1936. Class 16.

335,579. VARNISH STAINS, PAINT ENAMELS, SPAR VARNISH, LINOLEUM VARNISH, FLOOR VARNISH, GENERAL PURPOSE VARNISH, AND READY-MIXED PAINTS. THE CON-FERRO PAINT AND VARNISH COMPANY, St. Louis, Mo.
Filed February 8, 1936. Serial No. 374,614. PUBLISHED MARCH 31, 1936. Class 16.

335,580. MOUTH HARMONICAS. S. S. KRESGE COMPANY, Detroit, Mich.
Filed February 7, 1936. Serial No. 374,595. PUBLISHED MARCH 31, 1936. Class 36.

335,581. CANNED VEGETABLES. H. P. TAYLOR, JR. INC., Richmond, Va.
Filed February 4, 1936. Serial No. 374,493. PUBLISHED MARCH 31, 1936. Class 46.

335,582. DRY WHITE LEAD, WHITE LEAD IN OIL, DRY RED LEAD, RED LEAD IN OIL, DRY BLUE LEAD, BLUE LEAD IN OIL, ETC. THE EAGLE-PICHER LEAD COMPANY, Cincinnati, Ohio.
Filed February 6, 1936. Serial No. 374,554. PUBLISHED MARCH 31, 1936. Class 16.

335,583. AUTOMOBILE FURNITURE, AND WOODWORK POLISH AND CLEANER. MARTIN J. CABANA, INC., Buffalo, N. Y.
Filed February 6, 1936. Serial No. 374,550. PUBLISHED MARCH 31, 1936. Class 16.

335,584. CIGARETTES. ARTHUR FALK, doing business as Fairfax Tobacco Co., New York, N. Y.
Filed February 5, 1936. Serial No. 374,515. PUBLISHED MARCH 31, 1936. Class 17.

335,585. CANNED VEGETABLES. TAYLOR & SLEDD, INC., Richmond, Va.
Filed February 4, 1936. Serial No. 374,496. PUBLISHED MARCH 31, 1936. Class 46.

335,586. BILLIARD CLOTH, BROADCLOTH, AUTOMOBILE AND CARRIAGE CLOTH, LININGS FOR CARRIAGES, SACKINGS, SHIRTINGS, UNDERCOLLAR CLOTH, AND CLOAKING. THE SAXON WOOLEN CORP., Norwichtown, Conn.
Filed February 4, 1936. Serial No. 374,483. PUBLISHED MARCH 31, 1936. Class 42.

335,587. SWEET MILK. MILTON W. POWELL, doing business as The Baltimore Dairy Company, Baltimore, Md.
Filed February 4, 1936. Serial No. 374,478. PUBLISHED MARCH 31, 1936. Class 46.

335,588. PREPARATION FOR CLEANING, WASHING, AND POLISHING NATURAL AND ARTIFICIAL DENTURE. WERNET DENTAL MFG. COMPANY, Brooklyn, N. Y.
Filed February 4, 1936. Serial No. 374,449. PUBLISHED MARCH 24, 1936. Class 4.

335,589. COTTON PIECE GOODS, VIZ., CORDUROY. HOCKMEYER BROS., INC., New York, N. Y.
Filed February 1, 1936. Serial No. 374,368. PUBLISHED MARCH 17, 1936. Class 42.

335,590. BEER. GABRIEL U. JOS. SEDLMAYR, SPATEN-FRANZISKANER-LEISTBRÄU A.-G. MÜNCHEN, Munich, Germany.
Filed January 30, 1936. Serial No. 374,289. PUBLISHED MARCH 31, 1936. Class 48.

335,591. LAXATIVE PREPARATIONS. VADSCO SALES CORPORATION, Long Island City, N. Y.
Filed January 29, 1936. Serial No. 374,260. PUBLISHED MARCH 31, 1936. Class 6.

335,592. TOWELS. SUPERBA TOWEL CO., Fall River, Mass.
Filed January 28, 1936. Serial No. 374,217. PUBLISHED MARCH 31, 1936. Class 42.

335,593. OILSTONES, HONES, WHET STONES, BENCH STONES, KNIFE SHARPENING STONES, AND ABRASIVE STONES. NORTON COMPANY, Worcester, Mass.
Filed January 28, 1936. Serial No. 374,204. PUBLISHED MARCH 24, 1936. Class 4.

335,594. HANDKERCHIEFS. CHELSEA SALES CORPORATION, New York, N. Y.
Filed December 13, 1935. Serial No. 372,585. PUBLISHED MARCH 3, 1936. Class 42.

335,595. RAYON PIECE GOODS. ARTHUR BEIR & CO., INC., New York, N. Y.
Filed December 11, 1935. Serial No. 372,503. PUBLISHED MARCH 3, 1936. Class 42.

335,596. PIECE GOODS OF WOOL AND SPUN RAYON MIXTURE. ARTHUR BEIR & CO., INC., New York, N. Y.
Filed December 11, 1935. Serial No. 372,502. PUBLISHED FEBRUARY 25, 1936. Class 42.

335,597. NEWSPAPER CARTOONS. FRANK DAVID MILLER, Denver, Colo.
Filed December 10, 1935. Serial No. 372,480. PUBLISHED MARCH 24, 1936. Class 38.

335,598. MEN'S AND BOYS' FELT AND STRAW HATS AND CLOTH CAPS, MEN'S SILK HATS AND FELT AND STRAW HATS FOR WOMEN AND CHILDREN. KENSINGTON HATS, INC., Philadelphia, Pa.
Filed December 10, 1935. Serial No. 372,477. PUBLISHED FEBRUARY 18, 1936. Class 39.

335,599. BASE METAL AND COMPOSITION JEWEL CASES. J. MILHENING, INC., Chicago, Ill.
Filed October 14, 1935. Serial No. 370,352. PUBLISHED MARCH 31, 1936. Class 2.

335,600. READY-MIXED PAINTS, SCREEN PAINT ENAMELS, STOVEPIPE PAINT ENAMELS, PREPARED SHELLAC, AND BRONZE PAINT. THE CON-FERRO PAINT AND VARNISH COMPANY, St. Louis, Mo.
Filed February 10, 1936. Serial No. 374,656. PUBLISHED MARCH 31, 1936. Class 16.

335,601. VARNISH STAIN. THE CON-FERRO PAINT AND VARNISH COMPANY, St. Louis, Mo.
Filed February 10, 1936. Serial No. 374,655. PUBLISHED MARCH 31, 1936. Class 16.

335,602. FEATURE PAGE OR COLUMN IN A REGULARLY PUBLISHED MAGAZINE. ROHAMA SIEGEL, New York, N. Y.
Filed January 27, 1936. Serial No. 374,166. PUBLISHED MARCH 24, 1936. Class 38.

335,603. CANNED FISH. OTTO L. KUEHN CO., Milwaukee, Wis.
Filed October 19, 1935. Serial No. 370,560. PUBLISHED MARCH 31, 1936. Class 46.

335,604. PRINTING PAPERS. THE D. M. BARE PAPER COMPANY, Roaring Spring, Pa.
Filed October 19, 1935. Serial No. 370,538. PUBLISHED MARCH 10, 1936. Class 37.

335,605. CHROMIC ACID; SODIUM DICHROMATE; CHROME TANNAGES; TANNER'S FAT LIQUORS, OILS, GREASES, AND WAXES; AND ALL CHEMICALS AND PREPARATIONS FOR USE IN THE LEATHER TANNING INDUSTRY. MARTIN DENNIS COMPANY, Newark, N. J.
Filed October 18, 1935. Serial No. 370,497. PUBLISHED MARCH 31, 1936. Class 6.

335,606. TOOTHPOWDER. THE CAMPUS TOOTHPOWDER COMPANY, doing business as The Campus Co. Inc., Dodge City, Kans.
Filed October 12, 1935. Serial No. 370,446. PUBLISHED MARCH 31, 1936. Class 6.

335,607. INKING RIBBONS USED WITH BUSINESS MACHINES—NAMELY, CALCULATING MACHINES, CASH REGISTERS, TYPEWRITERS, AND THE LIKE, AND CARBON PAPER. BURROUGHS ADDING MACHINE COMPANY, Detroit, Mich.
Filed October 16, 1935. Serial No. 370,409. PUBLISHED MARCH 31, 1936. Class 11.

335,608. CANNED CITRUS FRUITS. GRAPEFRUIT DISTRIBUTORS, INC., Davenport, Fla.
Filed February 10, 1936. Serial No. 374,661. PUBLISHED MARCH 31, 1936. Class 46.

335,609. PLASTIC WALL COVERING IN THE NATURE OF PAINT. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed February 18, 1936. Serial No. 374,990. PUBLISHED MARCH 31, 1936. Class 16.

335,610. PLASTIC WALL COVERING IN THE NATURE OF PAINT. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed February 18, 1936. Serial No. 374,989. PUBLISHED MARCH 31, 1936. Class 16.

335,611. MEDICINAL PRODUCT WHICH ACTS AS A LUBRICATING ANESTHETIC. SEYDEL CHEMICAL COMPANY, Jersey City, N. J.
Filed February 14, 1936. Serial No. 374,858. PUBLISHED MARCH 31, 1936. Class 6.

335,612. LIQUID AND PASTE POLISH OF ALL COLORS FOR SHOES OF KID, LEATHER, CANVASS, LINEN, SUEDE, BUCK, AND FABRIC. POLYSHINE, INC., Rochester, N. Y.
Filed February 14, 1936. Serial No. 374,848. PUBLISHED MARCH 31, 1936. Class 4.

335,613. ROAD OR LANE MARKER. JOHN W. SHAFFER & Co., Minneapolis, Minn.
Filed February 12, 1936. Serial No. 374,764. PUBLISHED MARCH 31, 1936. Class 50.

335,614. LEDGER PAPER. KEITH PAPER COMPANY, Turners Falls, Mass.
Filed February 12, 1936. Serial No. 374,754. PUBLISHED MARCH 31, 1936. Class 37.

335,615. QUICK DRY PAINT ENAMELS, AND FLOOR AND PORCH PAINT ENAMELS. THE CON-FERRO PAINT AND VARNISH COMPANY, St. Louis, Mo.
Filed February 12, 1936. Serial No. 374,744. PUBLISHED MARCH 31, 1936. Class 16.

335,616. HEMORRHOIDAL SUPPOSITORIES AND OINTMENT. F. AD. RICHTER & Co. INC., Brooklyn, N. Y.
Filed February 11, 1936. Serial No. 374,730. PUBLISHED MARCH 31, 1936. Class 6.

335,617. FABRICS TREATED WITH A WATERPROOF, MILDEWPROOF, FIRE-RESISTING, AND HEAT-REFLECTING COMPOSITION. CLIFTON MANUFACTURING COMPANY, Waco, Tex.
Filed February 11, 1936. Serial No. 374,708. PUBLISHED MARCH 31, 1936. Class 50.

335,618. ALE. THE GEORGE J. RENNER BREWING COMPANY, Akron, Ohio.
Filed February 10, 1936. Serial No. 374,685. PUBLISHED MARCH 31, 1936. Class 48.

335,619. COMIC DRAWINGS PUBLISHED IN A SERIES IN A NEWSPAPER. NEA SERVICE, INC., Cleveland, Ohio.
Filed January 20, 1936. Serial No. 373,888. PUBLISHED MARCH 24, 1936. Class 38.

335,620. PIECE GOODS OF RAYON, ACETATE, COTTON, AND COMBINATIONS THEREOF, AND RAYON AND WOOL. BRADFORD DYEING ASSOCIATION (U. S. A.), Bradford, R. I.
Filed January 21, 1936. Serial No. 373,907. PUBLISHED MARCH 31, 1936. Class 42.

335,621. PIECE GOODS OF RAYON, ACETATE, COTTON, AND COMBINATIONS THEREOF, AND RAYON AND WOOL. BRADFORD DYEING ASSOCIATION (U. S. A.), Bradford, R. I.
Filed January 21, 1936. Serial No. 373,908. PUBLISHED MARCH 31, 1936. Class 42.

335,622. WHEAT FLOUR. INTERNATIONAL MILLING COMPANY, Minneapolis, Minn.
Filed January 21, 1936. Serial No. 373,922. PUBLISHED MARCH 31, 1936. Class 46.

335,623. WHEAT FLOUR. INTERNATIONAL MILLING COMPANY, Minneapolis, Minn.
Filed January 21, 1936. Serial No. 373,923. PUBLISHED MARCH 31, 1936. Class 46.

335,624. WALNUTS IN SHELLS. THE KROGER GROCERY & BAKING COMPANY, Cincinnati, Ohio.
Filed January 15, 1936. Serial No. 373,689. PUBLISHED MARCH 31, 1936. Class 46.

335,625. PREPARATION COMPRISING A PHOSPHORIC-ACID SALT OF CALCIUM FOR USE AS A GENERAL TONIC, AS A PREVENTIVE OF RICKETS, AND AS AN ANTACID FOR MOTHER'S MILK. HOMS PRODUCTS INC., Rahway, N. J.
Filed December 4, 1935. Serial No. 372,247. PUBLISHED MARCH 24, 1936. Class 6.

335,626. APPARATUS FOR GENERATING AND APPLYING MINERAL FUMES IN A CABINET OR OTHER SPECIAL APPLIANCE FOR MEDICINAL PURPOSES. JOHN F. CLASS, INC., Dayton, Ohio.
Filed December 2, 1935. Serial No. 372,164. PUBLISHED MARCH 31, 1936. Class 44.

335,627. WOVEN CLOTH COMPOSED OF CAMEL HAIR AND ANGORA IN THE PIECE FOR MEN'S AND WOMEN'S CLOTHES. S. STROOCK & Co. INC., New York, N. Y.
Filed December 23, 1935. Serial No. 373,004. PUBLISHED MARCH 17, 1936. Class 42.

335,628. PLASTIC OR MOLDED METALLIC MACHINERY PACKING. CRANE PACKING COMPANY, Chicago, Ill.
Filed January 13, 1936. Serial No. 373,597. PUBLISHED MARCH 31, 1936. Class 35.

335,629. MEDICINAL PREPARATION FOR THE TREATMENT OF SUNBURN, ITCH, BRUISES, COUGHS AND COLDS, SORES, PILES, STOMACH, BOWELS, EYES, EARS, THROAT, HEADACHE, PIMPLES, GUMS, WORMS, HAIR, CROUP, IN LIQUID AND OINTMENT FORMS. MINERVA WILSON, doing business as Clifto Drug Company, Baltimore, Md.
Filed January 11, 1936. Serial No. 373,582. PUBLISHED MARCH 24, 1936. Class 6.

335,630. BRIEF CASES. SAMUEL SOLOMON, New York, N. Y.
Filed January 11, 1936. Serial No. 373,576. PUBLISHED MARCH 31, 1936. Class 3.

335,631. COTTON AND/OR SILK PIECE GOODS. COHN-HALL-MARX Co., New York, N. Y.
Filed January 11, 1936. Serial No. 373,561. PUBLISHED MARCH 17, 1936. Class 42.

335,632. SPUN RAYON PIECE GOODS. ARTHUR BEIR & Co., INC., New York, N. Y.
Filed January 11, 1936. Serial No. 373,554. PUBLISHED MARCH 31, 1936. Class 42.

335,633. ARTICLES ON MUSICAL SUBJECTS IN NEWSPAPERS. HERMANN IRION, doing business as the pen name Homer Whiting, New York, N. Y.
Filed January 10, 1936. Serial No. 373,531. PUBLISHED MARCH 24, 1936. Class 38.

335,634. BRUSHLESS SHAVING CREAM. VALVOLINE OIL COMPANY, doing business as Valco Laboratories, Cincinnati, Ohio and New York, N. Y.
Filed January 8, 1936. Serial No. 373,471. PUBLISHED MARCH 24, 1936. Class 4.

335,635. ADDING AND CALCULATING MACHINES, AND PARTS THEREOF. UNDERWOOD ELLIOTT FISHER COMPANY, New York, N. Y.
Filed January 8, 1936. Serial No. 373,468. PUBLISHED MARCH 31, 1936. Class 26.

335,636. PREPARATION FOR THE TREATMENT OF INTESTINAL DISTURBANCES. PHARMAX CORPORATION, Pittsburgh, Pa.
Filed January 8, 1936. Serial No. 373,464. PUBLISHED MARCH 17, 1936. Class 6.

335,637. CARTOONS. DOMINICK LOSCALZO, doing business as Mutual Publishers Syndicate, New York, N. Y.
Filed January 8, 1936. Serial No. 373,453. PUBLISHED MARCH 24, 1936. Class 38.

335,638. NARCOTIC MORPHINE DERIVATIVE IN TABLET, POWDER, AND AMPOULE FORM, USED IN THE TREATMENT OF COUGHS, HAEMOPTYSIS, FOR RELIEVING PAIN, AND FOR CONDITIONS IN WHICH MORPHINE AND CODEIN HAVE HERETOFORE BEEN USED. C. H. BOEHRINGER SOHN AKTIENGESELLSCHAFT, Nieder-Ingelheim, Germany.
Filed January 8, 1936. Serial No. 373,440. PUBLISHED MARCH 24, 1936. Class 6.

335,639. LIQUID PREPARATION FOR TREATMENT OF PERSONS SUFFERING FROM COLDS OR BRONCHIAL IRRITATIONS. H. BRYAN DUFFY, doing business as F. S. Duffy Medicine Company, New Bern, N. C.
Filed January 6, 1936. Serial No. 373,370. PUBLISHED MARCH 24, 1936. Class 6.

335,640. EGGS. "DATED" EGG CORPORATION, New York, N. Y.
Filed January 6, 1936. Serial No. 373,368. PUBLISHED MARCH 31, 1936. Class 46.

335,641. SHEETS AND PILLOWCASES. CAVENDISH TRADING CORPORATION, New York, N. Y.
Filed January 13, 1936. Serial No. 373,591. PUBLISHED MARCH 10, 1936. Class 42.

335,642. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES, SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. WEGENER'S INC., Detroit, Mich.
Filed February 19, 1936. Serial No. 375,033. PUBLISHED MARCH 31, 1936. Class 45.

335,643. BOLTING CLOTH FOR USE IN FLOUR MILLS AND GLUCOSE FACTORIES, AND STENCIL CLOTH. FABRIQUE LYONNAISE DE SOIES A BLUTER, Panissieres, France.
Filed July 18, 1935. Serial No. 367,438. PUBLISHED MARCH 17, 1936. Class 42.

335,644. VALVES USED IN STEAM HEATING AND RADIATING SYSTEMS. W. A. RUSSELL & Co., New York, N. Y.
Filed July 10, 1935. Serial No. 367,139. PUBLISHED MARCH 31, 1936. Class 13.

335,645. GLAZIER POINTS. LANDON P. SMITH, INC., Irvington, N. J.
Filed June 24, 1935. Serial No. 366,693. PUBLISHED SEPTEMBER 10, 1935. Class 13.

335,646. WOOLEN PIECE GOODS. CHAS. W. HOUSE & SONS, Unionville, Conn.
Filed June 21, 1935. Serial No. 366,476. PUBLISHED MARCH 31, 1936. Class 42.

335,647. PANCAKE FLOUR. LARROWE BUCKWHEAT FLOUR CORPORATION, Cohocton, N. Y.
Filed June 18, 1935. Serial No. 366,325. PUBLISHED MARCH 31, 1936. Class 46.

335,648. AUTOMOTIVE TRAILERS. THOMAS KLINGENSMITH, doing business as Tot-Em Trailer Company. Birmingham, Mich.
Filed May 17, 1935. Serial No. 365,037. PUBLISHED MARCH 31, 1936. Class 19.

335,649. ABRASIVE MATERIALS IN SHEET FORM. LANDON P. SMITH, INC., Irvington, N. J.
Filed June 17, 1935. Serial No. 366,305. PUBLISHED AUGUST 13, 1935. Class 4.

335,650. ICE CREAM, EVAPORATED MILK, AND BUTTER. HERSHEY CREAMERY COMPANY, Harrisburg, Pa.
Filed April 17, 1936. Serial No. 377,652. Class 46.

335,651. VARNISH. THE WATSON-STANDARD CO., Pittsburgh, Pa.
Filed February 24, 1936. Serial No. 375,183. PUBLISHED MARCH 31, 1936. Class 16.

335,652. BEER. JOS. SCHLITZ BREWING COMPANY, Milwaukee, Wis.
Filed February 20, 1936. Serial No. 375,062. PUBLISHED MARCH 31, 1936. Class 48.

335,653. GUM ASTRINGENT AND MOUTH WASH. BECKIE BANCHEFSKY, doing business as Zubodent Laboratories, New York, N. Y.
Filed March 21, 1934. Serial No. 348,906. PUBLISHED MAY 8, 1934. Class 6.

335,654. TRAILERS, BOTH PASSENGER-CARRYING AND COMMERCIAL. CURTISS AEROCAR COMPANY, INC., Coral Gables, Fla.
Filed December 6, 1933. Serial No. 344,525. PUBLISHED JANUARY 16, 1934. Class 19.

335,655. STABILIZER FOR HIGH RATIO CAKE BATTER. BANNER BRANDS COMPANY, INC., Brooklyn, N. Y.
Filed July 23, 1935. Serial No. 367,556. PUBLISHED MARCH 31, 1936. Class 46.

335,656. WALL TEXTURE SOMETIMES KNOWN AS TEXTURE PAINT (IN DRY FORM), SAID WALL TEXTURE BEING USED AS A DECORATION FOR ANY TYPE OF WALL SURFACE INCLUDING PLASTER, WALLBOARD, WOOD, GLASS, CEILINGS, AND ANY PROPERLY PREPARED SURFACE. BOSTON PUTTY WORKS INC., doing business as Hub Paint Company, and Hub Paint Co., Boston and Roxbury, Boston, Mass.
Filed April 11, 1935. Serial No. 368,621. PUBLISHED MARCH 31, 1936. Class 16.

335,657. ELECTRICAL CONDENSERS. CORNELL-DUBILIER CORPORATION, New York, N. Y.
Filed April 25, 1935. Serial No. 364,207. PUBLISHED MARCH 31, 1936. Class 21.

335,658. MEDICATED PREPARATION FOR THE TREATMENT OF COLDS, NASAL CONGESTION DUE TO COLDS, MUSCULAR PAINS, SIMPLE HEADACHES, SUNBURN, WINDBURN, ETC. THE MEDIBUS COMPANY, Baltimore, Md., assignor to Bristol-Myers Company, New York, N. Y., a corporation of Delaware.
Filed May 4, 1935. Serial No. 364,550. PUBLISHED AUGUST 6, 1935. Class 6.

335,659. PIANO PLATES. KRANICH & BACH, New York, N. Y.
Filed January 14, 1936. Serial No. 373,641. PUBLISHED MARCH 31, 1936. Class 36.

335,660. CURTAINS MADE OF COTTON OR ARTIFICIAL SILK. BARTMANN & BIXER, INC., New York, N. Y.
Filed January 15, 1936. Serial No. 373,662. PUBLISHED MARCH 31, 1936. Class 42.

335,661. WINE. JOSÉ MARIA DE HOYOS Y VINENT, Jerez de la Frontera, Spain.
Filed September 4, 1935. Serial No. 368,977. PUBLISHED MARCH 31, 1936. Class 47.

335,662. RINGS, BRACELETS, BRACELET SPANGLES, BROOCHES, EAR RINGS, WATCH CHAINS, FOBS, PENDANTS, NECKLACES, NECKLACE SPANGLES, ETC. MAURICE HIRSCH, Houston, Tex.
Filed September 3, 1935. Serial No. 368,935. PUBLISHED MARCH 24, 1936. Class 28.

335,663. PHOTOGRAPHIC CAMERAS. JACK RABBIT COMPANY, Spartanburg, S. C.
Filed August 14, 1935. Serial No. 368,298. PUBLISHED MARCH 31, 1936. Class 26.

335,664. POSTER CALENDARS. AMERICAN CALENDAR COMPANY, INC., Greeneville, Tenn.
Filed February 21, 1935. Serial No. 361,666. PUBLISHED MARCH 24, 1936. Class 38.

335,665. ASPHALT SHINGLES. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed January 25, 1936. Serial No. 374,103. PUBLISHED MARCH 24, 1936. Class 12.

335,666. BREATH PURIFIER. JERRY H. GLENN, Little Rock, Ark.
Filed January 27, 1936. Serial No. 374,137. PUBLISHED MARCH 24, 1936. Class 6.

335,667. SOAP. THE M. WERK COMPANY, St. Bernard, Ohio.
Filed January 22, 1936. Serial No. 373,983. PUBLISHED MARCH 24, 1936. Class 4.

335,668. SILK PIECE GOODS. ONONDAGA SILK COMPANY, INC., New York, N. Y.
Filed January 21, 1936. Serial No. 373,987. PUBLISHED MARCH 17, 1936. Class 42.

335,669. SILICON IRON CASTINGS. ANTACIRON INC., Wellesville, N. Y.
Filed January 14, 1936. Serial No. 373,988. PUBLISHED MARCH 31, 1936. Class 14.

335,670. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & Co. INC., New York, N. Y.
Filed January 23, 1936. Serial No. 373,993. PUBLISHED MARCH 24, 1936. Class 42.

335,671. METERS AND GAUGES FOR REGISTERING THE FLOW, HEAD, AND PRESSURE OF LIQUID OR GAS, AND TOTALIZERS THEREFOR, AND CONTROLLING DEVICES, SUCH AS ORIFI, VENTURI, PRESSURE TRANSMITTERS AND FLOAT TRANSMITTERS. SIMPLEX VALVE & METER COMPANY, Philadelphia, Pa.
Filed February 13, 1935. Serial No. 361,372. PUBLISHED MARCH 31, 1936. Class 26.

335,672. RICE. RICE GROWERS ASSOCIATION OF CALIFORNIA, doing business as California Rice Sales Company, Sacramento, Calif.
Filed January 3, 1936. Serial No. 373,325. PUBLISHED MARCH 31, 1936. Class 46.

335,673. PIECE GOODS COMPRISED WHOLLY OR IN PART OF WOOL OR WORSTED. AMERICAN WOOLEN COMPANY, New York, N. Y.
Filed January 3, 1936. Serial No. 373,292. PUBLISHED MARCH 3, 1936. Class 42.

335,674. COTTON SHEETS, SHEETINGS, PILLOW CASES, AND COTTON PIECE GOODS. UTICA AND MOHAWK COTTON MILLS, INC., Utica, N. Y.
Filed January 2, 1936. Serial No. 373,273. PUBLISHED MARCH 24, 1936. Class 42.

335,675. SOLID ANNULAR RING PRODUCT OF VAPORIZABLE MOTH KILLING SUBSTANCE. THE LEWY CHEMICAL CO., New York, N. Y.
Filed December 23, 1935. Serial No. 372,977. PUBLISHED MARCH 31, 1936. Class 6.

335,676. SOLID ANNULAR RING PRODUCT OF VAPORIZABLE MOTH KILLING SUBSTANCE. THE LEWY CHEMICAL CO., New York, N. Y.
Filed December 23, 1935. Serial No. 372,976. PUBLISHED MARCH 31, 1936. Class 6.

335,677. SUPPORTING BELTS FOR MEN. MOORE FABRIC COMPANY, Pawtucket, R. I.
Filed January 23, 1936. Serial No. 374,015. PUBLISHED MARCH 31, 1936. Class 44.

335,678. CHEMICAL PREPARATION USED IN ELECTRO PLATING. TUTTLE CHEMICAL CORPORATION, New York, N. Y.
Filed January 23, 1936. Serial No. 374,027. PUBLISHED MARCH 24, 1936. Class 6.

335,679. HYDROCARBON GASES. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del.
Filed January 25, 1936. Serial No. 374,097. PUBLISHED MARCH 24, 1936. Class 6.

335,680. GUTTER, GUTTER ANGLE, GUTTER CORNER, GUTTER END STOP, HIP ROLL, HIP ROLL Y, RIDGE FINIAL, RIDGE ROLL, STEEL BEAM BRACE, STEEL STRUCTURAL ELEMENTS FOR BUILDING PURPOSES AND MILLWORK. GEORGE H. GODLEY, Cincinnati, Ohio.
Filed October 17, 1934. Serial No. 357,211. PUBLISHED MARCH 24, 1936. Class 12.

335,681. CIGARETTES. THE AXTON-FISHER TOBACCO CO., Louisville, Ky.
Filed April 11, 1934. Serial No. 349,858. PUBLISHED MAY 17, 1932. Class 17.

335,682. MOLASSES ESPECIALLY ADAPTED FOR POULTRY FEEDING. I. H. NESTER, doing business as I. H. Nester & Co., Philadelphia, Pa.
Filed October 22, 1934. Serial No. 357,383. PUBLISHED JANUARY 1, 1935. Class 46.

335,683. HAIR TONICS, HAIR CREAMS FOR OILY SCALP, HAIR CREAMS FOR DRY SCALP, OINTMENTS FOR OILY SCALP, OINTMENTS FOR DRY SCALP, BRILLIANTINE, SULPHUR SALVE, IODINE SALVE. BENJAMIN FRANKEL, New York, N. Y.
Filed December 27, 1935. Serial No. 373,101. PUBLISHED MARCH 24, 1936. Class 6.

335,684. VEHICLE TANK FILLER CAPS, WINDSHIELD FITTINGS, GASOLINE TANK FLANGES, AND STEP PLATES. THE IMPERIAL BRASS MANUFACTURING COMPANY, Chicago, Ill.
Filed December 24, 1935. Serial No. 373,041. PUBLISHED MARCH 31, 1936. Class 19.

335,685. VEHICLE TANK FILLER CAPS, WINDSHIELD FITTINGS, GASOLINE TANK FLANGES, AND STEP PLATES. THE IMPERIAL BRASS MANUFACTURING COMPANY, Chicago, Ill.
Filed December 24, 1935. Serial No. 373,034. PUBLISHED MARCH 31, 1936. Class 19.

335,686. KNITTED, NETTED, AND TEXTILE FABRICS MADE OF COTTON, RAYON, ARTIFICIAL SILK, AND/OR COMBINATIONS OF SAID MATERIALS. JAMES H. DUNHAM & Co., New York, N. Y.
Filed December 24, 1935. Serial No. 373,026. PUBLISHED MARCH 31, 1936. Class 42.

335,687. BOTTLED PERMANENT WAVE SOLUTION, HAIR OILS, AND SHAMPOO. SAMUEL O. RONK, doing business as Waval Permanent Wave Supply Co., Los Angeles, Calif.
Filed January 2, 1936. Serial No. 373,267. PUBLISHED MARCH 31, 1936. Class 6.

335,688. PERIODICAL. FICTION PARADE, INC., New York, N. Y.
Filed January 2, 1936. Serial No. 373,252. PUBLISHED MARCH 24, 1936. Class 38.

335,689. WIRE CLOTH AND SINKS. THE INTERNATIONAL NICKEL COMPANY, INC., New York, N. Y.
Filed February 6, 1935. Serial No. 361,093. PUBLISHED MARCH 24, 1936. Class 13.

335,690. MEDICINAL PREPARATION FOR THE TREATMENT OF ANEMIA. THE UPJOHN COMPANY, Kalamazoo, Mich.
Filed January 11, 1935. Serial No. 360,151. PUBLISHED MARCH 24, 1936. Class 6.

335,691. INDUSTRIAL ALCOHOL. INDUSTRIAL CHEMICAL SALES CO., INC., New York, N. Y.
Filed December 26, 1934. Serial No. 359,648. PUBLISHED MARCH 17, 1936. Class 6.

335,692. AIR TREATING FLUID—NAMELY, DEODORANTS, DISINFECTANTS, AND/OR PURIFIERS, ESPECIALLY THOSE TO BE READILY EVAPORATED INTO AIR STREAMS. NEO-AIRE, INCORPORATED, New York, N. Y.
Filed December 15, 1934. Serial No. 359,364. PUBLISHED MARCH 31, 1936. Class 6.

335,693. BREAD, ROLLS, CAKE, PIES, AND PASTRY. BERDAN BREAD COMPANY, Bay City, Mich.
Filed November 28, 1934. Serial No. 358,546. PUBLISHED MARCH 31, 1936. Class 46.

335,694. TEXTILE FABRICS IN THE PIECE, OF COTTON, WOOL, SILK, RAYON, AND/OR COMBINATIONS THEREOF. GLENDALE FABRICS, INC., New York, N. Y.
Filed December 27, 1935. Serial No. 373,102. PUBLISHED FEBRUARY 25, 1936. Class 42.

335,695. GASES IN CARTRIDGE CONTAINERS ADAPTED FOR AERATED FOOD PRODUCTS UNDER PRESSURE. NU-WHIP CORP., New York, N. Y.
Filed December 27, 1935. Serial No. 373,107. PUBLISHED MARCH 17, 1936. Class 6.

335,696. LEATHER. DAVIS LEATHER COMPANY LIMITED, Newmarket, Ontario, Canada.
Filed September 27, 1935. Serial No. 369,763. PUBLISHED MARCH 31, 1936. Class 1.

335,697. PREPARATION FOR USE IN CORRECTING CONDITIONS ASSOCIATED WITH EXCESSIVE GASTRIC ACIDITY. INTERNATIONAL TAKAMINE FERMENT COMPANY, New York, N. Y.
Filed September 28, 1935. Serial No. 369,612. PUBLISHED MARCH 17, 1936. Class 6.

335,698. CORRUGATED PAPER DISPLAY MATERIAL. THE REYBURN MANUFACTURING COMPANY, Philadelphia, Pa.
Filed September 11, 1935. Serial No. 369,205. PUBLISHED MARCH 31, 1936. Class 37.

335,699. RAYON PIECE GOODS. ARTHUR BEIR & Co., INC., New York, N. Y.
Filed December 31, 1935. Serial No. 373,196. PUBLISHED FEBRUARY 25, 1936. Class 42.

335,700. MAPLE SYRUP. AMERICAN MAPLE PRODUCTS CORPORATION, St. Albans, Vt.
Filed December 31, 1935. Serial No. 373,195. PUBLISHED MARCH 31, 1936. Class 46.

335,701. DOUCHE POWDER AND VAGINAL SUPPOSITORIES. JOHN T. MCCREARY, Chicago, Ill.
Filed December 28, 1935. Serial No. 373,140. PUBLISHED MARCH 17, 1936. Class 6.

335,702. NECKLACES, BAR-PINS, PINS, CLIPS, BRACELETS, FINGER RINGS, EARRINGS, BUCKLES, HAIR COMBS, ALL MADE OF OR PLATED WITH PRECIOUS METAL. D. LISNER & Co., New York, N. Y.
Filed December 28, 1935. Serial No. 373,139. PUBLISHED MARCH 24, 1936. Class 28.

335,703. AIR CONDITIONING UNITS. THE WILLIAM C. CARR CORPORATION, Buffalo, N. Y.
Filed December 27, 1935. Serial No. 373,111. PUBLISHED MARCH 24, 1936. Class 34.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

335,704. (CLASS 37. PAPER AND STATIONERY.) NEVA-CLOG PRODUCTS, INC., Bridgeport, Conn. Filed Feb. 15, 1935. Serial No. 361,435.

NEVA-CLOG

For Stapling Machines, Particularly of the Plier and Desk Types, Staples for Use Therein, and Parts and Attachments Thereof.
Claims use since December, 1925.

335,705. (CLASS 37. PAPER AND STATIONERY.) NEVA-CLOG PRODUCTS, INC., Bridgeport, Conn. Filed Feb. 15, 1935. Serial No. 361,434.

NEVA-CLOG

For Stapling Machines, Particularly of the Plier and Desk Types, Staples for Use Therein, and Parts and Attachments Thereof.
Claims use since December, 1925.

335,706. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHARLES D. THOMS & CO., INC., New York, N. Y. Filed Feb. 2, 1935. Serial No. 360,975.

KOOLSPUN

For Piece Goods of a Combination of Cotton, Alpaca, and Spun Rayon.
Claims use since Jan. 15, 1935.

335,707. (CLASS 39. CLOTHING.) MORRIS ARST, Cicero, Ill., assignor, by mesne assignments, to Hidden Hood Garment Mfg. Co., Cicero, Ill., a corporation of Illinois. Filed Nov. 10, 1934. Serial No. 358,083.

HIDDEN HOOD
GARMENT

For Men's, Women's, and Children's Coats.
Claims use since Nov. 3, 1934.

335,708. (CLASS 39. CLOTHING.) CHIPMAN KNITTING MILLS, Spring Grove, Pa. Filed Mar. 17, 1932. Serial No. 325,212.

OPAKE

For Hosiery.
Claims use since Feb. 17, 1932.

335,709. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BRICK STAIN COMPANY, Salt Lake City, Utah. Filed Apr. 7, 1936. Serial No. 376,892.

BEFORE AFTER

Brick-Stain

For Ready Mixed Stain and Paint for Bricks.
Claims use since Apr. 14, 1933.

335,710. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JAMES STRANGE REAR, Vancouver, British Columbia, Canada. Filed Apr. 22, 1936. Serial No. 377,440.

Nap-Renu

For Abrasive Disc and Other Mechanism Used in a Garment Renewing Process.
Claims use since March, 1932.

335,711. (CLASS 27. HOROLOGICAL INSTRUMENTS.) MT. VERMON WATCH CO. INC., New York, N. Y. Filed Feb. 12, 1936. Serial No. 374,758.

NORWOOD

For Watches and Parts Thereof, Watch Cases, Watch Attachments and Watch Movements.
Claims use since Apr. 25, 1935.

335,712. (CLASS 27. HOROLOGICAL INSTRUMENTS.) MT. VERNON WATCH CO. INC., New York, N. Y. Filed Feb. 12, 1936. Serial No. 374,757.

FULTON

For Watches and Parts Thereof, Watch Cases, Watch Attachments and Watch Movements.
Claims use since Apr. 25, 1935.

335,713. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) J. DE BEER & SON, Albany, N. Y. Filed Feb. 12, 1936. Serial No. 374,745.

STEAM WELDED

For Play Ground Balls and Soft Balls.
Claims use since Jan. 15, 1935.

335,714. (CLASS 39. CLOTHING.) SEARS, ROEBUCK AND CO., Chicago, Ill. Filed July 11, 1935. Serial No. 367,172.

June Abbey

For Misses' Dresses and Coats.
Claims use since Oct. 12, 1933.

335,715. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CABELL BRECKINRIDGE PORTER, doing business as Porter Products Co., Buffalo, N. Y. Filed June 18, 1935. Serial No. 366,335.

MONS

For Nonalcoholic, Maltless Fruit Syrups and Juices for Making Soft Drinks, and as Mixers.
Claims use since Apr. 1, 1933.

335,716. (CLASS 39. CLOTHING.) MEYERS-SEEMAN CO. INC., Buffalo, N. Y. Filed May 31, 1935. Serial No. 365,642.

O'RYAN FLEECE

For Men's Coats, Suits, and Overcoats.
Claims use since Apr. 1, 1935.

335,717. (CLASS 39. CLOTHING.) MEYERS-SEEMAN CO. INC., Buffalo, N. Y. Filed May 31, 1935. Serial No. 365,641.

NORWOOD FLEECE

For Men's Coats, Suits, and Overcoats.
Claims use since Apr. 1, 1935.

335,718. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) AGOOS LEATHER COMPANIES, INC., Boston, Mass. Filed Apr. 29, 1935. Serial No. 364,817.

Semisuede

For Leather.
Claims use since Mar. 1, 1935.

335,719. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BRIGGS MANUFACTURING COMPANY, Detroit, Mich. Filed Apr. 26, 1935. Serial No. 364,222.

BRIGGS

For Ready-Mixed Paints and Lacquers.
Claims use since Mar. 21, 1935.

335,720. (CLASS 39. CLOTHING.) BLOOMINGDALE BROS., INC., New York, N. Y. Filed Apr. 9, 1935. Serial No. 363,549.

SLAK-SKIRT

For Women's Apparel—Namely, Coats, Suits, Dresses, and Combinations Thereof.
Claims use since Jan. 18, 1935.

TRADE-MARK REGISTRATIONS RENEWED

106,727. GINS AND LIQUEURS. Registered October 26, 1915. AMSTERDAMSCHE LIKEURSTOKERIJ "'T LOOTSJE" DER ERVEN LUCAS BOLS. Renewed October 26, 1935, to Naamloose Vennootschap Amsterdamsche Likeurstokerij "'T Lootsje" der Erven Lucas Bols, Amsterdam, Netherlands, a corporation of the Netherlands, successor.

109,727. PIPE - CAPS, UNIVERSALS, GROUND-CLAMPS, SERVICE-CAPS, CONNECTORS, OUTLET-BOXES, AND TERMINALS. Registered April 18, 1916. THE GILLETTE-VIBBER COMPANY, New London, Conn., a corporation of Connecticut. Renewed April 18, 1936.

109,746. CERTAIN ABSORBENT MATERIALS FOR ABSORBING CHEMICALS OR LIQUIDS TO FACILITATE TRANSPORTATION AND STORAGE THEREOF. Registered April 18, 1916. KIESELGUHR COMPANY OF AMERICA, Los Angeles, Calif. Renewed April 18, 1936, to Celite Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

110,021. RAIN-COATS AND RUBBER BOOTS AND SHOES. Registered May 2, 1916. THE B. F. GOODRICH COMPANY, New York, N. Y., a corporation of New York. Renewed May 2, 1936.

110,041. CERTAIN NAMED HARDWARE SPECIALLY ADAPTED FOR USE IN CONNECTION WITH ELECTRICAL APPARATUS. Registered May 2, 1916. S. R. FRALICK & COMPANY. Renewed May 2, 1936, to Kwikon Company, Chicago, Ill., a corporation of Illinois, assignee.

110,160. DYNAMITE. Registered May 9, 1916. ATLAS POWDER COMPANY, Wilmington, Del., a corporation of Delaware. Renewed May 9, 1936.

110,295. CHEESE. Registered May 16, 1916. PHENIX CHEESE CO., Chicago, Ill. Renewed May 16, 1936, to Kraft-Phenix Cheese Corporation, Chicago, Ill., a corporation of Delaware, assignee by mesne assignments.

110,340. A MONTHLY PERIODICAL. Registered May 16, 1916. CHALMERS PUBLISHING COMPANY, New York, N. Y., a corporation of New York. Renewed May 16, 1936.

110,370. A PREPARATION IN NATURE OF VARNISH FOR PRESERVING AND WATERPROOFING CERTAIN NAMED MATERIALS. Registered May 16, 1916. THE BRITISH AEROPLANE VARNISH CO., LIMITED, Newcastle-upon-Tyne, England. Renewed May 16, 1936, to Titanine-Emaillite, Limited, Colindale, London, N. W., England, a corporation of Great Britain, assignee.

110,371. A FILLING AND WATERPROOFING MATERIAL FOR TEXTILE WINGS OF CERTAIN NAMED AIRCRAFT. Registered May 16, 1916. THE BRITISH AEROPLANE VARNISH CO., LIMITED, Newcastle-upon-Tyne, England. Renewed May 16, 1936, to Titanine-Emaillite, Limited, Colindale, London, N. W., England, a corporation of Great Britain, assignee.

110,414. CHEWING-GUM. Registered May 23, 1916. FRANKLIN V. CANNING, New York, N. Y. Renewed May 23, 1936.

110,434. PLUMB RULES AND LEVELS. Registered May 23, 1916. J. SAND & SONS. Renewed May 23, 1936, to Sands' Level and Tool Company, Detroit, Mich., a corporation of Michigan, assignee.

110,683. WORK-SHIRTS. Registered June 6, 1916. RELIANCE MANUFACTURING COMPANY. Renewed June 6, 1936, to Reliance Manufacturing Company, Chicago, Ill., a corporation of Illinois, assignee.

110,868. ALARM-CLOCKS. Registered June 13, 1916. SEARS, ROEBUCK AND CO., Chicago, Ill., a corporation of New York. Renewed June 13, 1936.

110,940. STOMACH AND RHEUMATIC REMEDY. Registered June 20, 1916. WILLIAM A. VARNEY. Renewed June 20, 1936, to Frank E. Berridge, Lynn, Mass., assignee.

110,972. BATTERIES, FLASH-LIGHTS, COILS, AND ELECTRIC LANTERNS. Registered June 20, 1916. UNITED BATTERY CORPORATION, Brooklyn, N. Y. Renewed June 20, 1936, to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York, assignee by mesne assignments.

111,391. CERTAIN NAMED FOODS. Registered July 11, 1916. THE TWITCHELL-CHAMPLIN COMPANY, Portland, Maine, and Boston, Mass., a corporation of Maine. Renewed July 11, 1936.

111,394. A NUTRIENT COMPOUND. Registered July 11, 1916. THE ARLINGTON CHEMICAL CO. Renewed July 11, 1936, to The Arlington Chemical Company, Yonkers, N. Y., a corporation of New York, assignee.

111,893. A CHEMICAL OR MEDICAL PREPARATION--VIZ., AN ANTISEPTIC FOR CERTAIN USES. Registered August 8, 1916. LAMBERT PHARMACAL COMPANY, St. Louis, Mo. Renewed August 8, 1936, to Lambert Pharmacal Company, Wilmington, Del., a corporation of Delaware, assignee.

111,949. PLASTER AND CEMENT. Registered August 15, 1916. KIESELGUHR COMPANY OF AMERICA, Los Angeles, Calif. Renewed August 15, 1936, to Celite Corporation, New York, N. Y., a corporation of New York, assignee by mesne assignments.

112,442. CERTAIN NAMED MACHINERY AND PARTS THEREOF. Registered September 5, 1916. RODNEY HUNT MACHINE COMPANY, Orange, Mass., a corporation of Massachusetts. Renewed September 5, 1936.

112,549. TWO AND FOUR WHEEL HAND-TRUCKS. Registered September 12, 1916. OXWELD ACETYLENE COMPANY, Chicago, Ill. Renewed September 12, 1936, to Oxweld Acetylene Company, New York, N. Y., a corporation of West Virginia.

112,550. A COMBINED RUBBER AND FABRIC HOSE. Registered September 12, 1916. OXWELD ACETYLENE COMPANY, Chicago, Ill. Renewed September 12, 1936, to Oxweld Acetylene Company, New York, N. Y., a corporation of West Virginia.

112,627. NATURAL MINERAL WATER. Registered September 19, 1916. BEAR LITHIA SPRINGS COMPANY. Renewed September 19, 1936, to Great Bear Spring Company, New York, N. Y., a corporation of New Jersey, assignee.

112,697. WELDING-FLUX. Registered September 19, 1916. OXWELD ACETYLENE COMPANY, Chicago, Ill. Renewed September 19, 1936, to Oxweld Acetylene Company, New York, N. Y., a corporation of West Virginia.

112,745. TOILET-PAPER AND PAPER TOWELS. Registered September 26, 1916. ALBANY PERFORATED WRAPPING PAPER COMPANY. Renewed September 26, 1936, to A. P. W. Paper Company, Inc., Albany, N. Y., a corporation of New York, by change of name.

112,751. TOILET-PAPER. Registered September 26, 1916. ALBANY PERFORATED WRAPPING PAPER COMPANY. Renewed September 26, 1936, to A. P. W. Paper Company, Inc., Albany, N. Y., a corporation of New York, by change of name.

112,841. BOTTLED MINERAL WATER AND SOFT DRINKS. Registered October 3, 1916. BEAR LITHIA SPRINGS CO. Renewed October 3, 1936, to Great Bear Spring Company, New York, N. Y., a corporation of New Jersey, assignee.

112,845. SPOOL-COTTON OR SEWING-THREAD, DARNING-COTTON AND EMBROIDERY-COTTON. Registered October 3, 1916. BLODGETT & ORSWELL CO., Pawtucket, R. I. Renewed October 3, 1936, to W. Warren Thread Works, Westfield, Mass., a corporation of Massachusetts, assignee.

112,934. AN EXTERNAL IODIN PREPARATION IN LIQUID AND OINTMENT FORM. Registered October 3, 1916. SCHERING & GLATZ. Renewed October 3, 1936, to Schering & Glatz, Inc., New York, N. Y., a corporation of New Jersey, assignee.

112,979. ANTICORROSIVE AND ANTIFOULING PAINTS FOR SHIPS' BOTTOMS. Registered October 10, 1916. AMALGAMATED PAINT COMPANY, Jersey City, N. J., and New York, N. Y. Renewed October 10, 1936, to Amalgamated Paint Company, New York, N. Y., a corporation of New Jersey.

112,991. WORSTED, COTTON, WOOLEN, LINEN, SILK, AND ARTIFICIAL-SILK YARN AND THREAD. Registered October 10, 1916. BERNHARD ULMANN CO. INC., New York, N. Y., a corporation of New York. Renewed October 10, 1936.

113,031. CERTAIN NAMED BACTERIOLOGICAL PRODUCTS. Registered October 10, 1916. DIGESTIVE FERMENTS CO. Renewed October 10, 1936, to Difco Laboratories Incorporated, Detroit, Mich., a corporation of Michigan, by change of name.

113,046. BOTTLES, HOT-WATER. Registered October 10, 1916. THE FAULTLESS RUBBER COMPANY, Ashland, Ohio, a corporation of Ohio. Renewed October 10, 1936.

113,172. PORK ROLL. Registered October 10, 1916. THE TAYLOR PROVISION COMPANY, Trenton, N. J., a corporation of New Jersey. Renewed October 10, 1936.

113,222. CORSETS. Registered October 10, 1916. ABRAHAM S. BECKER, Baltimore, Md. Renewed October 10, 1936, to Abraham S. Becker, Los Angeles, Calif.

113,228. COVER-PAPER. Registered October 10, 1916. CHEMICAL PAPER MANUFACTURING COMPANY, Holyoke, Mass., a corporation of Massachusetts. Renewed October 10, 1936.

113,236. WRITING-PAPER, PRINTING-PAPER, ENVELOPS, TABLETS, WRITING-CARDS, AND CARD-BOARD. Registered October 10, 1916. EATON, CRANE & PIKE COMPANY. Renewed October 10, 1936, to Eaton Paper Corporation, Pittsfield, Mass., a corporation of Massachusetts, assignee by mesne assignments.

113,237. BLEACHED, DYED, AND PRINTED COTTON FABRICS IN THE PIECE. Registered October 10, 1916. THE EDDYSTONE MANUFACTURING COMPANY, Eddystone and Philadelphia, Pa. Renewed October 10, 1936, to The Eddystone Manufacturing Company, Eddystone, Pa., a corporation of Pennsylvania.

113,251. PAPER-BOARD FOR USE IN MAKING TRAVELERS' TRUNKS AND FRICTION-PULLEYS THEREFOR. Registered October 10, 1916. C. B. HEWITT & BROTHERS. Renewed October 10, 1936, to C. B. Hewitt & Bros. Inc., New York, N. Y., a corporation of New York, assignee.

113,276. WHEAT-FLOUR. Registered October 10, 1916. MAYFLOWER MILLS, Fort Wayne, Ind., a corporation of Indiana. Renewed October 10, 1936.

113,279. GARTERS, ARMBANDS, AND TROUSER-BELTS. Registered October 10, 1916. CLIFFORD L. MEYER, Pittsburgh, Pa. Renewed October 10, 1936.

113,338. LUG-STRAPS AND BALATA VALVES. Registered October 17, 1916. VICTOR BALATA & TEXTILE BELTING COMPANY, Brooklyn, N. Y., and Easton, Pa. Renewed October 17, 1936, to Victor Balata & Textile Belting Company, Easton, Pa., and New York, N. Y., a corporation of Pennsylvania.

113,350. BILLIARD TABLES AND CUSHIONS, BILLIARD-CUE TIPS, BILLIARD-CHALK, BILLIARD-BALLS, AND POCKET-STOPS. Registered October 17, 1916. THE BRUNSWICK-BALKE COLLENDER COMPANY, Chicago, Ill., a corporation of Delaware. Renewed October 17, 1936.

113,361. CERTAIN NAMED CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. Registered October 17, 1916. THE ELI LILLY AND COMPANY. Renewed October 17, 1936, to Eli Lilly and Company, Indianapolis, Ind., a corporation of Indiana, by change of name.

113,399. CANDY. Registered October 17, 1916. LOFT, INCORPORATED, as assignee of George W. Loft, New York, N. Y. Renewed October 17, 1936, to Loft, Inc., Long Island City, N. Y., a corporation of Delaware, assignee by mesne assignments.

113,415. COUGH-DROPS AND TABLETS FOR INDIGESTION, HEADACHE, CONSTIPATION, AND BILIOUSNESS. Registered October 17, 1916. MINT PRODUCTS COMPANY, INCORPORATED, New York, N. Y. Renewed October 17, 1936, to Life Savers, Inc., Port Chester, N. Y., a corporation of Delaware, assignee.

113,430. SCREEN-DOORS. Registered October 17, 1916. ROCKWELL MANUFACTURING COMPANY, Camden, Ark., a corporation of Arkansas. Renewed October 17, 1936.

113,431. CHILDREN'S DRESSES. Registered October 17, 1916. ROSENAU BROTHERS. Renewed October 17, 1936, to Rosenau Bros. Inc., Philadelphia, Pa., a corporation of Pennsylvania, assignee.

113,459. CERTAIN NAMED PRINTS AND PUBLICATIONS. Registered October 17, 1916. UNITED TEXTILE WORKERS OF AMERICA, New York, N. Y., a voluntary association. Renewed October 17, 1936.

113,473. PRINTED BOOKS, PAMPHLETS, AND CIRCULARS USED BETWEEN THE DIFFERENT UNITS OF THE ASSOCIATION FOR THE FURTHERANCE OF ITS OBJECTS. Registered October 17, 1936. AMALGAMATED MEAT CUTTERS AND BUTCHER WORKMEN OF NORTH AMERICA, Syracuse, N. Y. Renewed October 17, 1936, to Amalgamated Meat Cutters and Butcher Workmen of North America, Chicago, Ill., a voluntary association.

113,495. CERTAIN NAMED TOILET PREPARATIONS. Registered October 17, 1916. WILLIS DACKERMANN. Renewed October 17, 1936, to Blue Bird, Inc., Perfumers, New York, N. Y., a corporation of New York, assignee by mesne assignments.

113,515. FACE-CREAM. Registered October 17, 1916. THEODORE L. MILLER, New Orleans, La. Renewed October 17, 1936.

LABELS

REGISTERED JUNE 9, 1936

47,523.—*Title:* QUA-SODA RUSSIAN STYLE. For a Food Beverage. DANIEL BLUMENKRANZ, Brooklyn, N. Y. Published January 10, 1936.

47,524.—*Title:* CENTLIVRE NICKEL PLATE. For Beer. CENTLIVRE BREWING CORPORATION, Fort Wayne, Ind. Published April 16, 1936.

47,525.—*Title:* DAWN. For a Cream for Polishing Brown Shoes. THE CHIEFTAIN MANUFACTURING COMPANY, doing business as Finders Manufacturing Company, Baltimore, Md. Published December 28, 1935.

47,526.—*Title:* KAROL. For Dressing for Brown Suede Shoes. THE CHIEFTAIN MANUFACTURING COMPANY, doing business as Finders Manufacturing Company, Baltimore, Md. Published December 28, 1935.

47,527.—*Title:* KEYSTONE STATE. For Straight Rye Whiskey. CONTINENTAL DISTILLING CORPORATION, Philadelphia, Pa. Published April 2, 1936.

47,528.—*Title:* 'N R G' BRAND, NEW POWDERED YEAST. For Powdered Yeast. WILLIAM H. CRAWFORD, St. Paul, Minn. Published May 12, 1936.

47,529.—*Title:* THE BARRINGTON DELUXE SHIRT. For Shirts. L. R. MORSE, Chicago, Ill. Published April 3, 1936.

47,530.—*Title:* A HAND FINISHED SHIRT. For Shirts. L. R. MORSE, Chicago, Ill. Published April 6, 1936.

47,531.—*Title:* THEBEST SHIRT. For Shirts. L. R. MORSE, Chicago, Ill. Published April 16, 1936.

47,532.—*Title:* PETER PAN WELCOME LOAF. For Bread. P. F. PETERSEN BAKING CO., Omaha, Nebr. Published January 1, 1936.

47,533.—*Title:* ALL PURPOSE PATTY MOLD. For a Device for Molding Foods. ANTON PETERSON, Chicago, Ill. Published April 10, 1936.

PRINTS

REGISTERED JUNE 9, 1936

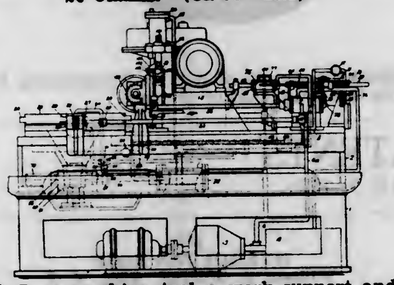
15,715.—*Title:* BROMO LIFTER. For Bromo Headache Granules. THE PROCESS CORPORATION, Chicago, Ill. Published April 14, 1936.

15,716.—*Title:* ALKALINE TABLETS. For Alkaline Effervescent Tablets. THE PROCESS CORPORATION, Chicago, Ill. Published April 14, 1936.

15,717.—*Title:* REYNOLDS SPECIFICATION HOUSES. For Building Materials. REYNOLDS CORPORATION, New York, N. Y. Published April 12, 1936.

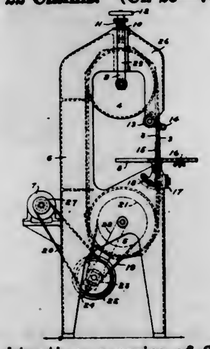
15,718.—*Title:* SURE. For a Liquid Preparation for Purifying the Breath. SURE LABORATORIES, Chicago, Ill. Published March 28, 1936.

19,998
MILLING MACHINE
Henry O. Fletcher, Manchester, N. H.
Original No. 2,027,726, dated January 14, 1936, Serial No. 1,378, January 11, 1935. Application for reissue February 13, 1936, Serial No. 63,816
20 Claims. (Cl. 90—15.1)



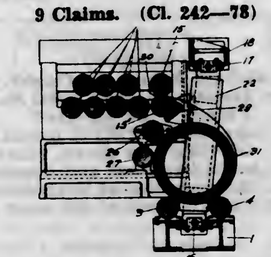
20. In a machine tool a work support and a cutter; means, including a hydraulic motor, for advancing one of said parts, relative to the other, to perform a cutting operation on the work, and to return said part to initial position; means to rotate the work holder between cutting operations to present a new piece of work to be operated upon by the cutter; a piping system for distributing fluid under pressure to said motor; a pipe line for delivering fluid to said motor to effect said advance movement for the cutting operation; a control valve in said last mentioned pipe line; a by-pass pipe, having a check valve, for conducting exhaust fluid only past said control valve; and means, operative by the rotation of the work holder for closing said control valve at the beginning of said rotation to prevent the occurrence of said advance movement until the work holder has completed its rotary movement, and to open said valve at the end of said rotation.

19,999
FILING MACHINE
Benjamin Grob and Theodore Grob, West Allis, Wis.
Original No. 1,949,742, dated March 6, 1934, Serial No. 454,593, May 22, 1930. Application for reissue March 2, 1936, Serial No. 66,776
22 Claims. (Cl. 29—76)



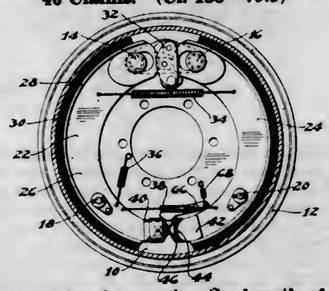
1. In combination, a series of files, a series of links supporting said files, said links having overlapping ends provided with alined transverse openings of equal diameter, and pivot pins having medial portions of diameter substantially equal to that of said openings and having end portions of reduced diameter, said pins connecting the successive links of said series to provide an endless file carrier.

20,000
APPARATUS AND PROCESS FOR UNCOILING COILED SHEET METAL
William H. Hofer, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a corporation of Ohio
Original No. 2,020,889, dated November 12, 1935, Serial No. 646,660, December 10, 1932. Application for reissue March 10, 1936, Serial No. 68,139
9 Claims. (Cl. 242—78)



9. A process of decoiling metal stock which is subject to coiler breaks, which process comprises withdrawing the metal from a coil in a substantially tangential direction by engaging the metal close to the coil and rotating said coil in timed relationship with said withdrawal, and maintaining the position of said coil with respect to said position of engagement during said withdrawal, so as to prevent sharp bending of the metal, which would produce coiler breaks.

20,001
BRAKE
Montgomery W. McConkey, Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Original application February 11, 1929, Serial No. 339,000. Divided and application March 7, 1931, Serial No. 520,802, now Patent No. 1,989,208, dated January 29, 1935. This application for reissue December 5, 1935, Serial No. 53,021
46 Claims. (Cl. 188—79.5)

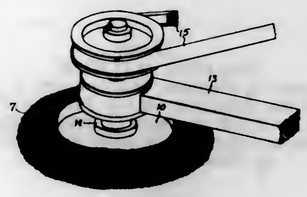


46. Apparatus for varying the length of a brake shoe comprising a web on said shoe, a coacting ad-

justing member slotted to embrace said web, a member movably carried by the adjusting member and engaging said shoe and adapted to move said adjusting member in one direction and a spring adapted to move said adjusting member in the opposite direction.

20,002
POLISHING DEVICE
William H. Robbins, Delray Beach, Fla., assignor to The Williams Company, London, Ohio, a corporation of Ohio
Original No. 1,988,335, dated January 15, 1935, Serial No. 672,272, May 22, 1933. Application for reissue April 4, 1936, Serial No. 72,799
6 Claims. (Cl. 15—230)

1. A new article of manufacture for polishing, comprising a rotary head, a ring-shaped steel wool pad having an aperture receiving said head, said pad being composed of layers of steel wool



ribbon, the strands of steel wool comprising loops lying in axial planes of the ring.

PLANT PATENTS
GRANTED JUNE 9, 1936

179
ROSE
Edward Richard Asmus, Sr., Closter, N. J.
Application January 24, 1936, Serial No. 60,686
1 Claim. (Cl. 47—61)

The new and distinct variety of hybrid tea rose plant herein described and shown, characterized particularly by its hardiness and disease resistance, its prolific production of large flowers having the distinctive coloration and color changes as shown.

180
ROSE
Walter L. Armacost, Los Angeles, Calif., assignor to Armacost & Royston, Inc., Los Angeles, Calif., a corporation of California
Application January 6, 1936, Serial No. 57,724
1 Claim. (Cl. 47—61)

A new and distinct variety of rose, as herein described, characterized by its presentation of a very rich variegated warm orange coloration; the ability of the bloom to retain its beauty of coloration and shape to the point of its withering; its vigorous growth as a bush; its continuous blooming quality, and its pronounced continuous and pleasing tea fragrance throughout the existence of the bloom.

181
HYBRID TEA ROSE
William B. Murray, Atco, N. J.
Application January 30, 1936, Serial No. 61,580
1 Claim. (Cl. 47—61)

The variety of hybrid tea rose plant herein described and illustrated, characterized particularly by its lack of thorns on the flowering shoots, and other peculiarities of foliage as described, as well as by its large and heavy blossoms of a uniform rose to rose pink color.

182
ROSE
Svend Poulsen, Copenhagen, Denmark, assignor to Jackson and Perkins Company, Newark, N. Y.
Application January 9, 1936, Serial No. 58,387
In Denmark March 10, 1934
1 Claim. (Cl. 47—61)

A new and distinct type of bedding rose plant characterized by its hardiness and inflorescence of a true polyantha in combination with the bloom characteristics of a hybrid tea, as shown and described and further characterized as to novelty by color range of the bloom as shown and the resistance of the plant to adverse weather conditions.

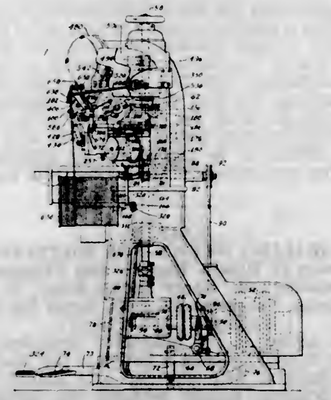
PATENTS
GRANTED JUNE 9, 1936

2,043,218
WINDSHIELD WIPER
John W. Anderson, Gary, Ind.
Application November 14, 1931, Serial No. 574,967
5 Claims. (Cl. 287—58)



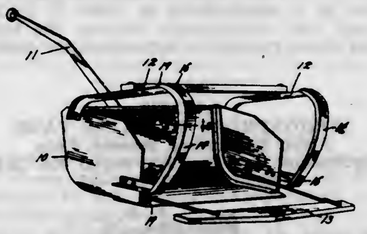
3. In a device of the class described, a windshield wiper arm comprising an inner section, an outer section slidably mounted on said inner section and extending beyond the end thereof, a bracket mounted on one of said sections, and resilient means on said bracket and engageable with the other of said sections for urging said other of the sections against a portion of said bracket for maintaining the sections in various adjusted positions with respect to each other.

2,043,219
SHOE SEWING MACHINE
Fred Ashworth, Wenham, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application November 23, 1933, Serial No. 699,341
21 Claims. (Cl. 112—38)



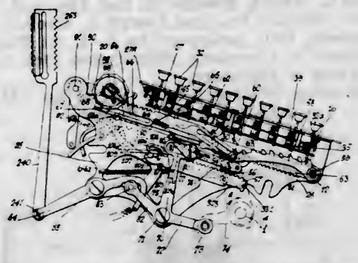
1. A sewing machine having, in combination, stitch forming devices including a needle, work supporting devices for positioning the work in the machine, and means rendered operative upon stopping the machine for actuating said work supporting devices to move the work out of the path of the needle and to release the work, and thereafter to position said work supporting devices to receive new work in sewing position.

2,043,220
EARTH SCRAPER
Philip C. Anderson, Rapid City, S. Dak.
Application December 24, 1934, Serial No. 758,931
3 Claims. (Cl. 37—140)



1. A wearing shoe for "Fresno" scrapers comprising: an arcuate channel member having slots extending inwardly from each of its extremities for receiving bolts to attach said member to said runner; and a series of triangular, oppositely-placed notches along the edge of one of said slots for engaging the corners of a bolt head.

2,043,221
CALCULATING MACHINE
William Ball, Wallington, England, assignor, by direct and mesne assignments, to British Adding and Calculating Machines Limited, London, England
Original application May 31, 1930, Serial No. 458,629. Divided and this application August 13, 1931, Serial No. 556,836. In Great Britain and France April 14, 1930
7 Claims. (Cl. 235—133)



1. In a calculating machine, the combination with totalizer wheels, each having an upper rack, a setting rack connected thereto, a normally stationary transfer rack and a pinion engaging with both of said upper and transfer racks, whereby movement of said pinion moves the upper and setting racks by an amount equal to twice the linear movement of the pinion, of means for moving the transfer rack out of its normal position in one direction to effect a transfer, a main

operating shaft, an operative connection between the operating shaft and said pinion, and abutment means carried by said operating shaft so as to reset the transfer rack after said rack has been displaced to effect a transfer, and means for latching said transfer rack in the reset position.

2,043,222

METHOD OF MAKING CERAMIC OBJECTS

Otto Bartsch, Jena, Germany, assignor to the firm Jenaer Glaswerk Schott & Gen., Jena, Germany

No Drawing. Application July 30, 1935, Serial No. 33,862. In Germany August 1, 1934

4 Claims. (Cl. 25—156)

2. A method of making a body of ceramic material, consisting in this that a mixture containing much silica and a small content of fusing means is molded into the desired shape, then fritted at a temperature of 1,500° C. to 1,700° C., and that, subsequently thereto, the body is cooled down rapidly to approximately 1,000° C.

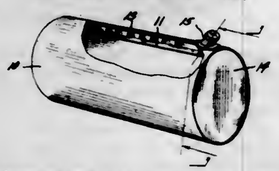
2,043,223

SIPHONPROOF GASOLINE TANK

Floyd T. Baumes, Denver, Colo.

Application May 18, 1935, Serial No. 22,150

5 Claims. (Cl. 220—86)



1. A siphon-proof gasoline tank structure comprising: a horizontally disposed tank; a horizontal channel extending substantially the full length of said tank along the top thereof and provided with openings communicating between said channel and said tank; flaps extending partially over said openings and a filling nipple opening to said channel, said flaps extending away from said filling nipple.

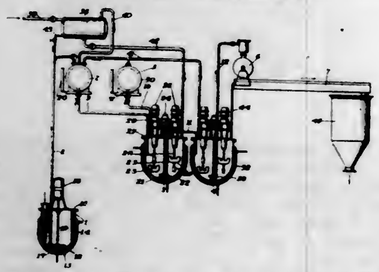
2,043,224

PRODUCTION OF ALKYLATED LEAD

Marion G. Amick, Boothwyn, and James C. Lawrence, Moylan, Pa., and Joseph L. Stecher, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

Application October 3, 1934, Serial No. 746,643

2 Claims. (Cl. 266—34)



1. In an apparatus for the production of lead sodium alloy, a manufacturing pot, a container for melting sodium and supplying the same in measured amounts to the manufacturing pot, a container for melted lead for supplying the same in measured amount to the manufacturing pot, a container for melted lead for supplying the first-named lead container, connections for the flow of molten lead from the second-named lead container to the first-named lead container, connections for conducting the sodium in molten state from the sodium container to the manufacturing pot, connections for conducting the lead in molten state from the first-named lead container to the manufacturing pot, means for heating the portions of the apparatus for molten material, and means for supplying an inert medium for preventing oxidation of the materials in process in the apparatus, such means including provisions for supplying said medium to the connections between said two lead containers.

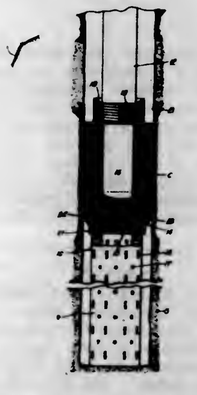
2,043,225

METHOD AND APPARATUS FOR TESTING THE PRODUCTIVITY OF THE FORMATION IN WELLS

Arthur L. Armentrout, Bakersfield, and Elwin B. Hall, Los Angeles, Calif.

Application July 5, 1935, Serial No. 29,988

19 Claims. (Cl. 166—1)



1. Apparatus for testing the formation in a well including a tubular string adapted to be run into the well, a body releasably connected with the lower end of the string and having an opening communicating with the string and perforations for carrying the test fluid to the opening, and means on the body for excluding the well liquid from the stratum tested, said body and means being friable to be drilled up by drilling tools following detachment of the string from the body.

2,043,226

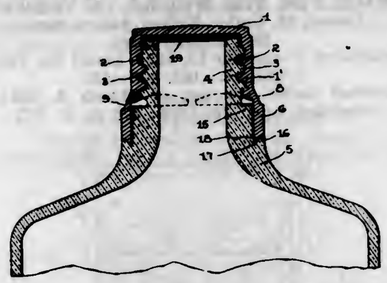
SEALING DEVICE FOR BOTTLES

Warren H. Beider, Passaic, and Thomas M. Cunningham, Upper Saddle River, N. J.

Application November 22, 1934, Serial No. 754,216

4 Claims. (Cl. 215—7)

1. A device of the character described comprising in combination, a bottle, a cap thereon, a collar integral with the cap and spaced therefrom, bonding means between the bottle and the said collar, and spacing webs between the said cap and the said collar fracture lines in the cap adjacent said spacing webs whereby a portion of the cap within said fracture lines will be



broken away when the cap is removed from the bottle.

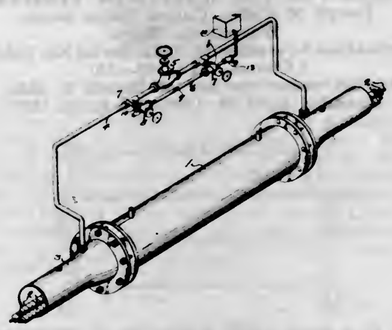
2,043,227

LEAK INDICATING APPARATUS FOR OIL FILLED ELECTRIC POWER CABLES

Charles E. Bennett, Hawthorne, N. J., assignor to The Okonite-Callender Cable Company, Incorporated, Paterson, N. J., a corporation of New Jersey

Application January 20, 1934, Serial No. 707,444

2 Claims. (Cl. 137—77)



1. A device for indicating leaks in oil filled electric power cables, said indicator comprising in combination a pipe adapted to be placed in communication with the interior of the cable in shunt to the cable, a transparent tube connected in shunt to said pipe, valves for normally preventing the movement of the oil of the cable through said transparent tube, another valve for preventing movement of the cable oil except through said tube, and a float in said transparent tube adapted to be actuated in the direction of a leak in the cable by oil flow through the transparent tube toward the leak.

2,043,228

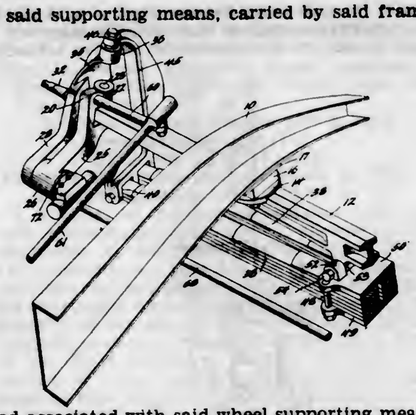
MOTOR VEHICLE

Frank C. Best, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan

Application February 27, 1933, Serial No. 658,866

17 Claims. (Cl. 280—96.2)

1. In a motor vehicle, the combination with a vehicle frame, of a steerable road wheel, a steering knuckle carried by said frame, means supporting said wheel on said knuckle for steering movement therewith and for swinging movement in a substantially vertical plane with respect thereto, and a leaf spring assembly independent of said supporting means, carried by said frame



and associated with said wheel supporting means for resisting vertical movement of the wheel.

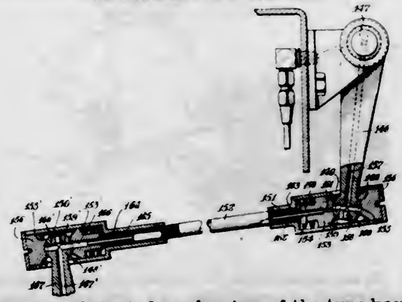
2,043,229

CENTRAL LUBRICATION

Joseph Bijur, deceased, late of New York, N. Y., by George Bijur, executor, New York, N. Y., assignor to Auto Research Corporation, a corporation of Delaware

Original application December 27, 1924, Serial No. 758,361. Patent No. 1,888,422, dated November 22, 1932. Divided and this application November 19, 1932, Serial No. 643,322

34 Claims. (Cl. 184—7)



1. In a lubricated mechanism of the type having a control, an operated mechanism and an operating linkage train between said control and said operated mechanism, said linkage train having bearings to be lubricated, in combination, a pair of mechanical elements in the linkage train, including an operating arm and an operated pitman link, said link being tubular and having a terminal receptacle fixed thereon, housing the corresponding end of said arm, means maintaining said pitman link assembled to said arm and constituting a bearing for the end of said arm, a duct lengthwise of said arm supplying said bearing, said receptacle draining to the tubular length of the pitman.

2,043,230

FACIAL MEASURING APPARATUS

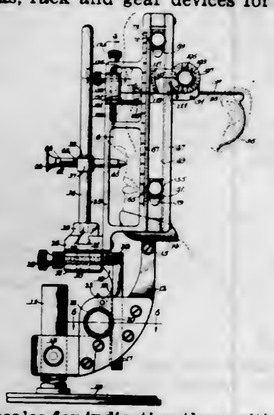
Stephen H. Boll and Julian E. Lewis, Chicago, Ill.

Application May 19, 1932, Serial No. 612,286

13 Claims. (Cl. 33—174)

1. In a measuring device, the combination of a frame, vertically adjustable blocks mounted in said frame, screws for adjusting said blocks,

scales for indicating the positions of said blocks, transversely arranged bars slidably mounted in said blocks, rack and gear devices for actuating



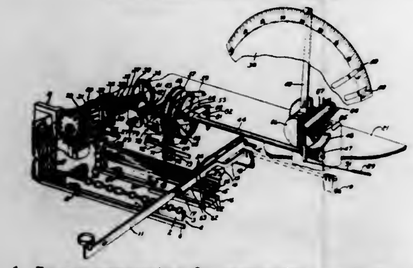
the bars, scales for indicating the positions of the bars, transparent panes carried by said bars, and cross marks on said panes.

2,043,231

KEYBOARD PERFORATOR AND COUNTER

Stanley Bracken, La Grange, and Maurus T. Geetz, Chicago, Ill., assignors to Teletype Corporation, Chicago, Ill., a corporation of Delaware

Application November 17, 1933, Serial No. 698,430
30 Claims. (Cl. 164—112)



1. In an apparatus for preparing control strips for linecasting machines, an indicator, means operable under certain operating conditions for operating the indicator, other means operable under different operating conditions for augmenting the operation of said means, and means operable permutably for selectively controlling the operations of said pair of means for determining the extent of operation of said indicator.

2,043,232

PROCESS OF CONDUCTING ALKALI FUSIONS

Samuel G. Burroughs, Pittsburgh, Pa., assignor to Pennsylvania Coal Products Company, a corporation of Pennsylvania

No Drawing. **Application October 11, 1934, Serial No. 747,927**
5 Claims. (Cl. 260—154)

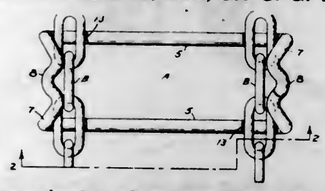
1. The process of fusing aromatic sulphonic acid salts which are soluble in hot water with caustic alkali, which consists in melting a part of the caustic alkali, dissolving the remainder of the caustic alkali in a water solution of the aromatic sulphonic acid salt and then adding the solution to the molten caustic alkali.

2,043,233

TRACK FOR THE WHEELS OF VEHICLES

Joseph M. Colby, United States Army, Watertown, Mass.

Application November 15, 1934, Serial No. 753,163
3 Claims. (Cl. 305—10)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



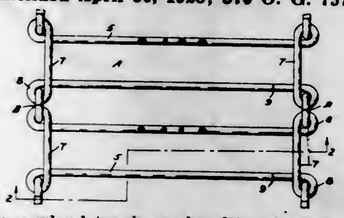
1. In a wheel track, a plurality of similar sections, each section formed of a single length of rod bent to provide a pair of spaced crossbars and wheel guides at the ends of the crossbars, a pair of link chains connecting the sections, each chain extending over corresponding ends of the crossbars adjacent the wheel guides and having links lying flat on and welded to the inner sides of the crossbars.

2,043,234

TRACK FOR THE WHEELS OF VEHICLES

Joseph M. Colby, United States Army, Watertown, Mass.

Application November 15, 1934, Serial No. 753,164
2 Claims. (Cl. 305—10)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)
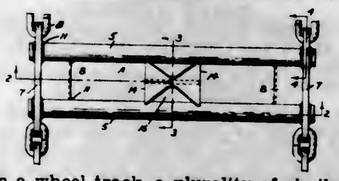


2. In a wheel track, a plurality of similar sections, each section comprising a rectangular frame formed of rod material and bent to provide a pair of parallel spaced cross-bars and side-bars with loops at the four corners of the frame, and links, each link connecting the adjacent loops of adjacent sections.

2,043,235

TRACK FOR THE WHEELS OF VEHICLES

Joseph M. Colby, United States Army, Watertown, Mass.

Application November 15, 1934, Serial No. 753,165
4 Claims. (Cl. 305—10)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



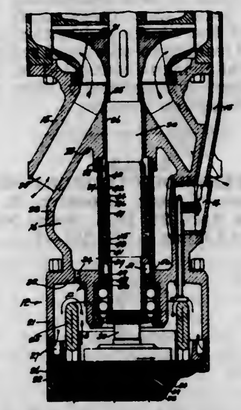
4. In a wheel track, a plurality of similar sections, each section comprising a pair of spaced rods, plates having apertures for receiving the ends of the rods and secured thereto, webs rigidly secured to the end portions of the rods on the inner sides of the plates, and links connecting the plates of adjoining sections.

2,043,236

SUBMERGIBLE MOTOR

David J. Conant, Memphis, Tenn.

Application June 1, 1934, Serial No. 728,520
16 Claims. (Cl. 172—36)



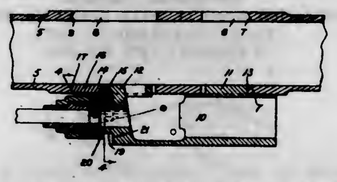
1. A submergible electric motor including a closed casing adapted to be filled with liquid, a motor in the casing, and a partition dividing said casing into a motor compartment and a superposed chamber for liquid, said partition having openings therethrough establishing communication between said compartment and chamber, the shaft of said motor extending upward from said compartment through mechanical leakage-sealing means, said sealing means lying below the upper end of said chamber.

2,043,237

COUPLING

Richard C. Coupland, United States Army, Norfolk, Va.

Application July 10, 1934, Serial No. 734,561
2 Claims. (Cl. 89—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a coupling, a support having oppositely inclined surfaces converging outwardly, a member on the outside of the support and having a reduced end, a fixed inclined surface on said member for engaging one of the inclined surfaces of the support, a bell-crank lever fulcrumed on said member, one arm of the lever having an inclined surface for engaging the other inclined surface of the support, the other arm of the lever straddling the reduced end of the member, and a nut on the reduced end of the member holding said other arm against the support.

2,043,238

MANUFACTURE OF DI-CALCIUM PHOSPHATE

Harry A. Curtis, Knoxville, Tenn., assignor to Tennessee Valley Authority, Wilson Dam, Ala., a corporation

No Drawing. **Application July 2, 1934, Serial No. 733,475**
6 Claims. (Cl. 23—109)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

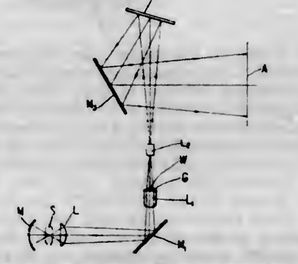
1. Process of making di-calcium phosphate from limestone and concentrated phosphoric acid, containing at least 65% by weight of H_3PO_4, which comprises, separating the ground limestone into a coarser fraction and a finer fraction; reacting the coarser limestone fraction and a sufficient quantity of the concentrated phosphoric acid to form mono-calcium phosphate; making a slurry of the finer limestone fraction in water, the amount of water used being substantially equivalent to that required for the hydration of the di-calcium phosphate subsequently produced; and contacting the mono-calcium phosphate and the slurry of the fine limestone to produce di-calcium phosphate.

2,043,239

CONTROL SYSTEM PARTICULARLY FOR AN INDICIA-BEARING WEB

Kenneth L. Curtis, New York, N. Y., assignor to Trans-Lux Daylight Picture Screen Corporation, New York, N. Y., a corporation of Delaware

Application June 4, 1929, Serial No. 368,318
Renewed March 6, 1934
13 Claims. (Cl. 271—2.3)



1. In the art of controlling movement of an indicia-bearing web movable at a non-uniform rate prior to passage thereof through a projection field, the method which comprises producing by a continuously operating motive device a suction effect varying in accordance with the non-uniform rate of web movement, and utilizing said motive device to move said web through said projection field in accordance with said suction effect.

2,043,240

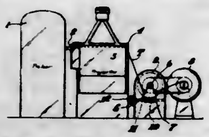
TAPE PULLING DEVICE

August D. Eitzen, Rockville Centre, N. Y., assignor to News Projection Corporation, New York, N. Y., a corporation of New York

Application August 20, 1929, Serial No. 387,104
Renewed May 17, 1933
16 Claims. (Cl. 271—2.4)

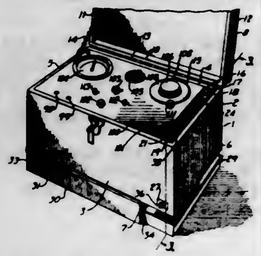
1. The combination with a stock ticker tape, of a tape pulling device for drawing the tape across the light aperture of a projector, a device for controlling the speed of operation of said tape pulling device according to the rate at which the tape is supplied to the light aperture consisting

of a rheostat having a plurality of contacts, a mercury bath, a straight plunger operatively mounted adjacent to said rheostat in a vertically extending path of movement for causing said mercury to cut in the successive resistances of



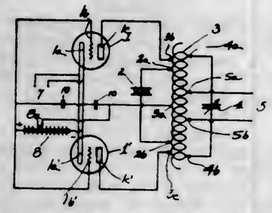
said rheostat to facilitate a gradual start from a period of rest and a gradual arrest of the tape, and means sensitive to the slack in the tape at the entrance to the light aperture operatively connected to said plunger to actuate said plunger.

2,043,241
APPARATUS FOR DETERMINING THE MOISTURE CONTENT OF A MATERIAL
Benjamin F. Eyer, Kansas City, Mo.
Application December 9, 1932, Serial No. 646,475
12 Claims. (Cl. 175—183)



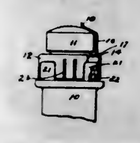
1. In a device for measuring moisture content of material, a housing, an opened bottom hopper in the housing formed of insulating material, a valve member controlling the open bottom of the hopper, condenser plates fixed in spaced relation at opposite outer sides of the hopper, a measuring circuit including said condenser plates, an oscillatory circuit intercoupled with the measuring circuit, means in the oscillatory circuit to maintain a fixed frequency in said oscillatory circuit, and means in the measuring circuit for bringing said circuits into resonance to determine the relative di-electric capacity of a material placed in said hopper.

2,043,242
HIGH FREQUENCY OSCILLATOR
Louis A. Gebhard, Washington, D. C.
Application June 17, 1933, Serial No. 676,252
5 Claims. (Cl. 250—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



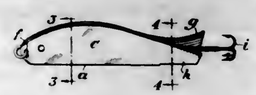
1. A high frequency oscillator comprising a pair of balanced electron tubes each having a cathode, anode and control electrode, a source of potential, an inductance, said source of potential having the negative terminal thereof connected to said cathodes and a positive terminal thereof leading to a center connection along said inductance, and a more positive terminal thereof connected in common to said control electrodes, opposite ends of said inductance connected with the anode of each of said electron tubes, an electrical circuit including an adjustable condenser connected in shunt through adjustable taps adjacent remote ends of said inductance, adjustable taps on said inductance intermediate the aforesaid taps and the center connection to said inductance and leading to an output system, a piezo electric crystal element connected in shunt with said inductance symmetrically with respect to the center connection thereto.

2,043,243
TAMPERPROOF CLOSURE SEAL
Solomon Grauer, Brooklyn, N. Y.
Application April 20, 1935, Serial No. 17,402
9 Claims. (Cl. 215—7)



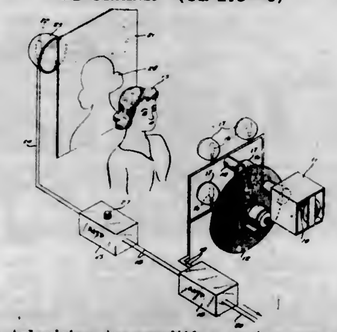
1. A device of the class described comprising a tubular seal attachable over the discharge end of a container, an inwardly extending flange formed at the upper end of the seal, a plurality of cut-out portions formed in the other end of the seal and adapted to accommodate a plurality of projections provided on the container, inwardly extending hooks formed on the end of the seal which when engaged in grooves provided in the container secure the seal to the container and permanently prevent its removal therefrom, and a plurality of arms connected to said flange and extending inwardly over and engaging the closure of the container, and the connections between the arms and the flange weakened to facilitate breaking said connections.

2,043,244
FISH LURE
Axel William Hauffman and Thure Zetterberg, Stockholm, Sweden
Application April 11, 1933, Serial No. 665,500
In Sweden April 22, 1932
3 Claims. (Cl. 43—46)



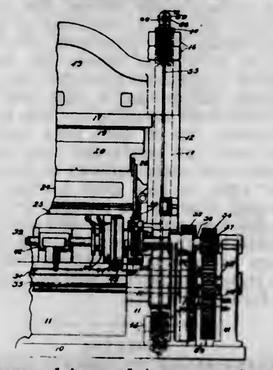
1. A fish lure comprising a member provided with a single fold and defining two symmetrical portions which are maintained in contact solely by reason of the material of which the member is formed, and spaced connected portions forming tails at one end of said member, said spaced connected portions diverging upwardly and rearwardly and having an intermediate part forming an opening to receive a hook member, said tails being adapted to produce wobbling movement of the lure as it is drawn through the water.

2,043,245
TELEVISION TRANSMITTING APPARATUS
Robert Harding, Jr., Elmsford, N. Y., assignor to National Television Corporation, Wilmington, Del., a corporation of Delaware
Application December 19, 1933, Serial No. 703,063
14 Claims. (Cl. 178—6)



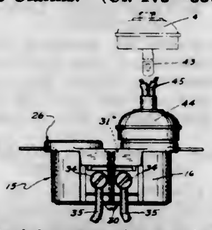
1. A television transmitting system comprising a light source, means to direct the light from said source in a series of moving spots of light across the object to be televised, a light-sensitive cell positioned so as to receive light reflected from said object, means to amplify the impulses received by said cell, and means behind said object to intercept the light from said light directing means except that intercepted by the object and to translate said light into electrical impulses.

2,043,246
POWER PRESS
Thomas Blair Hawkes, Champlain, N. Y., assignor of one-half to The Sheridan Iron Works and one-half to The T. W. & C. B. Sheridan Company, corporations of New York
Application December 3, 1932, Serial No. 645,565
8 Claims. (Cl. 101—3)



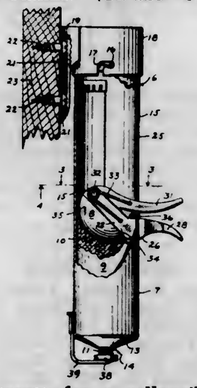
1. In a power driven platen press for embossing or pressing leather or like material having a frame and an operating shaft with connections for forcibly advancing or lifting the movable platen toward the other platen and causing its retraction in each cycle of the press; a power drive and throw-off means or clutch for driving and discontinuing drive of the shaft, a stopping device or switch connected for temporarily throwing off the drive to stop the shaft and timed to operate when the movable platen is in full-pressure position, a timed cylinder and piston device set into operation when the movable platen is in full-pressure position and having a predetermined period of operation during which the shaft pauses, and the material remains under full pressure, and a restarting device or switch set into operation when the escapement device reaches the end of its period and connected to restore the drive of the shaft and complete the cycle of the press, the cylinder and piston device having a flow adjusting valve or escape to vary the pause of the shaft.

2,043,247
GRIPPING RECEPTACLE
Harvey Hubbell, Jr., Bridgeport, Conn.
Application June 15, 1932, Serial No. 617,287
10 Claims. (Cl. 173—330)



1. In an electric connector, an insulating body having recesses therein and arcuate openings leading to said recesses, contact members in said recesses and including arcuate lateral portions substantially concentric with said openings, a standard cap having parallel straight contact fingers insertable through said openings into engagement with the contact members by a relative longitudinal movement between the body and cap, said lateral contact portions comprising gripping means within the body and mounted to grip said contact fingers to resist separation of the cap and body, and said gripping means mounted to become effective after longitudinal movement of the fingers into engagement with the contact members by a lateral shifting of said contact fingers into engagement with the lateral contact portions while continuously in engagement with the contact members.

2,043,248
SQUEEZER FOR COLLAPSIBLE TUBES
Howard R. Hughes, Oakland, Calif.
Application October 15, 1934, Serial No. 748,316
8 Claims. (Cl. 221—60)



8. In a squeezer for a collapsible tube containing plastic material and having a terminal

discharge opening, a support member carrying and generally enclosing the tube, a squeezing element arranged for swinging actuations thereof against the tube in the support member to flatten the tube directly against a fixed portion of the support member for expressing said material from the tube, and a member pivotally carrying said element for its swinging actuation and slidably mounted on the support member at a portion thereof at the opposite side of the support member from said first portion for a solely rectilinear advancement of its pivot point toward the discharge end of the tube as the latter is flattened.

2,043,249

PLASTIC REFRACTORY INSULATING MATERIAL

Otis L. Jones, Joliet, Ill., assignor, by direct and mesne assignments, of one-half to Illinois Clay Products Company, Joliet, Ill., a corporation of Illinois, and one-half to F. E. Schundler & Company, Inc., Joliet, Ill., a corporation of Illinois

No Drawing. Application August 9, 1933, Serial No. 684,393
5 Claims. (Cl. 106—10)

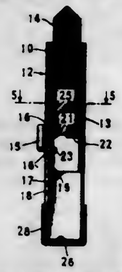
1. A plastic refractory insulating material capable when set of withstanding temperatures up to 2700° F. without materially weakening or spalling, comprising from 50 to 70% of exfoliated vermiculite, from 15 to 30% of high alumina hydraulic cement, from 5 to 15% of plastic fire clay, and from 10 to 25% of calcined fire clay.

2,043,250

LIP STICK HOLDER

Nathan Kasdan, New York, and Richard F. Landwehr, Laurelton, Long Island, N. Y., assignors to Majestic Metal Specialties, Inc., New York, N. Y., a corporation of New York

Application August 18, 1934, Serial No. 740,376
11 Claims. (Cl. 206—56)



1. In a device of the class described the combination with a casing, of a carrier longitudinally movable in the casing, a cap tightly fitting one end of the casing, a transverse strip adjacent the end of the casing within said cap, said strip being deformed after attachment of the cap to expansively wedge the casing walls to the cap side walls.

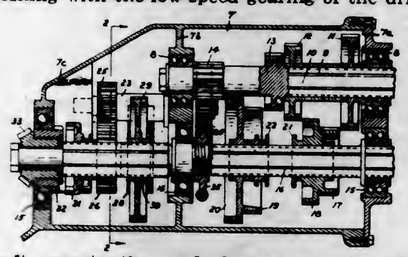
2,043,251

TRANSMISSION

Harry A. Knox, Davenport, Iowa, and Thomas Hay Nixon, Gettysburg, Pa.

Application October 18, 1934, Serial No. 748,867
2 Claims. (Cl. 74—343)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a transmission, a first, second and third support, a drive shaft mounted in the first and second supports, a driven shaft mounted in all of the supports, change-speed gearing connecting the shafts and including low-speed gearing positioned adjacent the second support, first and second idler shafts mounted in the second and third supports, a gear on the first idler shaft meshing with the low speed gearing of the drive



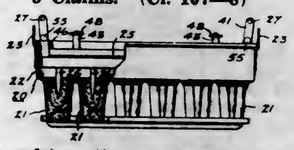
shaft, constantly meshed gears on the idler shafts, a second gear on the second idler shaft and fast to the meshed gear on said shaft, and a gear slidable on the driven shaft between the second and third supports and selectively engageable with the constantly meshed gear of the first idler shaft and the second gear on the second idler shaft.

2,043,252

MOLDING APPARATUS

Edwin W. Kronbach, Cleveland, Ohio, assignor, by mesne assignments, to Joe Lowe Corporation, a corporation of Delaware

Application October 29, 1932, Serial No. 640,220
5 Claims. (Cl. 107—8)



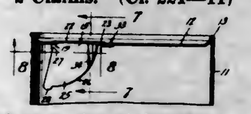
2. In a refrigerating device, the combination with a mold structure including a plurality of individual molds for containing confection material to be frozen, of means for withdrawing the solidified confection material from the molds when frozen comprising a rack having a plurality of fixed pegs mounted thereon and depending therefrom, one of said pegs being adapted to extend into the confection material in each of the individual molds and to be frozen therein, the lower ends of said pegs having ledge portions formed therein to provide locking means between the peg and the frozen confection material, which locking means is within the confines of the peg and permits withdrawal of the peg from the frozen confection without rupturing the opening formed thereby.

2,043,253

CONTAINER POURING SPOUT

William R. Lord, Matawan, N. J., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application April 14, 1934, Serial No. 720,636
2 Claims. (Cl. 221—11)



1. A pouring spout container having a wall provided with a dispensing opening, and a pouring spout hingedly mounted in said opening and movable to open and closed positions, said pouring spout having a top wall portion and spaced side wall members depending therefrom, said side wall members having the tendency to spring outwardly to frictionally engage the walls defining said opening when the spout is moved to open and closed positions, and an elongated outward projection on each of said side walls disposed adjacent said top portion and extending to the outer margin of its respective side wall, whereby the end of said projection adjacent the top wall of said spout member engages beneath the container wall to yieldably maintain the spout in closed position, and the outward movement of said spout resiliently engages said projection with the opening walls to place said spaced side walls under frictional tension relative to said opening at a point where the outward springing tendency of said spout side walls is insufficient, during the opening and closing of said spout member.

2,043,254

TREATMENT OF HYDROCARBON OIL

William M. Malisoff, Philadelphia, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application April 7, 1932, Serial No. 603,899
3 Claims. (Cl. 196—32)

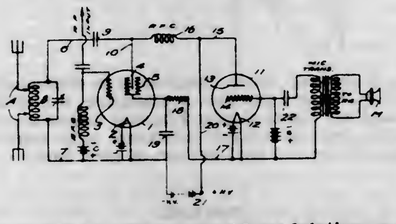
1. In a process for refining hydrocarbon oil, the steps which comprise contacting the oil with an alcohol alkali solution, said solution containing sufficient water substantially to inhibit the mutual solubility of the solution and the oil, the amount of water present being less than substantially 15%, separating the oil from the alcoholic alkali solution and impurities absorbed therein, and treating the separated oil with a sludge-forming agent capable of forming with unstable constituents in such oil an easily removable fluid sludge.

2,043,255

SYSTEM OF SCREEN GRID MODULATION

William S. Marks, Jr., Fort Monmouth, N. J.

Application July 9, 1931, Serial No. 549,603
4 Claims. (Cl. 179—171)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



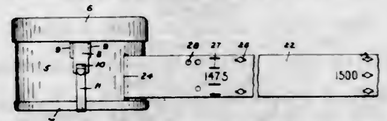
1. A system of screen grid modulation, comprising in a transmitter circuit, an electron tube to be modulated, having anode screening grid means; means for maintaining a positive bias on said anode screening grid means; a modulator tube operatively coupled in series with said first named tube; an auxiliary tube operatively coupled with the said modulator tube; and means for impressing modulating frequencies upon said anode screening grid means through said auxiliary tube and said modulator tube, including means to start and stop the flow of screen grid current through said modulator tube.

2,043,256

CARTRIDGE FOR PROJECTILES

Robert D. McLeod, Jr., United States Army, Aberdeen, Md.

Application October 25, 1935, Serial No. 46,708
6 Claims. (Cl. 102—12)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A cartridge comprising a case having a body formed with a slot, a bottom cover on the body, a top cover on the body detachably connected to the body, an inwardly extending boss on the top cover, a pin on the boss, a reel within the case and including a hub, a diaphragm receiving the boss of the top cover in the hub and having an aperture receiving the pin on the boss, a strip of powder wound on the reel and having its outer end protruding through the slot in the body, and range identifications on the strip.

2,043,257

PRESERVATION OF CHLORINATED HYDROCARBONS

Edmund C. Missbach, Berkeley, Calif., assignor to Stauffer Chemical Company, a corporation of California

No Drawing. Application October 9, 1933, Serial No. 692,819
6 Claims. (Cl. 23—250)

1. Carbon tetrachloride containing a stabilizing amount of an alkyl cyanamide.

2,043,258

STABILIZED CARBON TETRACHLORIDE

Edmund C. Missbach, Oakland, Calif., assignor to Stauffer Chemical Company, a corporation of California

No Drawing. Original application October 9, 1933, Serial No. 692,819. Divided and this application January 23, 1935, Serial No. 3,182
4 Claims. (Cl. 23—250)

1. Carbon tetrachloride containing less than 1% of a thio-carbamide.

2,043,259

STABILIZED CARBON TETRACHLORIDE

Edmund C. Missbach, Oakland, Calif., assignor to Stauffer Chemical Company, a corporation of California

No Drawing. Original application October 9, 1933, Serial No. 692,819. Divided and this application January 23, 1935, Serial No. 3,183
5 Claims. (Cl. 23—250)

2. Carbon tetrachloride containing a stabilizing amount of hexamethylene tetramine.

2,043,260

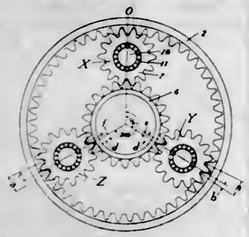
STABILIZED CARBON TETRACHLORIDE

Edmund C. Missbach, Oakland, Calif., assignor to Stauffer Chemical Company, a corporation of California

No Drawing. Original application October 9, 1933, Serial No. 692,819. Divided and this application January 23, 1935, Serial No. 3,184
2 Claims. (Cl. 23—250)

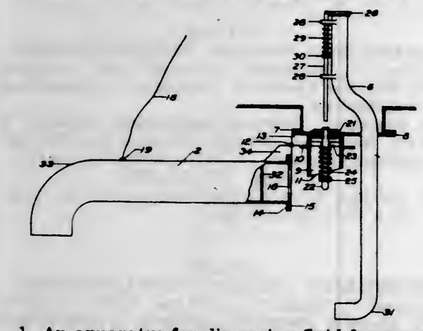
1. Carbon tetrachloride containing a stabilizing amount of ethyl cyanide.

2,043,261
GEARING
Alfons H. Neuland, Irvington, N. J.
Application December 30, 1932, Serial No. 649,635
10 Claims. (Cl. 74—305)



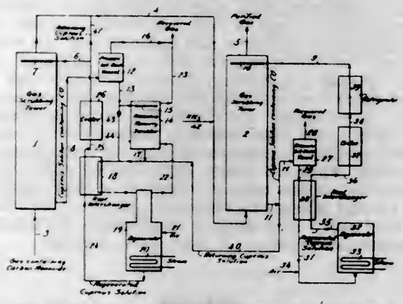
1. A differential gear train comprising two sun gears having a plurality of equally spaced planet gears associated therewith, all of said gears having the same tooth pitch and the number of teeth on each said sun gear and the number of equally spaced planet gears being so chosen that one is odd and the other is even, and the number of teeth on either sun gear has no common factor with the number of planet gears.

2,043,262
APPARATUS FOR DISPENSING LIQUIDS FROM AIRPLANES
Nicholas E. Oglesby, Troy, N. Y., Sebastian W. Kessler, Perth Amboy, N. J., and Adlai H. Gilkeson, Montgomery, Ala.
Application February 5, 1932, Serial No. 591,250
12 Claims. (Cl. 244—1)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



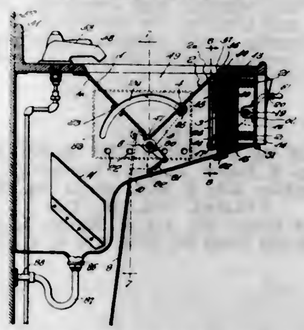
1. An apparatus for dispersing fluid from moving aircraft, comprising a container for storing fluid on aircraft, a valve casing and a vent line therein, valve seals for normally closing the valve casing and the vent line, a discharge line hinged on the container adjacent the valve casing normally adapted to be held in a raised, inoperative position by a cable operable by the personnel in the aircraft, means associated with the discharge line adapted to contact with the stem on the valve seal closing the valve casing on lowering of the discharge line by release of the cable, to allow fluid within the container to pass therethrough, the valve seal and the valve casing being open, and being adapted to contact with the stem on the valve seal closing the vent line to successively open the valve through delayed action to introduce pressure into the container and assist in the dispensation of the fluid in the container through the discharge line.

2,043,263
PROCESS FOR PURIFYING GASES
Frank Porter, Syracuse, N. Y., assignor to Atmospheric Nitrogen Corporation, New York, N. Y., a corporation of New York
Application February 20, 1931, Serial No. 517,193
13 Claims. (Cl. 23—2)



1. In the process of purifying a gas of carbon monoxide by treatment with ammoniacal cuprous solution, that improvement which comprises contacting said gas with ammoniacal cuprous solution of increased proportion of free ammonia to cuprous copper as the amount of carbon monoxide in said gas is decreased by absorption in said solution.

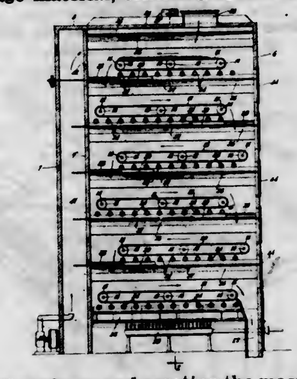
2,043,264
AUTOMATIC SANITARY INSERT BASIN
George V. Riley, Washington, D. C.
Application April 18, 1935, Serial No. 17,096
15 Claims. (Cl. 4—166)



1. A sanitary basin comprising in combination with a recessed portion, a magazine, a plurality of sanitary liners disposed in said magazine, and means for successively inserting said sanitary liners in the recessed portion of said basin.

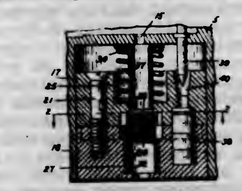
2,043,265
PROCESS OF AND APPARATUS FOR TREATING DECOMPOSABLE ORGANIC MATTER
George H. Reeder, Brooklyn, N. Y., assignor to Bio Reduction Corporation of New York, Brooklyn, N. Y., a corporation of New York
Application February 12, 1932, Serial No. 592,510
16 Claims. (Cl. 71—10)

6. Process of decomposing and/or stabilizing moist organic material, which comprises incorporating in the material bacterial organisms, aerating the mass in such a manner as to inhibit putrefaction and while engendering in it a porous condition to produce a finely divided material, incorporating in the finely divided material bacterial organisms, incorporating the mass thus produced in sewage material, centrifuging to separate the



water therefrom, and aerating the mass thus produced in such a manner as to inhibit putrefaction and while engendering in it a porous condition.

2,043,266
FUSE FOR PROJECTILES
Gilbert E. Rogers, Rockaway, N. J.
Application April 30, 1935, Serial No. 18,981
6 Claims. (Cl. 102—39)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

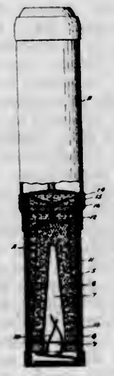


1. In a fuse, a casing having a chamber, a plunger mounted in the chamber and comprising front and rear connected blocks having cavities in their adjoining faces and each having a central opening, a leaf pivotally mounted in each cavity, means for normally holding the leaves in position to interrupt the central openings and yielding when the leaves are moved outwardly to open position, a rear tube in the central opening of the rear block and having an inturned flange on its front end, said tube displaceable forwardly upon linear deceleration of the fuse to maintain the leaves in open position, a front tube partially disposed in the opening of the front block and having a flange on its front end engaging the casing, said tube opposing movement of the plunger when the leaves are in interrupting position and replacing the rear tube between the leaves when the plunger moves forwardly due to inertia, and a spring between the plunger and the flange of the front tube.

2,043,267
PREPARATION OF INSECTICIDES
Vanston H. Ryan and James A. Moran, Kansas City, Mo.
No Drawing. Application October 2, 1933, Serial No. 691,820
23 Claims. (Cl. 167—24)

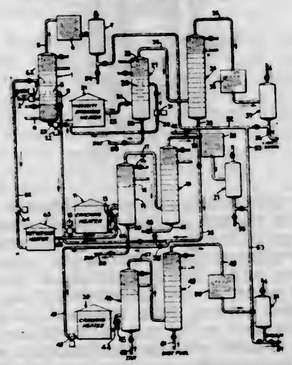
1. A product adapted to serve as concentrate for a germicide, insecticide or parasiticide, comprising a product which is the result of a chemical reaction between the toxic principle of herbs of the class including pyrethrum flowers and derris root with a chemical compound of the alkylolamine family.

2,043,268
ROCKET
Leslie A. Skinner, United States Army, Aberdeen Proving Ground, Md.
Application September 11, 1934, Serial No. 743,540
4 Claims. (Cl. 102—23)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a rocket, a case, a cup within the case formed of a slow-burning material, the wall of the cup being of gradually decreasing thickness towards its open end, and a propelling charge in the cup and bonded thereto, said charge having a faster rate of combustion than that of the cup.

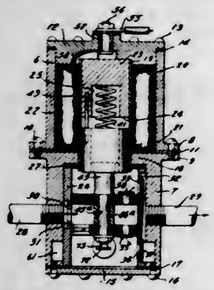
2,043,269
PROCESS FOR THE TREATMENT OF HYDROCARBON OIL
Frederick W. Sullivan, Jr., and Robert F. Ruthruff, Hammond, Ind., assignors to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application December 1, 1934, Serial No. 755,538
11 Claims. (Cl. 196—49)



1. The process of treating hydrocarbon oil which comprises subjecting fresh relatively heavy uncracked charging stock to non-cracking distillation to form an intermediate gas oil con-

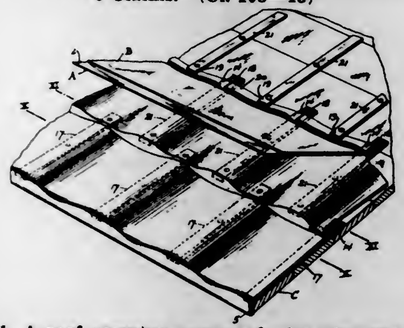
densate and an unvaporized fraction, passing said unvaporized fraction through a first cracking zone wherein it is raised to a cracking temperature and subjected to conversion into products in the gasoline boiling range of not more than about 15% per pass, separating the resulting cracked products into vapors and a liquid residue, fractionating said vapors to form a final desired light distillate and a clean intermediate condensate of a gas oil nature, combining said condensate last-mentioned with said intermediate condensate first-mentioned and passing the mixture once through a second cracking zone wherein the oil is raised to a cracking temperature of at least 970° F. under a superatmospheric pressure of at least 700 pounds per square inch and is subjected to conversion such as to form the production of at least 40% of constituents in the gasoline boiling range, without recycling, introducing cracked products so obtained into a second separating zone wherein separation of vapors from liquid residue takes place, fractionating vapors so obtained to form a final desired light distillate and an intermediate condensate of a gas oil nature, passing gas oil condensate so obtained once through a third cracking zone wherein it is raised to a cracking temperature of at least 970° F., under a superatmospheric pressure of at least 700 pounds per square inch, and is subjected to conversion into products of the gasoline boiling range of at least 40% per pass, without recycling, introducing cracked products so obtained into a third separating zone wherein vapors separate from liquid residue, fractionating said vapors to form a final desired distillate and a reflux condensate and diverting said reflux condensate from the process.

2,043,270
PUMP
Frank E. Twiss, Taunton, Mass., assignor to F. E. Twiss Co., Inc., Boston, Mass., a corporation of Massachusetts
Application December 22, 1934, Serial No. 758,803
21 Claims. (Cl. 103—53)



1. In combination with an electrically actuated fuel pump having a rigid elongate casing with motor means fixedly secured in one end of the casing, pumping means within the other end of the casing, and a conduit arranged to lead fuel from the pump to the carbureter of an internal combustion engine, said casing having a discharge chamber in the end in which the pumping means is located, and means including relatively movable parts within the discharge chamber operative in response to a predetermined fluid pressure automatically to break the motor actuating circuit when the fluid level in the carbureter reaches a predetermined point.

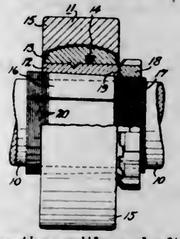
2,043,271
ROOF STRUCTURE AND MATERIAL
John H. Wahl, Sacramento, and Paul H. Doe, Oakland, Calif.
Application April 17, 1934, Serial No. 720,932
6 Claims. (Cl. 108—13)



1. A roof covering composed of a plurality of narrow metal strips running longitudinally of the roof, the adjacent edges of the strips being folded to join and interlock them, a plurality of spaced slats disposed under each strip at right angles thereto to form a waved surface longitudinally of each strip, said slats being longer than the width of the strips to extend beyond and to underlie the folded portion of the adjoining edges of the strips, means securing said slats to the roof, a second series of slats secured to the roof and staggered with relation to the first-named slats, said second named slats having their lower ends overlying the folded portion of the adjacent strips and underlying the adjacent strips.

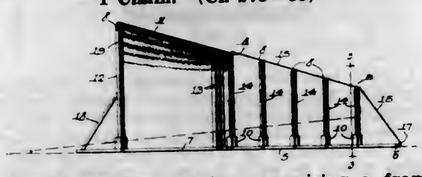
6. Roofing material consisting of a unitary structure and comprising a long narrow strip of thin metal, a reinforcing strip of fibrous material of the same width and length as the metal roofing strip having an adhesive water-proofing coating thereon and secured by the same to and entirely covering one face of said metal strip, and a backing of reinforcing sound deadening material secured to the reinforcing strip and being narrower than the same to leave marginal watertight packing portions of the reinforcing strip uncovered throughout the entire length of the metal strip.

2,043,272
BEARING
August Gunnar Ferdinand Wallgren, Stockholm, Sweden, assignor to Aktiebolaget Nomy, Stockholm, Sweden, a corporation of Sweden
Application October 24, 1932, Serial No. 639,162
In Sweden October 31, 1931
12 Claims. (Cl. 308—71)



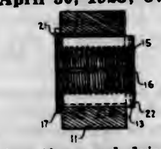
1. The combination with a shaft, of a bearing of the kind in which the bearings members are not always in contact with the relatively moving parts comprising a bearing ring having a conical bore, a clamping sleeve having a conical outer surface arranged around said shaft within said conical bore, means for forcing said sleeve into said conical bore, and a scale comprising markings for measuring the distance said sleeve is forced into said bore, said markings being spaced apart the distance said sleeve should be forced into said bore after the sleeve has been inserted into the bore only far enough to prevent relative turning between said shaft, said sleeve and said bearing ring without the exertion of an appreciable force.

2,043,273
GOLF TARGET
Talmage E. Watson, Arcadia, La.
Application March 26, 1935, Serial No. 13,143
1 Claim. (Cl. 273—35)



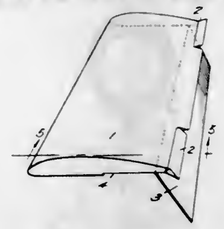
A golf target apparatus comprising a frame embodying a pair of base bars converging towards one end of the frame, a cross bar connecting the outer ends of the frame, blocks rising from the bars and arranged in predetermined spaced relation with respect to each other, metallic straps secured to the blocks, bows of various heights, the ends of the bows being held within the straps supporting the bows in spaced relation and in upright positions, the bows being graduated towards one end of the frame, a flexible covering hanging from each bow, each covering having an opening, the opening of one covering being smaller than the opening of the adjacent forward covering, a tent-like covering connected with one end of the frame and converging towards the frame and adapted to direct a golf ball to the entrance of the frame.

2,043,274
STUD SCREW WRENCH
Fred C. Wegner, United States Navy
Application October 16, 1934, Serial No. 748,500
6 Claims. (Cl. 81—53)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



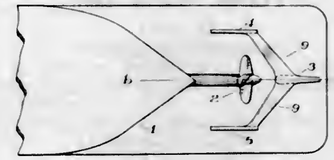
6. A stud extracting and driving tool comprising an internally apertured body member, a longitudinally slotted internally threaded sleeve member adapted to extend through said internally apertured body member, cooperating external eccentric cammed surfaces on said sleeve member and internal eccentric cammed surfaces on said body member, means for locking said sleeve member and body member against relative rotation permitting said members to be rotated as a unit, and means preventing longitudinal separation of said sleeve and said body, said latter means comprising an externally projecting flange at one end of said sleeve and a locking spring at the other end of said sleeve, said flange integrally uniting the cammed threaded portions of said sleeve.

2,043,275
SPLIT FLAP
Fred E. Weick, Langley Field, Va.
Application April 28, 1934, Serial No. 722,943
3 Claims. (Cl. 244—29)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



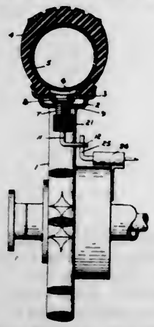
1. An airplane wing having cut-outs in its trailing edge portion for the reception of conventional flap-type trailing-edge ailerons and having a rear portion forwardly of the cut-outs split to provide an upper rigid section and a lower movable flap section, the said movable flap section being rotatable downwardly about an axis at its leading edge and having the flap axis movable to each of several fore-and-aft locations along the basic wing chord, including an aft location in which the flap is deflected downwardly and directly below the ailerons with its leading edges substantially at the front edge of the cut-outs and its trailing edge disposed rearwardly beyond the cut-outs.

2,043,276
STEERING DEVICE FOR BOATS
Charles M. Wellons, Bellevue, Pa.
Application July 27, 1934, Serial No. 737,208
3 Claims. (Cl. 114—162)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



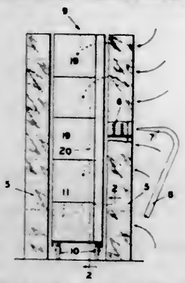
1. In a boat of the screw-propeller type, the combination with a hull formed with underwater surfaces, the latter converging inwardly toward the stern to an intersection on a line lying in a vertical plane and central of the hull, and a propeller disposed to the rear of and having its axis of rotation normal to the plane of said line of the intersection, of a multi-vane rudder located immediately behind the propeller and comprising a middle vane rotatable about an axis longitudinally aligned with and parallel to that of the line of the intersection of the underwater surfaces, and a pair of forwardly and laterally off-set outer vanes disposed in parallel relation whereby rotation of the middle vane about its axis will place the forward edge of one of the outer vanes in juxtaposition with respect to the intersecting line of the underwater surfaces to form a continuation of one of said surfaces and screen the propeller from water flowing along one side of the hull while directing the water flowing along the opposite side to and from the propeller through a restricted channel.

2,043,277
PRESSURE INDICATOR
John H. Woodberry, United States Army, Fort Bliss, Tex.
Application August 16, 1933, Serial No. 685,473
9 Claims. (Cl. 116—34)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



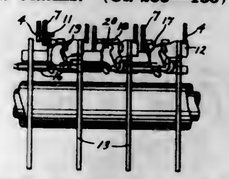
1. A tire pressure indicator embodying a housing, a shaft within the housing adapted to be acted on by the tire, means for holding the shaft in normal position during predetermined pressure ranges within the tire, a torsion spring for rotating the shaft when the pressure within the tire falls without such predetermined pressure ranges, and a member carried by the shaft and positioned, when the shaft is thus rotated, to trip an indicating means.

2,043,278
METHOD FOR CLEANING TELEPHONE SWITCHBOARDS
Frank Ackerman, University City, Mo., assignor to Curtis Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application March 16, 1934, Serial No. 715,803
1 Claim. (Cl. 15—269)



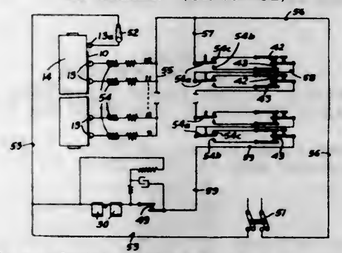
The method of dislodging dust from the contact surfaces of switches of a telephone switch panel of the type in which the spaces adjacent the switches are in communication with the air of the room containing the panel and preventing redeposit of said dust on said switches, which comprises dislodging the dust from the contact surfaces of the switches by manipulating a jet of high velocity air against said contacts and simultaneously acting upon a portion of the air of the room to maintain an unconfined zone of air currents of relatively low velocity embracing the contacts being operated upon and of sufficient area that no dislodged dust particles are projected out of said zone by the high velocity jet and said dust particles are conveyed by the air currents of said low velocity zone, and directing the air of the low velocity currents away from the switch panel.

2,043,279
CALCULATING MACHINE
Lee R. Brown, Whippany, N. J., assignor to Monroe Calculating Machine Company, Orange, N. J., a corporation of Delaware
Application May 16, 1935, Serial No. 21,712
2 Claims. (Cl. 235—138)



1. In a tens carry mechanism for calculating machines, the combination with numeral wheels provided with projections, gears related to said wheels, and a settable cam faced member adapted to be displaced by a projection as the related wheel moves between 9 and 0 registering position; of a drive shaft, and a two-part dog mounted for rotation with said shaft and adapted to be cammed as a unit by the displaced settable member or alternatively to be extended by pressure of the settable member during displacement, to move a tooth portion of the dog into position to contact the gear related to the wheel of next higher order.

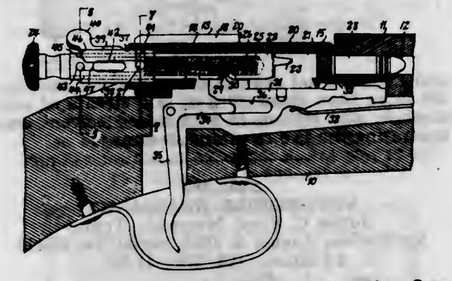
2,043,280
CARD VERIFIER
James W. Bryce, Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 13, 1930, Serial No. 435,455
10 Claims. (Cl. 73—51)



1. In an electric perforated card verifying machine; a card carrier, an escapement mechanism therefor, a magnet to operate the same, a circuit for causing operation of said magnet, a second circuit adapted to be completed through a perforation in a card, means controlled thereby to partially complete said operating circuit and key controlled means for completing said operating circuit.

2. In an electric perforated card verifying machine, a card carrier, an escapement mechanism therefor, means for operating said mechanism to cause the same to shift the card intermittently to successively verify perforations in the card column, analyzing devices adapted to sense the perforations in the card, column by column, settable elements adapted to be independently set under control of the analyzing devices alone in accordance with the perforations in a column of the card, a manually operated set up device, a circuit having a path jointly completed by said elements and said manually operated set up device when said elements and set up device are correspondingly set up.

2,043,281
SAFETY-DEVICE FOR BOLT-ACTION FIREARMS
Frank F. Burton, Mount Carmel, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a corporation of Maryland
Application January 24, 1934, Serial No. 708,068
8 Claims. (Cl. 42—70)



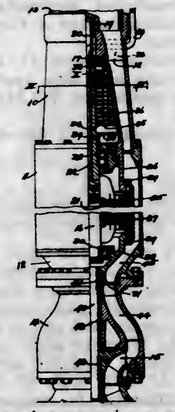
5. In an upturn-and-pullback bolt-action firearm, the combination with a reciprocating and oscillating breech-bolt; of a reciprocating firing-pin unit oscillating with and projecting beyond the rear end of the said breech-bolt and provided with a safety-abutment located to the rear of the rear end of the said breech-bolt, the said firing-pin unit having a manual operating-head at its rear end; and an oscillating safety-sleeve having a portion embracing the said firing-pin unit at a point to the rear of the rear end of the said breech-bolt and interposed between the latter and the said safety-abutment of the said firing-pin unit with which it engages, the said safety-sleeve being manually oscillatable independently of the said breech-bolt and firing-pin unit and normally oscillating therewith when the breech-bolt is oscillated.

2,043,282
HYDROXY-DIPHENYL-ISATIN CONDENSATION DERIVATIVES
Walter G. Christiansen, Glen Ridge, N. J., and Sidney E. Harris, Lynbrook, N. Y., assignors to E. R. Squibb & Sons, Brooklyn, N. Y., a corporation of New York
No Drawing. Application June 11, 1932, Serial No. 616,746
10 Claims. (Cl. 260—48)

6. Condensation products of a phenol selected from the group consisting of ortho hydroxy diphenyl, meta hydroxy diphenyl, para hydroxy diphenyl, hydroxy diphenyls having a halogen nuclearly substituted on the hydroxylated phenyl nuclei and hydroxy diphenyls having an alkyl group of the lower aliphatic series nuclearly substituted on the hydroxylated phenyl nuclei, and isatin.

2,043,283
SUBMERGIBLE MOTOR
David J. Conant, Memphis, Tenn.
Application May 7, 1934, Serial No. 724,377
18 Claims. (Cl. 172—36)

1. In a submergible motor, having a rotary casing closed at the lower end and housing the motor parts, and a stationary shaft, an integral portion of said casing extending upward therefrom and having an annular inwardly turned flange at its upper end, said shaft protruding above said

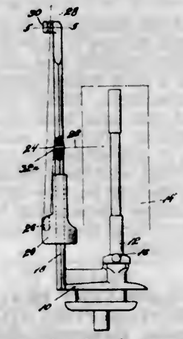


flange, said extension carrying a group of spaced, inwardly extending annular disks, and said shaft an outwardly extending disk disposed above said motor parts and below said annular disks.

2,043,284
PRODUCTION OF CHLORINE DIOXIDE
George Lewis Cunningham and Bernard John Losch, Niagara Falls, N. Y., assignors to The Mathieson Alkali Works, Inc., New York, N. Y., a corporation of Virginia
No Drawing. Application November 8, 1934, Serial No. 752,124
4 Claims. (Cl. 23—152)

1. The production of chlorine dioxide by reaction between chlorine and an aqueous solution of a water soluble chlorite.

2,043,285
BRAIDER CARRIER
John R. Dennis, Providence, R. I., assignor to International Braid Company, a corporation of Massachusetts
Application May 20, 1935, Serial No. 22,417
4 Claims. (Cl. 96—13)



1. A braider carrier having a standard and a tension weight thereon having a thread guide surface covered with a coating presenting a smooth polished surface and of sufficient thickness to be re-fused for re-surfacing the coating after worn.

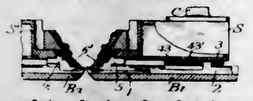
2,043,286

LATCH PROTECTING MEANS FOR THE LATCH NEEDLES IN FLAT PEARL MACHINES

Hans Diem, Neuchatel, Switzerland, assignor to the firm Edouard Dubied & Cie. S. A., Neuchatel, Switzerland

Original application March 17, 1934, Serial No. 716,021. Divided and this application December 17, 1934, Serial No. 757,824. In Germany July 25, 1933

2 Claims. (Cl. 66—63)



1. In a safety device for latch needles in flat pearl machines, the combination with a double needle bed having inner edges for knocking over the meshes thereabout, latch needles slidably arranged in said needle bed and a needle cam box slide adapted to traverse said needle bed, of a resilient latch closer member arranged on said cam box slide at both ends of the needle cam boxes thereof adjacent the respective edge so as to close any latches or maintain depressed the closed latches of those needles which retain their loops without knitting during the formation of a course.

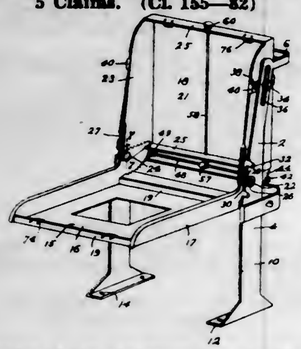
2,043,287

ADJUSTABLE SEAT

John M. Dorton, Bonner Springs, Kans.

Application August 23, 1934, Serial No. 741,114

5 Claims. (Cl. 155—82)



1. A device of the character described comprising a main frame having a pair of upright members with notches spaced one above another, a seat frame and a back frame projecting between said upright members, hinge means operably connecting said seat and back frames including members extending through said frames and adapted to rest in any of said notches and thereby support the seat and back frames at different elevations, and means on the upright members and the back frame cooperating with the hinge members in supporting the seat and back frames at different elevations.

2,043,288

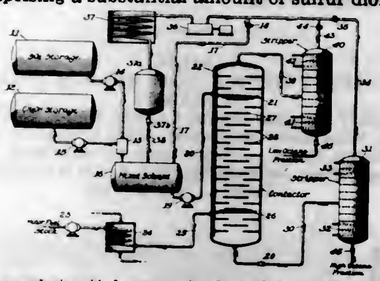
PROCESS FOR SOLVENT FRACTIONATION OF MOTOR FUEL STOCK

Ogden Fitz Simons, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana

Application June 5, 1933, Serial No. 674,302

6 Claims. (Cl. 196—37)

3. In a process for the solvent fractionation of a motor fuel stock to produce a high octane number motor fuel the steps which comprise passing a stream of said stock in contact with an oppositely flowing stream of a mixed selective solvent comprising a substantial amount of sulfur dioxide



and a substantial amount of methanol, dissolving not more than about 40% of said stream of said stock in said stream of said mixed solvent and separating the two resultant streams.

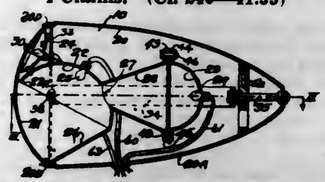
2,043,289

AUTOMOBILE HEADLIGHT

Julius C. Ford, Memphis, Tenn.

Application August 9, 1935, Serial No. 35,440

4 Claims. (Cl. 240—41.35)



4. An automobile head light including an open end casing disposed with its axis in a horizontal position and said open end forward, a lens secured to and completing an enclosure for the forward end of said casing; and a self contained lighting unit disposed within said casing; said unit comprising a diaphragm fitting the forward end of said casing, and having its lower portion apertured, a first reflector disposed behind said diaphragm, facing downwardly and forwardly through said aperture and secured to said diaphragm, a shield secured to the lower portion of said reflector behind said diaphragm and extending forwardly to a junction with said diaphragm around the lower portion of said aperture; said reflector having an opening substantially on the horizontal axis of the casing, a tube secured to said reflector around, and extending rearwardly from said opening, a second reflector secured to the rear end of said tube; means for adjusting the rear end of said lighting unit in a plane transverse to the axis of said casing, and lighting bulbs one in each of said reflectors.

2,043,290

VIBRATOR

William W. Garstang, Indianapolis, Ind.

Application February 25, 1935, Serial No. 8,065

8 Claims. (Cl. 200—90)



1. In a circuit-controlling device, the combination with a base having an extension at one end projecting at substantially right angles thereto, of an electromagnet supported on said extension and having a core extending parallel with the base and provided with a pole face substantially at right angles to the base, of a mounting post extending from said base, an irregularly shaped socket formed in said base and surrounding said post and having at least one wall definitely positioned relatively to said core face, an irregularly shaped bushing surrounding said post and shaped at one end to conform to the seat in said socket, a plurality of contact carrying members mounted on said post and having irregularly shaped openings to receive said bushing and an armature having a portion arranged parallel with and in close proximity to said core face and carried by one of said contact carrying members.

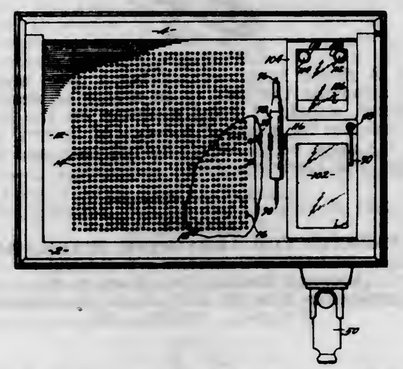
2,043,291

GAME DEVICE

Arthur T. Hamilton, Kansas City, Mo., assignor to Franklin S. Riley, Kansas City, Mo.

Application April 18, 1935, Serial No. 17,007

15 Claims. (Cl. 273—139)



1. A game device of the character described comprising, in combination, a pair of relatively shiftable perforated plates having the perforations thereof in register when the plates are in one position; a punch adapted to extend through selected registering perforations; means for feeding a commodity from the device; and means for actuating said feeding means when the said punch is extended through certain of said registering perforations of the plates.

2,043,292

LIGHT DIVIDING DEVICE

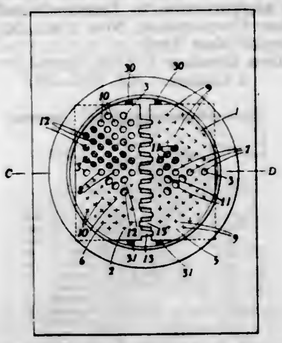
Albert George Hillman, London, England, assignor to Colourgravure Limited, London, England

Application April 7, 1933, Serial No. 664,943

In Great Britain April 12, 1932

18 Claims. (Cl. 88—1)

1. An optical system for taking multiple images by simultaneous exposure from the same aspect of view comprising in combination with an objective a non-refracting optical light-dividing reflector device, a multiplicity of perforations therein which diminish in size through the reflector thickness towards the reflecting plane, said perforations having non-reflecting walls, portions of said walls inclining rearwardly away from the optical axis to facilitate the passage of the light pencils produced by the device of the more inclined rays within the angle of view, and other portions of said walls being arranged to intrude in the path of and partially obstruct the passage of the light pencils of the less inclined rays so



that the light passing through the perforations is substantially uniformly distributed over the area receiving the image formed by such light.

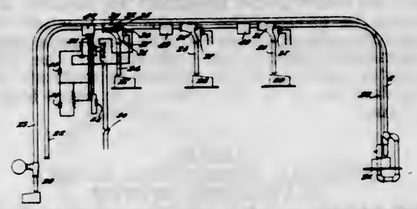
2,043,293

CONVEYER SYSTEM

Chester S. Jennings, Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a corporation of Massachusetts

Application November 3, 1930, Serial No. 492,948

7 Claims. (Cl. 243—16)



1. The combination in a pneumatic despatch conveyer by which carriers are transported of a deflector for changing the direction of travel of a carrier and automatic means for operating said deflector, said means comprising a source of light, a photo-electric cell adapted to be activated by a beam of light from said source, and mechanism actuated by said cells for operating the switch, said automatic means being set into operation upon the passage across the beam of light of a carrier having at least one annular target by which the beam of light is reflected upon the photo-electric cell to actuate the switch operating mechanism.

2,043,294

DENTAL IMPRESSION SUPPORTING TRAY

Louis Kalvin, New York, N. Y.

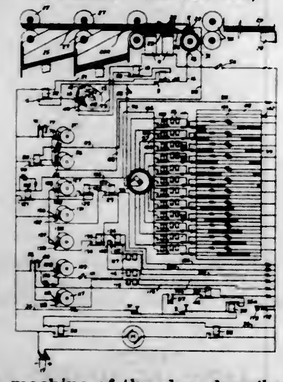
Application August 7, 1933, Serial No. 683,956

6 Claims. (Cl. 32—18)



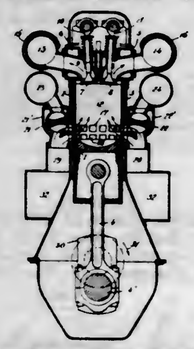
1. A dental impression supporting tray, comprising a composite pressed body of sized cellulosic fabric having a water absorbent inner surface and a water repellent outer surface.

2,043,295
ELECTRIC CARD COUNTER
Clair D. Lake, Binghamton, N. Y., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 7, 1932, Serial No. 636,663
5 Claims. (Cl. 235—92)



1. In a machine of the class described capable of operating on record cards having index points thereon, the combination of means to analyze the record card, counters corresponding to the index points, means controlled by the analyzing means and the index points to initiate an impulse, and means to prolong the impulse to operate the counters, said means comprising a separate timed commutator element for each counter, the commutator elements being adapted to maintain the impulses for all of the counters an equal length of time.

2,043,296
INTERNAL COMBUSTION ENGINE SCAVENGING SYSTEM
Emil Luchsinger, Steinegg, Wiesendangen, Switzerland, assignor to Sulzer Frères Société Anonyme, Winterthur, Switzerland
Application May 16, 1934, Serial No. 725,843
In Germany and Switzerland May 23, 1933
5 Claims. (Cl. 123—65)



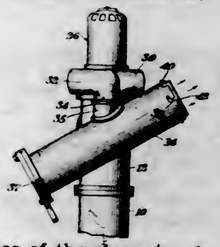
5. A two stroke cycle internal combustion engine in which the exhaust takes place in two phases, said engine having a cylinder and a piston reciprocating therein, piston-controlled exhaust and air admission ports in the cylinder walls near one dead center end of the cylinder, said exhaust port being uncovered by the piston before the uncovering of the air admission ports and permitting the first phase of the exhaust to take place, an exhaust conduit connected with said exhaust port, means for supplying air under pressure to the air admission port, a scavenging discharge valve for the second phase of the exhaust near the opposite dead center end of the cylinder and controlled independently of the piston, and valve means controlled independently of the piston for closing said exhaust conduit at the latest after air commences to flow through the air admission port and for connecting said exhaust port with said air supply whereby air is admitted to the cylinder simultaneously through said exhaust port and said air admission port for completing the second phase of the exhaust and scavenging the cylinder.

2,043,297
FLOWER HOLDER
John H. Luft, Providence, R. I.
Application November 7, 1933, Serial No. 697,014
10 Claims. (Cl. 24—5)



1. A flower holder comprising a base, means for attaching the base to an article of wearing apparel, a pair of arms mounted on the base to embrace the stems of a bunch of flowers, one of the arms being hinged to the base and the other arm rigid therewith.

2,043,298
APPARATUS FOR ARRESTING SPARKS AND PURIFYING EXHAUST GASES
Leonard Markels, New York, N. Y.
Application June 21, 1932, Serial No. 618,442
2 Claims. (Cl. 183—49)



2. In a device of the character described, the combination with a smokestack, of conduit means, a fan associated with said conduit means and adapted to create suction therein, a purifying cylinder provided with asbestos screens and positioned at an angle and provided with a removable spark arresting and purifying medium at the top end thereof and a cover at the lower end thereof, said spark arresting and purifying medium containing nutshell charcoal, and tubular means for connecting said conduit means and said purifying cylinder intermediate the ends thereof.

2,043,299
LINE HOLDER
William J. Martin, Nutley, N. J.
Application August 30, 1934, Serial No. 742,120
8 Claims. (Cl. 24—132)

1. A line holder comprising a baseplate attachable to a support and provided with an outer clamping face, a clamp-lever pivoted between its ends to said baseplate and extending outwardly therefrom and provided at its lower end with a clamping jaw coactive with the clamping face of said baseplate, a pair of inturned hooks spaced apart from each other at the upper end of said lever, and an outwardly and downwardly projecting horn disposed at the lower end of said baseplate and coactive with said inturned hooks to

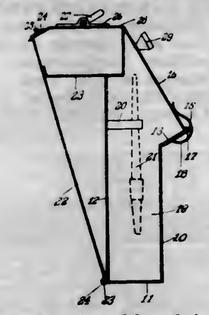


pass the line inwardly over the top of one of said inturned hooks and downwardly between the clamping faces of said baseplate and clamping jaw and around the lower face of said horn and upwardly to engage the outer surface of the clamping jaw and inwardly and outwardly and under and over the top of the opposite inturned hook, to receive by the tension on said line an outward movement of the upper end of said lever to operate said clamping faces and lock the line.

2,043,300
CLEANING PROCESS
Paul McDorman, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
No Drawing. Application January 27, 1932, Serial No. 589,321
10 Claims. (Cl. 148—8)

1. The method of cleaning metal comprising passing the metal through an atmosphere of moist chlorine gas at a temperature below the dissociation temperature of HCl.

2,043,301
BRUSH AND UTILITY PAINT BOX
Heinrich Nolzen, Newark, N. J.
Application August 16, 1935, Serial No. 36,508
5 Claims. (Cl. 206—15.1)



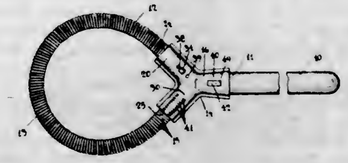
2. A painter's tool and brush box formed with a rear wall, a bottom wall at one end of the latter, and a front wall terminating in an upwardly bent and slanting lip portion, means arranged within the box and adapted to receive brushes therein, an elongated lid connected to one end of the rear wall and below the latter, and means for securing said lid in closed position, whereby to provide a separate enclosure at the rear of the box proper.

2,043,302
DUPLICATING ROLL SPINDLE
Samuel Offer, Chicago, Ill., assignor to U. S. Duplicator Company, Chicago, Ill., a corporation of Illinois
Application October 23, 1933, Serial No. 694,698
6 Claims. (Cl. 242—74)



1. In mechanism of the class described, the combination of a spindle presenting a winding surface of uniform curvature at its ends and from end to end save for the formation of a recess in the medial region, and a band adapted to be wound upon the spindle and having secured to its attaching end a stiff section of reinforcing material configured to fill the recess and afford a uniformly curved winding surface in continuation of the surface afforded by the spindle.

2,043,303
MOP
Clarence J. Ostdiek, Minneapolis, Minn.
Application November 17, 1933, Serial No. 698,411
12 Claims. (Cl. 15—147)

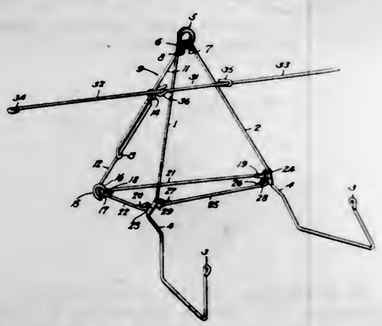


9. In a mop, a handle, a swab holder comprising a coil spring arranged in the form of a loop, a support attached to the handle, said support having an elongated part adapted to receive one end of the coil spring and to guide it for longitudinal movement therealong, a catch movable into and out of engagement with the convolutions of said coil spring, means carried by said support and supporting the catch, said means yieldingly holding the catch into engagement with the coil spring, means for moving the catch out of engagement therewith, and means carried by the support for supporting the other end of the coil spring.

2,043,304
BOOK REST
Rudolf J. Pfister, Oberlin, Ohio
Application January 16, 1935, Serial No. 2,071
14 Claims. (Cl. 45—80)

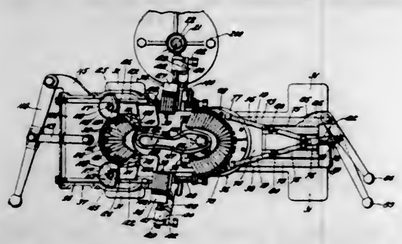
1. A device of the character described having in combination a plurality of frame members pivotally connected adjacent their upper ends and adapted to be spread apart in pyramidal form, brace members adapted to be disposed respectively between pairs of said frame members adjacent the lower portions of each of said frame members to hold the same in spread apart and locked position, said brace members being in the

form of bars pivotally connected with individual frame members at one end and slidably connected with other individual frame members at their



opposite ends, certain of said frame members serving as an inclined support when said device is in spread apart position.

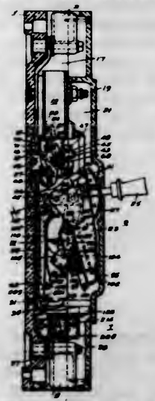
2,043,305
APPARATUS FOR MAKING SHOES
James H. Reed, Marblehead, Mass.; Charles H. Reed administrator of said James H. Reed, deceased
Application January 6, 1934, Serial No. 705,576
4 Claims. (Cl. 12—12)



2. In a bed lasting machine, a vertically yielding last support, a flexible support for the forepart of the last, and pivoted members by which the ends of said flexible support are carried arranged to permit said ends to swing inwardly about the edge of the last and a presser adapted to depress a last on said support to move said members and swing the ends of said flexible support inwardly about the edge of the last.

2,043,306
CIRCUIT INTERRUPTER
Jerome Sandin, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 29, 1932, Serial No. 640,214
30 Claims. (Cl. 200—88)

1. In electrical apparatus, a thermally responsive strip of bimetallic material having a length several times its breadth, and a conducting heater member thermally conductively joined to said thermally responsive strip adjacent one end thereof, the other end of said thermally responsive strip being movable, said heater member having a portion extending longitudinally along a considerable part of said thermally responsive

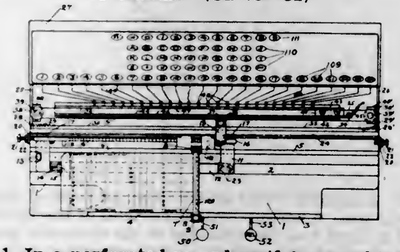


strip, said portion being separated from said thermally responsive strip by a tapered gap.

2,043,307
METAL GLASS SEAL
Howard Scott, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application June 14, 1934, Serial No. 730,678
6 Claims. (Cl. 49—81)

1. The method of making a bubble-free joint between carbon-bearing metals and alloys and an electrical insulating substance which comprises first heating the metal in the presence of hydrogen at a temperature and for a time sufficient to remove substantially all of the carbon from an appreciable depth of the surface, and then joining the said insulating substance to said decarbonized surface by so heating in an oxygen-bearing atmosphere as to produce a surface oxide to which the insulating substance intimately fuses.

2,043,308
PERFORATED CARD VERIFYING DEVICE
Albert Henry Simpson, Washington, D. C., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 23, 1929, Serial No. 365,511
4 Claims. (Cl. 73—51)



1. In a perforated record verifying machine, a row of sensing pins for sensing the index point positions of a record card column, there being one pin for each index point position, means to cause a record card to pass said row of pins column by column, a plurality of numerical signals, one for each pin, a plurality of alphabetic signals, one

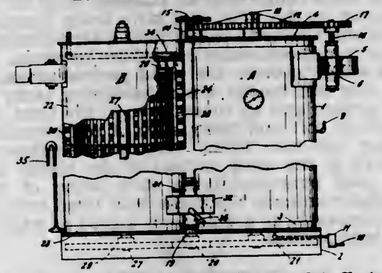
for each letter of the alphabet, means for concurrently moving said pins into engagement with each card column as it is presented, means operative when any single pin enters a perforation for causing operation of the associated numerical signal and means operative upon the concurrent entry of a plurality of pins into a plurality of perforations for suppressing the operation of said numerical signal and causing the operation of one of said plurality of alphabetic signals.

2,043,309
METALLIC PRINTING PROCESS
Melvin Stone, New York, N. Y.
Application December 31, 1934, Serial No. 760,039
18 Claims. (Cl. 41—26)



1. A printing process for reproducing the likeness of metallic objects on paper, comprising printing a silhouette of the object in a uniform metallic lustre, and surprinting thereon a halftone using a lustreless substance, of the same color as the silhouette.

2,043,310
METHOD AND APPARATUS FOR COOKING AND COOLING CANNED GOODS
Albert R. Thompson, San Jose, Calif., assignor to Food Machinery Corporation, San Jose, Calif., a corporation of Delaware
Application October 10, 1932, Serial No. 637,141
27 Claims. (Cl. 126—272)



12. The method of processing foodstuffs in exhausted sealed containers which comprises sterilizing the same by heat treatment applied under pressure above atmospheric, then subjecting the containers to a cooling medium while exposing them to pressure above atmospheric, reducing the external pressure during cooling to reach atmospheric at approximately the time the internal pressures of the containers have been reduced to atmospheric, and then completing the cooling by the application of a cooling medium while exposing the containers to atmospheric pressure.

2,043,311
VENTILATING WINDOW FOR AUTOMOBILES
Harold E. Van Voorhees, Windsor, Ontario, Canada, and Emory Glenn Simpson, Detroit, Mich., assignors to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application June 14, 1933, Serial No. 675,732
6 Claims. (Cl. 296—44)



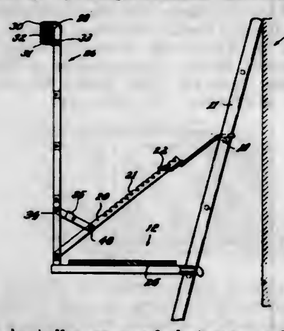
1. In a vehicle body having a window frame, a panel supported to swing in said frame on an up and down axis, a window well below a portion of said frame, and a sliding panel, arranged to be withdrawn into the window well, and raised to close with the next mentioned element the gap in the window opening between the free edge of the swinging panel and the opposite side of the frame, the combination of a division pillar pivoted to swing down out of operative position when the sliding panel is withdrawn into the window well and an automatically locking and releasing latch mechanism including a fitting for securing the window frame and provided with a spring pressed plunger having a plurality of beveled faces and a stop portion spaced from the plunger and a double beveled faced striker secured on the end of the division pillar so that by swinging the division pillar upwardly it may automatically displace the latch plunger and by exerting sufficient pull on the pillar, it may automatically release and when the pillar is raised the striker abuts against the stop and is held in this position by engagement with the spring pressed plunger.

5. In an automobile body, the combination of a window frame affording a window opening and window well, a window comprising a pair of panels, one of which is slidable up and down in the window well and window opening and the other of which is swingable in the remainder of the window opening, a pivotable disappearing division pillar acting as a stop for the swinging panel and a channel to receive the edge of the sliding panel, a latch and striker set including a keeper for holding the upper end of the division pillar to the window frame when the pillar is in its upright position, the said set having some of the members secured to the top of the pillar and some to the window frame, and means for pivoting the lower end of the pillar which means includes two widely spaced pivot bearings spaced considerably more than the width of the pillar so that any looseness or displacement in the bearings will minimize the angular displacement of the pillar and minimize the displacement from accurate registration of the parts of the latch set at the top of the pillar.

2,043,312
GUARD RAIL HOLDER
Cornelius M. Warner, Everett, Mass.
Application April 26, 1935, Serial No. 18,319
5 Claims. (Cl. 304—10)

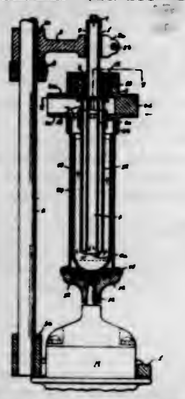
1. A guard rail member for use with ladder jacks comprising an upright member having a collar portion at one end adapted to receive a guard rail member therethrough, said upright member composed of two flat strips bolted to-

gether at intervals and having their extremities free, said free extremities of said upright member having openings located therethrough and



being pivotally secured between adjacent lug members located on the converging extremities of horizontal arms in said ladder jack.

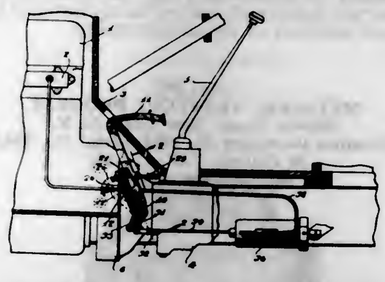
2,043,313
CENTRIFUGING APPARATUS
William F. Wells, Cambridge, Mass.
Application October 22, 1932, Serial No. 639,121
2 Claims. (Cl. 233—12)



1. An apparatus for air analysis embracing a supporting standard, a laterally projecting bracket slidably mounted thereon, a vertical air intake tube secured in said bracket for support, a bearing head carrying an exhaust fan revolubly mounted around said tube, a tubular casing having its upper end seated in said bearing head, a driving element connected with said casing, said air intake tube projecting down inside said tubular casing, an intermediate tube secured in said head and extending downward between said casing and said air intake tube and a removable liquid receptacle inserted between the casing and said intermediate tube.

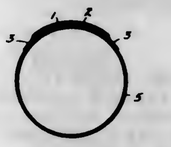
2,043,314
CLUTCH CONTROL
Ernest E. Wemp, Detroit, Mich.
Application May 18, 1931, Serial No. 538,126
6 Claims. (Cl. 192—91)

1. In an automotive vehicle, the combination of a clutch, a clutch control lever, a cylinder, a piston therein reciprocable for clutch release, means including a pipe line for producing a partial vacuum in one end of the cylinder, a valve for closing the pipe line, means connecting the valve to the clutch lever whereby the clutch lever may open the valve and effect clutch release, valve means connecting the cylinder to the atmosphere for breaking the partial vacuum said valve means being under the control of the lever, the cylin-



der having an exhaust port for discharge of air for rapid piston movement in initial clutch engagement, said port being covered by the piston after initial rapid movement thereof, and the cylinder having a bleeder port effective for decelerating piston movement in its final clutch engagement movement.

2,043,315
TREAD STOCK FOR INNER TUBES
Morrison C. Bacon, Garrettsville, Ohio
Application July 9, 1932, Serial No. 621,614
2 Claims. (Cl. 152—13)

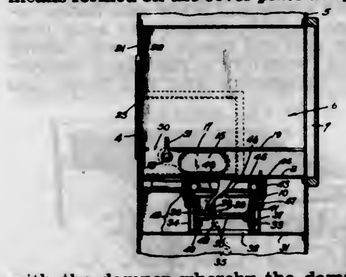


1. Tread stock for application to vulcanized inner tubes comprising an adhesive strip for application to the tube, said strip being composed of an outer layer in the form of a strip of elastic vulcanized sheet rubber of uniform thickness and of a width to cover the tread portion of an inner tube and having a non-hardening tacky inner surface and an inner layer in the form of a relatively soft and tacky strip of self-sustaining rubber puncture filling composition adhesively secured to the inner surface of the elastic rubber, said puncture filling strip being of substantially uniform thickness, said tread strip being removable as a unit from a tube to which it has been applied.

2,043,316
COMBINED RANGE
Wilbur Bennett, Gouldsboro, Pa., assignor to The Early Foundry Company, Dickson City, Pa.
Application March 7, 1934, Serial No. 714,510
5 Claims. (Cl. 126—36)

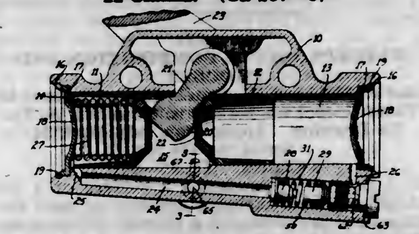
1. An oven for combined coal and gas range comprising the combination of a bottom wall having an open ended burner well mounted therein, a gas burner seated in the upper end of the well and a damper pivotally mounted in the other end of said well, a cover plate for the burner and

means formed on the cover plate adapted to coact



with the damper whereby the damper is closed when the burner is covered.

2,043,317
SHOCK ABSORBER
John M. Christman, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application January 19, 1932, Serial No. 587,539
11 Claims. (Cl. 267—8)



1. In a hydraulic shock absorber, a casing forming fluid containing connecting working chambers, a pair of pistons in the working chambers, said pistons having different displacement relatively, means for moving the pistons to create pressure against the fluid in the chambers, and spring means retracting the piston of larger displacement, the hydraulic pressure developed by the piston having the larger displacement retracting the other of said pistons.

2,043,318
FERTILIZER DEPOSITING APPARATUS
Kurt H. Conley, Bridgeport, Conn.
Application April 29, 1933, Serial No. 668,557
12 Claims. (Cl. 221—119)



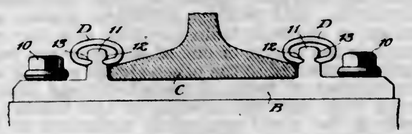
1. In a fertilizing apparatus, a hopper, a valve chamber for controlling discharge of material therefrom, a control valve in said chamber, a discharge tube extending from said chamber and adapted for insertion in the ground and means for automatically discharging a predetermined quantity of material from said chamber upon insertion of said tube in the ground, said means including a valve actuator partially encircling said tube and engageable with the ground upon insertion thereof.

2,043,319
BOTTLE SEAL OR CAP
Morton William Coutts, Otahuhu, and John Samuel Gibbons, Onehunga, New Zealand
Application October 27, 1934, Serial No. 750,356
In New Zealand November 27, 1933
1 Claim. (Cl. 215—46)



A bottle cap comprising a top part and an angularly disposed contractible skirt part, sealing means arranged in said cap, said top part being slit to form a tongue-like member, said slit having widely spaced portions extending to and terminating at the angle defined between the top and skirt parts, said skirt part being imperforate to preserve the sealing strength thereof, and reinforcing means extending substantially throughout the length of said tongue and beyond an imaginary line drawn across the ends of said slit whereby said tongue, when lifted, acts as a lever for applying a bursting strain down said skirt part.

2,043,320
TIE PLATE AND CLIP COMBINATION
James G. Delfox, Flushing, N. Y., assignor to The Rail Joint Company, New York, N. Y., a corporation of New York
Application April 3, 1935, Serial No. 14,520
9 Claims. (Cl. 238—287)



1. In combination, a tie plate, a rail seated on the tie plate, an upstanding rib on the plate, clip anchoring means on the sides of the rib, and a contractile spring clip extending in part over the rail flange and having means at its ends engaging said clip anchoring means on the sides of the rib and maintained in engagement therewith by resilient contractive action of the clip.

2,043,321
SNAP TAPE
Nathan I. Fleischer, Cincinnati, Ohio, assignor to The Fleischer Mills, Inc., Cincinnati, Ohio, a corporation of Ohio
Application January 10, 1933, Serial No. 650,970
2 Claims. (Cl. 2—265)

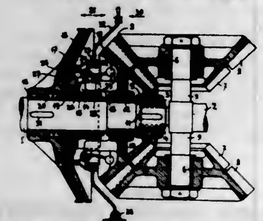
1. As an article of manufacture, a strip of material provided with a series of pairs of folds, one

member of each pair being oppositely disposed to the other member, said pairs being disposed at regular intervals, and a separate fastener ele-



ment secured to each of said folds through both thicknesses thereof.

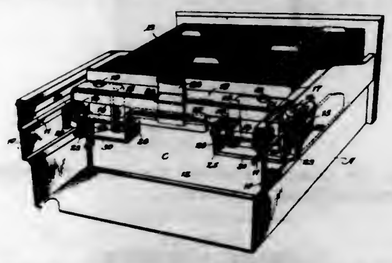
2,043,322
AUTOMATICAL GRADUAL CLUTCH
Aldo Galante, Genoa, Italy
Application June 12, 1934, Serial No. 730,345
In Italy July 8, 1933
5 Claims. (Cl. 74—260)



1. A friction clutch and means for coupling and uncoupling said clutch, comprising two epicycloidal gearings, one operatively connected to the driven shaft and the other operatively connected to a clutch member and having a centrifugally-operated means in said last-named connection, said gearings including pinions and wheels, a common train-carrying arm for said gearings the pinion of one of said gearings being rigidly connected to the other of said gearing and the number of teeth of the wheels and pinions being such that the product of the number of teeth in the wheel operatively connected to the dirven shaft by the number of teeth in the pinion driving the wheel operatively connected to a clutch member is less than the product of the numbers of the teeth in the remaining pinion and wheel.

2,043,323
FOLLOWER FOR FILING DRAWERS
Glenn Theodore Gourley and Frank Joseph Malat, Youngstown, Ohio, assignors to The General Fireproofing Company, Youngstown, Ohio, a corporation of Ohio
Application September 14, 1934, Serial No. 744,063
8 Claims. (Cl. 129—30)

5. In combination with a drawer having a longitudinally extending horizontally disposed flange at least at one side thereof, a follower plate mounted within the drawer for forward and rearward movement therealong, and flange gripping means carried by said plate, said means comprising a pair of cooperating flange gripping elements disposed above and below said flange, respectively, and movable toward and away from said flange to grip and release the same, spring means tending constantly to move said elements into gripping engagement with said flange, and

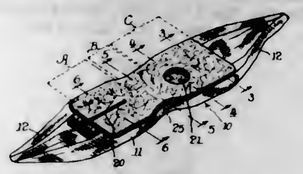


means carried by the plate and directly engaged with at least one of said elements for moving the same away from said flange to effect release of the plate from said flange.

2,043,324
WATERPROOFING COMPOSITION AND PROCESS
John R. Hubbard, Gowanda, N. Y., assignor to Peter Cooper Corporations, Gowanda, N. Y.
No Drawing. Application July 10, 1934, Serial No. 734,528
5 Claims. (Cl. 91—68)

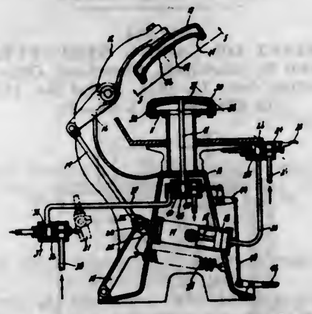
5. A process of rendering a surface of a web water-fast which includes applying to said surface a coating containing a protein adhesive material, reacting upon the protein material in said coating with a solution of an aluminum salt of an inorganic acid rendered less acid by the addition thereto of an alkali substance and containing an accelerator selected from a group including borax, sodium, ammonium or potassium acetates, oxalates and tartrates and sulfonated phenols.

2,043,325
SANITARY PAD
George H. Jackson, Jr., Evanston, Ill.
Application October 27, 1934, Serial No. 750,314
4 Claims. (Cl. 128—284)
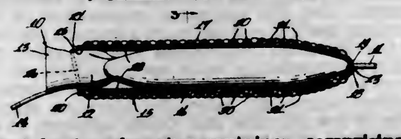


4. A diaper comprising an elongated relatively flat pad member formed of soft absorbent material with one relatively broad face adapted to constitute the upper face when applied to an infant, said pad member having a pocket recess in said upper face adjacent to one end thereof but spaced from said end and the lateral edges of the pad and bordered about its open upper end by the broad absorbent upper face of the pad member, said pocket recess extending downwardly into said pad and terminating short of the under broad face of the pad, and said pocket recess being defined on its sides by the soft absorbent material which forms the pad member.

2,043,326
PRESSING MACHINE FOR SHIRTS AND THE LIKE
George W. Johnson, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application November 24, 1934, Serial No. 754,626
20 Claims. (Cl. 68—9)



1. In a pressing machine, a pair of cooperating pressing members, one of which is provided with a surface expansible toward the other member, a portion of the pressing surface of one of said members projecting beyond other portions thereof, means for positioning said members with the projecting portion of one contacting the pressing surface of the other, and means for expanding said expansible surface.

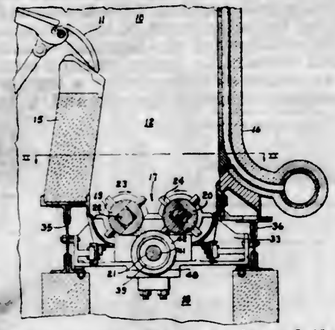
2,043,327
HEAT EXCHANGING CONTAINER
Thomas W. Miller, Ashland, Ohio, assignor to The Faultless Rubber Company, Ashland, Ohio, a corporation of Ohio
Application July 9, 1934, Serial No. 734,433
9 Claims. (Cl. 150—52)



1. A heat-exchanging container, comprising a container portion, and including a heat-transfer-retarding portion overlying at least a part of said container portion and comprising rubber sponge having different cellular densities at different portions thereof, to provide for greater resistance to transfer of heat through one of said portions than through another of said portions.

2,043,328
CLINKER GRINDER
Donald J. Mansbart, Springfield, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 16, 1933, Serial No. 685,435
7 Claims. (Cl. 83—12)

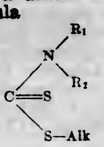
1. In a clinker grinder for combustion apparatus, cooperating members providing for a first stage of crushing of material passing therebetween and including a toothed roll and a roll having circumferential grooves for the teeth of the first stage crusher roll and cooperating with the latter to provide a second stage of crushing for material issuing from the first stage, said second stage crusher roll being spaced closer to the first stage roll than the spacing of the latter



with respect to the other member of the first stage.

2,043,329
WETTING AGENTS FOR MERCERIZING SOLUTIONS
Ferdinand Münz and Otto Bayer, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 8, 1933, Serial No. 674,922. In Germany June 14, 1932
6 Claims. (Cl. 8—20)

3. Alkaline mercerizing solutions containing as a wetting agent a dithiocarbonic acid amide of the general formula



wherein Alk means an alkali metal and R_1 represents an alkyl-group containing at least 3 carbon atoms, R_2 any alkyl-group or any alkylamino alkyl group.

2,043,330
HAT
Frances Nelkin, New York, N. Y.
Application December 16, 1935, Serial No. 54,768
2 Claims. (Cl. 2—179)

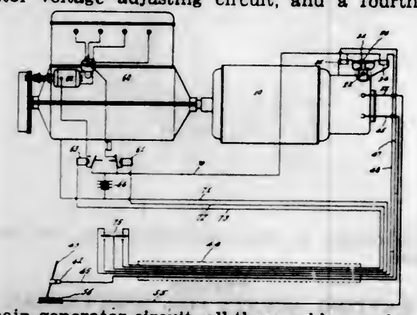


2. A hat including a crown, a brim, a removable decorative band and a series of band retaining loops formed of material similar to that of the band, said loops being formed independently of the hat and having snap fastening means for engagement with the crown and snap fastening means at the extremities of the band for securing the ends thereof together.

2,043,331
CONTROL FOR WELDING APPARATUS
Robert Notvest, Indianapolis, Ind., assignor to J. D. Adams Manufacturing Company, Indianapolis, Ind., a corporation of Indiana
Application November 26, 1934, Serial No. 754,740
3 Claims. (Cl. 290—35)

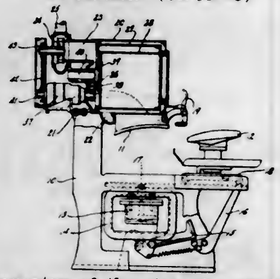
1. In a machine for generating and controlling electric current comprising an engine, an elec-

trical generator driven thereby, means to control the starting and stopping of the engine and means to control the adjustment of the generator voltage: the combination of a plurality of cables, one of which contains an engine starting circuit, another an engine stopping circuit, a third a generator voltage adjusting circuit, and a fourth a



main generator circuit, all these cables combined in a single cable within a common insulation sleeve, a holder on the end of said single cable sleeve for supporting a main generator circuit connecting means, a main circuit generator connecting means, and switch means within said holder for selectively engaging and closing the remaining circuits.

2,043,332
COMBINATION PRESSING MACHINE AND DRYING MEANS
John S. Patterson, Madeira, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application May 4, 1934, Serial No. 723,929
14 Claims. (Cl. 68—9)



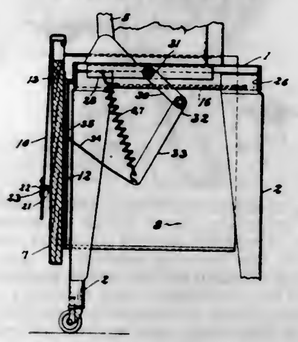
12. Apparatus of the class described comprising a frame, a heated ironing member thereon, a casing having a drying chamber also mounted on said frame, and a conduit communicating with said chamber and having an inlet adjacent said heated ironing member.

2,043,333
INLAID YARN AND METHOD OF MAKING SAME
James H. Purdy, Willow Grove, Pa.
Application January 14, 1936, Serial No. 59,000
5 Claims. (Cl. 118—69)



1. The method of making inlaid yarn comprising cutting a thread into short lengths, blowing upon and guiding the short lengths as they are cut to desposit said short lengths at intervals on a moving unfinished open sliver and then completing the drawing and spinning operations upon the sliver with the said short lengths thereon to sandwich short lengths among the fibres of the sliver and to form a finished yarn.

2,043,334
CABINET OR CASING STRUCTURE
John W. Racklyeft, Cleveland, Ohio
Application July 13, 1934, Serial No. 735,039
18 Claims. (Cl. 68—9)

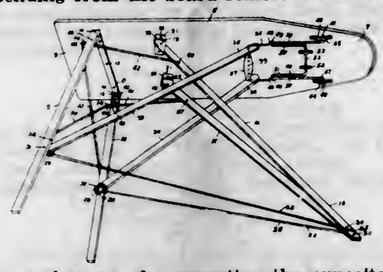


1. In a machine having an operating mechanism carried by a supporting structure, a displaceable cover for the mechanism comprising a cover top and end walls mounted for movement relative to the supporting structure of the machine, and means cooperating with the cover and the supporting structure for carrying the cover in either one of two positions, one corresponding to a closed position for the cover in which the cover top is located in a horizontal position over the operating mechanism of the machine and the end walls are alongside the ends of the operating mechanism and the other position corresponding to an open position for the cover in which the cover top occupies a vertical position rearwardly below the operating mechanism of the machine and closely adjacent to the supporting structure and the end walls thereof project forwardly in front of the cover top in a position substantially directly below their former position.

2,043,335
COLLAPSIBLE IRONING TABLE
Chester A. Rich and Jesse W. Richardson, Cincinnati, Ohio, assignors, by direct and mesne assignments, to The Rich Pump & Ladder Company, Cincinnati, Ohio, a corporation of Ohio
Application December 4, 1933, Serial No. 700,802
7 Claims. (Cl. 68—10)

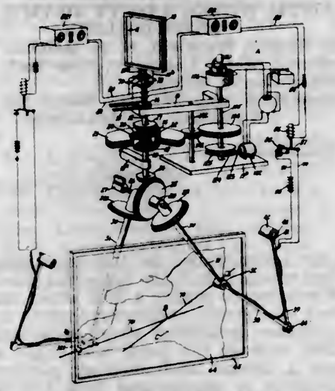
4. A folding table structure comprising in combination a top board, rear legs pivoted to said board for movement toward and from the board to and from an extended operative position and a collapsed inoperative position, a cross brace having opposite ends, the lower end being pivcted upon one of the rear legs at a point remote from the board, a link guide mounted upon the other leg adjacent to the pivotal mounting of the leg upon the board, a link slidably supported by the guide, with opposite ends of the link disposed at opposite sides of the guide, a pivotal mounting between one end of the link and the upper

end of the cross brace, a pivot supporting means depending from the board remote from the rear



legs, and means for mounting the opposite end of the link upon the pivot supporting means.

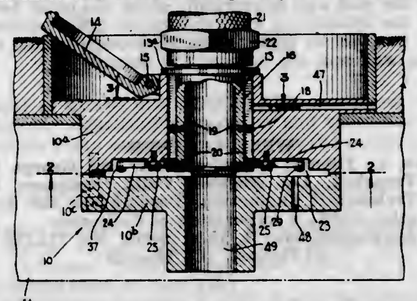
2,043,336
DEVICE FOR LOCATING THE POSITION OF A MOVABLE BODY
Hjalmar E. Sjöstrand, Ravala, Grangesberg, Sweden
Application December 10, 1932, Serial No. 646,729
12 Claims. (Cl. 250—11)



1. In a navigating apparatus for a movable body, a rotatable antenna loop tuned to receive electromagnetic waves transmitted from a plurality of spaced stations, a chart mounted upon said body, a plurality of intersecting linear indicators movable over said chart, a plurality of rotatable members, means for rotating said loop and said members substantially in synchronism, means responsive to a turning movement of said body for producing the same relative angular movement between said loop and said rotatable members, and means comprising said loop and said members for maintaining said indicators in directions with respect to said chart corresponding to the directions of said body from the respective stations.

2,043,337
COMBINED CLOSURE, FILLING VALVE, AND NOZZLE FOR FUEL TANKS AND OTHER CONTAINERS
Victor C. Smith, Norwalk, Conn.
Application April 27, 1932, Serial No. 607,718
Renewed February 3, 1934
10 Claims. (Cl. 284—18)

8. A fill box of the like including a body portion having a fluid conduit, a valve movably supported upon said body at a point remote from the inlet end thereof and adapted to be moved to open or close said fluid conduit, a portion of said conduit between said valve and the inlet end thereof being adapted to receive a



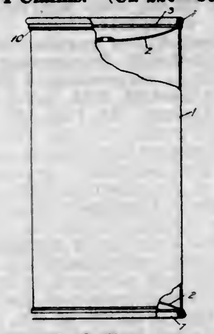
filling nozzle, and valve operating means mounted upon the said body to one side of said conduit so as to be normally inaccessible through said conduit save to a member projecting laterally from a filling nozzle inserted therein.

2,043,338
DENTAL PLATE CLEANING BRUSH
Oscar E. Sommerfeld, Oak Park, Ill.
Application July 27, 1934, Serial No. 737,243
1 Claim. (Cl. 15—160)



A brush having a flattened body elliptical in plan aspect, sets of bristles mounted in the periphery of said body in elliptical formation, certain of said sets of bristles extending outwardly in the longitudinal plane of said body and certain of said sets of bristles extending angularly outwardly of said periphery above and below said body, said periphery being convex in vertical cross section, a perforated hub portion formed centrally of said body, and radial ribs formed intermediate the hub and outer periphery of said body, said ribs being tapered inwardly towards said hub, and smaller in vertical cross section than said body at their outer ends.

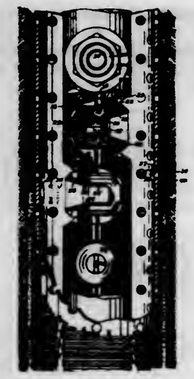
2,043,339
FLUID CONTAINER
Harrison K. Strickler, Erie, Pa.
Application October 17, 1929, Serial No. 400,392
4 Claims. (Cl. 220—66)



4. A container including a surrounding cylindrical wall and a flanged flexible end closure plate,

said plate being concave when viewed on its outer face and capable of expansion to substantially dome shape, due to abnormal pressure within the container and the flange extending over the edge of the wall and downwardly along the outer face of the cylindrical wall, the flange being secured to the wall by material in the corner formed by the wall and the edge of the flange.

2,043,340
WELL CLEANER
Lyle C. Tilbury, Houston, Tex., and George F. Turechek, Los Angeles, Calif., assignors to Technicraft Engineering Corporation, Los Angeles, Calif., a corporation of California
Application May 1, 1934, Serial No. 723,292
21 Claims. (Cl. 166—20)



1. In a well cleaning apparatus adapted to clean by fluid pressure a localized section of a well bore: a gun body adapted to be lowered into a well, means for supporting said gun body, an explosive chamber in said gun body, sealing means to prevent the entrance of fluid into the explosive chamber, and means in the explosive chamber for igniting the explosive and means utilizing the force of said explosive to direct fluid under pressure against a localized section of said well bore.

2,043,341
CABLE HEAD AND METHOD OF CONSTRUCTION
George F. Turechek, Los Angeles, Calif., assignor to The Technicraft Engineering Corp., Los Angeles, Calif., a corporation of California
Application August 20, 1934, Serial No. 740,670
4 Claims. (Cl. 173—353)

1. A head for conductor core wire ropes, comprising; an elongated wire rope receiving sleeve; an elongated shell adapted to be screw threaded upon an end of the sleeve to form an enlarged continuation thereof; an anchoring plug arranged to receive the strands of the wire rope and including a central bore loosely receiving said core; an insulating and sealing partition; a terminal means sealed therein arranged to be electrically connected with the extremity of the core; means for securing said partition at the extremity of said shell, said shell forming between the partition and anchoring plug a chamber adapted to permit looping of said core therein; and an insulating and sealing compound completely filling said chamber.

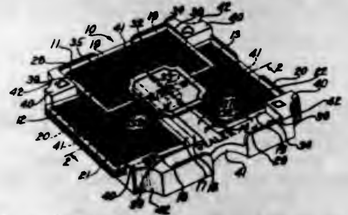


2,043,342
FIFTH WHEEL SAFETY DEVICE FOR SEMITRAILERS
John Walker, Westfield, N. J., assignor to International Motor Company, New York, N. Y., a corporation of Delaware
Application May 27, 1935, Serial No. 23,596
5 Claims. (Cl. 280—33.1)



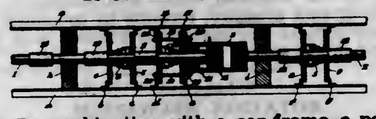
5. In a semitrailer having an auxiliary supporting wheel with brake actuating means and a latch member to engage a fifth wheel connection, a block and means connected thereto to actuate the auxiliary supporting wheel, a lost motion connection between the block and brake actuating means, a second latch member pivoted on the semi-trailer to engage and hold the block and supporting wheel in supporting position, means mounted on the semitrailer to actuate the first latch member, and means operated by the block to actuate the last named means.

2,043,343
CARD GAME APPARATUS
Stanley F. Warner, Cicero, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 29, 1933, Serial No. 691,475
19 Claims. (Cl. 273—151)



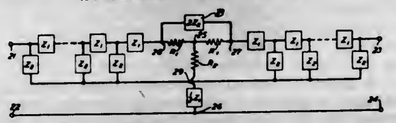
1. A holder for a plurality of groups of cards having a set of card compartments at one common level, and a set of card compartments at another common level, the compartments at one level being arranged to overlap and communicate with the compartments at the other level whereby groups of cards arranged in the holder coact with the holder to retain each other in place.

2,043,344
CONTINUOUS DRAFT GEAR
Carl Egon Alma, Vienna, and Maximilian Alma, deceased, late of Vienna, Austria, by Lydia Alma, administratrix, Vienna, Austria
Application June 17, 1931, Serial No. 545,008
In Germany January 5, 1931
15 Claims. (Cl. 213—8)



2. In combination with a car frame, a pair of slidable alined draw bar sections extending substantially the full length of the car frame, a connector joining the inner ends of said sections and permitting limited relative movement thereof into rigid relation, a pair of followers slidably mounted on one of said draw bar sections, shoulders on said draw bar section, a spring interposed between said followers and tending to hold the same in contact with said shoulders, one of said followers being normally in contact with one end of said connector, means for transmitting pull between said connector and the other follower and abutments on said car frame for engagement by said followers.

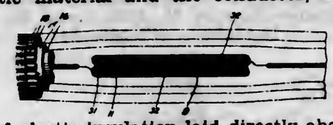
2,043,345
WAVE TRANSMISSION NETWORK
Stephen Bobis, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 6, 1934, Serial No. 714,346
20 Claims. (Cl. 178—44)



20. A wave transmission network comprising a pair of input terminals and a pair of output terminals, said network comprising an electrical path between each input terminal and the corresponding output terminal, a pair of equal resistances connected in series in one of said paths, a shunt branch connected between the common terminal of said series resistances and a point in the other of said paths, a plurality of series impedances connected in series with said resistances, one-half on either side thereof, a plurality of shunt impedances alternately disposed with respect to said series impedances, and a bridging branch of the same type as said plurality of shunt impedances connected between an input terminal and a respectively associated output terminal.

2,043,346
SUBMARINE CABLE LOADING COIL
Oliver E. Buckley, Maplewood, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application July 25, 1930, Serial No. 470,647
3 Claims. (Cl. 178—46)

1. A submarine cable coil comprising an elongated body of subdivided magnetic material, a conductor interlinked therewith, pressure equalizing material surrounding and permeating the magnetic material and the conductor, a main layer of plastic insulation laid directly about the pressure equalizating material, and a bedding of textile fibers and armor laid upon the insulation.

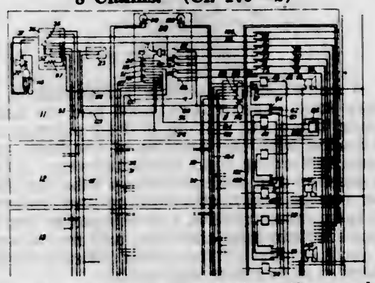


2,043,347
DIRECTIONAL RADIO TRANSMISSION SYSTEM
André Gabriel Clavier and René Henri Darbord, Paris, France, assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application January 2, 1932, Serial No. 584,364
In France January 21, 1931
5 Claims. (Cl. 250—11)



5. In combination, a transmitting station and a receiving station arranged for duplex operation, said transmitting station and said receiving station each comprising a couplet, a paraboloidal mirror, and a spherical mirror, said mirrors having a common axis and a common focus, said couplet being located at said focus, said receiving station being positioned in the shadow of the transmitting paraboloidal mirror whereby radiation from the transmitting station does not affect the operation of the receiving station.

2,043,348
COMMUNICATION SYSTEM
Herbert C. Curl, Bayside, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 30, 1932, Serial No. 602,091
8 Claims. (Cl. 179—2)



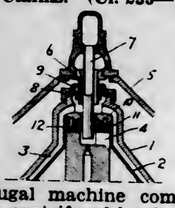
1. In a communication system the combination with at least two normally independently operative component parts each comprising a plurality of speech transmitting stations, an amplifier common to the stations, a receiver and means controllable from each of the stations for connecting the receiver to the amplifier, of selecting means at one of the transmitting stations in a first part of the system operable while the receiver of a second part of the system is connected to its amplifier for connecting said receiver to the amplifier of the first part of said system.

2,043,349
WINDSHIELD OPERATING MECHANISM
August L. De Cary, Detroit, Mich.
Application January 21, 1935, Serial No. 2,680
14 Claims. (Cl. 296—84)



1. In a structure including a stationary portion and a relatively movable portion, apparatus for adjustably regulating said movable portion including actuating mechanism, a toggle member interconnecting said actuating mechanism and said movable portion, including a pair of crossed toggle arms and a toggle link pivotally connecting an end of each arm to said movable portion respectively, and an articulated mounting bodily movably supporting said mechanism and said toggle members on said stationary structure, said mounting being so constructed and arranged as to move said mechanism and said toggle member in unison for maintaining substantially the same angular relation between said mechanism and said toggle member and between the latter and said movable portion throughout the entire range of movement of the latter.

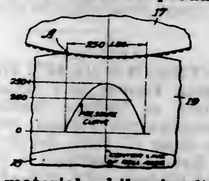
2,043,350
CENTRIFUGAL MACHINE
Erik August Forsberg, Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application January 18, 1933, Serial No. 652,291
In Sweden February 8, 1932
5 Claims. (Cl. 233—1)



1. A centrifugal machine comprising a stationary tube, a centrifugal bowl and an element rotating therewith having a fluid passage communicating with the interior of the bowl and a chamber affording fluid communication between said passage and said stationary tube, an elastic collar having a part surrounding and contacting with the stationary tube and exposed to the fluid pressure within said chamber, and means securing another part of the collar to said rotating element so as to rotate therewith.

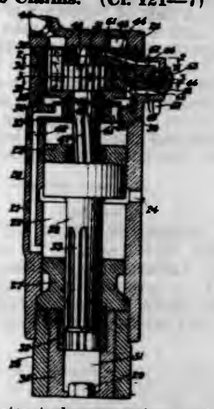
2,043,351
METHOD OF MAKING A TISSUE PAPER PRODUCT
Charles A. Fourness, Appleton, and James T. Whelan, Menasha, Wis., assignors to International Cellucotton Products Company, Chicago, Ill., a corporation of Delaware
Application June 1, 1935, Serial No. 24,530
3 Claims. (Cl. 154—33)

1. The method of making a tissue paper sheet suitable for facial and like uses, which consists in conducting a creped tissue paper sheet through a pressure zone of substantial length whereby the concentration of pressure at any point of the pressure zone is insufficient to produce any hard-



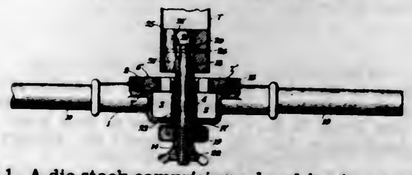
ening of the material while simultaneously, by means of said pressure, forming in the sheet an all-over pattern not materially coarser than the creping in the sheet.

2,043,352
ROTATION MECHANISM
George W. Hulshizer, Stewartsville, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application January 16, 1936, Serial No. 59,363
5 Claims. (Cl. 121—7)



1. A fluid actuated percussive tool comprising a casing, a piston reciprocable therein, rotation mechanism for the piston comprising a rotatable member interlockingly engaging the piston, a stationary member, teeth on one of the members, pawls in the other member, fluid actuated plungers for actuating the pawls into and out of engagement with the teeth, and means for controlling the flow of pressure fluid to and from the plungers.

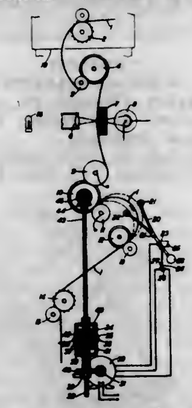
2,043,353
TUBE THREADING DEVICE
Earl R. Koonz and Oscar E. Koehler, Greenfield, Mass., assignors to Greenfield Tap and Die Corporation, Greenfield, Mass., a corporation of Massachusetts
Application March 13, 1935, Serial No. 10,763
3 Claims. (Cl. 10—123)



1. A die stock comprising a head having a central bore, a spindle member freely rotatable and

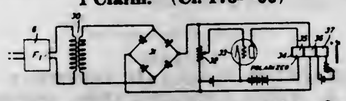
slidable in said bore, a transversely expanding clamping bushing carried by said spindle member adapted to internally clamp the extreme end of a tube when positioned in said head, a die recess in said head surrounding said spindle member adapted to hold a die substantially concentric therewith to thread the internally clamped end of said tube, and means forming a tube well in said head to receive the said end of the tube after it has passed through said die.

2,043,354
FILM FEEDING MECHANISM
Rudolph F. Mallina, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 31, 1934, Serial No. 728,395
8 Claims. (Cl. 271—2.3)



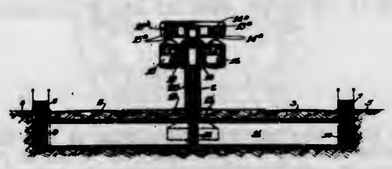
1. Film feeding mechanism for sound picture apparatus including friction devices and devices which grip perforations in the film, means for forming loose arcuate loops in said film between said gripping and feeding devices for absorbing film flutter, a film speed regulator in one of said loose loops, operable by pressure from the film and requiring less pressure for operation than would distort the film loop sufficiently to cause a departure of the flutter absorbing qualities of the film in said loop, and means operable by the movement of said regulator for altering the speed of said film.

2,043,355
CARRIER TELEGRAPH RECEIVER
Lawrence E. Melhuish, Glen Ridge, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 29, 1934, Serial No. 759,667
1 Claim. (Cl. 178—66)



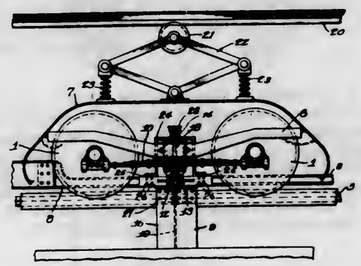
In a receiving circuit for a system having a transmission equivalent subject to change, a rectifier for the received signal waves, a relay, the output current from said rectifier including a winding on said relay for actuating the relay, a vacuum tube having in its output circuit a winding on said relay for opposing the effect of said first winding, the input of said vacuum tube being connected to the output circuit of said rectifier, the circuit elements being proportioned such that the effect on the relay operation of the second mentioned winding is always weaker than that of the first winding whereby a differential effect on the relay is produced which is substantially constant over a range of variation of received signal strengths.

2,043,356
TRAMWAY STATION CONSTRUCTION
Joseph B. Strauss, Chicago, Ill.
Application August 6, 1931, Serial No. 555,641
2 Claims. (Cl. 104—94)



1. A tramway station construction for tram cars comprising an arch portion, supports for the arch portion comprising parts arranged at intervals, cross members connected with said arched portion which form a support for the tram cars, the tram cars being connected with said cross members on opposite sides of said arched portion, a platform connected with and suspended beneath said arch portion between said cars, one of said parts having a passageway extending therethrough for the passengers, and a passenger connection between the passageway and said platform.

2,043,357
TRUCK FOR AIR TRAMWAYS
Joseph B. Strauss, Chicago, Ill.
Application August 12, 1931, Serial No. 556,484
9 Claims. (Cl. 104—94)

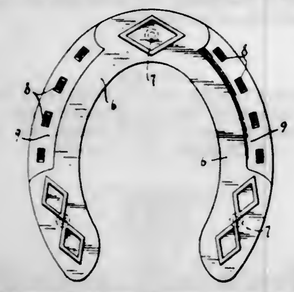


1. A truck device for air tram-ways comprising two separated truck frames, wheels connected with said truck frames, a needle beam connecting the two truck frames, cars connected with said needle beam at the front and the rear.

2,043,358
HORSESHOE
Carl Swanstrom, Duluth, Minn.
Application April 29, 1935, Serial No. 18,844
1 Claim. (Cl. 168—13)

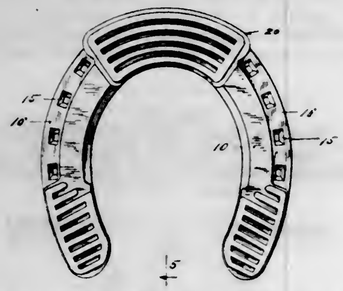
A horseshoe, the body of which comprises a horseshoe shaped metal reinforcing plate for direct contact with the sole of a hoof, said plate being flat and of substantially a constant width, depending fixed lugs on the reinforcing plate and having on their lower ends relatively large heads,

and a rubber tread cemented to the interstices of the reinforcing plate and lugs by vulcanization, the heads on the lugs being materially above the lower face of the tread, each wing of the reinforc-



ing plate and the respective wing of the tread having a series of nail holes, said tread at each series of nail holes being recessed to reduce the thickness of the tread through which the nail holes extend.

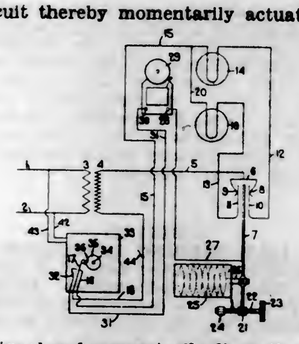
2,043,359
HORSESHOE
Otto Swanstrom, Duluth, Minn.
Application May 13, 1935, Serial No. 21,145
6 Claims. (Cl. 168—13)



1. A horseshoe, the body of which is formed from resilient material, a horseshoe shaped metal reinforcing plate embedded in the body, and striking lugs on at least one of the edges of the reinforcing plate at the heel portions thereof and extending outwardly through the body, the ends of the striking lugs being substantially flush with the respective surfaces of the body.

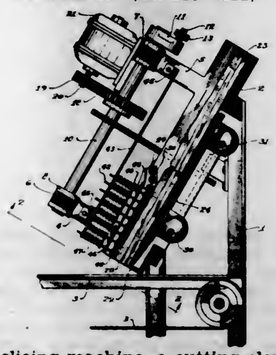
2,043,360
AUTOMATIC ELECTRIC SIGNALING MECHANISM
Robert E. Townsend, Jr., Boston, Mass.
Application May 20, 1933, Serial No. 672,010
4 Claims. (Cl. 177—311)

1. Automatically operable signaling mechanism comprising a main circuit having visible signaling means, a thermostatically operable switch in said main circuit maintained normally in open position during a predetermined narrow range of temperature from a predetermined standard and maintained in closed position when the temperature increases above said range, thereby causing continued actuation of the energized visible signal, an auxiliary electric circuit having said thermostatic switch therein provided with audible signaling mechanism, and means for momentarily breaking said main circuit and closing said auxiliary circuit thereby momentarily actuating the



audible signal and momentarily discontinuing the visible signal.

2,043,361
SLICING MACHINE
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application July 21, 1932, Serial No. 623,737
20 Claims. (Cl. 146—111)



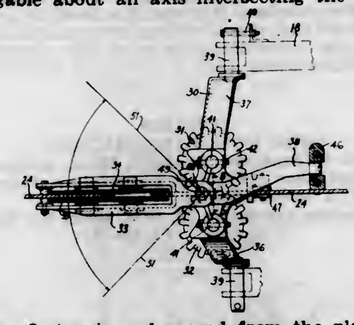
1. In a slicing machine, a cutting element and means for feeding material to the cutting element including a plurality of transversely arranged pressing rollers, a plurality of groups of longitudinally extending feeding elements successively movable upwardly and forwardly toward the pressing rollers into contact with the material and downwardly and backwardly out of contact with the material, each of said groups of feeding elements contacting with the material only during such forward movement for feeding the material to the cutting element and constituting the sole means for supporting the material against downward displacement during the feeding and cutting operation.

2,043,362
DRAGLINE FAIRLEAD ASSEMBLY
Emery J. Wilson, Cleveland, Ohio, assignor to Thew Shovel Company, Lorain, Ohio, a corporation of Ohio
Application August 8, 1934, Serial No. 738,989
8 Claims. (Cl. 254—190)

5. A fairlead assembly for drag lines and the like comprising a pair of sheaves disposed in a common plane and interengageable whereby rotation of one sheave effects concurrent rotation of the other, the sheaves providing a substantially circular passage therebetween in the plane in-

CARNEGIE LIBRARY OF ATLANTA

cluding the sheave axes, a second pair of sheaves swingable about an axis intersecting the plane

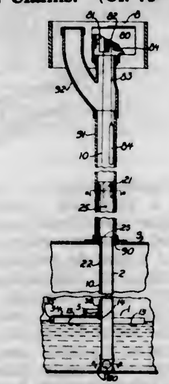


of the first pair and spaced from the plane of the axes of the first pair of sheaves.

2,043,363
REDUCTION OF ORES BY METALLIC CALCIUM
Peter P. Alexander, Marblehead, Mass., assignor to Ventures Limited, a corporation of Canada
No Drawing. Application July 7, 1934, Serial No. 734,203
4 Claims. (Cl. 75—84)

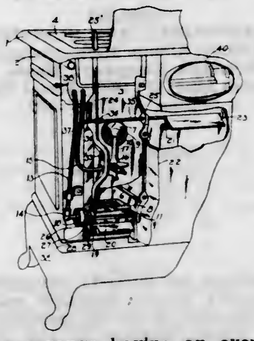
1. A method of reduction of powdered compounds which comprises the placing of ingots of metallic calcium into a container filled with hydrogen, raising the temperature of said container to the temperature of incipient red heat, crushing the embrittled calcium in said container into fine powder, placing the powdered compound into said container, mixing it with powdered calcium, expelling hydrogen from calcium by establishing a vacuum in said container and further raising the temperature above red heat.

2,043,364
TANK GAUGE FLOAT
Ole B. Arntzen, Seattle, Wash., assignor to Gray-Arntzen Co., Seattle, Wash., a corporation of Washington
Application January 17, 1933, Serial No. 652,116
17 Claims. (Cl. 73—82)



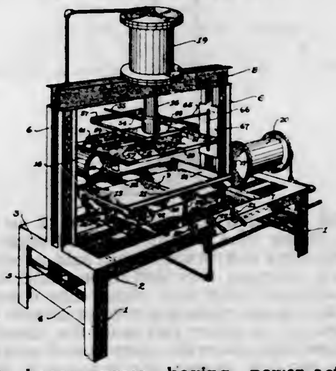
1. In combination with a subterranean tank and a pipe extending upward therefrom, register mechanism at the upper end of said pipe, a float within the tank, a float line extending from the float upward through the pipe to the register mechanism to operate the latter in accordance with the liquid level as determined by the float, and a sleeve closely fitting within the pipe above its lower end and extending below the liquid level, and having outlet openings only below such level, the float being maintained by engagement with said sleeve in position in line with the pipe, and the float line extending through a wall of the sleeve beneath the point where the latter closely fits the pipe.

2,043,365
SAFETY DEVICE
Jesse W. Barker, Geneva, N. Y.
Application March 14, 1935, Serial No. 11,131
4 Claims. (Cl. 126—36)



1. In a gas range having an oven a broiler burner, and a movable oven burner in said oven, said oven burner being movable to and from operative and inoperative positions, separate pipes for supplying gas to said burners, a safety cock in the supply pipe for said broiler burner, a secondary air passage in said oven for supplying air to both of said burners, a damper for said passage, means connecting the movable burner with the said safety cock and damper whereby the said safety cock cannot be opened except when the damper is open and the movable burner is in operative position.

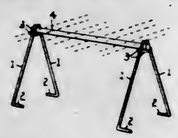
2,043,366
BACON PRESS
Joseph Bech, Chicago, Ill., assignor, by mesne assignments, to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application June 6, 1932, Serial No. 615,595
32 Claims. (Cl. 100—57)



6. A bacon press having power-actuating means therefor, said press including a collapsible

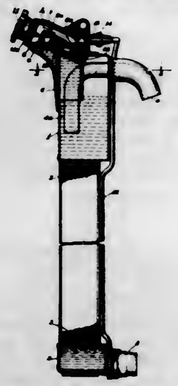
and extensible press box having a chamber to receive bacon bellies and composed of a stationary horizontal bottom die plate, vertically slidable side and end wall plates respectively located at one side of and at one end of the bottom die plate, power actuated side and end wall plates supported upon the bottom die plate, a power actuated top die plate fitting within the power actuated side and end wall plates and extending over and adapted to engage the vertically slidable side and end wall plates, and means for slidably connecting the top die plate with its power actuating means for permitting horizontal sliding movement of the top die plate.

2,043,367
REENFORCE BAR SUPPORT
Dewey H. Bitney, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich.
Application June 17, 1935, Serial No. 26,954
6 Claims. (Cl. 72—122)



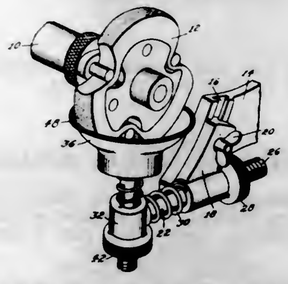
4. A reenforce bar support comprising a pair of leg members, and a bendable seat member welded to the sides of the leg members adjacent to but in spaced relation to the upper ends thereof, said leg members in operative position clamping a reenforce bar at the upper ends thereof.

2,043,368
RADIATOR
Werner F. Boldt, St. Louis, Mo., assignor to The White Motor Company, Cleveland, Ohio, a corporation of Ohio
Application February 23, 1935, Serial No. 7,789
2 Claims. (Cl. 257—125)



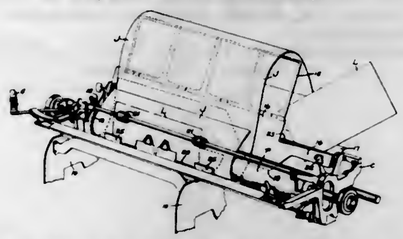
2. The combination in a radiator, of an upper tank, a filling tube leading into said upper tank and extending downward within said upper tank below its entrance into said upper tank, a conduit associated with said filling tube communicating at one end with the interior of said filling tube and at its other end with the interior of said upper tank above the lower end of said filling tube, a cap for closing the outer end of said filling tube, means operable to close the passage through said conduit when said cap is removed, means for opening the passage through said conduit when said cap is placed in a position to close the outer end of said filling tube, and an overflow pipe communicating with the interior of said filling tube.

2,043,369
SHOE ROUGHING MACHINE
Charles G. Brostrom, Peabody, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application September 20, 1934, Serial No. 744,823
7 Claims. (Cl. 69—1)



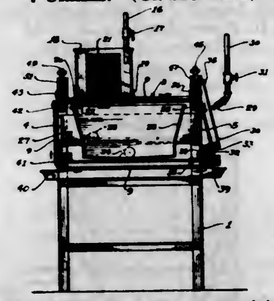
1. In a shoe roughing machine, the combination of a bowl-shaped rotary work rest and a rotary roughing tool positioned partly within said rotary work rest, the axes of rotation of the work rest and the roughing tool being substantially at right angles to each other.

2,043,370
TYPEWRITER CARRIAGE
Conrad C. Dahl, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan
Application June 23, 1934, Serial No. 732,009
4 Claims. (Cl. 197—127)



1. A paper carriage for use in typewriters and the like having a rotatable platen, a pair of spaced paper guides positioned rearward of said platen and adapted simultaneously to guide a plurality of sheets of paper to printing position on said platen, a frame of substantially the same width of the sheet of paper passing thereover and extending upwardly from the central portion of said forward guide for holding the free portion of the sheet of paper thereon spaced from said second guide to permit ready insertion of said second sheet said forward guide having a portion extending outwardly from one side of said central frame to facilitate the insertion of said second sheet therebehind and from the side whereby the second sheet may be fed spirally about the platen into final position.

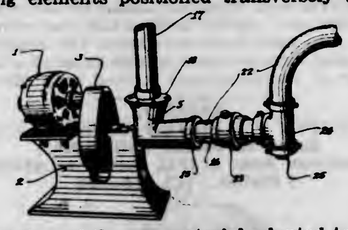
2,043,371
STRAINER
Elmer M. Davis, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application September 7, 1934, Serial No. 743,063
7 Claims. (Cl. 210—198)



7. A cream filtering device comprising an endless fine mesh filter screen, rollers upon which said endless screen is mounted, means for feeding fluid to said screen, means for holding fluid within the zone of filtration and removing excess fluid from said screen, means to catch fluid passing through said screen, and separate means to catch fluid squeezed from said screen by said fluid holding means.

2,043,372
METHOD OF TREATING EGGS
Orville E. Droege, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application May 8, 1933, Serial No. 669,852
5 Claims. (Cl. 99—113)

1. The method of treating eggs which consists in passing the egg material, under pressure, sealed from the atmosphere, through positively cutting elements positioned transversely to the



line of flow of the egg material adapted to comminute the membranous material.

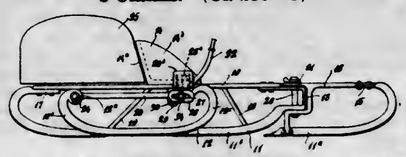
2,043,373
PLIERS
Camille L. Gairoard, West Orange, N. J., assignor to Kraeuter & Company, Inc., Newark, N. J., a corporation of New Jersey
Application May 14, 1935, Serial No. 21,339
3 Claims. (Cl. 254—22)

1. A pliers comprising, a pair of pivoted levers each having a jaw portion and a handle portion, said jaw portions being each provided with flat grip surfaces extending to the nose portion thereof and on each of one of their adjacent faces with a surface all points of which lie in a plane substantially perpendicular to the axis of the pivot joining said levers, the opposite adjacent faces being provided with a contour substantially that of a portion of a spheroid, the major axis of which is in the plane in which said jaws meet when closed, the grip surface of each of said jaws being serrated with the sharp edges of the serrations lying approximately parallel with the



adjacent portions of the faces having said substantially spheroidal contour and a channel in at least one of said jaws the axis of which is substantially perpendicular to the planes of said serrations.

2,043,374
SNOW PLANE AND SCOOTER PLANE
Louis Gelbman, Yonkers, N. Y.
Application February 12, 1935, Serial No. 6,150
8 Claims. (Cl. 280—8)



1. A device of the class described, comprising a body for supporting a person or load, a main runner or coaster element or mechanism on the bottom of said body and extending longitudinally along the center or balance line of the device, a pair of runner or coaster support elements or mechanism on the bottom of said body at the sides thereof, and means manually operable during transit of the device for moving the pair of runner or coaster support elements or mechanism out of contact with the ground.

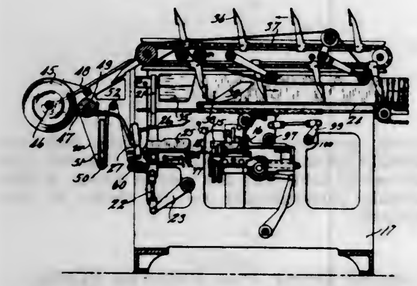
2,043,375
SECTIONAL BEAUTY VASE
George B. Hart, Brighton, N. Y.
Application August 6, 1935, Serial No. 34,931
5 Claims. (Cl. 47—41)



2. A beauty vase of great height, said vase being made of an upper part and a lower part suitably joined together, said upper part being capable of being disconnected from the lower part and being incapable of standing in an up-

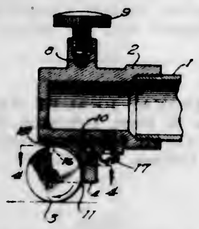
right position by itself, a stand adapted to receive and hold said upper part by itself in an upright position, whereby the height of either part is made much less than the height of the two parts assembled.

2,043,376
PAPER FEED FOR WRAPPING MACHINES
William Hoppe, Springfield, Mass., assignor to National Bread Wrapping Machine Co., Springfield, Mass., a corporation of Massachusetts
Application June 6, 1933, Serial No. 674,509
Renewed March 1, 1935
29 Claims. (Cl. 93—2)



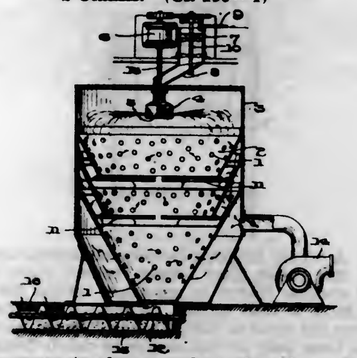
1. In a wrapping machine comprising a carrier movable to receive an article and advance it in the wrapping mechanism, and then to return to its original position, means movable with the carrier for engaging a wrapper web, and a reciprocating gripper movable to the rear of the carrier when the carrier is in its advanced position to grasp the leading end of the web, and then movable away from the carrier to draw out the web, and means for severing sheets from the web.

2,043,377
STRIPING MACHINE
Arthur F. Hulse, Los Angeles, Calif., assignor to Sharpe Manufacturing Company, Los Angeles, Calif., a corporation of California
Application November 29, 1935, Serial No. 52,159
3 Claims. (Cl. 91—62.6)



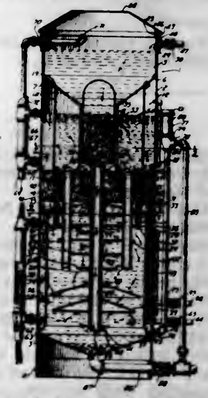
1. A striping device comprising a barrel having an elongated paint-holding reservoir therein, a striping wheel offset from the barrel forming an integral part of said device and mounted near one end of said barrel, and means defining a restricted passageway for paint between said reservoir and the periphery of said wheel, said passageway connecting with said reservoir at a point remote from the end thereof so that there is a very considerable storage space for paint in the reservoir above the inlet to said passageway when said device is held in a vertical position with the striping wheel upward.

2,043,378
APPARATUS FOR MANUFACTURING A FIBROUS SOAP
Masaji Igarashi and Toshiro Hatta, Tokyo, Japan, assignors to Kao Sekken Kabushiki Kaisha Nagase Shokai, Tokyo, Japan, a corporation of Japan
Application August 17, 1933, Serial No. 685,532
In Japan January 11, 1933
2 Claims. (Cl. 159—4)



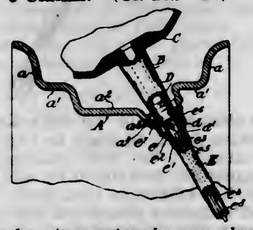
1. In apparatus for manufacturing fibrous soap, having a chamber provided at the upper portion thereof with a rotatable means for centrifugally projecting soap in fluid form into said chamber and at the lower portion of the sides thereof a peripherally disposed air supply means, the combination of a perforate conical apron occupying the lower portion of said chamber and the major portion of the sides thereof over said air supply means and reaching upwardly toward the level of said rotatable soap projecting means in order to cause the incoming air from said air supply means to pass inwardly through the perforations in the form of a plurality of obliquely directed air jets, and a perforate member fixedly associated with a portion of said rotatable means so as to rotate therewith and rapidly project the soap centrifugally into said chamber toward the sides and perforated conical apron in the form of a large number of simultaneously formed soap fibres.

2,043,379
FILTER
James E. Justus, Butler, Mo.
Application June 5, 1933, Serial No. 674,296
6 Claims. (Cl. 210—48)



1. A filter including a tank having an oil inlet chamber at its upper end, a filter bed, means supporting the filter bed in the tank, a wall in the tank below the filter bed to form a wash liquid compartment and an annular chamber for receiving overflow from the compartment, means supplying a wash liquid to said compartment, a series of baffles, a pipe communicating with the inlet chamber for flow upwardly through the wash liquid, means supporting the baffles to effect tortuous flow of the oil through the wash liquid, means communicating with the tank for maintaining a predetermined level of wash fluid in the annular chamber, and a conduit extending through the filter bed and into said annular chamber for equalizing pressures on opposite sides of the filter bed.

2,043,380
TIRE VALVE
William J. Kirkpatrick and Frederik G. Whittington, Garden City, N. Y., assignors, by mesne assignments, to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application April 7, 1932, Serial No. 603,724
Renewed December 23, 1933
6 Claims. (Cl. 152—12)



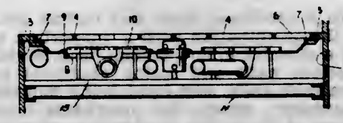
1. A tire valve stem extension member comprising a tubular element having means for attachment to a valve stem, said extension member being adapted to pass through the opening in a wheel through which the tire valve stem is intended to pass, and having means thereon for engagement with the wheel in proximity to the valve stem opening therein for preventing the withdrawal of the valve stem through said opening while the extension member is on the valve stem.

2,043,381
AUTOMATICALLY ORIENTING WHIPSTOCK
Edward K. Lane, Houston, Tex.
Application March 9, 1935, Serial No. 10,134
4 Claims. (Cl. 255—1)



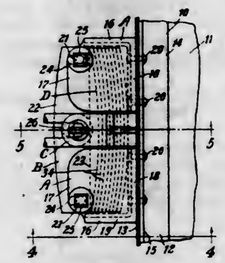
2. A whipstock for use in wells having its bore inclined, including an elongated body of smaller diameter than the well bore, a deflecting surface at one side of the upper end thereof, a weighted section in said body on the side below said deflecting surface, and inclined outwardly projecting vanes on the side of said body opposite said weighted section to assist in orienting said body.

2,043,382
BURNER TRAY
Stephen Leonard, Detroit, Mich., assignor, by mesne assignments, to Berg-Warner Corporation, a corporation of Illinois
Application April 24, 1931, Serial No. 532,421
2 Claims. (Cl. 126—39)



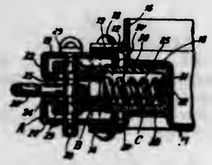
1. A burner box having in combination a plurality of side walls, a drip pan forming a bottom wall, a grate opening, a ledge adjacent the upper end of said burner box at said grate opening, a manifold, a plurality of burners with feed lines having a detachable connection with said manifold, supports for said burners, a unitary removable exposed tray supported on said ledge and extending across the burner box for covering the feed lines and other parts of said burner box, said tray being removable independently of said burners and provided with openings for receiving said burners and permitting unrestricted flow of air past all said burners, and grate means above said burner openings.

2,043,383
DRAFT RIGGING
John H. Link, Merion, Pa., assignor to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application April 27, 1932, Serial No. 607,715
9 Claims. (Cl. 213—9)



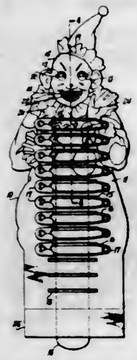
1. In a draft rigging for cars, the combination with a two-part housing fixed to the end of the car; of a transversely disposed laminated plate spring having its opposite ends seated in said parts of the housing respectively; a buffing head telescoped within said housing and engaging the opposite ends of the spring to flex the same inwardly in buff; a yoke member movable outwardly in draft, said yoke member being interposed between the two parts of the housing and embracing the laminated plate spring between the ends thereof; and abutment means on the car limiting inward movement of the yoke.

2,043,384
COMBINED DRAFT AND BUFFING GEAR
Harvey J. Lounsbury, Glen Ellyn, Ill., and John H. Link, Merion, Pa., assignors to W. H. Miner, Inc., Chicago, Ill., a corporation of Delaware
Application September 1, 1932, Serial No. 631,392
11 Claims. (Cl. 213—9)



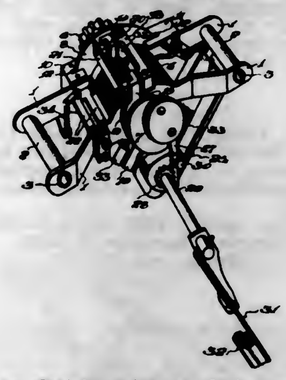
11. In a combined draft and buffing gear for a car, the combination with a supporting member; of a movable hollow buffing head having top and bottom walls and spring abutment means between said walls, said head being movable on said member; means for restricting outward movement of the buffing head with respect to said member; a yoke slidable with respect to said member, said yoke having forwardly projecting arms disposed between the top and bottom walls of the buffing head and embracing the spring abutment of said head; spring means within the yoke bearing on said abutment means and opposing relative movement of the yoke and said head; and a pin extending through the arms of said yoke and the top and bottom walls of the buffing head for limiting relative movement of the yoke and head.

2,043,385
DISPLAY CARD FOR SAFETY PINS AND SIMILAR ARTICLES
Edward J. Malvey, Waterbury, Conn., assignor to The Chase Companies, Incorporated, Waterbury, Conn., a corporation of Connecticut
Application January 2, 1936, Serial No. 57,239
1 Claim. (Cl. 206—66)



A display card for safety pins and similar articles, comprising a card having a body-portion and a head, the body-portion formed with a series of transverse slots and the head formed with openings, and a strip at the rear of the card adapted to be moved up and down and guided by pins entered into the slots, said strip provided at its upper end with features adapted to register with the openings in the face, said head formed at its lower end with shoulders adapted to engage with the uppermost pin to arrest the downward movement of the strip.

2,043,386
ELECTROMAGNETIC MOTOR
Madison P. McCarty, Dallas, Tex., assignor of part interest to Warner Clark and B. L. Laird, both of San Francisco, Calif.; Graham B. Moody, Glendale, Calif.; Earl R. Wall, Victoria, Tex.; and Leonard W. Orynski, R. H. Morrison, F. A. Davies, John C. Karcher, and Harry W. Bass, all of Dallas, Tex.
Application December 2, 1933, Serial No. 700,640
4 Claims. (Cl. 172—126)



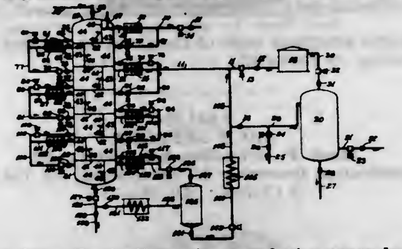
3. In an electric motor, an electro-magnet and a shaft passing freely through its axis, pole pieces mounted adjacent to said magnet, armature means mounted for movement by said pole pieces, a rotatable disc affixed to said shaft, means carried by said armature means for transmitting rotation to said disc by imparting thereto rapidly recurring impulses, said means comprising members arranged in diametrically opposed relationship and containing means movable against and away from the sides of said disc when said armature means is actuated.

2,043,387
METALS AND METHOD OF FORMING SAME
Samuel R. McBride, Long Beach, Calif., assignor to Harry L. Fuog, Los Angeles, Calif.
No Drawing. Application November 5, 1934, Serial No. 751,585
14 Claims. (Cl. 75—17)

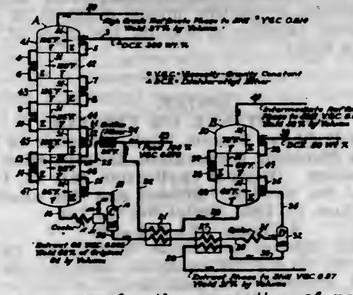
6. A method of improving metals, which comprises contacting the same in a molten state with ore substantially free of carbonaceous shale containing a radio active metal.

2,043,388
METHOD FOR PRODUCING LUBRICATING OIL
David R. Merrill, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application November 6, 1933, Serial No. 696,851
10 Claims. (Cl. 196—13)

1. A process for the separation of paraffinic and non-paraffinic fractions from an oil containing the same which comprises extracting said oil with a selective solvent, separating a primary raffinate insoluble in said solvent from a low grade extract soluble therein, introducing a selective solvent into a primary stage of a second extraction system, introducing said primary raffinate into the tertiary stage of said system, introducing a paraffinic oil fraction and selective solvent in said primary and tertiary stages respectively of said second extraction system, removing a raffinate from the primary stage and extract from the tertiary stage and at a secondary stage of said second extraction system commingling extract phase from the primary stage with raffinate from the tertiary stage.

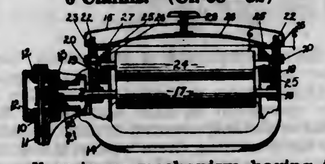


2,043,389
SOLVENT EXTRACTION OF OIL
David R. Merrill, Long Beach, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California
Application August 26, 1933, Serial No. 686,941
20 Claims. (Cl. 196—13)



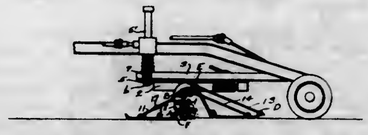
1. A process for the separation of paraffinic and non-paraffinic fractions from an oil containing the same comprising extracting said oil with a selective solvent, separating a raffinate insoluble in said solvent, separating an extract dissolved in said solvent, commingling the extract dissolved in said solvent with a wash oil comprising an insoluble fraction separated from said selective solvent solution of oil by cooling the solution and allowing said insoluble fraction to separate from said selective solvent solution.

2,043,390
WRINGER RELEASE MECHANISM
Carl Moen, Detroit, Mich.
Application June 18, 1934, Serial No. 731,075
6 Claims. (Cl. 68—32)



1. A roll wringer mechanism having in combination a lower frame, a top frame, upper and lower wringer rolls supported in a manner to be laterally movable with respect to the frames, mechanism connecting the roll supports whereby the rolls are caused to move in unitary direction, tensioning means adapted to maintain the rolls in pressure relation, mechanism connected with the rolls for retaining the same in pressure relation, said mechanism being movable, upon lateral movement of the rolls, to release the tensioning means.

2,043,391
GAUGE FOR GRADING MACHINE BLADES
Charles C. Moon, Derby, Kans.
Application June 3, 1935, Serial No. 24,667
2 Claims. (Cl. 37—143)



1. In a gauge for grading machine blades, in combination with a grader blade, a block secured to the blade near each end thereof, the said block having two pairs of ears integrally joined but spaced apart, the vertically aligned ears of each pair being drilled in axial alignment, a front and rearwardly positioned runner carried by the blocks, each runner having a threaded shank hinged thereto, the shanks vertically carried by the blocks respectively and adapted to turn therein, a pair of nuts to engage on each shank to move the same vertically, the nuts positioned between their respective vertically aligned ears and free to turn with the shank, a pair of adjustable braces secured to the free end of the forwardly positioned runner, one of said braces to secure the runner against vertical rocking movement, the other brace being secured to the center of the blade near the upper edge thereof as means to restrict horizontal rocking movement of the runner, a brace for the rearwardly positioned runner, one end of which pivotally connects to the free end thereof, while the other end is pivotally carried by its respective upper ear of the block.

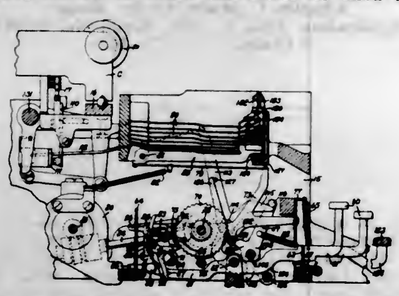
2,043,392
METHOD OF TENDERING MEAT
Levi Scott Paddock and Cleo A. Rinehart, Chicago, Ill., assignors to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
No Drawing. Application July 14, 1933, Serial No. 680,460
11 Claims. (Cl. 99—159)

1. The process of treating meat which comprises pumping a dilute aqueous solution of a proteolytic enzyme through the vascular system thereof and carrying the meat under refrigeration.

2,043,393
POWER OPERATED TYPEWRITER
Walter J. Pasinski, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan
Application January 25, 1930, Serial No. 423,338
29 Claims. (Cl. 197—17)

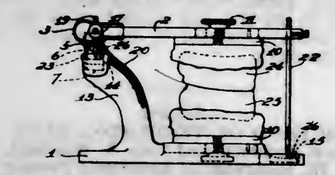
1. A typewriter having a power driving means including a rotatable toothed wheel, a type bar action urged toward a normal non-printing position, driving connections for connecting said type bar action to said toothed wheel including a pawl provided with means for urging it in a direction to engage said wheel, a detent urged to a position

to normally restrain said pawl, a type key having connections for moving said detent to release said pawl to enable the latter to engage said wheel to thereby cause said type bar action to be driven to printing position, and disconnecting means automatically disengaging said pawl from said wheel after said type bar has moved a predetermined distance, said disconnecting means also reversing the direction of action of said pawl urging means to cause the latter to hold the



pawl in disengaged position, said disconnecting means also having provisions for again reversing the direction of action of said pawl urging means during the return of said type bar to normal to thereby urge the pawl toward said wheel, said detent being returned to normal position before the second reversal of said urging means to thereby arrest said pawl before it engages said toothed wheel.

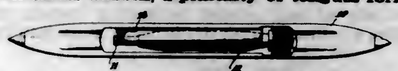
2,043,394
APPARATUS FOR MAKING ARTIFICIAL DENTURES
Charles A. Reith, Pittsburgh, Pa.
Application October 7, 1933, Serial No. 692,611
5 Claims. (Cl. 32—32)



1. Apparatus for forming artificial dentures, comprising a stationary base member adapted to support a temporary dental plate, a lever member disposed above said base and adapted to support a temporary dental plate for registering with said first-mentioned plate, one of said members being provided with a socket, a ball disposed in the socket and spacing said members apart, spring means yieldingly connecting said members whereby said lever member is movable in all directions relative to said base member, and means attached to said members for recording the movements of said lever member relative to the base member.

2,043,395
YARN TENSIONING AND GUIDING DEVICE FOR WEAVERS' SHUTTLES
Egid Scherdel, New York, N. Y.
Application April 10, 1935, Serial No. 15,548
3 Claims. (Cl. 139—213)

1. A yarn tensioning and guiding device for the thread or yarn on the bobbins in shuttles of weaving machines, comprising a rubber body suitably curved and engaging the underside of the yarn on its bobbin, a plurality of tongues formed



at one marginal edge of the body by suitably recessing its material.

2,043,396
ARCH SUPPORT
Jacob P. Schnellbacher, Peoria, Ill.
Application December 20, 1934, Serial No. 758,395
9 Claims. (Cl. 36—71)

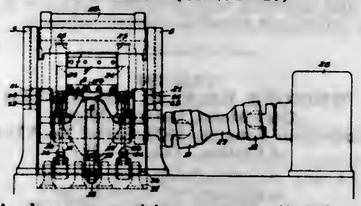


1. A device of the class described including in combination an innersole member having an elevated portion, a plate member attached to the innersole at each side of the elevated portion and a unitary support element inserted between said plate and innersole, said support element comprising an envelope member made from resilient material, said envelope having an open side and receptacles formed on opposite interior surfaces of two of its sides, said receptacles adapted to receive and retain resilient supporting means, and resilient supporting means disposed in said receptacles capable of forcing the sides of the envelope apart.

2,043,397
INK THINNER OR VEHICLE
Charles P. Shaw, Detroit, Mich., assignor to Detroit Moulding Corporation, Detroit, Mich.
No Drawing. Original application July 28, 1933, Serial No. 682,628. Divided and this application June 15, 1934, Serial No. 730,754
1 Claim. (Cl. 134—66)

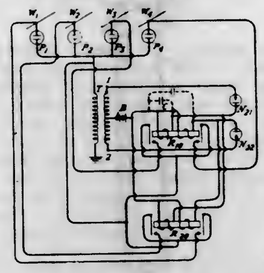
An ink thinner or vehicle comprising 15.9% castor oil, 22.1% lithographic varnish, 26.6% stearine, and 35.4% turpentine.

2,043,398
SHEAR
John A. Smitmans, Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application February 28, 1935, Serial No. 8,650
10 Claims. (Cl. 164—47)



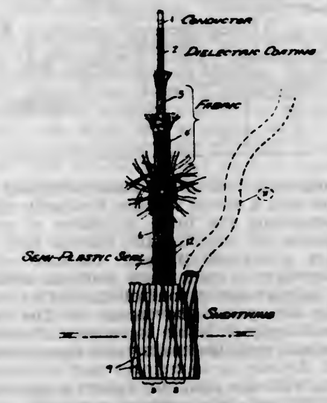
1. A shear comprising a supporting housing, an upper and a lower blade carrier equipped with cutting blades mounted for relative reciprocatory movement in said housing, a floating drive shaft rotatably secured to one of said carriers for reciprocating them both relative to each other, an eccentric on said shaft, means connecting said eccentric to said other carrier for actuating the latter through the rotation of said shaft, and means for actuating said blade carriers comprising a source of power connected by a flexible connection to said drive shaft.

2,043,399
ELECTRICAL PROTECTIVE SYSTEM
Leland Kasson Swart, Mountain Lakes, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application February 20, 1935, Serial No. 7,451
2 Claims. (Cl. 179—78)



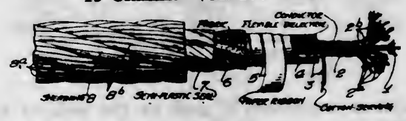
1. Apparatus for the protection of a plurality of circuits exposed to inductive interference comprising a plurality of protector blocks one terminal of each of which is connected to a corresponding circuit, a transformer the primary winding of which is connected between the other terminal of each of said protector blocks and ground, two two-electrode cold cathode gas-filled rectifier tubes, a relay having two windings each of which is connected in series with one of said tubes and one-half of the secondary winding of said transformer, and means responsive to the operation of said relay for simultaneously shunting all of said protector blocks.

2,043,400
CONDUCTOR CABLE
Walter T. Wells, Los Angeles, Calif., assignor to The Technicraft Engineering Corporation, Los Angeles, Calif., a corporation of California
Application March 27, 1933, Serial No. 662,901
12 Claims. (Cl. 173—266)



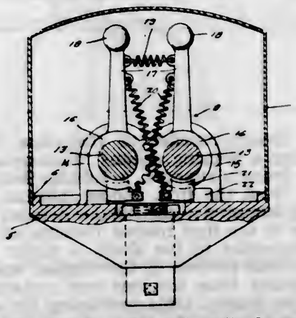
1. A conductor cable, substantially as described, comprising a conductor of electrical energy, provided with a flexible dielectric coating, laminations of woven fabric surrounding said conductor, a layer of malleable, moisture-proof material surrounding said fabric and completely filling the voids therein, and an outer lay composed of a plurality of stranded wires.

2,043,401
SUPPORTING AND CONDUCTING CABLE AND METHOD OF CONSTRUCTING THE SAME
Walter T. Wells, Glendale, Calif., assignor to The Technicraft Engineering Corporation, Los Angeles, Calif., a corporation of California
Application July 7, 1934, Serial No. 734,169
19 Claims. (Cl. 173—266)



1. A supporting and conducting cable comprising; a multi-stranded conductor; a multi-stranded sheathing thereabout; the lays of the conductor and sheathing extending in the same direction; a yieldable dielectric embracing the conductor and within the sheathing; a fabric interposed between the dielectric and sheathing; and a semi-plastic material having adhesive characteristics impregnating said fabric and adhering to said sheathing; and serving windings isolating the dielectric from the fabric and from the conductor.

2,043,402
GENERATOR PROPELLER
Eddie J. Weible, Hillsboro, N. Dak.
Application April 12, 1935, Serial No. 16,069
1 Claim. (Cl. 170—68)

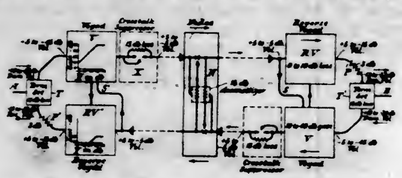


A propeller of the class described comprising a drive shaft, a hub on said drive shaft, a pair of parallel rotatably mounted shafts on the hub and provided with meshing gears, each gear being provided with an outwardly extending arm having a weight at its free end thereof, the lower portion of each arm being provided with protuberances, stop means on said hub for cooperation with said protuberances for limiting the movement of said gears, extensible coiled springs each connected at one end to one of the arms adjacent its outer end, said springs being connected at their opposite end to the protuberances from which the complementary arm extends, and blades at the outer ends of each shaft.

2,043,403
TELEPHONE TRANSMISSION CIRCUITS
Sumner Bisbee Wright, South Orange, and Leonard Gladstone Abraham, Madison, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York
Application November 8, 1934, Serial No. 752,150
16 Claims. (Cl. 178—44)

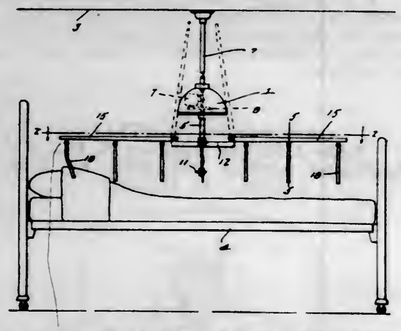
1. A telephone system including a link having separate paths for transmitting in opposite direc-

tions, with two-wire terminating sets, and means for improving transmission comprising for each path a vogad, and a nodes the sensitivity of



which is controlled in part by the gain of the vogad.

2,043,404
INSECT REPELLER
Henry Marvin Council, Atlanta, Ga.
Application December 6, 1934, Serial No. 756,323
2 Claims. (Cl. 230—242)



1. An insect repeller of the class described comprising a housing, means for suspending the housing from a support, a tubular housing depending from the first named housing, a shaft rotatably mounted in the tubular housing, a motor mounted in the first named housing and operatively connected to the shaft, a spider fixed on the lower end portion of the tubular shaft, pairs of ears rising from the free end portions of the legs of the spider, arms journalled for swinging movement between the pairs of ears and engageable on the legs of the spider for support in a horizontal position, and flexible strips secured, at spaced points, to said arms.

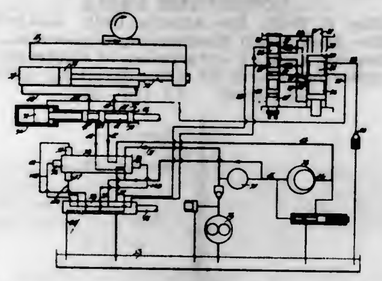
2,043,405
THERMO-HYDROMETER
Leo Edelmann, Chicago, Ill., assignor to E. Edelmann & Co., Chicago, Ill., a corporation of Illinois
Application July 30, 1932, Serial No. 627,000
2 Claims. (Cl. 265—46)

2. A thermo-hydrometer comprising, a tubular transparent liquid-containing barrel of substantially cylindrical form in the main, said barrel having an elongated offset recess portion extending longitudinally on one side intermediate the ends of the barrel and said offset recess being open entirely along its side into the main portion of the barrel and formed along this open side with restricting portions, nozzle and suction means mounted respectively at the ends of the barrel, a gauge float in the main portion of the barrel, a thermometer in the offset recess to thus be exposed substantially throughout its length to be influenced by the quantity of liquid taken into the barrel to influence the gauge float, and compressible cushion rings fitted between the thermometer and the side walls of the



recess and frictionally engaging the restricted portions at the sides of the recess to hold the thermometer in place against longitudinal and lateral shifting and displacement.

2,043,406
HYDRAULIC SPINDLE STOP
Hans Ernst and Charles W. Goodrich, Cincinnati, Ohio, assignors to The Cincinnati Milling Machine Company, Cincinnati, Ohio, a corporation of Ohio
Application October 1, 1930, Serial No. 485,764
24 Claims. (Cl. 90—21.5)



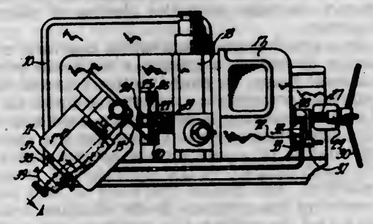
15. A machine tool of the class described having a table and a cutter spindle, hydraulic means for reciprocating the table, a source of power, clutch means for coupling the spindle with said source for actuation thereby, manual control means therefor, a main valve and an auxiliary valve for independently controlling said hydraulic means to determine movement of the table, means selectively shiftable to connect the clutch control means with the main valve for automatic operation thereby or to connect said clutch control means with the auxiliary valve for automatic operation thereof, latch means normally operative to maintain the auxiliary valve in a running position, means simultaneously movable into position by the selective means during its last named shifting movement to effect release of said latch means upon movement of the manual control means to a clutch disengaging position thereby permitting movement of the auxiliary valve to stop the table.

2,043,407
GREASE GUN ATTACHMENT
Edmond J. Feller, Madison, Wis.
Application December 12, 1934, Serial No. 757,209
2 Claims. (Cl. 285—143)



1. A discharge nozzle for a grease gun, comprising a body part formed with a shank and a head fashioned to provide a quick detachable connection with a lubricant receiving nipple and having a grease channel therein leading to an enlarged mouth in the head at the discharge end of the nozzle, and an elongated metal plate attached at one of its ends to the shank and extending forwardly past the mouth in the head and disposed to overlie the mouth and provided with an opening therein registering with the mouth but smaller than the mouth, said elongated metal plate designed to seal the connection between the nozzle and a nipple against escape of grease under pressure and to form a smooth riding surface for quick attachment of the nozzle with the nipple.

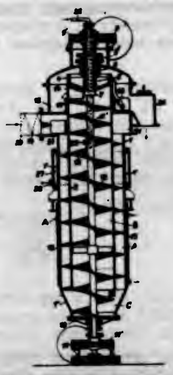
2,043,408
GRINDING MACHINE
Eugene F. Haas, Cincinnati, Ohio, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application February 14, 1931, Serial No. 515,807
13 Claims. (Cl. 51—48)



1. In a grinding machine the combination with a bed, of a rotatable spindle supported thereby, a grinding wheel on one end of said spindle, means supporting a work piece adjacent the grinding wheel, means for effecting a relative feed between the work and grinding wheel, and an hydraulic spindle oscillator normally holding the spindle and grinding wheel against axial reciprocation but energizable by the work feeding means.

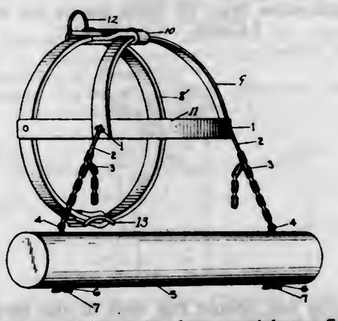
2,043,409
APPARATUS FOR THE CONTINUOUS EXTRACTION OF MATERIAL
Heinrich Heitmann, Magdeburg, Germany, assignor to the firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany
Application March 17, 1934, Serial No. 716,159
In Germany December 24, 1932
4 Claims. (Cl. 87—6)

1. Apparatus for continuous lixiviation of solid materials, comprising an upright receptacle and a tube therein dividing its inner space into two concentric chambers, feeding means to move material to be lixiviated downward in one of said chambers, feeding means to move the material upward in the other of said chambers, separate driving means for said feeding means whereby they may be driven at different speeds, and means



to cause a solvent to flow through said chambers in succession in counter-current to the material.

2,043,410
TRAMMEL FOR ANIMALS
Charles S. Huber, Davenport, Iowa
Application August 4, 1934, Serial No. 738,469
5 Claims. (Cl. 119—107)



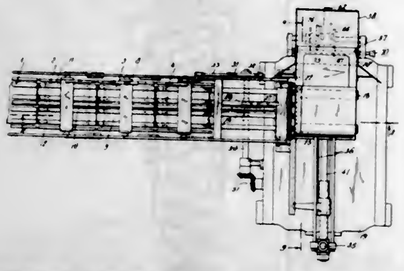
1. A trammel for animals comprising a flexible girth adapted to encircle the body of the animal back of the front legs, a neck strap spaced therefrom, a breast strap united to the girth and the neck strap, and a rod of balsa wood suspended transversely from the neck strap adapted to hang in front of the animal's front legs and limit his freedom of movement thereof.

2,043,411
CAN PACKING MACHINE
Wallace D. Kimball, Jackson Heights, N. Y., assignor to Standard-Knapp Corporation, Long Island City, N. Y., a corporation of New York
Application September 15, 1931, Serial No. 562,923
28 Claims. (Cl. 226—15)

26. In a can casing machine a can-holding rack adapted to hold a plurality of superimposed rows of cans, said rack being extended to receive the open end of a case to be filled, power-operated means for ejecting the cans, and a trip for applying the power arranged for operation by contact with said case as it is pushed over the rack.

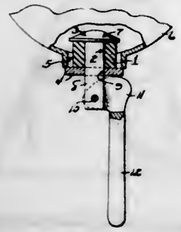
28. In a can packing machine the combination of a load receiving frame, a plunger for ejecting a load of cans thereon into a carton, a plurality of conveyors at the side of said frame for delivering

cans thereto, a feed conveyor for supplying cans to said machine including a plurality of tiltable sections for transferring cans from said feed conveyor to said plurality of conveyors, each of said tiltable sections being adapted to measure the



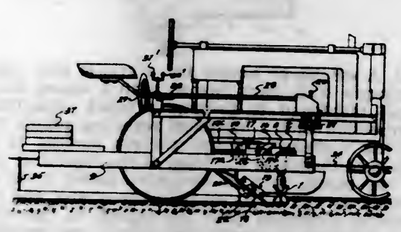
number of cans desired to form a row in the charge to be inserted in the carton, and means actuated in timed relation to the movement of the plunger for controlling the tilting of said tiltable sections.

2,043,412
TRAP PLUG
Henry Klein, Philadelphia, Pa., assignor to Samuel Silver, Glenside, Pa., trading as K-S Specialty Company
Application May 27, 1935, Serial No. 23,784
1 Claim. (Cl. 182—24)



A plug for closing the vent in the bend of a trap comprising a cylindrical sleeve of compressible rubber having an axial bore, a compression member of bolt-like form comprising a conical head portion bearing with its base against one end of the sleeve, and a flat shank portion extending through the bore of the sleeve and beyond the sleeve, said head portion being of slightly smaller diameter than the vent to be closed, a second compression member bearing against the other end of the sleeve and being of disc-like form, the second named compression member being provided with a central rectangular opening through and beyond which the shank portion of the first named compression member extends, the second named compression member being of sufficient diameter to bear against the outer edge of the vent to be closed, and a bifurcated cam member pivotally mounted on said shank portion and provided with a handle, said cam member being adapted to be swung by said handle against the second named compression member to effect movement of both compression members toward each other to thereby compress the sleeve between the members, said cam member being adapted to be swung past a dead center position until the second named compression member engages the handle for locking the compression members in compressing position.

2,043,413
FORM GRADING AND SUBGRADING MACHINE
Jean H. Knox and Ben Garner, Sr., Dallas, Tex., Application June 1, 1933, Serial No. 673,874
7 Claims. (Cl. 37—108)



1. In a grading and excavating machine of the character described, signalling means for indicating to the operator the presence of relatively high and low places in the path of the channel being cut, said means comprising a grade line located alongside of the path of the channel to be cut and spaced contact elements arranged on the machine to travel respectively above and below said grade line and being each connected operably in a separate electrical circuit, whereby, upon rise and fall of the machine in its travel either of said contact elements engages said grade line and effects the closing of the electrical circuit in which the element is included, a signal light of a distinctive color in each of said electrical circuits, and an audible signal device simultaneously operable with the closing of either of said circuits.

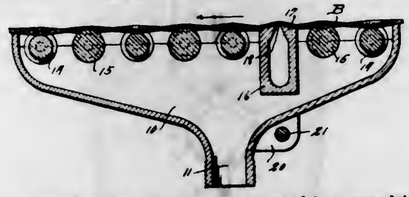
2. In a grading and excavating machine of the character described, a tractor, a vertically adjustable lateral frame on said tractor, counter rotating augers arranged in cooperative pairs in vertical position on said lateral frame, said augers in cutting and digging action carrying the cuttings to the middle of a channel being cut and rearwardly with respect to the direction of travel of the machine, and means rearward of said augers for receiving the cuttings in the channel and delivering and depositing the cuttings alongside of the channel as cut, said means comprising an apron disposed inclinedly upward from the plane of the lower ends of said augers, and a propeller element on said apron for discharging the cuttings therefrom.

2,043,414
MARKER FOR HIGHWAYS
Fred H. Korff, Bayside, N. Y.
Application July 20, 1934, Serial No. 736,198
5 Claims. (Cl. 88—79)



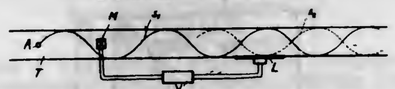
1. A marking strip for highways consisting of a painted band of light colored non-metallic binding material applied to the surface of a highway, said band of binding material having glass spherical particles in the surface thereof, said particles being of such minute diameter that they are substantially entirely embedded in the surface of the binder strip, sufficient of the upper surface of said particles being exposed to permit of refracting action of light rays.

2,043,415
FELT CLEANER FOR PAPER MILLS
Lawrence L. Lapeyrouse, Chickasaw, Ala.
Application October 1, 1935, Serial No. 43,109
8 Claims. (Cl. 92—50)



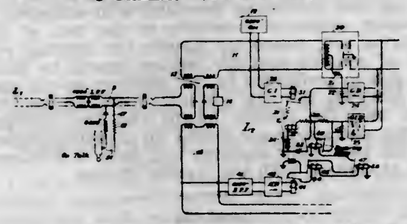
1. A felt cleaner for paper making machines including a vacuum head open upon one face, a series of rollers mounted in the head and extending across the open face thereof, and means for discharging water upon the felt.

2,043,416
PROCESS OF SILENCING SOUND OSCILLATIONS
Paul Lueg, Kirchstrasse, Germany
Application March 8, 1934, Serial No. 714,582
In Germany January 27, 1933
4 Claims. (Cl. 179—1)



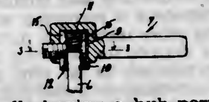
1. In combination, means receiving sound oscillations travelling in the air and means reproducing sound oscillations within the field of action of the first-mentioned sound oscillations and causing them to travel substantially in the same direction as that of the first-mentioned sound oscillations, the second-mentioned sound oscillations having an opposite phase in relation to the first-mentioned sound oscillations, whereby the received sound oscillations are silenced within the range of the reproduced sound oscillations.

2,043,417
SIGNALING SYSTEM
Doren Mitchell, Bound Brook, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application September 25, 1935, Serial No. 42,088
5 Claims. (Cl. 178—44)



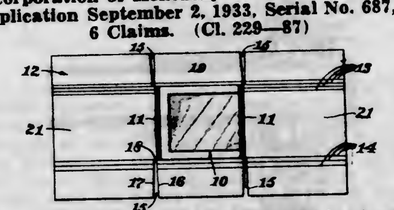
1. In a signaling system, a transmission path, control means for automatically maintaining the signals on said path at substantially constant volume, a toll line, a central office having means for connecting said toll line to the transmission path, an A. C. source associated with the transmission path, and means operated at the central office at the time of connecting the toll line to the transmission path and prior to the operation of the control means by the signals from the toll line whereby power from the A. C. source resets the control means to a value appropriate for the volume of signal coming from the toll line.

2,043,418
VALVE STEM HANDLE
Joseph Newmark, New York, N. Y., assignor to Die Casting Corporation of America, Elmhurst, N. Y., a corporation of New York
Application March 14, 1935, Serial No. 11,055
2 Claims. (Cl. 287—53)



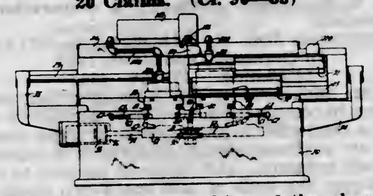
1. A handle having a hub portion adapted to be applied to valve stems, a longitudinally split bushing removably positioned within said hub portion, said bushing having a bore extending therethrough and tapering inwardly from the outer ends thereof, said bore being of a larger diameter at one end than at the other to receive stems of various sizes and being threaded whereby an unthreaded stem will be automatically threaded as it is inserted in the bushing and the latter being expanded by the stem to be frictionally held within the hub portion.

2,043,419
CARTON BLANK
James Edward Robinson, Louisville, Ky., assignor to W. J. Hughes & Sons Co., Louisville, Ky., a corporation of Kentucky
Application September 2, 1933, Serial No. 687,991
6 Claims. (Cl. 229—87)



3. A carton blank of sheet material having two sets of scorings, each set comprising a plurality of closely spaced parallel scores, and said sets of scorings being spaced apart and parallel to accommodate therebetween a side of the article to be enclosed, and the interval between the scores of one set bearing a fractional ratio to the interval between the scores of the other set.

2,043,420
BROACHING MACHINE
Erwin G. Reehm, Norwood, Ohio, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application August 28, 1934, Serial No. 741,821
20 Claims. (Cl. 90—33)



20. In a broaching machine of the character described, the combination with a reciprocable

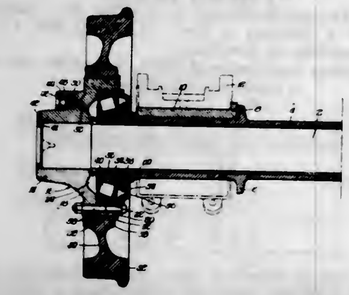
broach ram, of means for effecting a reciprocation thereof in opposite directions and at a tooling rate in both directions, a pair of oppositely disposed broaches carried by the ram, whereby one of said broaches may effect a tooling operation during each direction of movement of the ram, a pair of work supporting members having work support portions extending into alignment with the respective broaches on the ram for individual presentation of work pieces to the respective broaches, means supporting said members for movement toward and from the broaches on the ram, means interconnecting said members whereby one of said members is retracted with respect to the ram as the other member is moved toward the ram, locking devices for securing said members in operative relation to the ram, and a control mechanism including an hydraulic motor and power connections between the hydraulic motor and the locking devices and between the hydraulic motor and the member shifting means, whereby actuation of the motor will successively release the locking devices and alternately shift the work supporting members.

2,043,421

WHEEL AND AXLE ASSEMBLY

Fred E. Bachman, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey

Application August 1, 1931, Serial No. 554,481
15 Claims. (Cl. 295—36)



3. In a car truck, the combination of a wheeled inner axle, an outer axle providing a housing for said inner axle, anti-friction bearings in cooperative relation with said axles, said outer axle cooperating with journal boxes through friction bearings inwardly of said wheels.

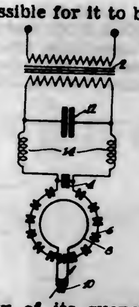
2,043,422

DIATHERMIC APPARATUS FOR GENERATING SHORT OR ULTRA-SHORT WAVES

Kurt Bergk, Berlin-Tempiehof, and Josef Hofmann, Berlin-Reinickendorf-Ost, Germany, assignors to Elektricitätsgesellschaft "Sanitas" m. b. H., Berlin, Germany, a corporation of Germany

Application May 17, 1933, Serial No. 671,525
In Germany October 20, 1932
14 Claims. (Cl. 128—420)

1. An apparatus of the class described comprising, in combination, a primary oscillatory circuit; a condenser in said circuit; a series spark-gap; an auxiliary circuit comprising a capacity and self induction, and disposed parallel to said spark-gap, the ends of said spark-gap being directly connected to the two poles respectively of said condenser, and said self-induction being as large as it is possible for it to be without depriv-



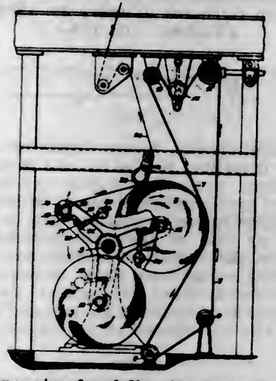
ing said capacity of its quenching capacity to prevent arcing at the spark-gap.

2,043,423

APPARATUS FOR DELIVERING PAPER FROM ROLLS

David G. Bernard, Chicago, Ill., assignor, by direct and mesne assignments, to Donald M. Carter, Chicago, Ill.

Application October 31, 1932, Serial No. 640,430
7 Claims. (Cl. 242—75)



1. An apparatus for delivering paper from rolls, comprising means for movably mounting a plurality of rolls in position, one of the rolls being the expiring roll and another of the rolls being a new roll, tension means for engaging the periphery of the expiring roll while the paper is being normally delivered therefrom, the end of the web of the new roll being provided with adhesive, a pressure device in proximity to the web of the expiring roll, means for moving the expiring roll out of contact with the tension means to bring its web in proximity to the pressure device and for bringing the new roll into operative connection with the tension means and the pressure device, and automatic means for applying tension to the web of the expiring roll when it is moved out of contact with the tension means.

2,043,424

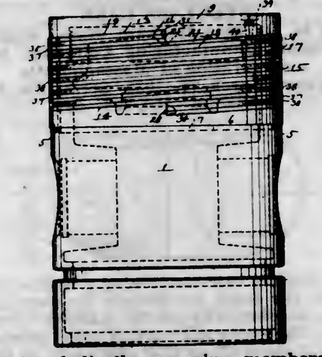
PISTON

Donald J. Campbell, Spring Lake Township, Ottawa County, Mich., assignor to Campbell, Wyant and Cannon Foundry Company, Norton Township, Mich., a corporation of Michigan

Application February 13, 1933, Serial No. 656,399
Renewed November 29, 1935
5 Claims. (Cl. 309—30)

1. An engine piston comprising: a body provided with a shoulder comprising helical portions

stepped to provide stops therebetween; a ring threaded on the body provided with an annular shoulder comprising helical portions stepped to provide stops therebetween; a helical sealing element surrounding the body between the shoulders



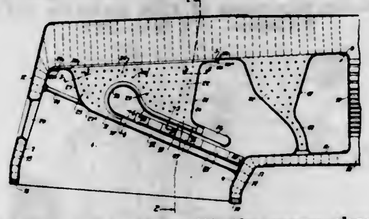
comprising helically engaging members having ends abutting a stop of the body portion and a stop of the ring respectively, and being pressed into sealing relation with each other, with the shoulders and with the cylinder.

2,043,425

THERMIC SIPHON

Gust J. Christenson, Chicago, Ill., assignor to Locomotive Firebox Company, Chicago, Ill., a corporation of Delaware

Application June 20, 1935, Serial No. 27,560
19 Claims. (Cl. 122—68)



18. In combination with the crown sheet of a locomotive boiler firebox, a thermic siphon including a substantially perpendicularly disposed flat hollow body having an upper part opening through said crown sheet and having a bifurcated lower part presenting spaced inlet openings.

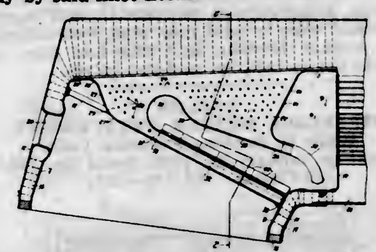
2,043,426

THERMIC SIPHON

Gust J. Christenson, Chicago, Ill., assignor to Locomotive Firebox Company, Chicago, Ill., a corporation of Delaware

Application July 8, 1935, Serial No. 30,288
5 Claims. (Cl. 122—68)

1. In a locomotive boiler firebox having a combustion chamber, a hollow water steaming and circulating wall including a body, a tubular inlet neck for said wall communicating at one end with the front bottom part of the body and opening at the other end through a part of the combustion chamber into the adjacent water space of the boiler, a second tubular inlet neck communicating at one end with the rear bottom part of the body and opening at the other end into water space of the boiler rearwardly of the combustion chamber, said body having a single outlet opening through the crown sheet of the firebox for the discharge of water supplied to the body by said inlet necks.



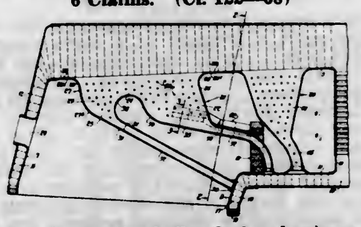
5. A thermic siphon including a flat hollow body, a relatively long straight, downwardly extending inlet neck for the rear end of said body and a relatively short curved, downwardly extending inlet neck for the front end of the body.

2,043,427

THERMIC SIPHON

Gust J. Christenson, Chicago, Ill., assignor to Locomotive Firebox Company, Chicago, Ill., a corporation of Delaware

Application July 8, 1935, Serial No. 30,289
6 Claims. (Cl. 122—68)



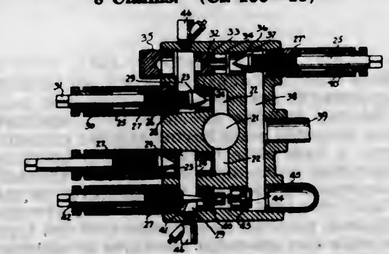
1. In a locomotive boiler firebox having a combustion chamber, a hollow water steaming and circulating wall including a flat hollow body opening at the top through the crown sheet of the firebox, an inlet neck for the rear end of said body and opening through a part of the firebox into the boiler water space of the boiler, a second inlet neck for the front end of the body and opening through the bottom of the combustion chamber, an upright fire wall in and extending transversely of the combustion chamber, and an arch supported at least in part by said body and the second mentioned inlet neck respectively and extending rearwardly from the fire wall.

2,043,428

CONTROL DEVICE FOR WELLS

Roy G. Cullen, Houston, Tex.

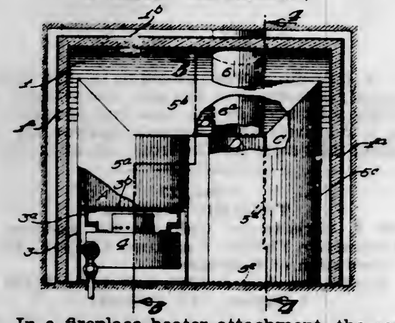
Application April 15, 1935, Serial No. 16,372
8 Claims. (Cl. 166—15)



1. A well head control including a well casing, a casing head thereon, a flow tubing extending

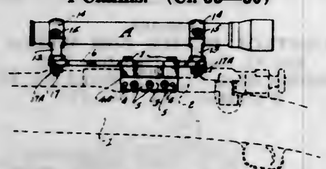
from said casing head, a housing adjacent the upper end of said tubing, a flow pipe from said housing, a plurality of passages in said housing from said tube to said flow pipe, two valves in each passage between said tube and pipe, and a choke device between said two valves.

2,043,429
FIREPLACE HEATER ATTACHMENT
Willie R. Dobbins, Bostonia, Calif.
Application January 31, 1934, Serial No. 709,108
8 Claims. (Cl. 126—121)



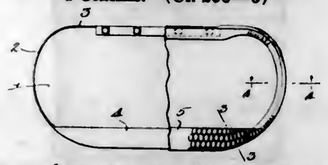
1. In a fireplace heater attachment, the combination with a fireplace of a stove structure mounted with its front side adjacent the front side of said fireplace comprising, an upwardly directed portion, a single laterally directed portion, a single downwardly directed portion and a second upwardly directed portion, all of said portions arranged sequentially in the order named to define a single continuous flue with its longitudinal axis substantially parallel with the front of the fireplace, the second upwardly directed portion being disposed between the first upwardly directed portion and the downwardly directed portion, a stack joining the second upwardly directed portion and extending upwardly beyond the stove structure into the chimney of said fireplace and extending upwardly beyond the stove structure between the ends thereof as defined by the first upwardly directed portion and the downwardly directed portion, and a burner means below the first upwardly directed portion.

2,043,430
TELESCOPIC GUNSIGHT MOUNTING
Harry V. Doe, Salem, Oreg.
Application May 6, 1935, Serial No. 19,971
4 Claims. (Cl. 33—50)



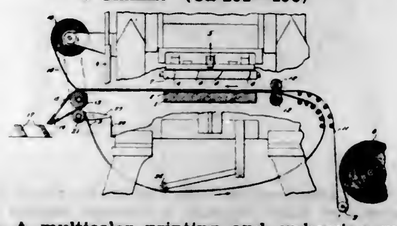
1. In a telescopic gunsight mounting, an angle base mounted to the receiver of a rifle, said angle base having a ledge provided with apertures forming threaded seats having tapered centering portions, a base plate having tapered apertures corresponding to the taper of said seats, threaded members passing through the apertures in said plate and threaded in such seats and provided with tapered portions cooperating with the taper of the seats and aforesaid apertures to maintain the plate firmly on the base, apertures forming tapered seats in said base plate and threaded sight supporting members provided with tapered portions seating in the last seats and lock nuts for holding them in such seats.

2,043,431
EYEGLASS CASE
Richard M. Dugdale, Dedham, Mass., assignor to Farrington Manufacturing Company, Boston, Mass., a corporation of Massachusetts
Application March 28, 1935, Serial No. 13,408
4 Claims. (Cl. 206—6)



1. An eyeglass case comprising a hollow bottom having at the front an interior lip meeting the end walls substantially in the plane of their upper edges, the end walls curving into conjunction with the front wall so that the ends of the lip gradually taper in width, and a covering of pliable sheet material having its edges folded inwardly over said lip and the end walls with the portion over said lip extending continuously over both the front edge and the curved end edges of the case without exposed edges of covering material at said curved edges.

2,043,432
PRINTING AND EMBOSSING
Carl A. Flood, Framingham, Mass., assignor to Dennison Manufacturing Company, Framingham, Mass., a corporation of Massachusetts
Application September 14, 1934, Serial No. 743,966
9 Claims. (Cl. 101—196)

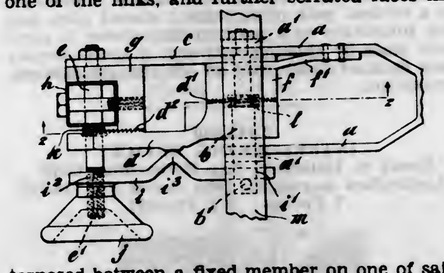


1. A multicolor printing and embossing machine comprising means including a series of dies for recurrently printing recurrent sections of a strip of material with different colors and cutting out the sections, means in advance of said series of dies for feeding the strip of material to the dies, and means beyond the series of dies for holding taut the portion of the strip between the last two means, said first means having more positive control over the strip than the second means whereby the rate of travel of the strip is determined solely by the first means.

2,043,433
BACK REST OR SUPPORT FOR A CHAIR, SEAT, OR THE LIKE
Archibald Horsfield Gabb, Bristol, England, assignor to The Tan-Sad Chair Company (1931) Limited, Birmingham, England, a British company
Application January 29, 1935, Serial No. 3,921
In Great Britain February 7, 1934
1 Claim. (Cl. 155—157)

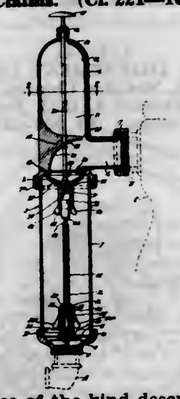
A backrest for a seat comprising in combination projections upon the rear of the seat frame,

a spindle spanning said projections, two links pivoted to the spindle, a further spindle spanning said links at their free extremities, a backrest post pivotally mounted upon the further spindle between the outer extremities of the links, means comprising interengaging serrated faces interposed between the backrest post and one of the links, and further serrated faces in-



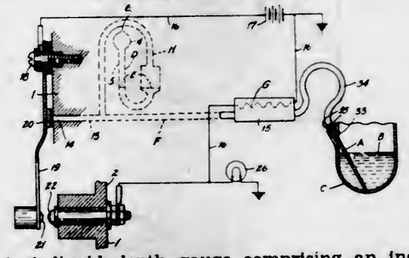
terposed between a fixed member on one of said projections around the first-mentioned spindle and one of said links, a pressure plate pivoted to one of said spindles for movement radially and transversely thereof and engaged with the further spindle, and a hand screw member upon said further spindle and a projection upon said pressure plate contacting one of the links.

2,043,434
TOILET FLUSHER
William F. Hagedorn, St. Louis, Mo.
Application December 3, 1934, Serial No. 755,707
4 Claims. (Cl. 221—101)



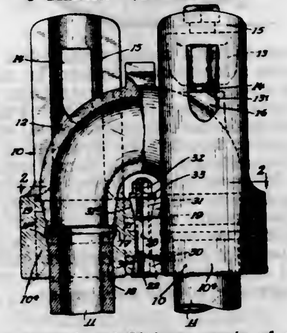
1. In a device of the kind described, a tubular casing having a water inlet at one end and a laterally opening water outlet some distance from the inlet, the other end portion of the casing being entirely closed except for a restricted opening communicating with the water outlet, a valve seat formed adjacent the outlet, a valve seated in the valve seat, a push rod slidably mounted in the casing and adapted to push the valve away from its seat in the direction of the inlet, a threaded stem mounted longitudinally in the casing from the inlet end to the valve and the said valve being slidably mounted on the stem, a shoulder formed on the stem adjacent the valve, latches pivoted on the valve and adapted when the valve is opened to engage the said shoulder and hold the valve in this position, and means operable upon the said threaded stem for automatically disengaging the said latches and reseating the valve.

2,043,435
LIQUID DEPTH GAUGE
Walter Hanrahan, St. Louis, Mo.
Application January 2, 1934, Serial No. 704,883
5 Claims. (Cl. 73—54)



1. A liquid depth gauge comprising an indicator, a hollow tube adapted for insertion into a body of liquid to be measured, a pressure line connecting said tube and said indicator, a heatable member in said pressure line, said pressure line having a by-pass opening and means for simultaneously closing said by-pass opening and causing said heatable member to be heated.

2,043,436
RETURN BEND FITTING
Clarence B. Harbison, Lima, Ohio, assignor to The Ohio Steel Foundry Company, Lima, Ohio, a corporation of Ohio
Application June 7, 1934, Serial No. 729,411
6 Claims. (Cl. 285—20)

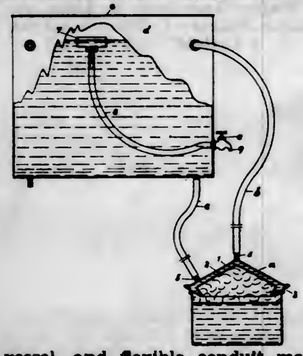


1. In a return bend fitting, a pair of separable housings having abutting faces provided with mutually interlocking means arranged to afford limited lateral movement of said housings relative to each other, and means for optionally forcing said housings to the limit of their permissible lateral movement so as to hold them in rigid relation with each other.

2,043,437
DEVICE FOR RECUPERATING HEAT IN COOKING FOODSTUFFS OR THE LIKE
Victor Hettinger, Selestat, France
Application April 18, 1935, Serial No. 17,023
In France April 27, 1934
1 Claim. (Cl. 126—344)

In a device for recuperating heat from a cooking vessel comprising a cover for said vessel, the cover consisting of an upper and lower conical wall in spaced relation and extending downwardly and outwardly from their apices, the free edges of said upper and lower walls being provided with oppositely extending flanges, a frusto-conical

member joining said flanges and extending downwardly and inwardly for engagement with the



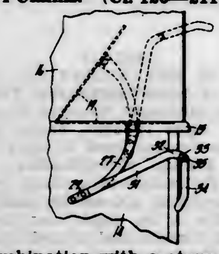
cooking vessel, and flexible conduit means for supplying cold water to and conducting heated water from the space between said walls.

2,043,438
STENCILING DEVICE
Selvar G. Johnson, Chicago, Ill.
Application December 23, 1931, Serial No. 582,706
13 Claims. (Cl. 101—125)



6. A stencil hand stamp comprising a hollow body having a foraminous bottom, an inking pad stretched across said foraminous bottom and having its edges clamped to the sides of said body, the clamping means comprising metal straps and screws passing through the straps and threaded into the sides of said body, a stencil sheet having openings for receiving the screws associated with one of said metal straps, a tension bar for fastening the opposite edge of the stencil sheet to the opposite side of the body, said tension bar having a bead for clamping the stencil sheet firmly against the inking pad, and screw means for applying pressure to said tension bar.

2,043,439
STOVE LID LIFTER
Samuel Klute, South Bend, Ind., assignor to The Malleable Steel Range Manufacturing Co., South Bend, Ind.
Application March 28, 1934, Serial No. 717,792
4 Claims. (Cl. 126—211)



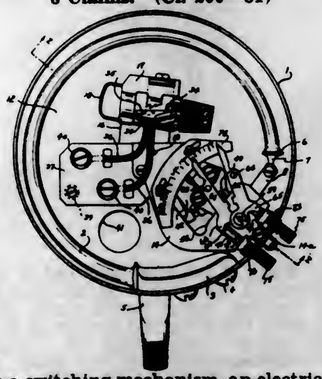
1. The combination with a stove comprising a cabinet, a top frame for said cabinet projecting outwardly of one side thereof and having a plate receiving opening therein, a plate pivotally mounted on said top to cover said opening, of a depending curved arm fixed to said plate in spaced relation to the pivot axis thereof and disposed below said top projection in spaced relation to said cabinet and a handle fixed to the free end of said arm and outwardly off-set therefrom whereby the free end of said handle is shiftable in a vertical path of movement spaced from said top projection to a position thereabove to pivot said plate by shifting said arm in said opening to a limit at which said off-set engages said top projection.

2,043,440
INTERLOCKING DEVICE
Henry S. Littlefield, San Bernardino, Calif.
Application August 17, 1934, Serial No. 740,262
7 Claims. (Cl. 72—19)



1. An interlocking device with a top, said top having a continuous apex and downwardly and outwardly inclined members, and sides, said sides terminating in a continuous apex and comprising said top members and downwardly and inwardly inclined members terminating in parallel legs, flanged base members, said base members being at right angles to said legs, and means in said top for the insertion of fastening means.

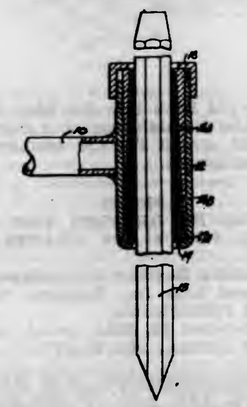
2,043,441
DOUBLE ADJUSTMENT CONTROL
Ira E. McCabe, Chicago, Ill.
Application February 8, 1935, Serial No. 5,613
8 Claims. (Cl. 200—81)



1. In a switching mechanism, an electric switch mounted upon a rotatable carrier plate, an expansible and contractible power element, and means transmitting movement of said power element to rotate said plate to open and close said switch including a switch operator plate, a floating pivot mounting one end of said operator plate the other end of the operator plate provided with a sliding pivotal connection with the switch carrier plate, a switch actuating link pivoted at one end upon the operator plate adjacent its floating pivot and at the other end upon the power element, and means for limiting the movement of the floating pivot, whereby movement of the said

element imparts movement to the floating pivot causing the operator plate to rotate until the movement of the floating pivot is limited and then cause the operator plate to rotate about the floating pivot and cause its sliding pivoted connection to rotate the carrier plate.

2,043,442
TOOL HOLDER
James E. McNeil, Memphis, Tenn.
Application March 21, 1935, Serial No. 12,159
6 Claims. (Cl. 81—1)



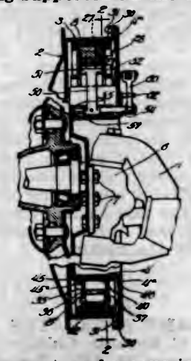
1. In a device of the character described, an elongated tool; a resilient sleeve disposed around said tool, means clamping said sleeve to said tool to resist displacement of said tool relative to said sleeve, and a holder including a handle and an annular socket secured thereto, said socket being adapted to receive said sleeve and having annular closure means at one end thereof adapted to prevent the endwise passage of said sleeve.

2,043,443
METHOD OF TREATING AND ROASTING COFFEE
George L. N. Meyer, Milwaukee, Wis.
No Drawing. Application February 8, 1933, Serial No. 655,765
3 Claims. (Cl. 99—68)

1. The method of preparing coffee beans which consists in a preliminary heat treatment of the raw bean to remove the arstingent constituents, without volatilizing the aromatic constituents, and in roasting the bean thus treated in sealed containers ready for delivery to the consumers whereby the aromatic constituents are retained therein.

2,043,444
BRAKE DEVICE
Harry A. Musham, Chicago, Ill.
Application December 22, 1930, Serial No. 503,898
Renewed November 27, 1935
14 Claims. (Cl. 188—78)

1. A brake for vehicles comprising a rotating drum, a stationary member including an integrally formed support having a radially extending flange and a cylindrical portion, the latter having its cylindrical surface interrupted by an inwardly extending recess, a plurality of brake shoes movable toward and from said drum and each including cam surfaces, a brake operating cage having means cooperating with said cam surfaces, said cage being supported on the cylindrical portion of said support, and means journaled in said recess for actuating said cage.

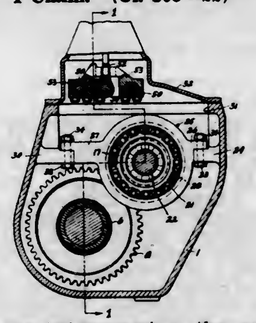


2,043,445
CONSTRUCTION MATERIAL AND STRUCTURE MADE THEREFROM
Leopold Oxhandler, Chicago, Ill.
Application February 27, 1933, Serial No. 658,683
8 Claims. (Cl. 72—16)



1. A panel adapted to form a section of a wall, comprising a slab-like fibrous body including parallel facing sheets and an interposed cellular core, and a frame of about the same thickness as the slab-like body following the edges of and fitting around said body, said frame and said body having interlocking portions to hold against displacement relatively to the frame in a direction transverse to the plane of the frame.

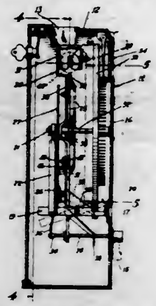
2,043,446
INTERMEDIATE BEARING FOR TRANSMISSION GEARING
Carl D. Peterson, Toledo, Ohio, assignor to Spicer Manufacturing Corporation, Toledo, Ohio, a corporation of Virginia
Application September 27, 1932, Serial No. 635,064
1 Claim. (Cl. 308—22)



In a transmission gearing, the combination with a gear box open at its top, and a gear set

in the gear box including driving and driven shafts mounted in axial alinement in opposite end walls of the housing and one having a pilot bearing in the other, a countershaft journalled in the end walls to below the level of the former shafts and coacting gearing on the shafts; of a self-contained intermediate bearing around the pilot bearing detachably mountable in the gear box through the open top thereof bridging from one side wall of the box to the other above the countershaft so that it and its supports are entirely off and spaced from the bottom of the gear box, and having supporting means detachably secured to the side walls of the gear box, and a cover for the box removable and replaceable independently of the bearing.

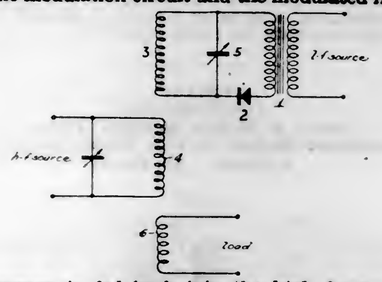
2,043,447
GAME APPARATUS
David C. Rockola, Chicago, Ill.
Application August 28, 1935, Serial No. 38,164
2 Claims. (Cl. 116—114)



1. In a game apparatus, the combination of: a cabinet having a sight opening provided therein; a tell-tale member movably mounted in said cabinet and having an indicium-bearing portion; a pendulum in said cabinet normally engaging the said tell-tale member and holding the same in position to dispose the said indicium-bearing portion thereof out of registration with said sight opening when the said cabinet is in its proper or normal operating position; said pendulum moving out of engagement with the said tell-tale member so that the said indicium-bearing portion thereof may move into registration with the said sight opening, if and when the said cabinet is moved or tilted from its normal or proper operating position; a disc rotatably mounted in the said cabinet and having a portion visible through the said sight opening; and means for rotating the said disc including a device for resetting the said tell-tale member and the said pendulum into engagement with each other.

2,043,448
MODULATING SYSTEM
Karl Schuchter, Innsbruck, Austria
Application December 4, 1933, Serial No. 700,904
In Austria January 16, 1933
6 Claims. (Cl. 179—171)

1. A modulation system for modulating high frequency currents comprising a high frequency source, a high frequency circuit containing a coupling coil, a low frequency source, a modulation circuit comprising a coupling coil and a rectifier for high frequency, the said coil and the rectifier being both arranged in series with the low frequency source, the two coupling coils being inductively coupled together, the coupling between the high frequency circuit and modulation circuit being such that the high frequency is fed to the modulation circuit and the modulated high



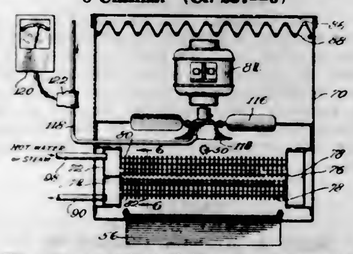
frequency is fed back into the high frequency circuit whereby the high frequency circuit serves as the output circuit for the modulated high frequency oscillations.

2,043,449
CRYSTALLINE DECORATION FOR PORCELAIN AND PORCELAIN ENAMELED ARTICLES
John M. Seasholtz, Reading, Pa., assignor to J. M. Seasholtz and Sons, Inc., Reading, Pa., a corporation of Pennsylvania
Application October 18, 1934, Serial No. 748,879
4 Claims. (Cl. 91—72)



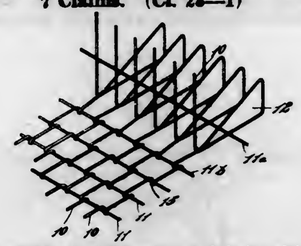
4. A glazed article having a random crystalline decoration formed by a congregation of crystal forming material colored and applied by heating the surface to infuse the design.

2,043,450
AIR CONDITIONING APPARATUS
Gordon H. Simmons, Milwaukee, Wis., assignor to William M. Devine, Chicago, Ill.
Application June 26, 1935, Serial No. 28,434
8 Claims. (Cl. 257—3)



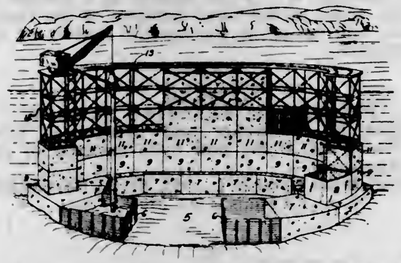
4. In an apparatus of the class described, the combination of a plurality of vertical headers, horizontal heat transfer tubes connecting said headers in series, means for circulating temperature changing medium through said tubes, a motor driven fan for forcing air past said tubes, a water spraying member secured to said fan, and means for supplying water to said member, said means including a humidostat controlled valve for regulating the quantity of water supplied to said spraying member.

2,043,451
FABRIC
Paul A. Sperry, New Haven, Conn.
Application July 11, 1932, Serial No. 621,801
7 Claims. (Cl. 28—1)



2. The method of forming a fabric which consists in providing loops in a series of warp threads, passing a filling thread through the loops, moving the filling thread to its final position by pulling on an unwoven portion of the warp threads in a selected direction and repeating the operation until the desired length of fabric is formed, and subsequently tensioning the warp threads to cause the warp threads to partially straighten their direction and the filling threads to be partially twisted about the warp threads.

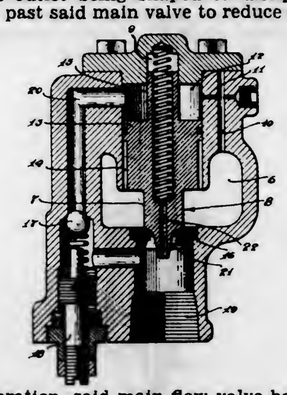
2,043,452
COMBINED COFFERDAM AND PIER FENDER CONSTRUCTION METHOD
Joseph B. Strauss, San Francisco, Calif.
Application July 18, 1934, Serial No. 735,853
2 Claims. (Cl. 61—52)



1. A method of forming a pier or cofferdam comprising excavating a footing, casting units in said footing in a substantially circular formation, said units being a fractional part of the completed structure, casting units superimposed upon said first units, mounting an open-work superstructure on said last mentioned units, and later embedding said superstructure in additional units of cast material.

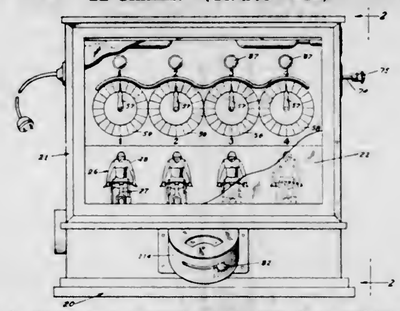
2,043,453
LIQUID RELIEF VALVE
Harry F. Vickers, Detroit, Mich.
Application July 23, 1931, Serial No. 552,692
7 Claims. (Cl. 137—53)

7. A relief valve for hydraulic systems, comprising a T-shaped housing having an exhaust outlet and a main flow conduit having inlet and outlet, a main flow valve positioned within the main flow conduit for controlling the communication between said main flow conduit and the exhaust outlet, and a pilot relief valve in communication with the normal pressure fluid existing in the main flow conduit for controlling the actuation of said main flow valve and the relief of liquid through the exhaust outlet, a portion of said main flow valve cooperating with said exhaust outlet being shaped to dissipate liquid flowing past said main valve to reduce chattering



and vibration, said main flow valve being hollow and provided with a conduit opening at the lower end thereof whereby to produce a partial vacuum within the hollow portion.

2,043,454
AMUSEMENT APPARATUS
Erich Thiel, Chicago, Ill., assignor to Rock-Ola Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application November 15, 1935, Serial No. 50,007
11 Claims. (Cl. 273—141)

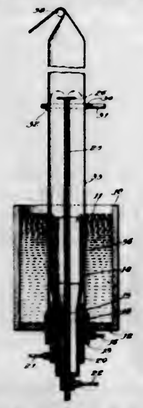


1. In an amusement apparatus, the combination of: a cabinet; a miniature racing device mounted in the said cabinet and having a racing character or rider thereon; means for rotating the wheels of said racing device; an indicia-bearing dial stationarily mounted in the said cabinet; an indicator movably mounted in said cabinet for movement over said dial; means for moving said indicator in one direction relative to and over said dial; and means, including a weight movably mounted in said cabinet for up and down movement, for resetting said indicator back into initial position in a direction opposite to the said first-named direction relative to and over said dial.

2,043,455
EXTRUSION APPARATUS
Julius Voss and Otto Schnecko, Wiesbaden-Biebrich, Germany, assignors to The Visking Corporation, a corporation of West Virginia
Application June 27, 1934, Serial No. 732,680
In Germany October 4, 1933
19 Claims. (Cl. 18—15)

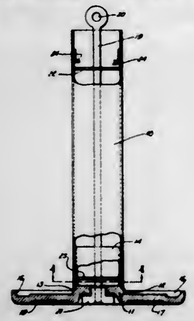
1. Apparatus of the kind described comprising a receptacle for holding a bath of precipitating

solution, means for extruding a compound in fluid form upwardly through and in a substantially vertical direction above said precipitating



solution to form a film thereof, and means above said bath for subjecting said film to additional precipitating solution while it continues to move upwardly from said bath.

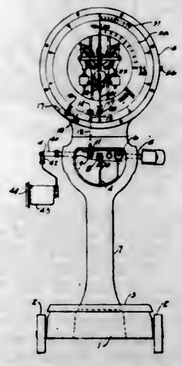
2,043,456
COMBINATION POT AND LOADING STAND
George S. Watrous, Jr., Derby, Conn.
Application June 4, 1935, Serial No. 24,829
16 Claims. (Cl. 263—47)



4. In a loading stand, a base, a centering sleeve independent of and extending vertically from the base, a lifting rod extending through the sleeve, means detachably connecting the rod to the base and adapted to be released by a turning movement relative to the base, and means whereby on the rod being lifted from the base the sleeve is carried with the rod.

2,043,457
CONCRETE AGGREGATE TESTING DEVICE
Mark A. Weckerly, Toledo, Ohio, assignor to Toledo Scale Manufacturing Company, Toledo, Ohio, a corporation of New Jersey
Application April 6, 1932, Serial No. 603,579
3 Claims. (Cl. 265—44)

2. In apparatus for determining characteristics of concrete aggregates, the combination of a sample receptacle of definite volume, automatic load-counterbalancing means, means for connecting said receptacle to said automatic load-counterbalancing means so that the load in said receptacle will be counterbalanced by said automatic load-counterbalancing means, and indicating means operatively connected to said automatic load-counterbalancing means, said indicating means including a relatively movalbe chart

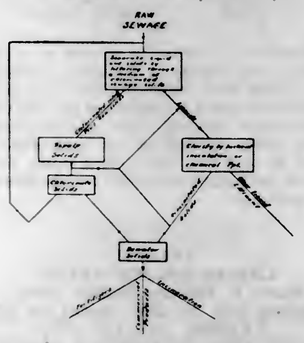


and indicator, said chart being marked with a series of indicia for indicating weights of samples to be used in testing for percentage of moisture, the indicia of said series being located according to the equation

$$S''+W''-\frac{S''}{\text{sp. gr.}}=3.250936$$

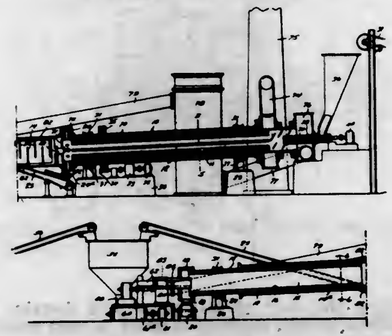
where S'' is the weight of surface dry sand in the sample, W'' is the weight of a volume of water equal to the total capacity of the receptacle, and sp. gr. is the specific gravity of the aggregate.

2,043,458
PROCESS OF TREATING SEWAGE
Clifton N. Windecker and Charles E. Lyon, Painesville, Ohio; said Lyon assignor to said Windecker
Application October 6, 1932, Serial No. 636,616
5 Claims. (Cl. 210—2)



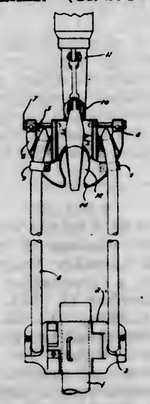
1. A method of treating sewage, which comprises forming a filter-bed of chlorinated sewage sludge, filtering raw sewage through such bed, re-pulping the obtained sludge, chlorinating this sludge, returning a portion of the chlorinated sludge to form the filter-bed afore-mentioned, dewatering, and disposing of the surplus sludge, clarifying the liquid, and discharging the clarified effluent.

2,043,459
SEWAGE DISPOSAL APPARATUS
Clifton N. Windecker, Painesville, Ohio
Application February 15, 1933, Serial No. 656,862
6 Claims. (Cl. 110—14)



1. An incinerator comprising, in combination, a cylinder, means for rotating the same, means for feeding wet sludge into said cylinder, outlet means for removal of dried sludge therefrom, means for mixing such dried sludge with fuel, a combustion chamber, means for feeding the mixture of dried sludge and fuel to said combustion chamber, and means for mixing heated gases from said combustion chamber with air and passing the gaseous mixture through said cylinder, said cylinder being formed with passage means for conducting a major portion of said gaseous mixture in heating relation to wet sludge therein but out of actual contact therewith.

2,043,460
ELEVATOR YOKE
Forrest J. Young, Los Angeles, Calif., assignor, by mesne assignments, to The National Superior Company, Toledo, Ohio, a corporation of Delaware
Application November 7, 1933, Serial No. 696,973
8 Claims. (Cl. 294—86)



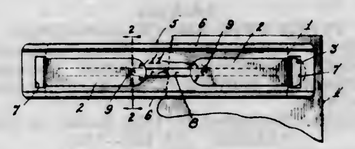
1. In a hook and elevator connecter, including the combination of a yoke adapted to be supported by a hook, spaced ball receiving notches in said yoke, means extending from said yoke on opposite sides of the hook to provide a stop in co-operation with the hook to limit the pivotal movement of said yoke incidental to its equalizing action.

2,043,461
CIRCUIT CONTROLLING SYSTEM
Milford C. Phillips, North Hollywood, and Vernon Havenner, Bell, Calif.
Application January 16, 1935, Serial No. 2,132
1 Claim. (Cl. 200—90)



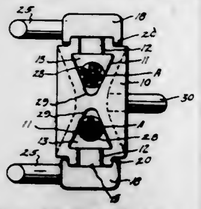
Circuit controlling means comprising an electromagnet, an armature and means by which it is pivoted at one end adjacently to the electromagnet, said armature having an arm near said end, adjusting means by which to confine the opposite and free end of the armature to a predetermined amplitude of movement with respect to the magnet core, an insulating tube attached to the arm, said tube containing a bridging mass of conductive material and the contacts of an electrical circuit which embraces the electromagnet, said tube being initially pitched in one direction to enable said mass to gravitate toward said contacts to close the circuit, the attraction of the armature by energization of the electromagnet causing the arm and tube to tilt in the opposite direction so that said mass gravitates from the contacts to open the circuit, a panel on which the electromagnet and its coacting parts are mounted, and a support with respect to which the panel is tiltably adjustable to vary the pitch of the tube and the velocity of said mass without changing the amplitude of movement of the armature.

2,043,462
FASTENER
Daniel A. Brennan, Chicago, Ill.
Application March 3, 1930, Serial No. 432,800
40 Claims. (Cl. 24—153)



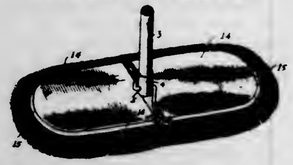
1. A fastener having, in combination, a compressor, a base provided with spaced prongs, one of said prongs being adapted to extend through an opening in said compressor and then be held bent over substantially parallel to the plane of said compressor, a projection on the other prong, and means in the compressor adapted to engage said projection to hold said prong in bent over position against said compressor.

2,043,463
CABLE OR WIRE LINE CLAMP
Stephen Bullum, Overton, Tex., assignor of three-fourths to A. D. Gaston, Austin, Tex., and one-fourth to Bullum, Incorporated, Austin, Tex.
Application August 19, 1932, Serial No. 685,796
4 Claims. (Cl. 24—136)



4. A rod or line clamp including, an elongated body having end faces, said body being provided with a longitudinal tapered channel extending through the end faces, said channel being of triangular cross section throughout its length, whereby the rod or cable in the channel is engaged at two spaced points on its surface, a tapered key shaped to conform with said channel and slidable therein engaging the rod or cable for forcing it into contact with the side walls of the channel and wedging it therein, whereby said rod or cable is securely clamped, and means for moving said key longitudinally of said channel to wedge and release the rod or cable therein.

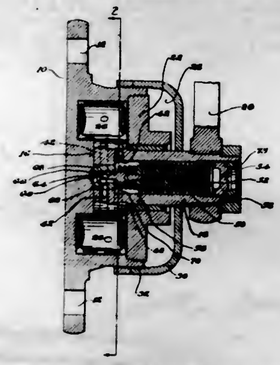
2,043,464
CLEANING IMPLEMENT
John S. Claxon, Muncie, Ind.
Application April 19, 1935, Serial No. 17,311
2 Claims. (Cl. 306—19)



1. In an implement of the kind described, in combination, a stick having a transverse bore in its one end, an open frame provided with opposed apertures, a rod whose central portion is journaled in the bore of said stick and whose body portions are brought about to axial alignment substantially at right angle to the said bore, and whose ends are journaled in the said apertures.

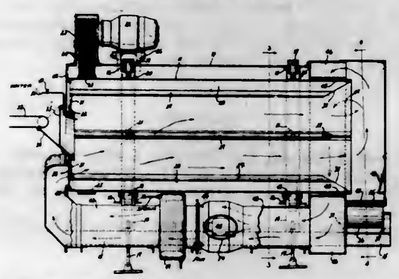
2,043,465
FLUID TYPE SHOCK ABSORBER
Walter B. Clifford, Boston, Mass., assignor, by mesne assignments, to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application December 17, 1931, Serial No. 581,538
2 Claims. (Cl. 188—100)

1. In a thermostatically controlled valve mechanism for use in hydraulic shock absorbers comprising a valve chamber connected by ports with the high and low pressure chambers at opposite sides of the piston of a hydraulic shock absorber, a cylindrical valve slidable in said chamber and having intermediate its ends a circumferential channel of varying depth for spanning said ports for the variable flow of fluid from one port to the other, and means under control of the temperature of the liquid in said shock absorber for con-



trolling the shift of said valve and thereby the location of said channel relative to said ports.

2,043,466
METHOD OF CONDITIONING FABRIC ARTICLES
Forrest J. Couch, Rochester, N. Y., assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application June 12, 1933, Serial No. 675,417
4 Claims. (Cl. 68—11)

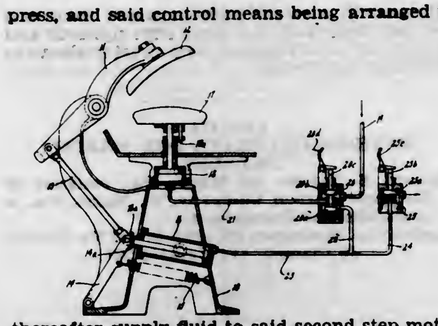


1. The method of conditioning laundry goods between extracting and ironing, comprising tumbling the goods to shake out the wrinkles therein, and simultaneously circulating and recirculating air through the tumbled clothes, while retaining all of the moisture from the clothes in the circulating air and adding heat to the air.

2,043,467
CONTROL FOR PRESSING MACHINES
James M. Dewey, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application September 23, 1935, Serial No. 41,702
14 Claims. (Cl. 68—9)

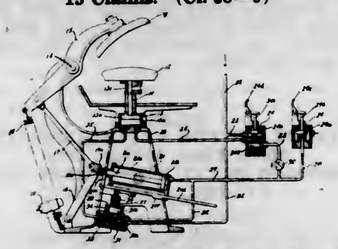
1. In a pressing machine, a pair of coacting pressing members, means for causing relative movement between said members in two steps, a first step into preliminary closed position and a second step into final closed position, two fluid motors, one for causing each step of said operation, and control means for said motors including means for storing fluid under pressure in said second step causing motor when said pressing machine is open, said control means also including means for conducting said stored fluid to said first step causing motor to preliminarily close said

press, and said control means being arranged to



thereafter supply fluid to said second step motor to finally close said press.

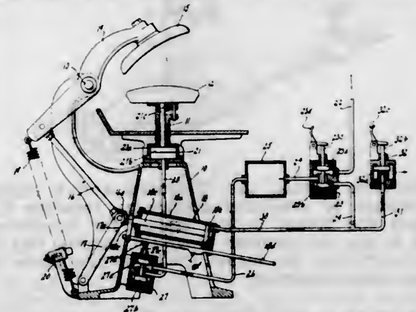
2,043,468
CONTROL FOR PRESSING MACHINES
James M. Dewey, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application October 12, 1935, Serial No. 44,722
15 Claims. (Cl. 68—9)



1. In a pressing machine, a pair of coacting pressing members, means for causing relative movement between said members in two steps, a first step into preliminary closed position and a second step into final closed position, two fluid motors, one for causing each step of said operation, and control means for said motors including means for storing fluid under pressure in said second step causing motor when said pressing machine is open, said control means also including means for conducting said stored fluid to said first step causing motor to preliminarily close said press, said control means being arranged to thereafter supply fluid to said second step motor to finally close said press, an additional supply of motive fluid for said first step causing motor, normally closed valve means for controlling flow of fluid from said supply to said first step causing motor, and means for opening said valve means upon predetermined closing movement of said first step causing motor.

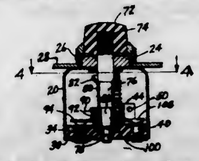
2,043,469
CONTROL FOR PRESSING MACHINES
James M. Dewey, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application October 15, 1935, Serial No. 45,117
15 Claims. (Cl. 68—9)

1. In a pressing machine, a pair of coacting pressing members, means for causing relative movement between said members in two steps, a first step into preliminary closed position and a second step into final closed position, two fluid motors, one for causing each step of said operation, and control means for said motors including means for storing fluid under pressure in said second step causing motor when said pressing machine is open, said control means also including means for conducting said stored fluid to said first step causing motor to preliminarily



close said press, said control means being arranged to thereafter supply fluid to said second step motor to finally close said press, normally closed valve means for exhausting said second step causing motor, and means for opening and closing said valve means upon predetermined closing movement of said first step causing motor.

2,043,470
SWITCH WITH AUTOMATIC RELEASE
John B. Dyer, Pendleton, and William C. Edwards, Anderson, Ind., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 14, 1934, Serial No. 725,418
15 Claims. (Cl. 200—122)

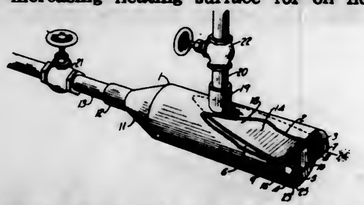


9. In a switch of the class described, the combination comprising, a terminal support, a plurality of circuit terminals carried by the support, a bridging contact, a controller depressible and rotatable so as to move the bridging contact into engagement with desired ones of the circuit terminals, and means carried by the terminal support for maintaining the bridging member in engagement with the circuit terminals throughout a predetermined period of time, said means comprising, a bi-metal latch and a cooperable detent carried by the controller, a heater wire disposed about the bi-metal latch and in electrical communication with one of the circuit terminals, and means supported from the terminal base for varying the latching relation.

2,043,471
FUEL OIL BURNER
Pat Duncan, Gladewater, Tex.
Application September 17, 1934, Serial No. 744,334
2 Claims. (Cl. 158—75)
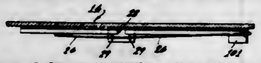
1. An oil burner including a cylindrical housing having a steam outlet in an end thereof and having an offset portion above the steam outlet provided with a downwardly opening oil outlet, an inclined partition extending from the cylin-

drical wall portion of the housing to the end thereof having said outlets to divide the housing into an oil chamber of gradually increasing width toward the oil outlet to provide a gradually increasing heating surface for oil flowing



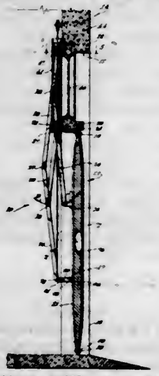
thereover toward the oil outlet and a steam chamber of gradually decreasing capacity toward the steam outlet, means for admitting oil to the oil chamber above the narrow end of the partition, and means for admitting steam to the steam chamber.

2,043,472
CLOSURE
Wesley W. Eager and Columbus A. Tierney, Los Angeles, Calif.
Application July 5, 1932, Serial No. 620,884
5 Claims. (Cl. 20—16)



3. In a panel frame of the character described, a truss comprising spaced chords and web members interconnecting said chords, and means reinforcing said chords against flexure out of the plane of said truss, said reinforcing means comprising means cooperating with each of said chords to define another truss the plane of which is disposed angularly with respect to that of said first mentioned truss.

2,043,473
DOOR MOUNTING
Wesley W. Eager, Los Angeles, and Columbus A. Tierney, San Marino, Calif.
Application April 27, 1933, Serial No. 668,196
14 Claims. (Cl. 20—16)



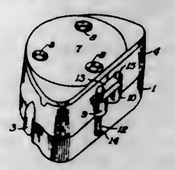
1. In combination with a movably mounted closure disposed in a substantially vertical plane when closed, means for guiding said closure into elevated position in a plane inclining outwards and downwards, said guiding means being adapted to guide the upper edge of said closure in a substantially straight path outwards from said vertical plane and the lower edge upwards and inwards in a curved path to a greater elevation than said upper edge.

2,043,474
METHOD AND BLANK FOR MAKING BRUSHES
Howard B. Eynon, St. Marys, Pa., assignor to Stackpole Carbon Company, St. Marys, Pa., a corporation of Pennsylvania
Application September 27, 1934, Serial No. 745,665
10 Claims. (Cl. 29—155.53)



1. A method of forming a brush which comprises the steps of forming a plurality of projecting ears which define a slot in the top of the brush, placing a piece of solder in said slot, inserting a cable in engagement with said solder in said slot, and compressing the ears about the cable and the solder.

2,043,475
DENTAL FLASK FOR VULCANIZING TEETH
Albert Field, Dayton, Ohio
Application May 13, 1935, Serial No. 21,159
4 Claims. (Cl. 18—33)

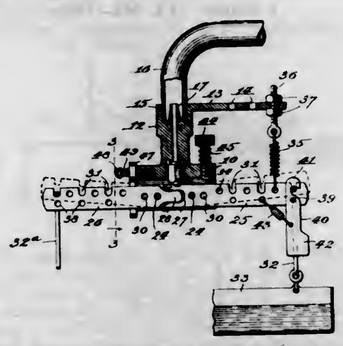


1. A vulcanizing flask of the type described, comprising a bottom section, a split, expansible second section removably applied to the bottom section, said second section being of one piece, resilient material normally in expanded position, a removable cover applied to the second section, and wedge pin means for drawing the free ends of the second section together during the assembly of said flask, and for releasing said ends to permit the second section to expand for removal from the bottom section without injury to the vulcanized object after the vulcanizing operation has been completed.

2,043,476
CARBOXYLATES OF ALIPHATIC ALCOHOLS WITH NON-AROMATIC SULPHONIC CARBOXYLIC ACIDS
Fritz Guenther, Johannes Conrad, and Karl Saftien, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application August 17, 1931, Serial No. 557,740. In Germany September 1, 1930
8 Claims. (Cl. 260—106)

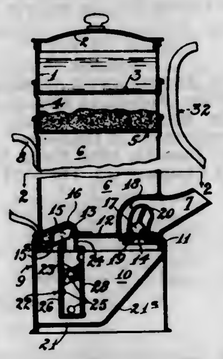
1. Carboxylates of aliphatic alcohols with aliphatic alpha-sulphonic carboxylic acids containing at least 8 carbon atoms.

2,043,477
AUTOMATIC POULTRY FOUNTAIN VALVE
John Imschweiler, Inglewood, Calif.
Application December 14, 1932, Serial No. 647,081
8 Claims. (Cl. 251—134)



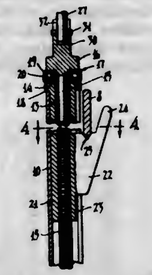
1. In an automatic poultry fountain valve, a valve housing having a duct, a valve for controlling the flow of water through said duct, a pair of interchangeable levers fulcrumed on said valve housing below said valve, one of which levers engages said valve, the inner ends of said levers having interengagement with each other and trough supporting members each adapted to be adjustably mounted on one of said levers and to hang suspended therefrom.

2,043,478
LIQUID DISPENSER
Abraham Fine, Pittsburgh, Pa.
Application March 16, 1935, Serial No. 11,475
10 Claims. (Cl. 221—98)



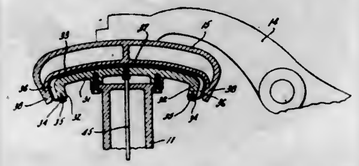
1. In a liquid dispensing device, a container for storing the fluid having an integral bottom; a base for said container; means to removably secure the base to the container; a fluid measuring chamber positioned in said base; a spout positioned on the container; an inlet port positioned in said bottom to establish communication between the container and the measuring chamber; an outlet port also positioned in the bottom and connecting the measuring chamber with said spout, and valves for said inlet and outlet ports arranged in reverse operative relation.

2,043,479
LIFTING JACK
George H. Greiman, Garner, Iowa
Application May 15, 1935, Serial No. 21,558
1 Claim. (Cl. 254—100)



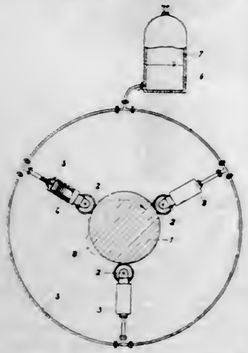
In a lifting jack a tubular column adapted to be supported on its lower end, said column having a longitudinal slot at one side only, a nut-acting sleeve working within said tubular column and having a lifting lug projecting through the slot of said column, a thrust bearing mounted at the upper end of said column, a screw rod supported for slight swinging movement from the upper end of said column by said thrust bearing with its lower portion working with threaded engagement through said nut-acting sleeve within the column, the nut-acting sleeve being freely suspended on said screw rod and the lower portion of said screw rod being free for slight lateral movement, and means to rotate said screw rod in said thrust bearing, whereby under the weight of a load on said lifting lug said sleeve will be pressed against the interior of said tubular column at a point diametrically opposite the slot thereof.

2,043,480
PRESSING MACHINE AND MAINTAINING MEANS
George W. Johnson, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application July 18, 1934, Serial No. 735,801
7 Claims. (Cl. 68—9)



1. In a press of the class described, the combination of a pair of coacting head and bed pressing members each having a central pressing portion and depending side pressing portions, means for causing relative approach of said members into pressing position, the depending side pressing portions of said head member being inclined toward the longitudinal vertical medial plane of said bed member, a flexible cover member secured to said bed member and enclosing said side pressing portions thereof, and fluid pressure means operable when said pressing members are in pressing position to distend said cover member into engagement with the side pressing portions of said head member, whereby when said cover member is distended the pressing members will be locked together.

2,043,481
METHOD OF AND APPARATUS FOR SECURING PROPELLER BLADES IN THE HUB
Reinhard Krisslep, Frankfort-on-the-Main, and Werner Linicus, Duesseldorf, Germany, assignors to American Lurgi Corporation, New York, N. Y., a corporation of New York
Application September 20, 1934, Serial No. 744,852
In Germany September 23, 1933
17 Claims. (Cl. 29—90)



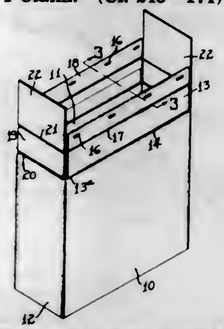
15. The method of consolidating the working area of surface of the shank of a metal aeronautical propeller and of equalizing strains in said consolidated area which comprises producing a finished propeller, and subsequently subjecting a working area on the surface of the shank of the said finished propeller to uniform work to impart thereto a substantially uniformly dense and hard outer skin.

2,043,482
BOARD GAME APPARATUS
Oswald B. Lord, New York, N. Y., assignor to Parker Brothers, Inc., Salem, Mass., a corporation of Maine
Application March 3, 1936, Serial No. 66,827
9 Claims. (Cl. 273—135)



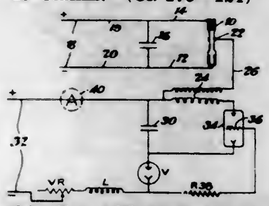
3. In a board game apparatus, a board acting as a playing field, said playing field being marked to represent a country wherein an election is to be held to choose the political head thereof, said country being also marked to indicate different main political divisions or main areas thereof, each said main political division or main area of such country having a series of arbitrary indications each signifying a portion of such division or area; and a series of markers for each player and which are differentiated for the different players and adapted to be placed on said indications; each of said indications being of an extent to receive markers of a plurality of players according to chance determining means.

2,043,483
DISPLAY STAND
Harold E. Lynch, Toledo, Ohio, assignor to The Ottawa River Paper Company, Toledo, Ohio, a corporation of Ohio
Application January 25, 1935, Serial No. 3,491
1 Claim. (Cl. 248—174)



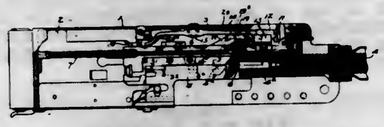
A collapsible display case comprising, a body having a plurality of side walls foldably connected together, a flap on at least one of said walls, said flap being doubled upon itself with the free end thereof extending a substantial distance from the folded marginal edge, one or more fasteners in said folded flap adjacent the folded marginal edge thereof, fold lines on said flap extending horizontally thereof in each folded portion and in register with each other and disposed between said fasteners and the body and the free marginal edge, the free marginal edge portion of said flap being folded along the adjacent fold lines and abutting against the inside of the body but being free to move relatively thereto, said folded marginal edge portion extending at substantially right angles to said body thereby providing a supporting ledge, and another flap foldably connected to the body and adapted to be folded upon said ledge, said flaps being foldable outwardly to enable the side walls to be collapsed.

2,043,484
VARIABLE FREQUENCY STROBOSCOPE
Benjamin Miller, Richmond Hill, N. Y., assignor to Doherty Research Company, New York, N. Y., a corporation of Delaware
Application June 15, 1934, Serial No. 730,741
19 Claims. (Cl. 176—124)



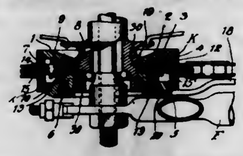
1. In combination with apparatus for producing electrical energy flashes of the type in which a condenser is periodically discharged through a gaseous conductor lamp, means for initiating discharge of the condenser at selected intervals consisting of a static inverter for producing electrical impulses at a controlled rate, said inverter comprising a gaseous discharge device connected in circuit with a source of potential and with means for varying the impulse rate comprising a variable impedance, and means for conveying such impulses to the flash producing apparatus.

2,043,485
EJECTOR GUIDE FOR AUTOMATIC MACHINE GUNS
Frederick T. Moore, West Hartford, Conn., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn., a corporation of Connecticut
Application September 21, 1935, Serial No. 41,534
5 Claims. (Cl. 89—33)



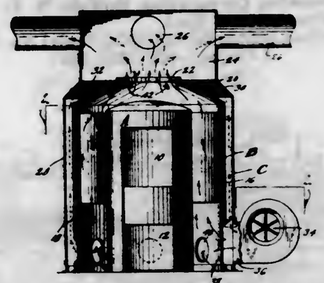
1. In an automatic machine gun comprising a barrel and barrel extension, a reciprocable breech bolt having a vertical groove for retaining the rear portion of a cartridge shell, mechanism for feeding a cartridge belt transversely, an extractor carried by the breech bolt and adapted to withdraw a cartridge from the belt as the breech bolt moves rearward upon recoil, means operative during recoil for relatively moving the extractor to transfer the said cartridge downward into the groove in the bolt and into alignment with the chamber of the barrel, and a downward extending ejector carried by the extractor and yieldably held so as to be capable of lateral movement, the said ejector as it moves downward serving to eject the empty cartridge shell and the said ejector as it subsequently moves upward yielding laterally to pass by the live cartridge in alignment with the chamber, the combination with the aforesaid parts, of a guide on the barrel extension serving to prevent lateral yielding of the ejector during ejection and so positioned as to leave the ejector free for lateral yielding during subsequent upward movement.

2,043,486
FREEWHEEL MECHANISM AND BACK PEDAL BRAKE
Erich Müller, Berlin-Spandau, Germany
Application December 5, 1932, Serial No. 645,782
In Germany January 10, 1931
18 Claims. (Cl. 192—6)



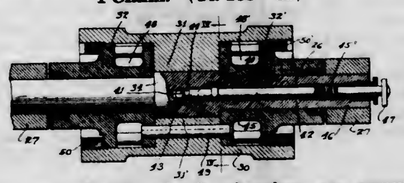
1. Free-wheel mechanism with back pedalling brake, comprising a driving wheel and a driven wheel, a braking surface on said driven wheel, independent braking and clutching means freely mounted between said driving wheel and said braking surface, and control cams provided on said driving wheel itself and acting directly upon said braking or clutching means and adapted to act either upon said clutching means to produce a driving connection between the driving wheel and the driven wheel or upon said braking means to produce a braking action, any and all controlling cams for producing either one of said actions being provided on the driving wheel itself.

2,043,487
VENTILATED FURNACE CASING CONSTRUCTION
John W. Norris, Marshalltown, Iowa, assignor to Lennox Furnace Company, Marshalltown, Iowa, a corporation
Application March 12, 1934, Serial No. 715,120
2 Claims. (Cl. 126—110)



1. In a furnace construction, a furnace body, an inner casing therearound and spaced therefrom, a plenum chamber above said inner casing, the upper portion of said inner casing being restricted before communicating with said plenum chamber, the restricted portion being pitched upwardly and inwardly, an outer casing surrounding said inner casing and spaced therefrom, a cold air inlet connected with said outer casing adjacent the bottom thereof, an opening in said inner casing arranged in registry with said cold air inlet, a series of openings in said inner casing adjacent the bottom thereof for admitting air from between the inner casing and the furnace body to the space between the inner casing and the outer casing and restricted openings in the pitched portion of said inner casing in the restricted portion thereof to induce mainly by venturi action, flow of air from between said inner casing and said outer casing to the space within said inner casing after such air travels up through the space between said inner casing and said outer casing from the bottom to the top thereof.

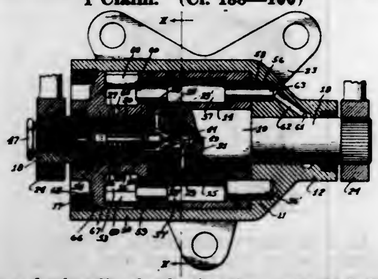
2,043,488
HYDRAULIC SHOCK ABSORBER
Ralph F. Peo, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application January 13, 1934, Serial No. 706,487
1 Claim. (Cl. 188—89)



In a hydraulic shock absorber, an annular body wall, end wall structures within the ends of said annular wall forming therewith a hydraulic working chamber, a shaft extending through and journalled at its ends in said end walls and having a piston vane operable in said working chamber to displace hydraulic fluids therein, a valve within said shaft for controlling the flow of the fluid displaced by said piston vane when said shaft oscillates, said valve being adjustable from the end of said shaft, and a fluid reservoir formed in each of said end walls and

being entirely within said annular wall, means interconnecting said reservoirs, and means connecting said reservoirs with said working chamber.

2,043,489
HYDRAULIC SHOCK ABSORBER
Ralph F. Peo, Buffalo, N. Y., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application September 22, 1934, Serial No. 745,047
1 Claim. (Cl. 188—100)



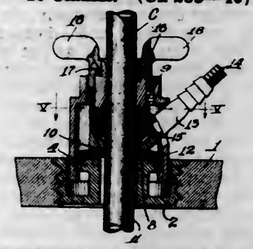
In a hydraulic shock absorber, means defining a passageway for the flow of displaced fluid, a seat member interposed in said passageway and having a frusto-conical opening therethrough, a cylindrical valve plug extending through said opening and arranged to move axially therein, said plug being of less diameter than the apex of said opening whereby to leave an annular orifice for which said opening apex provides a surrounding edge, said plug at its outer end being beveled, yielding means tending to hold said valve plug with its cylindrical end in said opening, excess pressure against said valve plug tending to shift it inwardly to expose its beveled end to said opening for increasing the size of said opening to thereby relieve the excess pressure, said beveled end causing a lateral pressure component against said plug whereby said plug will be held against one side of said opening and chattering thereof prevented.

2,043,490
OVERHEAD DOOR CONSTRUCTION
Will D. Redrup, Huntington, Ind., assignor to The Majestic Company, Huntington, Ind., a corporation
Application January 14, 1933, Serial No. 651,789
3 Claims. (Cl. 20—20)



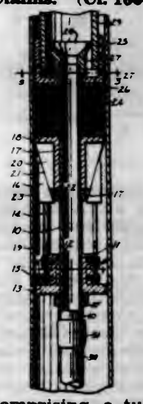
1. In a sectional door having a plurality of door sections hingedly connected end to end and adapted for movement into an overhead position to expose a door opening, a counterbalancing system at a side of the door including a single cable or the like connected at opposite ends to the same side of door, a pair of overhead pulleys stationarily mounted on the door frame or the like adjacent the opening each associated with said cable, a plurality of counterbalances, and a floating pulley operatively associated with said cable between the first mentioned pair of pulleys, said floating pulley constituting an anchorage for one end of one of the counterbalances, the other counterbalance having a relatively fixed connection with said cable between said first mentioned pair of pulleys.

2,043,491
TAP FOR BARRELS
Frank E. Rice, Detroit, Mich., assignor to American Tap Bush Company, Detroit, Mich., a corporation of Michigan
Application June 29, 1934, Serial No. 732,967
10 Claims. (Cl. 285—40)



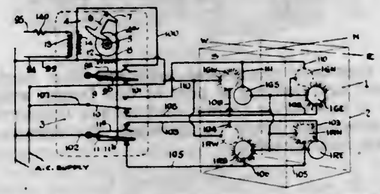
1. A beer barrel tap comprising a two part structure, one part adapted to receive and envelop the other part, said other part being provided with means forming a seat for a rod washer and for receiving a rod washer, a rod washer within said other part, said one part adapted for connection to a tap bush, and a nut inserted in engagement with said one part and having a follower adapted to enter said other part to center it and to engage and compress the rod washer about a pump rod inserted in said tap.

2,043,492
WELL PACKER
Joseph H. Reynolds, Cisco, Tex.
Application February 4, 1935, Serial No. 4,772
10 Claims. (Cl. 166—10)



1. A packer comprising, a tubular mandrel, a supporting ring on said mandrel, a slip head surrounding said mandrel and resting on said ring, a second supporting ring near the lower end of the mandrel, a slip supporting collar slidable on the mandrel and resting on said ring, slips carried by the collar engaged by the head for lateral displacement thereby to move the slips into gripping engagement with the casing, a flexible packing collar above the head, and a box above the packing collar secured to the mandrel, whereby the weight of the mandrel is on the box and packing collar.

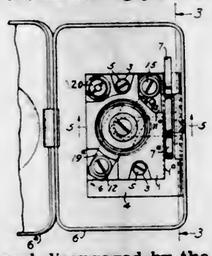
2,043,493
SIGNALING SYSTEM
Oscar A. Ross, New York, N. Y.
Application June 25, 1927, Serial No. 201,390
13 Claims. (Cl. 177—337)



12. In a signaling system, stop and go signals at the intersection of two roadways, a two position polarized relay, circuit controllers operated thereby movable between oppositely energized fixed contacting positions alternately and sequentially with movement through an energized operating contacting position upon reversing polarity of energy flow to the relay, means including a source of energy and contacts engaging the circuit controllers for producing, (1) display of one code of stop and go signals to the roadways when the circuit controllers are positioned in one energized fixed position, (2) display of another code of stop and go signals thereto when the circuit controllers are positioned in the opposite energized fixed contacting position, and (3) display of a code of stop signals to both the roadways during the interval the circuit controllers are moving through the energized operating contacting position, means producing a predetermined time interval of movement of the circuit controller from one energized fixed contacting position to the other, and means including a polarized source of energy connected to the relay for periodically reversing the polarity of the energy flow therebetween for maintaining the relay in one fixed energized contacting position when the energy flows therethrough in one direction and maintaining the relay in the other fixed energized position when the energy flows therethrough in the opposite direction.

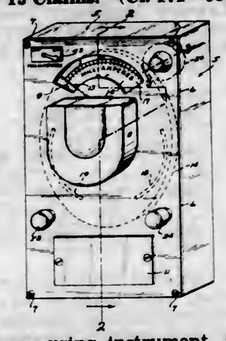
2,043,494
ELECTRICAL CIRCUIT CONTROLLING APPLIANCE
Joseph Sachs, West Hartford, Conn.
Application December 13, 1933, Serial No. 702,172
Renewed August 14, 1935
15 Claims. (Cl. 200—114)

2. In a device of the class described, the combination of an enclosing casing having an openable front cover, an insulating base in the casing connected to the rear wall thereof, fuse contacts on the base accessible from the front thereof and positioned closely adjacent a surface of the base perpendicular to the said rear casing wall, a flat insulating plate immediately adjacent the said perpendicular surface of the base and movable in parallelism therewith, a movable conducting element carried by the insulating plate and having contact faces adjacent the opposite faces thereof, inner and outer stationary switch contacts on the base respectively adjacent the opposite faces of the insulating plate and adapted to



be engaged and disengaged by the movable conducting element, the inner contact having its contact surface closely adjacent the said perpendicular surface of the base, and a handle rigidly connected with the movable insulating plate and projecting through a slot in the cover of the casing.

2,043,495
ELECTRICAL MEASURING INSTRUMENT
Winston D. Sanger, Minneapolis, Minn.
Application August 11, 1932, Serial No. 628,330
13 Claims. (Cl. 171—95)



1. In a measuring instrument, a meter having a pivoted indicating element, a scale-carrying element provided with a plurality of segmental scales arranged in circumferentially spaced relation thereabout, the axes of the several segmental scales and the axis of the meter's indicating element being spaced equi-distant from the axis of the scale-carrying element, and means for rotatively moving one of said elements in respect to the other thereof on an axis concentric to that of the scale-carrying element to thereby bring the scales successively into concentric relation to the axis of the pivoted indicating element.

2,043,496
EVAPORATOR FOR REFRIGERATION SYSTEMS
Albert E. Schneider, Carter Lake, Iowa, assignor to Baker Ice Machine Co. Inc., Omaha, Nebr., a corporation of Nebraska
Application September 19, 1932, Serial No. 633,710
4 Claims. (Cl. 62—126)

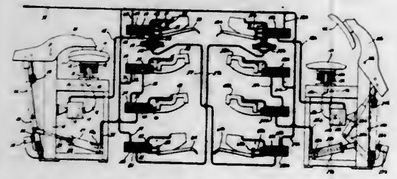
4. An evaporator including a rectangular-shaped plate member having a plurality of spaced vertical and horizontal rows of cylindrical bosses

stamped from the body portion thereof, a flat complementary plate member engaging against said bosses and cooperating with said first named plate member to form closed vertical and horizontal refrigerant passageways around said bosses, fastening devices extending through said



bosses and said last named plate member to secure the plate members together, and a header member extending along the upper edge of said plate members and having a refrigerant inlet at one end and a refrigerant outlet at the other to retain said passageways full of refrigerant.

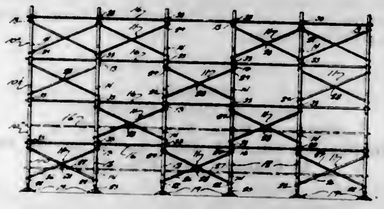
2,043,497
TANDEM CONTROL FOR PRESSES
John P. Singiser, Chicago, Ill., assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application July 22, 1935, Serial No. 32,563
4 Claims. (Cl. 68—9)



1. A pair of pressing machines arranged for tandem operation, each machine having a pair of coacting relatively movable pressing members, power means at each machine for relatively moving said members from open to preliminary closed position, power means at each machine for relatively moving the members thereof into final closed position, each machine having control means for said first named power means including two safety manuals spaced for simultaneous operation by the two hands of an operator, each machine having a control member for said second named power means grouped with one of said safety manuals for operation by one hand of the operator, and means for moving said control member of each machine in press-opening direction including an actuator grouped with the other safety manual of the other machine.

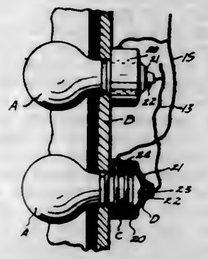
2,043,498
SCAFFOLD
Reinhold A. Uecker, Wauwatosa, Wis., assignor, by mesne assignments, to Uecker Equipment Company, Wauwatosa, Wis., a corporation of Wisconsin
Application June 16, 1934, Serial No. 730,933
18 Claims. (Cl. 304—2)

12. In a sectional scaffold of the type adapted to be increased in height by the addition of sections thereto, a section comprising, a pair of end frames spaced from each other, each end frame including a horizontal member adapted to support scaffold planking, and a vertical post integrally joined to each end of said member, said end frames being formed to secure a second section superimposed thereon, a cross brace comprising



two members connected adjacent the centers thereof and joining a post of one frame with a post of the other frame, and means connecting the other two posts to maintain the frames in spaced relationship.

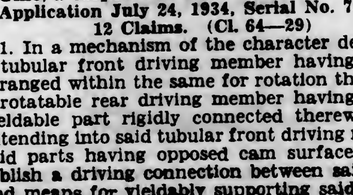
2,043,499
ELECTRIC SOCKET
Van L. Vendope, Fort Worth, Tex., assignor to Economy Electric Ad Corporation, Fort Worth, Tex., a corporation of Texas
Application April 10, 1934, Serial No. 719,822
6 Claims. (Cl. 173—339)



1. The combination with a support having holes therein and electric lamps having their bases inserted through the holes of said support and projecting from the rear side of said support, of a plurality of flexible sockets having spaced metallic terminals exposed therein and connected to a pair of electric circuit wires, said sockets being constructed to be pushed onto said projecting lamp bases so as to intimately engage the rear side of said support and completely cover the projecting lamp bases and also whereby the terminals engage said lamp bases.

2,043,500
HYDRAULIC SHOCK ABSORBER
John B. Whitted, Chicago, Ill., assignor to Houde Engineering Corporation, Buffalo, N. Y., a corporation of New York
Application November 16, 1934, Serial No. 753,246
6 Claims. (Cl. 188—88)

1. In hydraulic shock absorber structure, the combination of a cylinder, a piston movable in said cylinder, a by-pass for the flow of hydraulic fluid from one side of the piston to the other, a valve chamber and an inlet port thereto included in said by-pass, a valve in said valve chamber for cooperation with the inlet port to control fluid flow therethrough, yielding means tending to hold said valve in port closing position, said valve being subjected to the fluid flow to be moved by the pressure thereof for increased opening of said port, a plunger head for said valve operable in said valve chamber, a passageway for admitting fluid under pressure into said valve chamber



behind said plunger head for assisting said yielding means in resisting opening movement of said valve by the fluid pressure, and a relief passageway for flow of fluid from one side of said plunger head to the other, the relative resistances to fluid flow of said passageway and said relief passage being such that said valve will be moved by the fluid pressure in accordance with variations in viscosity of the hydraulic fluid.

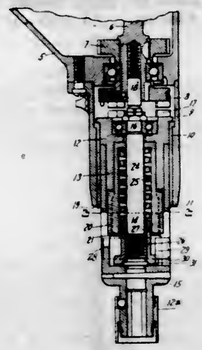
2,043,501
VENETIAN BLIND
Andrew C. Wood, Chicago, Ill.
Application May 29, 1935, Serial No. 24,031
5 Claims. (Cl. 156—17)



5. Slat supporting tapes for Venetian blinds having detachably secured slat supporting stirrups.

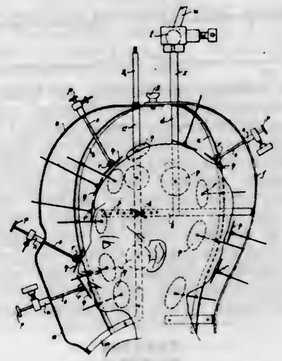
2,043,502
POWER OPERATED PORTABLE TOOL
Bernard H. Wuebben, Dayton, Ohio, assignor to The Buckeye Portable Tool Company, Dayton, Ohio, a corporation of Ohio
Application July 24, 1934, Serial No. 736,711
12 Claims. (Cl. 64—29)

1. In a mechanism of the character described, a tubular front driving member having a part arranged within the same for rotation therewith, a rotatable rear driving member having a non-yieldable part rigidly connected therewith and extending into said tubular front driving member, said parts having opposed cam surfaces to establish a driving connection between said parts, and means for yieldably supporting said part of said front driving member to normally maintain a driving connection between said parts and to permit said part of said front driving member to yield axially and thus enable said part of said rear driving member to rotate with relation



thereto when excessive resistance is offered to the rotation of said front driving member.

2,043,503
DEVICE FOR PRODUCING PLASTIC REPRODUCTIONS OF CORPOREAL FORMS
Helmut Aschenborn, Coblenz-on-the-Rhine, Germany
Application February 6, 1936, Serial No. 62,675
In Germany July 30, 1934
3 Claims. (Cl. 18—5)



1. A device for making plastic reproductions of corporeal forms, more particularly human heads, by means of a plastic and hardening mass to be applied to the form to be reproduced, comprising in combination a basket-like framework adapted to be disposed around the form to be reproduced and the applied plastic modelling mass, consisting of bows shaped to correspond to the said form, rods held in the said bows normal to the surface of the form to be reproduced, means for adjusting the said rods, means for fixing them in position, ball and socket joints at the inner ends of the said rods and plates mounted on the said ball and socket joints, which are adapted to be brought up to and connected with the outer surface of the plastic modelling mass.

2,043,504
METHOD OF DRILLING WELLS
George Blow, New York, N. Y.
Application June 28, 1935, Serial No. 28,932
21 Claims. (Cl. 255—1)



DRILL HOLE FILLED WITH SYX

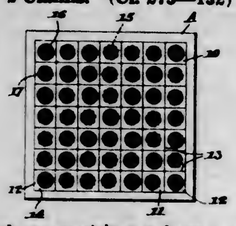
1. In a process of drilling wells, the step of filling the drill hole with a liquid of greater specific gravity than that of the formation being drilled.

2,043,505
HIGH DRAFT MECHANISM WITH ENDLESS BELTS
Fernando Casablancas, Sabadell, Spain
Application May 3, 1934, Serial No. 723,791
In Spain May 26, 1933
3 Claims. (Cl. 19—131)



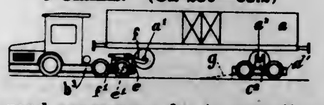
1. In a drawing mechanism for textile rovings having endless belts for conducting the rovings, contacting cylinders for engaging said belts, one of said cylinders cut inwardly from opposite ends and opposite sides along the outer surface to form diametrically opposed retracted portions with their inner ends extending slightly beyond one another, the said retracted portions normally being free of contact with the belt engaging said cylinder, and means for rotatably supporting said cylinders to drive the belts, whereby said retracted portions upon said cylinder permit the belts to automatically adjust themselves laterally.

2,043,506
PUZZLE
William Meagher Costigan, Grand Falls, New Brunswick, Canada
Application August 2, 1934, Serial No. 738,145
2 Claims. (Cl. 273—132)
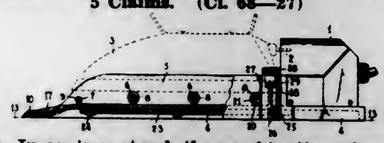


1. A puzzle comprising a base marked off to provide a plurality of series of intersecting zones defined by spaced apart lines, the intersection of said zones defining a plurality of spaces certain of said spaces bearing fixed visible units having definite surface characteristics, the remaining spaces being blank for receiving movable units whose surface characteristics differ from any unit fixed or movable contained in a zone common to said remaining spaces, said movable units being placeable at will in any given blank space, the correct position of said units beng governed by the fixed units, said fixed units being preliminarily positioned to force one or more solutions.

2,043,507
MEANS FOR TRANSPORTING RAILWAY VEHICLES BY ROAD
Johann Culemeyer, Berlin-Charlottenburg, Germany, assignor to Gothaer Waggonfabrik, Aktiengesellschaft, Gotha, Germany
Application May 2, 1934, Serial No. 723,604
In Germany May 6, 1933
6 Claims. (Cl. 280—33.2)



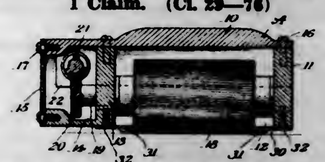
1. A road conveyance for transporting a railway vehicle having a front and rear axle, comprising in combination a tractor and a trailer movable towards and away from each other when unloaded, a seating on said tractor rotatable about a vertical pivot and adapted to engage the front axle of said railway vehicle, and a seating on said trailer adapted to engage the rear axle of said railway vehicle.

2,043,508
ELECTRIC IRON STAND
Stanley Alexander Duvall, New York, N. Y., assignor to Laura V. Ruffin, Louisville, Ky.
Application May 7, 1934, Serial No. 724,420
5 Claims. (Cl. 62—27)



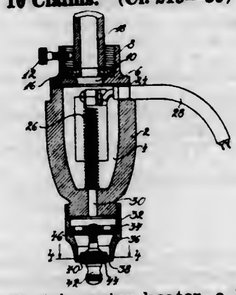
1. In an iron stand, the combination of means for reducing the frictional resistance to movement of an iron over the stand, and anchor pins carried by the stand.

2,043,509
METAL AND WOOD SURFACING TOOL
Noble A. Easters, Brunswick, Ga.
Application August 12, 1935, Serial No. 35,874
1 Claim. (Cl. 29—76)



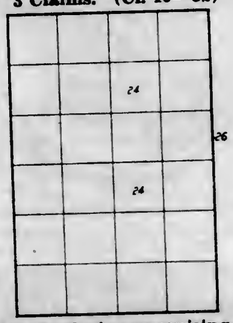
A tool of the character described comprising a box-like stock of elongated substantial rectangular shape and having an opening in its bottom for a major portion of its length, a plurality of closely arranged surfacing rollers journaled interiorly of the stock transversely thereof in close relation to each other for exposure through the open bottom, a worm screw feed shaft journaled longitudinally in the stock at one side of said rollers, worm gears fixed with the rollers and meshing with the worm screw feed shaft, a power driven connection on the stock associated with said worm screw feed shaft, strip-like resilient gages fixed longitudinally of the stock at its bottom to extend into the opening in the later close to opposite ends of the rollers, and a bead throughout the length of said gages at the outer faces thereof next to the edges adjacent to said rollers.

2,043,510
ELECTRIC WATER HEATER
Irving Florman, New York, N. Y.
Application September 9, 1932, Serial No. 632,420
10 Claims. (Cl. 219—39)



1. In an electric water heater, a body portion having a chamber therein, heating means in said chamber, an outlet from said chamber, and means secured to the heater body in the path of water flowing through said outlet to divide the water into numerous small streams to produce a spray, said means including a member having an internally serrated opening therein and an element within and closing said opening except for the spaces created by such serrations.

2,043,511
INDICATOR
John Handley, Claude Suckling, and Robert Henry Suckling, London, England
Application September 4, 1935, Serial No. 39,182
In Great Britain July 9, 1934
3 Claims. (Cl. 40—52)



1. An indicator device comprising a panel consisting of a plurality of pivoted indicator elements reversible in predetermined groups, each group of which represents a symbol in contrast with the unreversed elements, an electric motor for actuating the said indicator elements, a cam shaft adapted to be driven by said motor, cams on said shaft for operating the indicator elements, and a selector switch including a movable switch member driven by and controlling said motor.

2,043,512
SOLDERLESS BATTERY CABLE GRIP
Charles E. Hoover, Lancaster, Pa.
Application November 2, 1934, Serial No. 751,231
6 Claims. (Cl. 173—269)



5. A battery cable terminal comprising a part to engage a battery post and a part having a wire receiving socket which has a longitudinal chamber of a diameter sufficient only to receive the wires of an insulated cable, the entrance of said chamber being outwardly flared to a diameter sufficient to receive the insulated part of the cable, said socket having a threaded bore of substantially greater diameter than that of said longitudinal chamber, the axis of said bore being normal to that of said longitudinal chamber, said socket having two ribs transversely located in said longitudinal chamber adjacent the bottom of said threaded bore one at each side of the threaded bore, a solid-end screw plug fitting said threaded bore to clamp the wires in the socket between said ribs and to draw the cable's insulation into fluid-tight contact with the wall of said flared entrance.

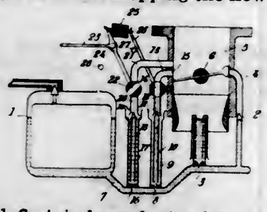
2,043,513
METHOD OF REFINING ROSIN
Irvin W. Humphrey, Wharton, N. J., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 25, 1930, Serial No. 447,423
13 Claims. (Cl. 87—2)

8. The method of removing color bodies from rosin which includes treating a solution of rosin in a hydrocarbon solvent with an organic substance, normally not an effective solvent for color bodies contained in rosin but having a capacity in the presence of a liquid polyhydric alcohol for selectively dissolving color bodies contained in rosin, in solution in a liquid polyhydric alcohol which is substantially immiscible with the rosin solution, and separating the refined rosin solution from said polyhydric alcohol solution.

2,043,514
CARBURETOR
Marcel Mennesson, Neuilly-sur-Seine, France, assignor to "Societe Anonyme Solex", Neuilly-sur-Seine, France, a corporation of France
Application November 20, 1933, Serial No. 698,897
In Belgium November 25, 1932
8 Claims. (Cl. 261—41)

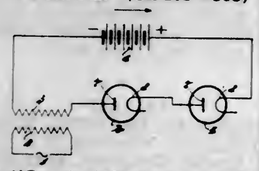
1. An engine carburetor including a throttle, a main mixing chamber, means for supplying mixture to the engine for normal running when the associated engine is hot, a first auxiliary mixing chamber for supplying mixture to the motor under mean average conditions while cold and opening at one end to the atmosphere and at the other end to said main mixing chamber on the engine side of said throttle, a first independent jet for feeding carburant to said auxiliary mixing

chamber under mean average conditions of the motor while cold, a second auxiliary chamber open to the atmosphere, a second independent jet for supplying auxiliary mixture to this second chamber when said mean average conditions are exceeded, a valve for stopping the flow of mixture



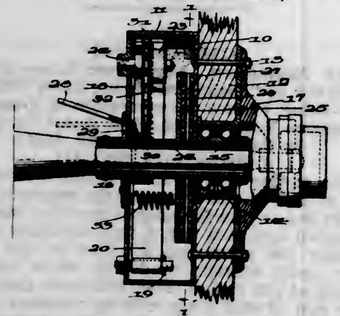
from said first independent mixing chamber to the main mixing chamber, means to control this valve, said valve further having a passage therein for controlling the flow of mixture from said second auxiliary mixing chamber to said first auxiliary chamber.

2,043,515
RECTIFYING CIRCUIT ARRANGEMENT
Johannes Gijsbertus Wilhelm Mulder and Daniel Marie Duinker, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application September 7, 1934, Serial No. 743,138
In Germany September 13, 1933
4 Claims. (Cl. 175—363)



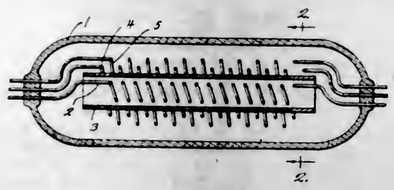
1. A rectifier installation comprising a plurality of incandescent cathode gas-filled rectifier tubes, said tubes being connected in series and being of such character as to permit in the blocking phase of the alternating current the passage of a current having a value which is sufficient to establish a glow discharge in the tube, but insufficient to establish an arc discharge.

2,043,516
BRAKE OPERATING MECHANISM
Ernest J. Ohliger, Jr., Mount Vernon, N. Y.
Application June 20, 1932, Serial No. 618,330
8 Claims. (Cl. 188—140)



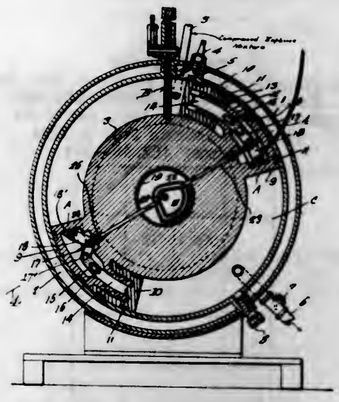
1. A brake comprising a drum, brake shoes engageable with the drum, a revoluble member disposed within the drum and adapted to move axially into frictional engagement with the drum, a cam engageable with the brake shoes, and an endless flexible member between the revoluble member and the cam operable upon rotation of the revoluble member to cause the cam to set the brake shoes.

2,043,517
RADIO APPARATUS
Harry Preston Pratt, Chicago, Ill., assignor, by mesne assignments, to Harry Preston Pratt, William Frederick Grower, Henry Asa Allen, Howard Thompson Ballard, and George Squires Herrington, trustees acting as Pratt Radio Trust
Original application March 31, 1923, Serial No. 628,962. Divided and this application June 29, 1935, Serial No. 29,083
11 Claims. (Cl. 250—27.5)



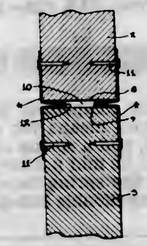
11. A vacuum tube housing an elongated heating coil and a plurality of coil electrodes surrounding said first coil and concentric therewith.

2,043,518
ENGINE OR MOTOR
Hudson Doniphan Rice, Jr., and James Madison Babb, Dallas, Tex.
Application April 10, 1935, Serial No. 15,666
4 Claims. (Cl. 123—15)



2. A two-part piston comprising a body part provided at one end with an integral sleeve, a head part slidably engaging said sleeve and provided with a pin extending through said sleeve, an articulated connection between said pin and the body part of the piston and means for straightening and breaking said connection to move the head part away from and toward the body part.

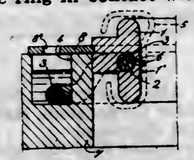
2,043,519
AIR AND WATERPROOF JOINT FOR SILO STAVES AND THE LIKE
Thomas A. Rowe, Le Roy, N. Y.
Application November 14, 1933, Serial No. 698,011
1 Claim. (Cl. 20—1.4)



A joint for connecting the adjacent ends of upper and lower stave sections of a silo and like structure consisting of a pair of inner and outer joint covering members of sheet material applied to the inner and outer faces of the staves in opposing relation, each member consisting of upper and lower flat, vertically aligned and flangeless plate members secured in uniform contact with the flat side faces of the upper and lower stave sections to prevent the passage of water or moisture between the staves and the plate members, and a resilient folded connecting member composed of straight flat upper and lower portions formed integral with one another and with the upper and lower plate members and converging sharply toward one another, the said resilient folded connecting portions of the two opposed joint covering members extending between the spaced ends of the upper and lower stave sections, in opposing spaced-apart relation to close opposite sides of the space between the staves and adapt said space to the reception of a joint sealing material, and each of said resilient connecting members having a narrow integral curved and resilient connecting portion adapted to permit the upper and lower portions of the member to be compressed and to assume different angles corresponding with variations in the space between the stave ends, whereby a closed water and air-tight joint is thus completed for fully protecting the spaced-apart stave ends from the destructive influence of air and moisture at both the inner and outer sides of the structure and a complete closure is effected to permanently maintain joint sealing material in the said space between the stave ends.

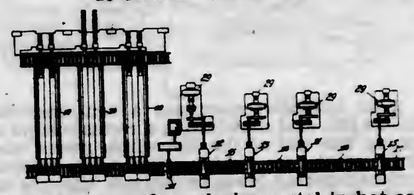
2,043,520
AUTOMATIC LUBRICATING DEVICE FOR THE RING AND THE TRAVELER IN RING SPINNING OR DOUBLING FRAMES OR THE LIKE
Carlo Schleifer, Novara, Italy, assignor to Società Anonima "Officina Meccanica St. Andrea-Novara", Novara, Italy, a society of Italy
Application January 12, 1934, Serial No. 706,441
In Italy January 14, 1933
4 Claims. (Cl. 118—59.5)

1. An automatic lubricating device for the ring and the traveller in ring spinning and doubling frames comprising a lubricant reservoir, a passage in the ring having open ends, a wick completely filling the passage and having its free ends extending from the open ends of the passage into said lubricant reservoir for absorbing the lubricant therein by capillary attraction and wholly unobstructed and radial ducts in said ring extending from the passage and terminating at the surface of the ring in contact with the traveller



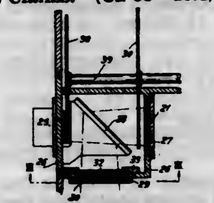
whereby lubricant is supplied to said surface, said reservoir being located below and said ducts substantially in the plane of said passage.

2,043,521
METHOD OF ROLLING FERROUS SHEET MATERIAL
Wilfred Sykes, Chicago, Ill.
Application December 28, 1934, Serial No. 759,566
16 Claims. (Cl. 80—60)



1. The process for reducing metal in hot condition to wide and thin flat sheet form which comprises controlling the active pass of the rolls in the finishing stand so as to cause the longitudinal edge portions of the piece of metal in hot condition to be elongated relative to the central portion thereof, and thus assume wave form, to such degree that the rolled sheet assumes flat condition upon cooling.

2,043,522
PHOTOGRAPHIC APPARATUS FOR COLOR CINEMATOGRAPHY
Auguste Valentin and Laurent Bassani, Paris, France
Application April 1, 1935, Serial No. 14,144
In France April 13, 1934
2 Claims. (Cl. 88—16.4)



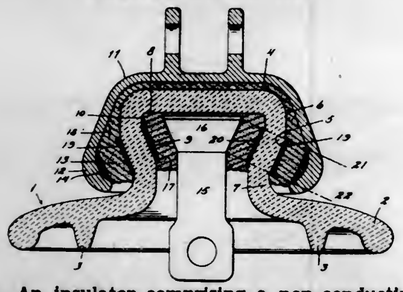
1. An apparatus for taking views for cinematography in three colors, comprising in combination a dark chamber, a single objective, a guide track for a negative film to receive impressions in one color positioned in alignment with the optical axis of said objective, an inclined glass positioned between the objective and said film track for reflecting rays from said objective, a second guide track for a second negative film adapted to receive impressions in two other colors and positioned to receive rays reflected from said glass, means for displacing said films, color selecting screens positioned between the inclined glass and the two films to be impressed, means for impressing the second negative film successively with rays corresponding to said two other colors, and

means for impressing the first film by rays of said first color at the same time as the second film is impressed by one of the two other colors.

2,043,523
INSULATOR

Cloyd B. Van Atta, Baltimore, Md., assignor to Locke Insulator Corporation, Baltimore, Md., a corporation of Maryland

Application November 26, 1926, Serial No. 150,744
4 Claims. (Cl. 173—318)

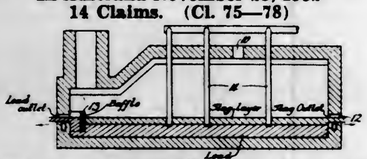


1. An insulator comprising a non-conducting shell, a pin, said shell having a recess therein receiving one end of the pin, which recess has a single, continuous, unidirectional strain receiving surface tapering inwardly towards the free end of the pin, cement filler within the recess and surrounding the pin to retain the pin in position within the shell, said shell having an outer single, continuous, unidirectional strain receiving surface tapering in the same direction as the strain receiving surface of the recess, a cap embracing said outer strain receiving surface, cement filler within the cap and surrounding said outer strain receiving surface to retain the cap and shell in proper relationship, and soft metal coatings separating the strain receiving surfaces from the fillers adjacent thereto.

2,043,524
REFINING LEAD

George Kenneth Williams, Port Pirie, South Australia, Australia

Application November 11, 1933, Serial No. 697,651
In Australia November 25, 1932
14 Claims. (Cl. 75—78)



1. The process of refining lead comprising causing lead bullion containing readily oxidizable alloying metals, to flow continuously into a treating chamber, and continuously discharging lead low in such alloying metal from the chamber, said bullion, during its passage through the chamber, being subjected to oxidation by air and to agitation by means of submerged jets whereby oxides of lead and of said alloying metals separate as a liquid slag which exists above the bullion and is progressively discharged therefrom, characterized in that the agitation is sufficiently intense to maintain uniform conditions of temperature and of composition in the bullion and the heat of formation of the metallic oxides produced is substantially sufficient in itself to maintain the requisite reaction temperature within the chamber.

2,043,525
HIGHWAY GUARD

Edward L. Benedict, Oakmont, Pa., assignor to Pittsburgh Steel Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application April 5, 1932, Serial No. 603,383
8 Claims. (Cl. 256—13.1)

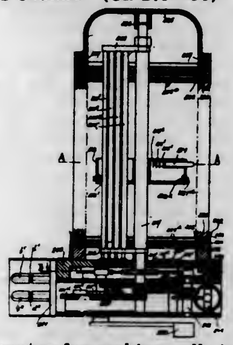


1. A guard fence comprising supports, an impact-receiving band, means for connecting said band to a support, and a spring of semi-elliptical form connected at its mid portion to said means, those portions of the spring to either side of its mid portion having slidable engagement with the said support.

2,043,526
AUTOMATIC TELEPHONE APPARATUS

Alfred Boyé, Paris, France

Application May 31, 1933, Serial No. 673,686
In France June 4, 1932
4 Claims. (Cl. 179—90)



1. An apparatus for making calls in automatic telephony, comprising a frame, a rotary shaft carried by said frame, a switch slidable with respect to said shaft and rotatable therewith, a box carried by said frame, a plurality of parallel plates situated within said box, each plate being provided with a central opening and a notch permitting the passage of said switch through the plate, the longitudinal axis of said shaft coinciding with an axis passing through the middle of the central openings, each plate being provided with teeth formed on the circumference of the central opening and adapted to engage said switch, the teeth of each plate being adapted to actuate said switch a predetermined number of times to call a station corresponding to a certain plate, an interrupter adapted to be rotated at a constant speed, and a contact interposed in a telephone line and actuated by said interrupter, the terminals of said switch being shunted with respect to the terminals of the last-mentioned contact.

2,043,527
NECKTIE

James Hoyt Brown, New York, N. Y.

Application August 29, 1934, Serial No. 741,895
4 Claims. (Cl. 2—150)

1. In a necktie the combination of a support, a cup shaped disc spring hook extending rearwardly from the upper end of the front portion of the support, the said support and disc spring hook adapted to straddle and be supported on

the end portions of the neck band of a collar, an upwardly diverging clamping member integral

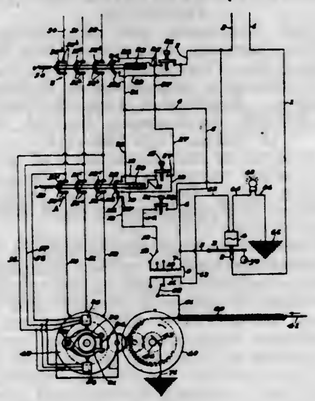


with the lower end of the support and a streamer having its upper end supported in said converging clamping member.

2,043,528
WIRE INSULATION TESTING APPARATUS AND METHOD

Ralph L. Davis, Wallingford, Conn.

Application August 4, 1932, Serial No. 627,450
19 Claims. (Cl. 175—183)



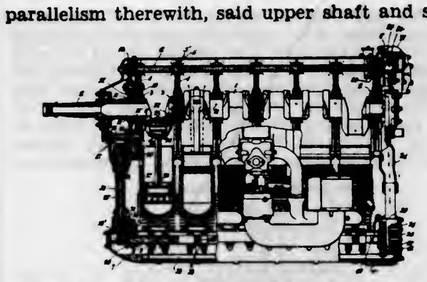
1. In a system for testing the insulation resistance of insulation surrounding a conductor core of wire, a testing electrode in operative relation with said wire and spaced from its conductor core only by the insulation, a take-on roll for said wire, means for feeding said conductor core of wire past said electrode to said take-on roll and means connected to said testing electrode and operative while said wire is being moved past said testing electrode for indicating the insulation resistance of successive sections of said insulation.

2,043,529
INTERNAL COMBUSTION ENGINE

Walter F. Davis, Farmingdale, N. Y., assignor to Fairchild Aviation Corporation, New York, N. Y., a corporation of Delaware

Application December 19, 1931, Serial No. 582,085
12 Claims. (Cl. 184—6)

1. In an internal combustion engine, a plurality of cylinders inverted and in line, a crankcase, a hollow crankshaft therein, a hollow camshaft arranged beneath said crankcase, a straight, hollow shaft arranged above said crankshaft and in parallelism therewith, said upper shaft and said

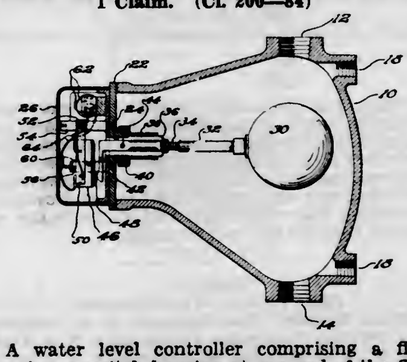


camshaft each being adapted to drive a separate oil pump.

2,043,530
WATER LEVEL CONTROLLER

Bernard W. Dezotell, West Roxbury, Mass., assignor to United Electric Controls Company, Boston, Mass., a corporation of Massachusetts

Application August 7, 1934, Serial No. 738,786
1 Claim. (Cl. 200—84)



A water level controller comprising a float housing, a switch housing at one end of the float housing, a partition separating the two housings and having an opening therethrough, a float arm pivotally mounted in the partition opening, a float on the free end of the arm, a bellows connected at one end of the arm and at the opposite end of the partition to seal the opening, an operating extension on the float arm extending generally parallel with the partition, a self-contained switch unit pivotally mounted within the housing and generally parallel to the partition, a projecting operating pin located adjacent the free end of the operating extension, and means for adjusting the switch unit about the pivot with relation to the operating extension.

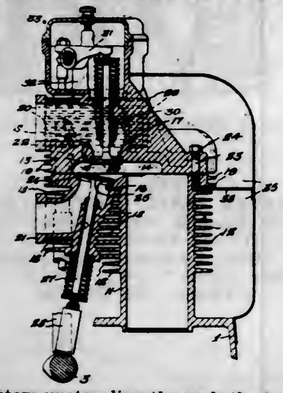
2,043,531
AIR COOLED INTERNAL COMBUSTION ENGINE

Carl T. Doman, Syracuse, N. Y., assignor to Doman & Marks, Syracuse, N. Y., a co-partnership composed of Carl T. Doman and Edward S. Marks

Application July 7, 1933, Serial No. 679,390
2 Claims. (Cl. 123—171)

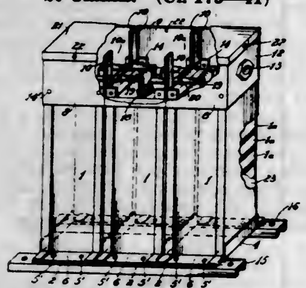
1. In an air cooled engine, the combination of a cylinder having a combustion chamber and a detachable head including a lateral extension of said combustion chamber, means forming an air passage along one side of the cylinder and its head, said cylinder having an integral portion thereof below the lateral extension of the com-

bustion chamber and at the lee side of the cylinder, provided with a valved inlet port protected by the cylinder from the cooling air of the said passage and drawing heat from the cylinder for warming the charges in the inlet port, said head having an exhaust port at its lee side, rising from the combustion chamber extension and with its major portion in the path of the air stream around the head, an exhaust valve in the said port



having a stem upstanding through the head, valve actuating connections including a rocker arm engaging the upstanding end of the exhaust valve, and a box atop the head and enclosing the rocker arm and engaged end of the exhaust valve stem, the remaining surfaces of the head and cylinder presenting full unobstructed exposure to the air passing through the said air passage.

2,043,532
ELECTRICAL CONDENSER
William Dubilier, New Rochelle, N. Y., assignor to Dubilier Condenser Corporation, New York, N. Y., a corporation of Delaware
Application December 10, 1932, Serial No. 646,618
20 Claims. (Cl. 175—41)



1. In combination, a plurality of electrical condenser units having metallic casings enclosing condenser bodies, the casings extending beyond the bodies to provide extension compartments, and detachable means between certain of the walls of said extension compartments for mechanically and rigidly connecting the condenser units directly one to another, certain of the extension walls having openings to provide passageways for electrical connections.

17. A multiple electric condenser assemblage comprising a plurality of condenser units, each including a condenser proper and a container therefor, each unit provided with an extension compartment protecting the condenser terminals and individual means rigidly connecting each extension compartment to the extension compartment of the next adjoining condenser unit to hold the entire assemblage of units in set relationship, said individual connecting means being entirely housed within and protected by the extension compartments.

2,043,533
METHOD FOR HARDENING COBALT STEEL
Richards H. Harrington, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
No Drawing. Application October 29, 1931, Serial No. 571,937
4 Claims. (Cl. 148—21.5)

1. The method of hardening steel consisting substantially of 5% to 60% cobalt, 1% to 10% molybdenum with the remainder carbon steel containing from about .5% to 2% carbon which comprises quenching the steel from a temperature of about 950° C. and aging it at about 450° C. to 550° C.

2,043,534
PROCESS FOR PREPARING POTASSIUM FORMATE
Egon Elöd, Karlsruhe, and Otto Dragendorff, Oestrich, Germany, assignors to firm Rudolph Koepp & Co., Chemische Fabrik A. G., Oestrich, Germany, a corporation of Germany
No Drawing. Application June 22, 1933, Serial No. 677,078. In Germany June 25, 1932
14 Claims. (Cl. 260—114)

1. A process for the preparation of potassium formate, which comprises reacting carbon monoxide with thinly liquid aqueous mixtures of caustic lime and potassium sulphate containing other electrolytes.

10. A process for preparing potassium formate which comprises reacting carbon monoxide with lime and potassium sulphate in an aqueous medium at super-atmospheric pressure and formate producing temperatures, said lime and potassium sulphate being present in the proportion of 6 molecules of potassium sulphate to 5 molecules of lime, whereby a solution containing substantially only potassium formate and penta calcium sulphate—potassium sulphate having the formula $(CaSO_4)_5.K_2SO_4.H_2O$ is obtained.

2,043,535
MULTISTAGE COMPRESSOR
Harry A. Feldbush, Short Hills, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a corporation of Virginia
Application June 19, 1934, Serial No. 731,240
1 Claim. (Cl. 230—199)



In a multi-stage compressor, in combination, a low pressure cylinder, a high pressure cylinder connected in line to said low pressure cylinder, a low pressure piston, a high pressure piston, a bleed-off chamber between said cylinders, and open to said high pressure cylinder to receive any leakage passing said high pressure piston.

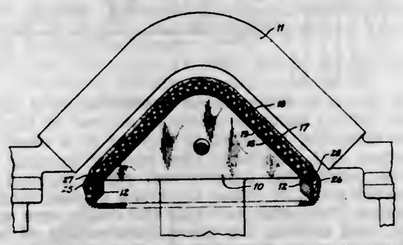
2,043,536
SPRING-COVER AND ITS MANUFACTURE
Warren T. Ferguson, Waban, Mass., assignor to Anderson Manufacturing Company, Cambridge, Mass., a corporation of Massachusetts
Application December 18, 1934, Serial No. 758,068
20 Claims. (Cl. 153—1)



1. A spring-cover comprising a sheet shaped for enclosing at least three sides of a spring and transversely slotted at intervals between its ends, each slot terminating at each end short of the side edges of the sheet, a separate covering band for each slot, said bands being independent of each other, means for retaining each band individually in position, and means engaged with said sheet for closing the fourth side of the spring.

19. The method of making a blank for spring-covers which comprises forming a longitudinal series of transverse slots within a trapezoidal sheet of metal and also forming a short longitudinal slot at each end of each transverse slot, and applying a covering band to each transverse slot by slipping its ends through the pair of longitudinal slots associated with the transverse slot to be covered.

2,043,537
SPRING PAD MOUNTING FOR PRESSING MACHINES
Charles Edwin Hamilton, Sr., Hollywood, Calif., assignor, by direct and mesne assignments, to Henry R. Hering, South Orange, N. J.
Application February 27, 1934, Serial No. 713,100
8 Claims. (Cl. 68—9)



1. Mounting means for a resilient pad utilized on an ironing machine which has a movable slide with the resilient pad thereon to receive the work, said means including members to rigidly secure the pad to the slide at a point intermediate the ends of the pad, and means to secure the free ends of the said pad against movement upwardly of the slide surface.

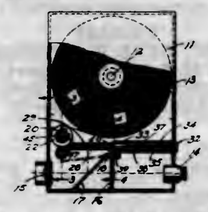
2,043,538
BAND FOR GARMENTS
Harry Hardie, Baltimore, Md., assignor to The Faultless Manufacturing Company, Baltimore, Md., a corporation of Maryland
Application October 4, 1934, Serial No. 746,765
2 Claims. (Cl. 2—243)

1. An elastic band for garments comprising an integral piece of textile material folded adjacent an edge to form a sheath having a pair of longitudinally extending opposed free side walls, a strip of highly elastic and highly flexible sheet rubber extending longitudinally between said opposed side walls, stretchable stitches anchoring



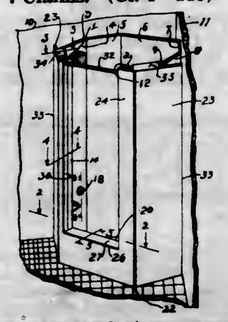
said strip of sheet rubber solely to one of said side walls whereby the other of said side walls may move independently of said strip of rubber, and stretchable stitches passing through the edge of said textile material to form closure means for said sheath.

2,043,539
CAMERA
William H. Harrison and Edward C. Harrison, Los Angeles, Calif.
Application November 27, 1934, Serial No. 754,990
12 Claims. (Cl. 95—31)



1. A camera for making individual photographic records on a film strip which includes: means for exposing a portion of said film strip to produce a photographic record; feed means for advancing said record past the point of exposure; a removable container with resilient lips for receiving said record; means for severing said record from said film strip; and sealing means for preventing exposure of said film strip when said container is removed from said camera.

2,043,540
BATHROOM FIXTURE
Rachel C. Hazeltine, San Jose, Calif.
Application October 2, 1935, Serial No. 43,147
7 Claims. (Cl. 4—146)



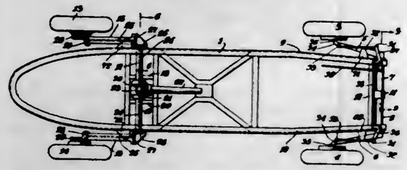
1. An article of manufacture comprising a unitary wall and floor structure defining a bath tub and shower bath, the wall portion defining the shower bath having a doorway formed in one

side thereof in elevated relation to the floor whereby the lower portion of the chamber forms a tub, said wall portions having flat side portions formed thereon at right angles to each other and adapted to seat against two converging walls of a square cornered room, said wall and floor having openings formed therein for service connections.

2,043,541
PROCESS OF FINISHING WOOD
Hugh Jamieson, Stamford, Conn.
No Drawing. Application March 2, 1936, Serial No. 66,732
7 Claims. (Cl. 91—70)

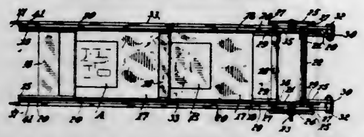
1. A process of finishing wood, which consists of the following steps: forming a finish of boiled linseed oil, 33⅓% of a composition formed of 2 oz. kauri resin, 4½ ounces raw China-wood oil, 1½ ounces turpentine, 2½ ounces "Varnolene", 2⅛ cc. cobalt drier, 17% of pure beeswax, and 16⅓% of wood filler, heating the wax, oil and filler to approximately 212 degrees F., adding the composition, then heating until the mass is a liquid, applying the liquid to the wood, cooling the impregnated wood rapidly, and then buffing the cooled wood.

2,043,542
RUNNING GEAR FOR VEHICLES
Corydon M. Johnson, Freeport, N. Y.
Application September 21, 1935, Serial No. 41,588
14 Claims. (Cl. 180—73)



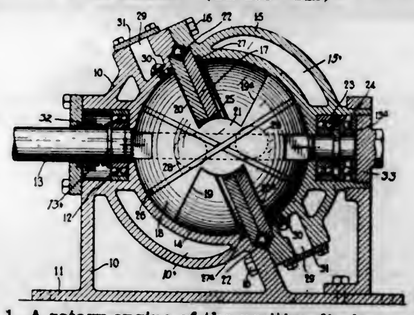
1. In an independent wheel suspension construction, a resilient element therefor comprised of three or more concentrically arranged torsion tubes having their respective adjacent ends connected together in series to form in effect a single tube, the intermost of which is of greatest relative wall thickness, the intermediate of which is of lesser wall thickness and the outermost of which is of least wall thickness.

2,043,543
OFFSET PROOF PRESS MECHANISM
Harry C. Jones, New York, N. Y.
Application October 24, 1931, Serial No. 570,858
28 Claims. (Cl. 101—269)



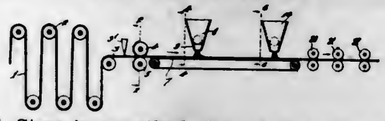
1. A machine having a bed, a rack at the side of said bed, a carriage movable over the bed, said carriage having a roller journalled therein, a gear on said roller meshed with said rack, and means to move the rack lengthwise while in mesh with said gear, thereby to affect the amount of rotary movement of said gear and roller relative to the bed on which said rack rests.

2,043,544
ROTARY ENGINE
James L. Kempthorne, Montclair, N. J.
Application October 7, 1933, Serial No. 692,566
12 Claims. (Cl. 103—142)



1. A rotary engine of the positive displacement type which includes a spherical casing, a rotor mounted in said casing and an abutment having opposite sides, said casing having ports therein, means to rotate said rotor, said rotor having two pairs of mutually converging faces, each of said pairs of faces cooperating with the respective sides of said abutment, means to oscillate said rotor as it rotates, the plane of said abutment being at a constant angle with respect to the axis of rotation of said rotor whereby alternate faces of each pair of faces of said rotor closely approach said abutment during rotation.

2,043,545
METHOD OF MAKING SHINGLE STRIPS
Lester Kirschbraun, Leonia, N. J., assignor to The Patent and Licensing Corporation, Boston, Mass., a corporation of Massachusetts
Application December 18, 1931, Serial No. 581,843
13 Claims. (Cl. 91—68)

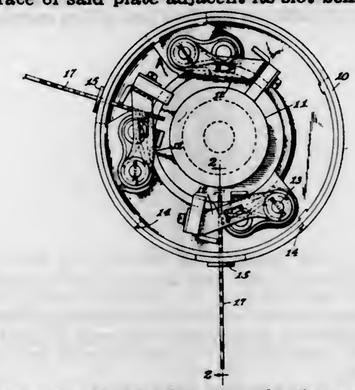


8. Steps in a method of producing strip shingles, which comprise applying a coat of molten waterproofing material to a face of a sheet of roofing felt, shaping the molten coating to form continuous longitudinal ridges spaced by broader areas of lesser thickness of said molten coating, thereafter covering the entire area with grit, and cutting the sheet transversely of said ridges to sever strip shingles therefrom in such a manner that the ridges extend from the upper to the lower edges thereof.

2,043,546
APPARATUS TO FACILITATE INSERTION OF ARMATURES WITHIN CASINGS
Fred Koenig, Tottenville, N. Y.
Application March 21, 1934, Serial No. 716,603
3 Claims. (Cl. 81—3)

1. A mechanism for holding the brush of a dynamo electric machine retracted from the commutator which comprises a slotted plate adapted to span a hole in the machine casing radially outside the brush, a hook member adapted to pass through a slot in said plate and be guided by said plate yet with enough clearance to allow limited rocking movement of said hook member, a tooth

on the stem of said hook member for supporting said member and brush held thereby, the outer surface of said plate adjacent its slot being pro-

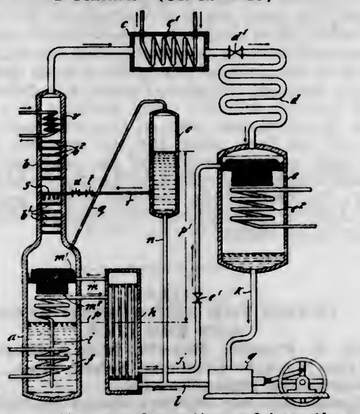


vided with a depressed portion of a size and shape to receive said tooth and prevent its slipping off of said plate.

2,043,547
DIAMINO-PYRIDINE O-HYDROXY BENZOIC ACID SALTS
Jacques Krassny, New York, N. Y., assignor to Osten Chemical Corporation, New York, N. Y., a corporation of New York
No Drawing. Application November 29, 1929, Serial No. 410,452
10 Claims. (Cl. 260—42)

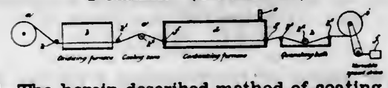
10. Ortho-hydroxy-benzoic acid salts of 2.6 diaminopyridine having the characteristics of forming crystals and being useful in different forms in the treatment of germ diseases.

2,043,548
ABSORPTION REFRIGERATING MACHINE
Guido Maiuri, Aldwych, London, England, assignor to Maiuri Refrigeration Patents Limited, London, England
Application November 11, 1935, Serial No. 49,133
In Great Britain October 30, 1935
4 Claims. (Cl. 62—119)



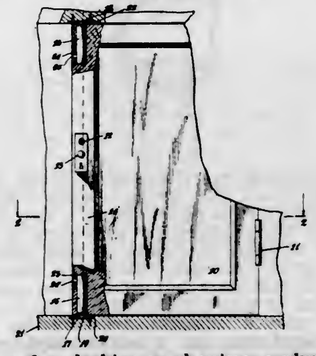
1. In a continuous absorption refrigerating machine, a boiler, a rectifier connected to said boiler, a condenser connected to said rectifier, an evaporator connected to said condenser, an absorber connected to said evaporator, a rich liquor pump connected to said absorber, means for supplying rich liquor from the delivery of said pump to said boiler, means for supplying, in heat-exchange proximity with said rich liquor, weak liquor from said boiler to said absorber, a closed chamber directly connected to the delivery of said pump and extending above the liquor level in said boiler, means venting said chamber to said boiler, and means for introducing rich liquor from said chamber into said rectifier.

2,043,549
METHOD OF COATING FERROUS STRIP MATERIAL
Anthony J. Marino, Union City, N. J., assignor to Gilby Wire Company, Newark, N. J., a corporation of New Jersey
Application March 17, 1933, Serial No. 661,303
4 Claims. (Cl. 148—17)



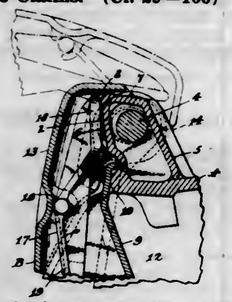
1. The herein described method of coating ferrous strip material consisting in subjecting a strip or wire of soft iron or steel to a temperature of substantially 1200° F. in the presence of an oxidizing medium for a time interval of substantially four minutes, air cooling the strip or wire for an interval of substantially four minutes, and then subjecting the oxidized strip or wire to a temperature of substantially 1100° F. in the presence of a gas rich in carbon for a time interval in excess of four minutes.

2,043,550
DOOR LOCKING MECHANISM
William Mumbrauer and Adolf zum Felde, New York, N. Y.
Application May 31, 1935, Serial No. 24,194
2 Claims. (Cl. 292—75)



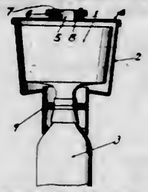
1. In a door locking mechanism, a plurality of latches, each comprising a hollow cylindrical body embedded in the material of the door, a headed member having a reduced end rotatably held in said body, a pin secured to said headed member and extending from said body, tongues formed with said member at its reduced end, a sleeve member in said body having marginal recesses adapted to be engaged by said tongues, spherical latch elements in said body partly projecting therefrom, a spring in said sleeve member, said spherical latch element held in locking position during engagement of said members, and allowed to recede into said body upon their disengagement.

2,043,551
MANUFACTURE OF JOURNAL BOXES
Harry O. Nekola, Cleveland Heights, Ohio, assignor to National Malleable and Steel Castings Company, Cleveland, Ohio, a corporation of Ohio
Application February 2, 1933, Serial No. 654,820
5 Claims. (Cl. 29—166)



1. A method of reconstructing a journal box hinge lug, which comprises burning out the central portion of the hinge lug casting to provide spaced side portions, supporting on said box a preformed member fitting freely between said side portions with front and top bearing surfaces properly positioned with reference to fixed surfaces on the box, and uniting said member with said spaced portions.

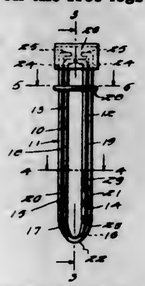
2,043,552
SPINNING CENTRIFUGAL MOTOR ARRANGEMENT
Shuzo Odajima, Toba-machi, Shima-gun, Japan, assignor to Kobe Seiko-sho, Ltd., Kobe, Japan
Application October 9, 1934, Serial No. 747,517
1 Claim. (Cl. 117—27.5)



In a spinning centrifugal motor device, in combination with a pot having a shaft adapted to be mounted on the motor frame, a case covering said pot and conforming substantially to the contour thereof, the walls of said case being spaced from said pot, whereby a chamber is formed intermediate said pot and said case, guiding means for said shaft carried by the inside wall of said case, a support carried by the outside wall of said case, and a movable and revolving ring freely mounted upon said support.

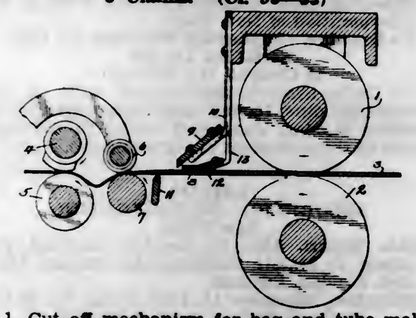
2,043,553
CLOTHESPIN
Michael Pado, Donora, Pa.
Application May 9, 1935, Serial No. 20,697
2 Claims. (Cl. 24—139)

1. A clothespin as set forth comprising a pair of U-shaped clamping members, a U-shaped means engaging the free ends of the members for securing the members together in a manner whereby the bights of the members are disposed in confronting relation, confronting line engaging portion carried by each member intermediate the ends of the parallel legs thereof, said first means maintaining the clamping members in downwardly divergent relation, a looped locking member slidable on the free legs of the members



and a stop carried by one of the free legs of one of the members intermediate the ends thereof to limit the insertion of the line between the two members.

2,043,554
CUTTING OFF MECHANISM FOR TUBE AND BAG MAKING MACHINERY
Adolph Potdevin, Garden City, Long Island, N. Y., assignor to Potdevin Machine Company, Brooklyn, N. Y., a corporation of New York
Application March 30, 1934, Serial No. 718,153
3 Claims. (Cl. 93—33)



1. Cut-off mechanism for bag and tube making machines comprising in combination a relatively thin fixed plate in the path of the tubular material being handled and disposed so as to telescoped thereby, a movable member out of the plane of one face of said plate, a fixed knife out of the plane of the other face of the fixed plate, said movable member being movable in a direction to divide one wall of the tube across the end of the fixed plate and the opposite wall of the tube across the edge of the said knife, and means intermediate the said fixed plate and fixed knife for maintaining the edge of said knife and the face of the plate out of contact with each other at all times.

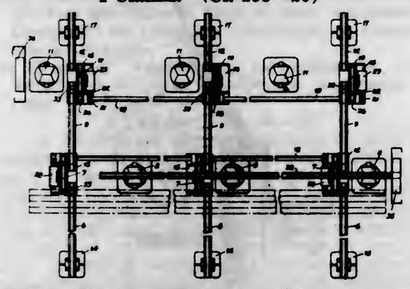
2,043,555
DEVICE FOR STRETCHING RUGS AND THE LIKE
Amos J. Preston, Beverly, Mass., assignor to Yates Machine Company, Salem, Mass., a corporation of Massachusetts
Application July 30, 1934, Serial No. 737,585
3 Claims. (Cl. 45—24)

3. A device of the class described, comprising a bar of substantial weight having a straight edge, a plurality of clamps spaced along said bar, each said clamp including a pair of jaws disposed one on each side of the bar, said jaws projecting forward beyond said straight edge of



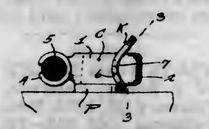
the bar for gripping engagement with a rug or the like abutting said edge, and means engaging said jaws rearwardly of said edge to hold said jaws in clamping relation.

2,043,556
TRANSFER APPARATUS
Edward J. Protin, Charleroi, Pa., assignor to Pittsburgh Steel Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 28, 1934, Serial No. 759,445
4 Claims. (Cl. 198—20)



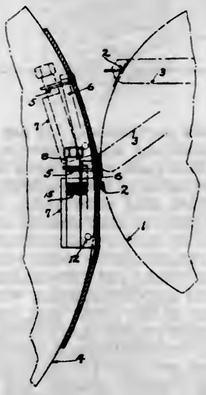
1. Transfer apparatus comprising a runway for tubes and the like, a stop member near the front end of the runway, a lifter normally positioned below the runway, a pipe-supporting seat on the lifter, sloping downwardly from the end of the runway and having a vertically-extending stop surface at the lower end of the sloping seat, and circumferentially recessed rollers positioned to receive a pipe when the lifter is lowered, the rear ends of the rollers extending rearwardly of said stop surface, and the mid portions of the rollers being disposed forwardly of said stop surface.

2,043,557
BATTERY TERMINAL CONNECTER
Joseph M. Pulici, Hawley, Pa.
Application February 2, 1935, Serial No. 4,703
1 Claim. (Cl. 173—259)



A terminal connecter of the class described comprising a split ring with arms extending from the ends of the ring, arcuate grooves extending across the outer side faces of the arms, the outbow side of the grooves being disposed toward the ring, and a key having arcuate side arms, said arms being disposed lengthwise on a curvature of a radii similar to the radii of the curvature of the grooves in the outer side faces of the arms, said side arms of the key snugly engaging within the grooves of the arms of the connecter with the inner edges of the side arms of the key having close contact with the base walls of the grooves, the base walls of the grooves being in convergence toward the top faces of the arms and the inner edges of the side arms of the key diverging toward their outer ends.

2,043,558
ROTARY STAPLING MECHANISM
Cecil George Quick, Donald Arthur Ball, and William Arnold Whitehead, London, England, assignors, by mesne assignments, to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York
Application November 25, 1933, Serial No. 699,720
In Great Britain December 1, 1932
11 Claims. (Cl. 1—7)



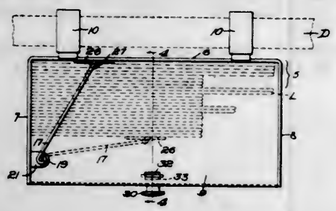
1. In stapling mechanism, the combination of a rotary staple supporting member, a co-operating rotary die which is formed of a plurality of parts and means permitting automatic relative movement between the parts, the parts in one relative position conjointly providing a recess the surface of which operates to turn over the legs of a staple and in another relative position leaving a part of the surface projecting beyond the remainder of the surface thus enabling the said projecting part to apply a final flattening pressure to the turned over legs.

2,043,559
PRODUCTION OF ENAMELWARE
Jacob E. Rosenberg, Pittsburgh, Pa., assignor to The O. Hommel Company, a corporation of Pennsylvania
No Drawing. Application June 3, 1935, Serial No. 24,705
17 Claims. (Cl. 91—73)

1. The method herein described of forming upon and bonding securely to the surface of an article of iron a coating of glass free from blue cobalt coloration which comprises fusing immediately upon the surface of said iron a layer of glass which in fused condition contains an iron erosive agent in addition to the usual glass components, which agent makes the glass in fused condition erosive of said iron, and also a com-

pound of a metal less electro-positive than cobalt and capable of being replaced by iron in said compound, said compound being present in an amount sufficient to plate its metal upon the surface of said iron but not sufficient to form a continuous plating, whereby said iron is discontinuously protected from erosion by said glass and said glass pits said iron and interlocks therewith upon cooling.

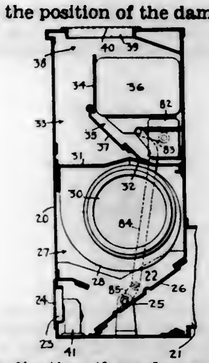
2,043,560
DISTRIBUTING CARRIER FOR MAIL AND THE LIKE
Thomas W. Savage, Reading, Mass.
Application February 13, 1935, Serial No. 6,407
2 Claims. (Cl. 312—62)



1. A mail rack particularly for use by rural carriers in transporting and delivering mail along their routes, said rack comprising a single compact main receptacle of a size adapted to the convenient reception and positioning of a batch of pieces of mail such as customarily strapped up in a single bundle by such rural carriers, said receptacle having integral sheet-metal vertical side and rear walls of a height not substantially exceeding that of the mail pieces and being wholly and permanently open at the front and top, a horizontal flat and unobstructed sheet-metal bottom wall carried by said vertical walls, a vertically disposed presser member swiveled for self-paralleling flatwise clamping contact against the upright forwardly facing addressed face of the outer piece of mail irrespective of the distance of the latter from the rear wall of the receptacle, a swinging arm pivotally supported on a wall of the receptacle and carrying said swiveled presser member, spring means urging said arm and presser member inwardly, said presser member and its supporting means being of such open structure as to leave the vertical front face of the engaged mail piece substantially unobscured and cooperating with the vertical walls of the receptacle to present the letters for successive withdrawal in an upward and forward direction, and attaching means for readily detachably supporting said mail rack as a whole in convenient fixed position upon the letter carrier's vehicle.

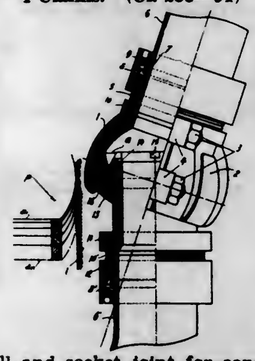
2,043,561
APPARATUS FOR CONTROLLING AND INDICATING AIR VOLUME
James E. Sims, Bridgeport, Conn., assignor, by mesne assignments, to Reconstruction Finance Corporation, New York, N. Y., a United States corporation
Application August 25, 1932, Serial No. 630,421
13 Claims. (Cl. 98—39)

2. A heating and ventilating unit having an inlet chamber at or near its bottom having openings at its front and back, a damper mounted in said chamber and adapted to close the openings, and pneumatic means located at the front opening for controlling the position of the damper and simul-



taneously indicating the volume of air entering the unit through one of said openings.

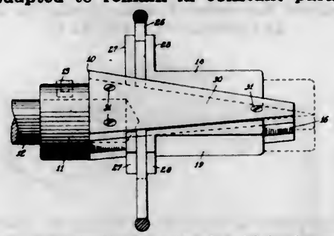
2,043,562
FLUIDTIGHT COUPLING
Henri Tailleferre, Paris, France
Application November 22, 1934, Serial No. 754,242
In France November 23, 1933
4 Claims. (Cl. 285—91)



1. A ball and socket joint for connecting together two tubular members intended to contain a fluid under a high pressure, which comprises, in combination, an outer joint element, an inner joint element adapted to fit in said outer joint element, a plurality of annular cup-shaped members disposed inside said outer element between it and the inner element, said members bearing tangentially without interruption along their whole periphery on the inner wall of at least one of said elements, means for axially spacing said annular members at given intervals from one another, so that the respective pressures in the successive intervals, from the inside toward the outside have values decreasing from the pressure inside said joint down to a pressure but very little higher than the pressure of the medium surrounding said joint.

2,043,563
CLUTCHING DEVICE
Edward J. Tenny, Paterson, N. J.
Application February 26, 1934, Serial No. 712,882
4 Claims. (Cl. 242—72)

4. A clutching device adapted to fit at one end a spindle, said device comprising a tapered body member adapted at the opposite and smaller end for insertion into a core and having longitudinal grooves with bottom surface of a taper corresponding to that of said body member, jaw elements movable in the respective grooves and having a reverse taper of the same degree as the body member on the face which contacts the bottom surface of the grooves and an opposite face adapted to remain in constant parallelism

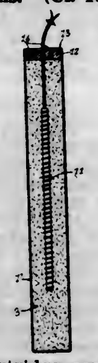


with the longitudinal axis of said body member, and an annular carrier disk member encircling said body member and jaw elements to retain the latter and maintain their position longitudinally of the body member, said disk being nonrotatable with respect to the body member and only one of said members being axially movable.

2,043,564
METHOD OF PREPARING ARTIFICIAL SPONGES
Leon Pierre Georges Vautier and René Fays, St.-Just-des-Marais, Oise, France, assignors to Comptoir des Textiles Artificiels, a corporation of France
No Drawing. Application November 10, 1933, Serial No. 697,468. In France November 14, 1932
8 Claims. (Cl. 18—48)

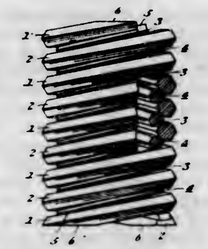
1. A process for the preparation of artificial sponges which comprises intimately mixing 150 parts by weight of high viscosity viscose with from 600–1200 parts by weight of sodium sulfate decahydrate and 5–9 parts by weight of hemp fiber, forming said mixture in molds, coagulating said molded mixture in contact with an exterior layer of sodium sulfate decahydrate, separating said sodium sulfate decahydrate from the sponges thus formed, treating said sponges with sulfuric acid, and thereafter bleaching said sponges.

2,043,565
BLASTING CARTRIDGE
Guillaume Weber, Hayange, France, assignor to Les Petits-Fils De Francois De Wendel & Cie., Paris, France
Application October 4, 1933, Serial No. 692,063
In France November 9, 1932
4 Claims. (Cl. 102—6)



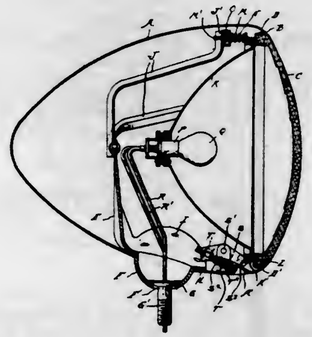
1. A blasting cartridge comprising solid carbon dioxide in the form of small pieces, a heating element adapted to produce the heat necessary to cause the instant vaporization of said carbon dioxide, and a flexible and insulating envelope permeable to gas containing said carbon dioxide and said heating element and adapted to allow gaseous carbon dioxide issuing from said solid carbon dioxide to escape out of said envelope.

2,043,566
MULTIPLE COIL FRICTION DEVICE
Oscar R. Wikander, Pittsburgh, Pa., assignor to Edgewater Steel Company, Oakmont, Pa., a corporation of Pennsylvania
Application May 17, 1935, Serial No. 22,009
15 Claims. (Cl. 267—61)



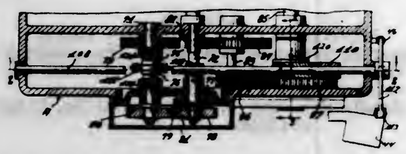
1. A multiple coil friction device comprising a plurality of inter-twined helical outer coils, and an inner coil, the inner and outer coils having contacting surfaces which are inclined to the axis of the device.

2,043,567
HEAD LAMP
Norbert P. Worden, Detroit, Mich., assignor to C. M. Hall Lamp Company, Detroit, Mich., a corporation of Michigan
Application October 16, 1933, Serial No. 693,863
Renewed March 2, 1936
7 Claims. (Cl. 240—41.5)



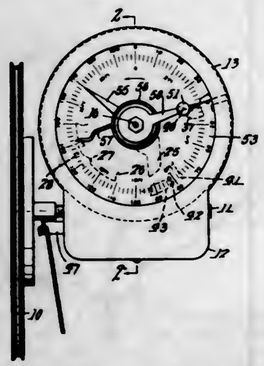
6. In a vehicle lamp, the combination of a standard, a lamp casing mounted on said standard, a bracket extending upward from said standard within said casing and independent thereof, a lamp assembly including a reflector mounted on said bracket, a lens insertable within and seated upon said casing and means abutting said bracket for resiliently pressing said reflector against said lens.

2,043,568
CLUTCH MECHANISM
George F. Yager and Oliver J. Heath, Toledo, Ohio, assignors to The Bunting Brass and Bronze Company, Toledo, Ohio, a corporation of Ohio
Application October 26, 1933, Serial No. 695,347
2 Claims. (Cl. 192—33)



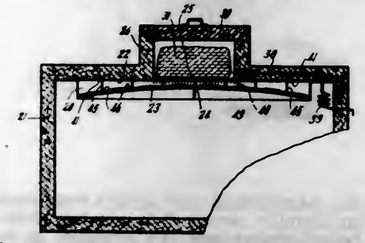
1. In combination, a driven shaft, drive means for the driven shaft, a clutch controlling the operation of the driven shaft by the drive means, a rotatable shaft, a driving connection between the rotatable shaft and the driven shaft including a gear on the rotatable shaft, actuating means for said clutch including a rockshaft, a shifter fork carried by the rockshaft and operatively connected to said clutch, a rocker arm rigid intermediate its ends with the rockshaft, an operating pedal, a link terminally connected to said pedal and rocker arm, and a spring anchored at one end and connected at the other to said rocker arm, and means for limiting rotation of the rotatable shaft to one complete revolution each time the pedal is depressed including a ring fixed to and projecting laterally from one side of the gear, the outer edge of said ring being substantially parallel to said side of the gear and having a recess therein, an arm rigid with the rockshaft, and an anti-friction element carried by the last mentioned arm and alternately engageable with the edge and recess.

2,043,569
YARN MEASURING DEVICE
John A. Adell, Orange, Mass.
Application April 6, 1934, Serial No. 719,345
10 Claims. (Cl. 33—132)



7. In a measuring machine of the character described, the combination of a ratchet wheel, a rotary cam on one side of the wheel, a lever pivoted on a stationary axis on the other side of the wheel and having a projection extending over the wheel into the path of the cam to be operated thereby, and an advancing pawl pivoted on the lever and engaging the teeth of the ratchet wheel to operate it.

2,043,570
METHOD OF AND MEANS FOR CONTROLLING LOW TEMPERATURE REFRIGERANTS
William F. Baird, Lexington, Mass.
Application November 7, 1931, Serial No. 573,581
19 Claims. (Cl. 62—91.5)



18. Apparatus for controlled heat transfer by the distillation of a volatile liquid comprising a closed system having a portion exposed to a warmer region and a second portion in heat exchanging relation to a cooler region, and within said closed system a quantity of volatile liquid such that whenever said warmer region is at the desired temperature substantially all of said volatile liquid is in a congealed mass adjacent to said second portion of said closed system.

2,043,571
EXPANSION JOINT
Charles C. Bargreen, Streator, Ill.
Application September 4, 1931, Serial No. 561,286
5 Claims. (Cl. 94—18)

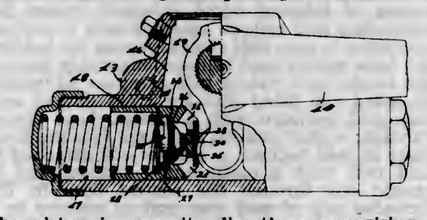


1. An expansion joint for pavements to be located between adjacent pavement sections comprising a pair of separated angle members having substantially vertical walls and upper horizontally disposed walls the horizontal walls being directed away from each other, means for anchoring the angle members to the contiguous pavement sections, a tread plate loosely mounted on the upper horizontally disposed walls, a channel iron connected with the bottom of the tread plate, a T-iron connected with said channel iron and projecting down between the angle members and a rod extending through the angle members and the T-iron, and opposing spring members mounted between the vertical flanges of the angles and the stem of T-iron to hold the latter in operative position.

2,043,572
VALVE FOR SHOCK ABSORBERS
Fred P. Becker, Monroe, Mich., assignor to Monroe Auto Equipment Company, Monroe, Mich., a corporation of Michigan
Application July 15, 1929, Serial No. 378,451
Renewed November 28, 1934
8 Claims. (Cl. 267—8)

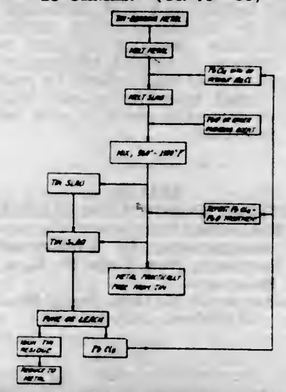
5. In a fluid shock absorbing device, a casing, a piston slidably supported in said casing having a recess communicating with the casing at one side of the piston and having a port establishing communication between the recess and casing at the opposite side of the casing, means engaging the plunger to move the same in one direction,

axially spaced shoulders in said recess, spring means extending in the recess and engaging one of said shoulders to move the piston in the opposite direction, and means for controlling the flow of fluid through the port upon movement of



the piston in opposite directions comprising a combined check and pressure relief valve slidably supported within the space between the shoulders and arranged to seat against one or the other of said shoulders.

2,043,573
PROCESS FOR RECOVERING TIN
Jesse O. Betterton, Metuchen, N. J., and Charles N. Waterman, Monterrey, Mexico, assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application May 26, 1934, Serial No. 727,674
15 Claims. (Cl. 75—85)



1. The process for treating a tin-bearing lead alloy which comprises oxidizing the alloy in the molten state in the presence of lead chloride thereby concentrating the tin as a slag, recovering lead chloride from said slag whereby the tin remains as a residue, treating additional quantities of such an alloy with the lead chloride so recovered and reducing the tin residue to metal.

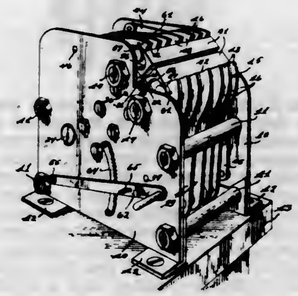
2,043,574
PROCESS FOR TREATING METALS
Jesse O. Betterton and Albert J. Phillips, Metuchen, N. J., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application July 19, 1934, Serial No. 736,042
16 Claims. (Cl. 75—78)

1. The process of detinning tin-containing metals which comprises concentrating the tin content thereof in an alkaline carrier slag containing an oxidizing agent for the tin, said carrier slag being inert with respect to the tin oxide resulting from the reaction of the oxidizing agent upon the tin.

2,043,575
PROCESS FOR DETINNING LEAD ALLOYS
Thomas D. Jones, Metuchen, N. J., and John C. Reinhardt, Omaha, Nebr., assignors to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application May 21, 1935, Serial No. 22,558
6 Claims. (Cl. 75—78)
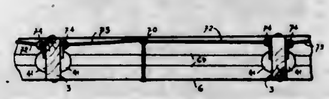
1. The process for detinning a lead alloy which consists in mixing a bath of said alloy and a slag comprising lead chloride and lime thereby concentrating tin as tin oxide in said slag.

2,043,576
MACHINE FOR APPLYING BELT FASTENERS
Orville B. Briggs and Albert L. Lamb, Toledo, Ohio, assignors to Safety Belt-Lacer Company, Toledo, Ohio, a corporation of Delaware
Application January 30, 1933, Serial No. 654,352
16 Claims. (Cl. 1—49.4)



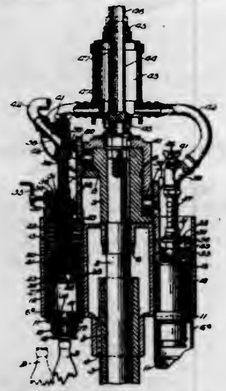
1. In a device of the class described, the combination with a pair of jaw supports rockably journaled on fixed pivots, of jaw members, and means for uniformly simultaneously adjusting said jaw members with respect to their respective jaw supports.

2,043,577
ROOF FOR MOTOR CARS AND OTHER VEHICLES
Otto Brupbacher, Lucerne, Switzerland
Application August 20, 1931, Serial No. 558,290
In Switzerland June 26, 1930
4 Claims. (Cl. 296—105)



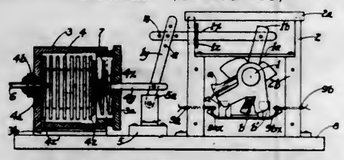
1. In a vehicle roof, a pair of side stringers having confronting faces provided with guide channels, a plurality of purlins extending between said stringers and provided with guide means cooperating with said channels, a plurality of pairs of links connecting adjacent purlins adjacent the ends thereof and having a rod extending parallel to the purlins to form a pivot common to said links, and a roof covering attached to said purlins and overlying said links and rod, the links attached to one of the connected purlins being shorter than the links connected to the adjacent purlin.

2,043,578
PUMP FOR FILLING MACHINES
Louis De Markus, Pittsburgh, Pa., assignor to McKenna Brass & Manufacturing Company, Inc., Pittsburgh, Pa., a corporation of Pennsylvania
Application May 8, 1931, Serial No. 535,884
21 Claims. (Cl. 226—103)



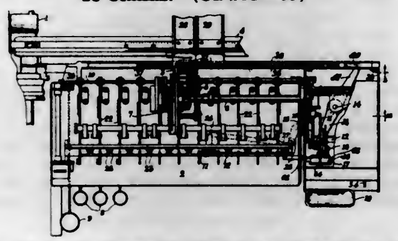
1. In a filling machine, a source of liquid and a pump for discharging a measured quantity thereof comprising a body, means for reciprocating the same, a stop on the body, a pump cylinder carried by the body, yieldable means urging the cylinder against the stop, a piston slidable in the cylinder, yieldable means urging the piston into the pump cylinder, a stop for limiting such movement, a rod for the piston, the rod being hollow and adapted for the supplying of liquid to the pump cylinder, and a flexible connection from the hollow piston rod to the source of liquid.

2,043,579
AUTOMATIC PRESSURE-CONTROL FOR ELECTRIC PUMPS
Ralph R. Edrington and Welton C. Watson, Louisville, Ky.
Application January 18, 1935, Serial No. 2,332
1 Claim. (Cl. 200—83)



An automatic pressure-control for electric motor-driven pumps, of the character described, comprising: an oblong base-plate; a fume-proof switch-casing securely mounted thereon; a two-pole electric switch, toggle-operative, in the circuit of said motor, installed in said casing and provided with a long, operative handle adapted to oscillate back and forth a considerable distance without shifting the contacts to open or close the switch; a long, thin switch-arm having a pintle-attachment to the outer end of said switch-handle and extending out through a narrow slot in said switch-casing; a plurality of pintle-attachment holes in the outer end of said switch-arm for adjustment in length; slotted means fastened over the arm-slot in said casing to prevent the ingress of gas to the switch-casing to reduce the danger of an explosion from the switch-spark in operation; a cylindrical bellows-case mounted on said base-plate adjacent to said switch-casing; a bellows provided with front and back plates and operatively installed in said case and adapted to be expanded by means of internal liquid pressure; means for expanding said bellows intermittently in normal operation to open said switch; means for holding the back end of said bellows immovably against the inside back end of said case; an adjustable threaded cap fitted into the front end of said case and provided with a central bore therethrough; a short central post fixed into the front plate of said bellows; a plunger-rod attached to said post with a pintle-hinge and adapted to extend out through the central bore in the threaded cap of said case and to connect in a pintle-hinge with a swinging lever having its lower end hinged in a low post fixed in said base-plate, between said switch casing and said bellows-case and its upper-end attached to the outer end of said switch-arm to close said switch when said bellows expands and to open the switch when the bellows is forced back; means in the upper end of said swinging lever for adjusting its length in making the attachment to said switch-arm to maintain normal working efficiency in said switch in the event of predetermined variation in the normal working pressure in said bellows; and a helical spring of predetermined force-gradient installed in said bellows-case between said belows and said threaded cap and adapted to be graduated in its predetermined, normal operative pressure by said adjustable cap and designed to exert a continuous pressure on the front end of said bellows to push it back when the liquid pressure in said bellows falls below a predetermined force, to open said switch again, as described.

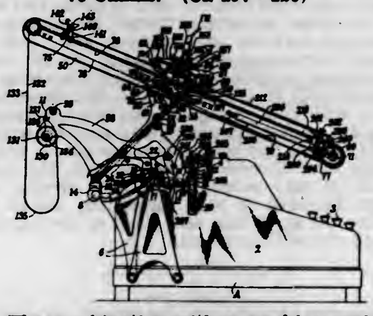
2,043,580
WRITING COMPUTING MACHINE
Harry A. Foothorap, Harrisburg, Pa., assignor, by mesne assignments, to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application April 25, 1931, Serial No. 532,812
18 Claims. (Cl. 235—59)



1. In a machine of the class described, the combination of a plurality of spaced sets of column register wheels; a plurality of spaced sets of crossfooter register wheels, the spacing between adjacent sets of column register wheels differing from the spacing between adjacent sets of crossfooter wheels; an actuator common to several sets of column register wheels, the column register wheels and their actuator being relatively shiftable in letter spacing direction; an actuator common to several sets of the crossfooter register wheels, the crossfooter register wheels and their actuator being relatively shiftable in letter spacing direction, to enable a complete traverse of the actuator and the plurality of crossfooter registers relatively to each other

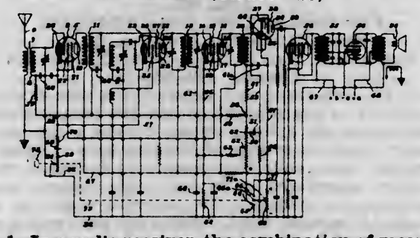
by intermittent continuous movement, before restoration to their initial positions; and means to effect relative shifting of the corresponding sets of column and crossfooter register wheels and their respective actuators through like increments of movement during the entry of amounts therein, and through unlike increments of movement after the entry of an item in one corresponding pair of column and crossfooter registers, and prior to the entry of an item in the adjacent corresponding pair of column and crossfooter registers during the complete traverse of the actuator and the alined cross footer registers, relatively one to the other, without restoration to their initial positions.

2,043,581
COLLATING MEANS
Harry A. Foothorap, Harrisburg, Pa., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application October 23, 1934, Serial No. 749,611
76 Claims. (Cl. 197—126)



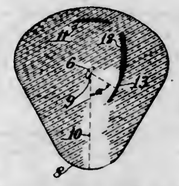
1. The combination with a machine equipped with printing devices; of a collating frame, and platen; means carried by the collating frame to enable the collation of sheets thereon, and adapted for advance along the frame, through a predetermined distance with the collated sheets, to cause the bottom ends of the sheets to depend in front of the platen; and spring-driven means rotatable circumferentially of the platen, and settable to cocked position, to confine the depending sheets when thus advanced; the cocked means, when tripped, adapted to return circumferentially of the platen to its normal position, and wrap the collated sheets about the platen.

2,043,582
RADIO RECEIVER
Lester T. Fowler, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application January 30, 1934, Serial No. 708,956
17 Claims. (Cl. 250—20)



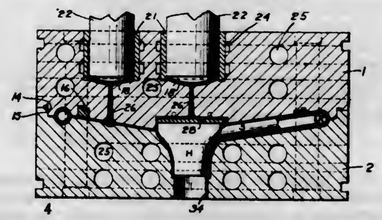
1. In a radio receiver, the combination of means providing silent tuning, and means for conjointly adjusting the initial point of response of said silent tuning and the sensitivity of said receiver, whereby said silent tuning means is effective without signal distortion throughout a predetermined range of signal strength variations.

2,043,583
THERMOMETER
Karl H. Hubbard, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application September 13, 1933, Serial No. 689,216
8 Claims. (Cl. 73—52)



7. A thermometer including a transparent glass thermometer tube having a reading face and a bore provided with a flattened surface inclined to the axis of symmetry of the reading face of the tube, the angle between said axis and the normal to said surface being greater than the critical angle of the glass to the unfilled bore, a bulb containing a transparent liquid communicating with said bore, a colored strip substantially coextensive in length with and positioned behind the bore in the tube, and a second strip of different appearance from the first strip and positioned at one side of the axis of symmetry, said second strip being oriented with respect to the flattened surface of the bore so that rays from said second strip are reflected through the reading face of the tube from the surface of the unfilled portion of the bore, whereas rays from said second strip incident on the filled portion of the bore are transmitted therethrough.

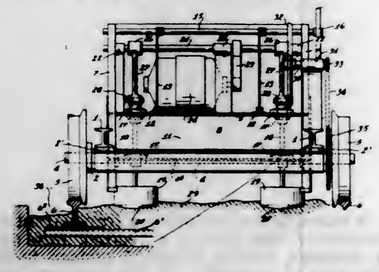
2,043,584
METHOD AND APPARATUS FOR THERMOPLASTIC MOLDING
Harry A. Husted, Akron, Ohio, assignor to Justin W. Macklin, Cleveland, Ohio, trustee
Application February 1, 1936, Serial No. 61,971
10 Claims. (Cl. 18—30)



1. An injection type mold including separable mold members having a plurality of charge injection cylinders in said mold members, gates connecting said cylinders to a single cavity, the volume of said cavity being greater than the volume of any one of said charge injection cylinders, said injection cylinders and gates being arranged to effect a minimum distance of travel of the injected material to completely fill the volume

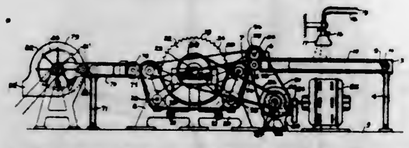
of said cavity, and said gates being arranged to evenly distribute the material to the cavity and discharging thereto through narrow slot-like openings at and parallel with the parting line of the mold.

2,043,585
CONCRETE TAMPING DEVICE
Philip A. Kerwin, Detroit, Mich., assignor to City of Detroit, Department of Street Railways, Wayne County, Mich.
Application July 26, 1933, Serial No. 682,196
5 Claims. (Cl. 104—12)



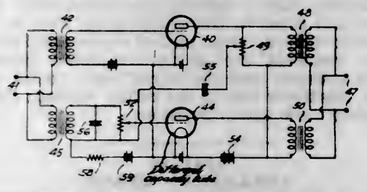
1. The combination with a wheeled truck, of a vertically movable carriage supported therein, a shaft rotatably supported by said carriage and having a plurality of eccentrics thereon, a plurality of vertically reciprocable shafts mounted in said carriage, tampers mounted on the lower ends of said plurality of shafts, connecting rods individually connecting the upper ends of the shafts to said eccentrics, said eccentrics having a comparatively small throw whereby they impart a relatively short stroke to said connecting rods, means for rotating said eccentric bearing shaft at a high rate of speed whereby to reciprocate said tampers at a comparatively high rate, and means for moving said carriage to position said tampers with respect to wet concrete whereby said tampers remain beneath the surface of said wet concrete during said reciprocations.

2,043,586
MACHINE FOR MAKING STUFFING FOR FURNITURE
Jacob Kronheim, Cleveland, Ohio
Application July 28, 1933, Serial No. 682,723
12 Claims. (Cl. 19—66)



1. In a machine for making stuffing for chairs, couches etc. from fibrous material having a curling section, a stationary hollow shaft, a hollow curling drum rotatably mounted on said shaft, a plurality of heating means within said curling drum rigidly mounted on said shaft, means for individual and combined operation of said heating means, means extending through said hollow shaft to said heating means for interconnecting said operating means with said heating means, and an endless curling chain opposite said curling drum for cooperation therewith during curling operations.

2,043,587
DISTORTIONLESS TRANSMISSION SYSTEM
William Walter Macalpine, East Orange, N. J., assignor to Communication Patents Inc., New York, N. Y., a corporation of Delaware
Application January 2, 1932, Serial No. 584,357
6 Claims. (Cl. 179—171)



1. In an electrical amplifying system, a thermionic device adapted to amplify electrical signals, a cathode, an anode and a control electrode for said device, an input circuit for said device connected between said cathode and control electrode, an output circuit for said device connected between said cathode and anode, a second thermionic device having similar input and output circuits, said input circuit being associated with the input of said first thermionic device and said output circuit being associated with the output circuit of said first thermionic device, means for connecting the output circuit of said first thermionic device with the input circuit of said second thermionic device, and means included in said connecting means for varying the amplitude and phase of the currents in said connecting means.

2,043,588
CADMIUM-COBALT BEARING ALLOY
William E. McCullough, Detroit, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich., a corporation of Michigan
Application April 1, 1935, Serial No. 14,177
1 Claim. (Cl. 75—151)

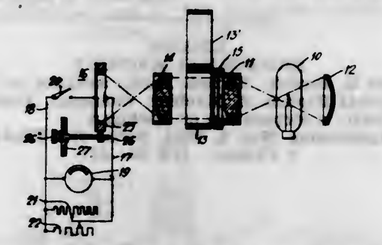


An alloy containing 1.5% to 10% of cobalt and the balance of cadmium.

2,043,589
PHOTOELECTRIC COLORIMETER
Ralph H. Müller, Brooklyn, N. Y.
Application May 31, 1933, Serial No. 673,606
5 Claims. (Cl. 88—14)

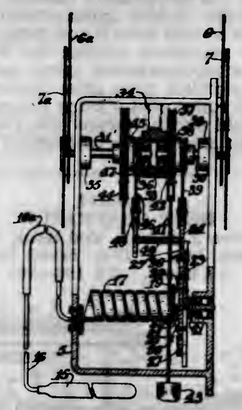
1. In apparatus for determining the transmittancy of translucent bodies, the combination comprising an optical system having a substantially constant source of visible electric illumination, light collecting means including a refractor associated with said light source and adapted to transmit the collected light as a beam of parallel light, means for interposing a translucent body to be examined in said beam, refracting means for converting said parallel

beam into a divergent beam, an electric system having a barrier layer photoelectric element positioned in said divergent beam, current indicating means connected directly to said photo-



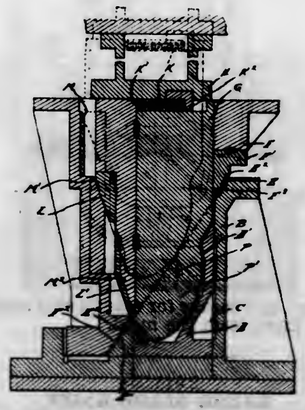
electric element for indicating the current passing in said element, and adjusting means for positioning said element at various points along the optical axis in a desired portion of said divergent beam.

2,043,590
THERMOMETER
Harry Y. Norwood, Rush, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a corporation of New York
Application June 27, 1933, Serial No. 677,873
4 Claims. (Cl. 73—52)



3. In a thermometer, a frame, a dial mounted on opposite sides of the frame, thermo-responsive mechanism including a Bourdon spring having one end attached to said frame, a shaft mounted in said frame coaxially with said spring, a member secured to said shaft, an element mounted on said member and provided with two identical peripheries, said element being radially adjustable with respect to said member, means for translating motion of the free end of said spring into a corresponding movement of said shaft and said element, a pair of shafts mounted in alignment with respect to each other and parallel to said first shaft, an index on each of said shafts of the pair, each index being movable over its respective dial, a flexible connection operating over each of said peripheries of said element to one of said shafts, said connections being effective at opposite sides of said shafts whereby the same are rotated in opposite directions, and means tending to oppose the movements of said pair of shafts due to said connections.

2,043,591
DIE
Peter Peterson, Toledo, Ohio, assignor to City Auto Stamping Company, Toledo, Ohio, a corporation of Ohio
Application June 25, 1934, Serial No. 732,370
11 Claims. (Cl. 113—48)



1. Sheet metal forming means comprising cooperating relatively movable die members, a pair of said members being adapted to marginally clamp the sheet metal blank, a third die member of rigid form movable relative to the other two in a direction oblique to the plane of the clamped blank, and means operating during such relative movement after initial engagement with the blank for changing the direction of said movement.

2,043,592
HAIR CURLING DEVICE
Rocco Pezzella, Washington, D. C.
Application March 31, 1933, Serial No. 663,779
2 Claims. (Cl. 132—33)

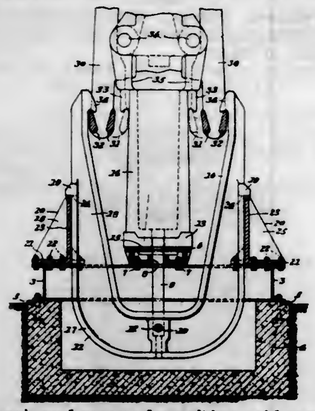


1. In hair waving apparatus, a mandrel on which the hair is to be wrapped, a clasp for securing the base portion of the hair so wrapped, and a tapered thimble that is removably mounted on the mandrel and encircles the free end of the wrapped hair to clamp the same upon the mandrel, said thimble having a continuous end wall at its larger end.

2,043,593
INGOT STRIPPER
William L. Pote, Alliance, Ohio, assignor to The Alliance Machine Company, Alliance, Ohio, a corporation of Ohio
Application May 24, 1934, Serial No. 727,257
6 Claims. (Cl. 22—95)

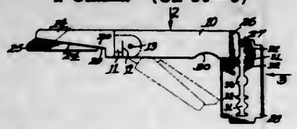
6. A device for stripping an ingot from a mold, comprising a frame, a mold support carried by said frame, a member straddling said mold support and movable vertically relative to said frame, a ram carried by said member, guides for said member, said guides extending upwardly from

said frame, means for holding down a mold on



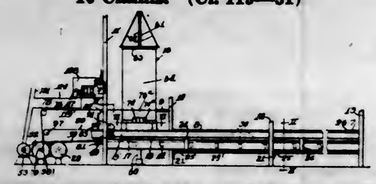
its support, and means for raising said member to strip an ingot from the mold.

2,043,594
RAZOR BLADE KNIFE
Frank Julius Quist, Holden, Mass.
Application July 19, 1934, Serial No. 736,056
1 Claim. (Cl. 30—9)



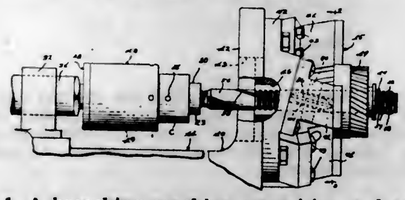
A jack knife comprising a resilient sheet metal handle having its sides spaced apart, a blade holder pivoted thereto near one end, a blade removably mounted in the blade holder, said handle having an integral portion thereof partially separated from it along a transverse line at the end toward the blade holder to form a spring arranged at right angles to the length of the handle, the blade holder having a projection adapted to register with said spring when the blade holder is opened and abut against the spring, whereby the spring will hold the blade holder open.

2,043,595
APPARATUS FOR CONVEYING FEED IN POULTRY HOUSES
Edward H. Raymond, Reading, Mass.
Application December 11, 1933, Serial No. 701,790
10 Claims. (Cl. 119—51)



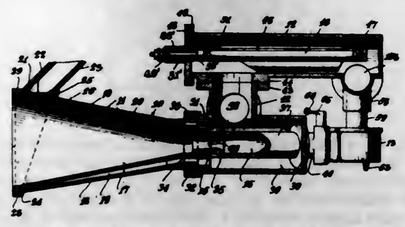
1. In a feed distributing system for use in an animal house, a feed trough extending along one side of said house, tracks formed on the edges of said trough, a draw bar slidable on one of said tracks, paddles at spaced intervals in said trough, supporting means for each of said paddles secured at one end to said draw bar, roller means on the other end of some of the supporting means adapted to roll on the other track, a feed tank for supplying feed to said trough, and means for reciprocating said draw bar to move the paddles and distribute feed along the trough.

2,043,596
BROACHING MACHINE
John D. Rovick, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan
Application May 8, 1933, Serial No. 670,019
2 Claims. (Cl. 90—33)



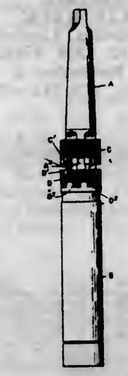
1. A broaching machine comprising a frame, a rotatably mounted broach having spirally arranged cutting teeth and having three or more correspondingly spirally extending grooves in the lands thereof between certain of said teeth, means for moving said broach axially with respect to said frame, means for non-rotatably positioning an article to be broached relative to said broach for engagement thereby, and a plurality of roller guides symmetrically arranged with respect to said broach and engaging in said grooves for accurately guiding the teeth of said broach in a predetermined spiral path with respect to the article upon axial movement of the broach said roller guides being between said article and said moving means and closely axially spaced from said article-positioning means.

2,043,597
HEAT GENERATOR
Jerome J. Sloyan, Red Bank, N. J.
Application July 2, 1932, Serial No. 620,592
4 Claims. (Cl. 158—28)



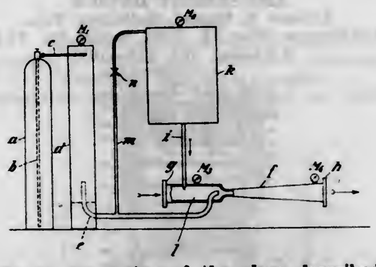
1. In a burner, a casing forming a combustion chamber, an air conduit arranged circumferentially about said casing, said air conduit having an air passage comprising a longitudinal portion extending substantially the length of said combustion chamber and a relatively short circumferential portion annularly disposed with relation to one end portion of said combustion chamber, said circumferential portion opening at one of its sides into one end of said longitudinal portion, said circumferential portion having an opening for the entry of air and positioned to permit air to flow in opposite directions through said circumferential portion, said circumferential portion progressively decreasing in cross-sectional area in opposite directions from said opening toward a point opposite said opening.

2,043,598
ADJUSTABLE TOOL HOLDER
Anton Subia, Detroit, Mich., assignor to Eclipse Counterbore Company, Detroit, Mich., a corporation of Michigan
Application April 1, 1935, Serial No. 14,172
9 Claims. (Cl. 287—62)



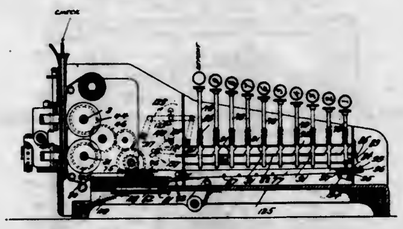
1. In a tool holder, the combination of a driving member and a driven member secured in axial alignment with each other, screw threaded means for adjusting one of said members axially with respect to the other, and differential adjustment means for actuating said screw threaded means normally locked by gravity against accidental displacement.

2,043,599
DEVICE FOR PRODUCING FOAM
Erich Waldschmidt, Berlin-Charlottenburg, Germany, assignor, by mesne assignments, to Pyrene-Minimax Corporation, a corporation of Delaware
Application January 22, 1934, Serial No. 707,808
In Germany January 20, 1933
4 Claims. (Cl. 261—76)



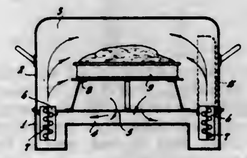
1. In an apparatus of the class described, a container for a highly compressed gas, a vaporizing receptacle connected with said container for vaporizing the compressed gas, a container for a foam-forming solution, an injector-like mixing chamber for said gas under pressure and said solution, a conduit for the vaporized gas extending between said vaporizing receptacle and said mixing chamber, said conduit ending within said maxing chamber before its outlet, connections from said container for the foam-forming solution to said conduit and to said mixing chamber, and a discharge conduit extending from said mixing chamber at or near the outlet whereof said mixture expands for the formation of foam.

2,043,600
PRINTING MACHINE
Edward J. Ward, Brooklyn, N. Y.
Application December 12, 1929, Serial No. 413,609
22 Claims. (Cl. 101—96)



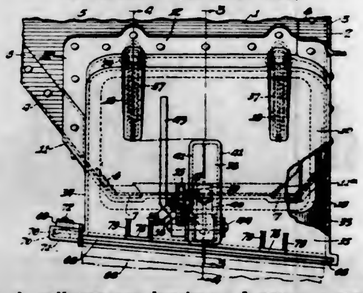
1. In a printing machine including manually operable printing means capable of variable printing positions and an operating handle, an impression head arranged in rear of the printing means, an impression member reciprocated transversely of the head, rollers carried by the member for impression cooperation with the printing means, means carried by the member and automatically actuated in the reciprocation of the member to permit the impression rollers to assume an impression position in one movement of the member and compel said rollers to move to a non-impression position in the other movement of the roller, and means directly operated by the handle for reciprocating the impression head, said means including a band connected to the member, rollers mounted on the head over which the band travels, one of the rollers being designed for driving connection with the band, and a shaft operated by the handle and having a removable connection with the driving roller.

2,043,601
ELECTRIC COOKING OVEN
Jan Hendrik Windemuller, The Hague, Netherlands, assignor to Maatschappij Van Berkel's Patent N. V., Rotterdam, Netherlands, a corporation of the Netherlands
Application October 12, 1935, Serial No. 44,785
In the Netherlands February 27, 1933
2 Claims. (Cl. 219—35)



1. In an electric oven a hollow enclosed base member including a top having a centrally located opening, and a plurality of tubular containers having open ends mounted in said top adjacent the edge, a cover coextensive with the top of the base member and forming with the base member a completely enclosed oven, food supporting means mounted in the oven above the opening and electric heating means mounted in said containers to heat and cause the air to circulate against the side and top of the food upon the supporting means and to pass downwardly through the opening into the hollow base to be reheated by the electric heating means.

2,043,602
RAILWAY CAR
William E. Wine, Toledo, Ohio, and Cyrus Hankins, Washington, D. C.
Application June 22, 1934, Serial No. 731,976
19 Claims. (Cl. 105—249)



13. A railway car having a hopper, a unitary structure rigid with the discharge end of the hopper, said structure consisting of a door frame member defining a lading discharge opening and a chute-like member communicating with the opening forming an extension of the hopper through which lading is adapted to discharge from the car, a door hingedly connected to said structure for closing said opening, and mechanism carried by said chute-like member and movably connected to the door for maintaining the latter in closed position.

19. A railway car having a hopper provided with means defining a substantially rectangular lading discharge opening, said means having grooves extending along two adjoining sides of the opening for receiving the flanged end of an enclosed conduit, said means also having a laterally projecting portion adjacent another side of said opening for cooperating with means adapted to detachably connect the conduit to the hopper.

2,043,603
BAND SAW AND THE LIKE
George A. Allward, Hagerstown, Md.
Application March 1, 1935, Serial No. 8,924
3 Claims. (Cl. 143—133)

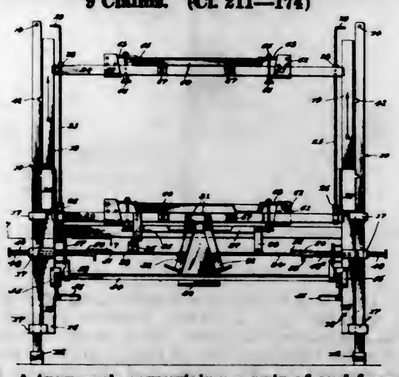


1. A band saw composed of an endless series of tubular sections, round in cross-section, the entire peripheral surface of the sections being a cutting surface and the individual sections being rigid from end to end, and a flexible endless core upon which such sections are threaded the series being coextensive with the core length.

2,043,604
METHOD OF PREPARING WIPING ROLLERS FOR PRINTING
Serge Beaune, Creteil, France, assignor to Société des Procédés Serge Beaune, Creteil, France
No Drawing. Original application May 23, 1929, Serial No. 365,449. Divided and this application February 9, 1934, Serial No. 710,572. In France May 29, 1928
2 Claims. (Cl. 91—67.8)

1. A method of manufacturing wiping rollers for removing the excess of ink or color on printing forms, this method consisting in preparing a supporting core perfectly centered and covering this core with a layer of resilient material made of whiting, wax, glycerine, gelatin and water.

2,043,605
TRAY RACK
Robert C. Burnley, Louisville, Ky.
Application June 27, 1934, Serial No. 732,721
Renewed November 5, 1935
9 Claims. (Cl. 211—174)



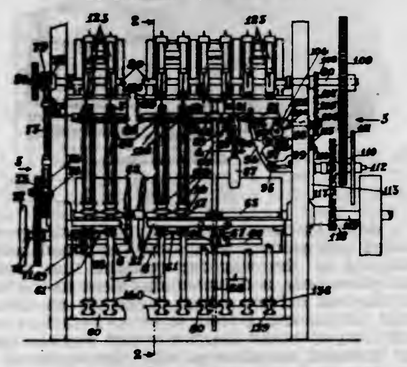
1. A tray rack comprising a pair of end frames, end members vertically adjustable upon said end frames, a tray supporting rail carried by said end members, latching means carried by said end members and engaging said end frames for holding said end members in vertically adjusted relation upon the end frames, and means engaging said end members for exerting an even direct downward pull and for automatically lowering the end members relative to the end frames when said end members are released from the end frames.

2,043,606
AMUSEMENT DEVICE
Ulysses S. Daniel, Ballinger, Tex.
Application May 31, 1935, Serial No. 24,420
1 Claim. (Cl. 273—107)



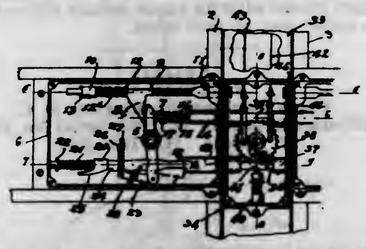
An amusement device comprising a pair of spaced standards, means for securing the standards together, spaced brace bars supported between the upper ends of said standards, an axle carried by the upper ends of the standards and the brace bars, a sleeve on the axle and disposed between the brace bars, a lever secured intermediate the ends thereof to the sleeve, one end of the lever having a receptacle for a projectile, the other end of the lever being free to be struck by a bat or other instrument for causing the projectile to be thrown upwardly, a steel strap pivoted at one end to a brace bar and having the other end free for frictional engagement with the lever and movable towards or away from the lever, a pivotally mounted curved rest movable transversely of the lever and adapted to support said lever at different angles with respect to the horizontal for varying the path of the projectile when the lever is struck.

2,043,607
APPARATUS FOR USE IN THE DRAWING, SPINNING, AND TWISTING OF YARNS
Frank Dawes, Hipperholme, near Halifax, England
Application January 25, 1935, Serial No. 2,518
In Great Britain January 27, 1934
10 Claims. (Cl. 118—54)



1. In a device of the class described the combination with a rotary spindle of an extensible yarn support and means for extending the length of said yarn support along the spindle for gradually lengthening the surface on which the yarn is to be wound.

2,043,608
AUTOMOBILE DOOR LOCK
Gordon A. Dalziel and Harold H. Ableson, Winnipeg, Manitoba, Canada
Application October 28, 1932, Serial No. 640,042
3 Claims. (Cl. 70—14)



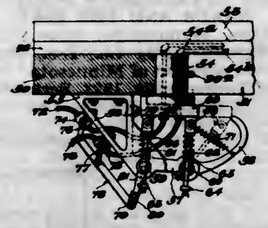
1. In an automobile provided with a plurality of closed doors, the combination of a spring pressed latch bolt normally holding a selected door closed, a handle carried by the latter door and operating when turned in one direction from a neutral point to release the latch bolt, a spring retracted actuating bolt carried by the selected door and shifted by a turning movement of the handle in the opposite direction from said neutral point and against the action of the spring, door bolting means actuated by the latter shifting of the bolt and simultaneously bolting all doors closed and a self-resetting bolt carried by the selected door and actuated by the turning movement of the handle in the original direction and operating in such movement to reset the door bolting means into its original position.

2,043,609
ARTIFICIAL MOUSE BAIT
Willis O. Derry, Sr., Ypsilanti, Mich.
Application August 23, 1934, Serial No. 741,156
1 Claim. (Cl. 43—43)



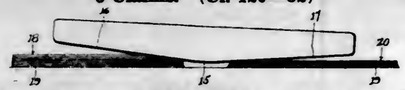
A fish lure comprising a hook-carrying shank, an ear of resilient material, through which the shank passes, a body made of tufts of strands, and a binder extended across the intermediate portions of the tufts, the tufts being folded across the binder, the binder being wound spirally about the shank to hold the tufts thereon, the shank being bare, to facilitate the insertion of the shank through the ear and to enable the tufts to slip back easily on the shank and thus facilitate a compacting of the tufts as the binder is wound.

2,043,610
BRAKE MECHANISM
Wilfred A. Eaton, Pittsburgh, Pa., assignor to Bendix Westinghouse Automotive Air Brake Company, Pittsburgh, Pa., a corporation of Delaware
Application November 22, 1932, Serial No. 643,802
8 Claims. (Cl. 280—33.1)



1. In combination, a tractor vehicle, a trailer vehicle, fluid conduits on said tractor and trailer respectively, means for coupling said vehicles together comprising a coupling device on the tractor, a king-pin on the trailer, a ported member carried by the tractor, connected to said tractor carried conduits and adapted to be engaged and moved by said king-pin during relative movement between said vehicles during coupling thereof, valvular means in said tractor conduits, and means operable during movement of said king-pin and member for operating said valvular means to establish communication between said tractor and trailer carried conduits.

2,043,611
PAPER WEIGHT
Albert G. Ellinwood, Goldsboro, N. C.
Application August 16, 1935, Serial No. 36,602
6 Claims. (Cl. 120—82)



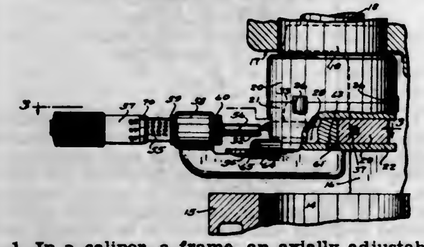
1. A paper weight comprising a rectangular body having its lower face formed with a pair of oppositely extending inclined stretches extending upwardly from their inner ends to the end edges of said body.

2,043,612
ROLL FILM CAMERA
Paul Frost, Munich-Neuharlaching, and Ludwig Beckenbauer, Munich, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application November 16, 1934, Serial No. 753,394
In Germany November 14, 1933
4 Claims. (Cl. 95—31)



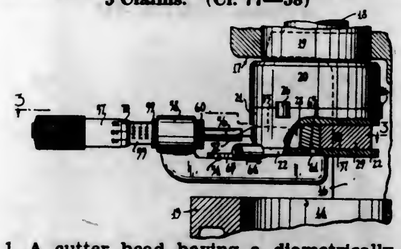
1. In a roll film camera in combination, means for guiding a roll film, a casing, and means sliding in said casing normally out of engagement with said film and adapted to frictionally engage said film for advancing the latter.

2,043,613
CALIPER ATTACHMENT FOR CUTTER HEADS AND THE LIKE
Carl O. Hane, Minneapolis, Minn., assignor to Storm Manufacturing Co., Inc., Minneapolis, Minn., a corporation of Minnesota
Application November 20, 1933, Serial No. 698,784
13 Claims. (Cl. 33—185)



1. In a caliper, a frame, an axially adjustable pin mounted on the frame, a pair of co-operating members carried by the frame, one of said members being fixed relative to the frame and the other being relatively movable, said two members having co-operating graduations, and means for releasably attaching the frame to a rotatable head having an adjustable cutting tool, an axial seat and a peripheral seat, said means including a stud on the frame arranged to enter said axial seat, said means also including a latch member arranged to enter said peripheral seat and hold the frame with the pin in predetermined relation to the cutting tool, whereby when either the pin or the cutting tool is adjusted to impinge the one with the other the diameter of a bore cut or to be cut by the cutting tool may be determined by a reading of the graduations.

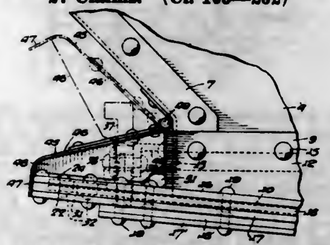
2,043,614
CUTTER HEAD FOR BORING MACHINES
Carl O. Hane, Minneapolis, Minn., assignor to Storm Manufacturing Co., Inc., Minneapolis, Minn., a corporation of Minnesota
Application October 22, 1934, Serial No. 749,350
5 Claims. (Cl. 77—58)



1. A cutter head having a diametrically extended tool guiding way, a tool-equipped holder mounted in the way for straight line sliding movement only, a movable abutment in the way for the tool holder, a feed device for the abutment comprising a feed screw swivelled at one end in an anchored member in said way and having threaded engagement with the abutment at its other end, and a detent releasably connecting the tool holder to the abutment for common movement therewith, said detent being operable to release the tool holder by straight line movement of the tool holder in the way relative to the abutment.

5. A cutter head having a radially adjustable cutting tool and an axially disposed caliper frame centering seat in the lower face thereof, said seat having a circumferentially extending retaining channel for the inner end of the caliper frame, and said head having a peripheral notch radially disposed with respect to the axis of said seat and adapted to cooperate therewith to support the caliper frame with its gauge axially aligned with the radial tool of said head.

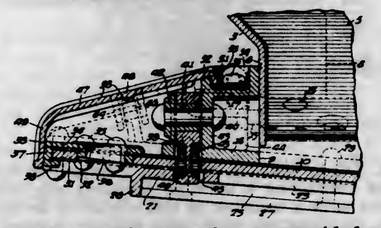
2,043,615
RAILWAY CAR
Cyrus Hankins, Washington, D. C.
Application December 12, 1933, Serial No. 702,075
27 Claims. (Cl. 105—282)



1. A railway car having a hopper provided with a lading discharge opening, a door for closing

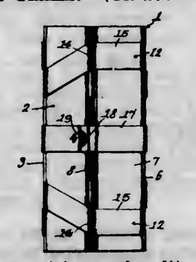
the opening, said door when in closed position being disposed in a substantially horizontal position and having a portion projecting laterally beyond an adjacent side of the hopper, and means associated with the car for housing said projecting portion of the door when the door is in closed position, said means including a movable cover member adapted to overlap the upper face of said portion of the door.

2,043,616
RAILWAY CAR
Cyrus Hankins, Washington, D. C.
Application December 23, 1933, Serial No. 703,811
20 Claims. (Cl. 105—282)



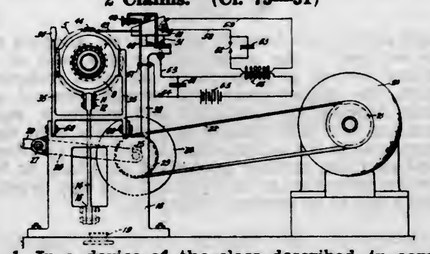
1. A railway car having a hopper provided with a lading discharge opening, a door frame rigid with the hopper and having a lateral projection extending beyond the latter, a door slidably mounted on the frame for closing said lading discharge opening, said lateral projection involving a wall attached to the hopper and a plate portion above the door extending outwardly from said wall adjacent the upper portion thereof, said plate portion being provided adjacent its outer edge with an unstanding rib, and said door when in closed position having a portion disposed outwardly of the outer edge of the plate portion, and movable means adapted to overlap the upper face of said portion of the door, said movable means when in lapping relation with the door extending forwardly from said plate portion and having a portion overlapping the inner face of said upstanding rib.

2,043,617
CARRYING AND DISPLAY CASE
Linton Alfred Haughawout, North Bend, Oreg.
Application November 2, 1935, Serial No. 48,022
2 Claims. (Cl. 206—6)



1. A case comprising a plurality of longitudinal slats forming the side walls of the case, means for joining adjacent slats together flexibly, and end pieces carried by the respective slats, the end pieces being of such shape and area that when a group of slats, less than the whole number of slats, are so disposed as to give the case a polygonal cross section, the end pieces of the slats of said group will form openings in the ends of the case, and the end pieces of the remaining slats being of such shape and area that the said remaining slats and the end pieces thereon will fit in the openings, when the case is closed spirally.

2,043,618
BALANCING MACHINE
Clinton H. Havill, South Orange, N. J., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application January 16, 1932, Serial No. 587,137
2 Claims. (Cl. 73—51)



1. In a device of the class described, in combination, bearing means for the body to be balanced, a plurality of vertically disposed standards the upper sections of which are hinged to the lower sections thereof for releasably engaging said bearing means, and resilient means supporting said bearing means whereby the body to be balanced may vibrate freely, but only when said upper sections are disengaged from said bearing means.

2,043,619
PLOW
Tom A. Henley, Vilonia, Ark.
Application June 13, 1935, Serial No. 26,456
5 Claims. (Cl. 97—123)



1. In a plow the combination with a frog, a point attached thereto and share plates secured on the frog and extending to the point, of separate fingers detachably secured to the frog and curved backwardly and laterally from each of the share plates, said fingers being arranged in groups, lugs on the backs of the fingers cooperating to hold the fingers of each group spaced apart to form a slotted wing, and connecting means extending through the lugs of each group to hold them together against relative movement.

2,043,620
GARMENT HOLDER
Grover C. Hoffman, New York, N. Y.
Application April 28, 1934, Serial No. 722,932
Renewed October 2, 1935
1 Claim. (Cl. 211—31)

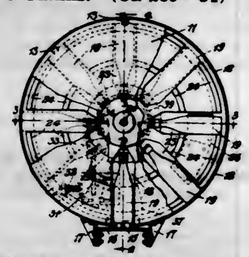
As an article of manufacture, a hat holding bracket of the type adapted to hold a hat in an inverted position against the ceiling of an automobile body, comprising an elliptical shaped wire loop with ends of the respective sides extending

at one end and having coil springs in said ends and positioned below the plane of said loop, the extreme ends of said end members also extending downward below the plane of said loop and at an angle greater than 90° from said plane; and in combination therewith, receiving means for the downwardly extending extreme ends of the said end members comprising tubular sockets open at their upper ends, and a bracket in which



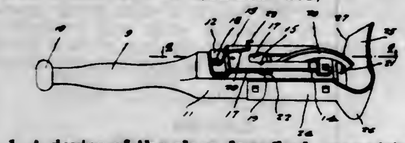
said sockets are formed, said bracket adapted to be secured to the inner surface of a wall of a motor vehicle and spaced a sufficient distance from the ceiling thereof to permit removal of said downwardly extending end members, said bracket and loop formed to resiliently hold the loop against the ceiling when in the free position, and said coil springs permitting said loop to be drawn downward to receive a hat and also to permit a hat to be removed therefrom.

2,043,621
FLUID MIXER
Ernest S. Judd, Nashville, Tenn.
Application December 24, 1934, Serial No. 759,111
3 Claims. (Cl. 259—54)



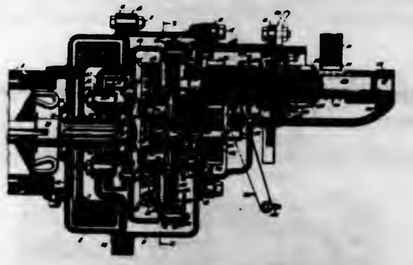
1. In combination with a traveling conveyor, a stationary casing overlying the conveyor, means within said casing for inverting bottles or containers on said conveyor and returning them thereto, a drive shaft for said means and means in front of said casing connected to said shaft for controlling feeding of bottles or containers to the casing.

2,043,622
LOG PEELING IMPLEMENT
James Krofta, Penoka, Alberta, Canada
Application August 29, 1934, Serial No. 741,965
2 Claims. (Cl. 144—208)



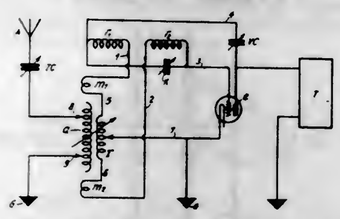
1. A device of the class described, comprising a handle, a substantially angle-shaped blade member including a shank and a blade part, means for connecting the shank to a side portion of the handle with the blade part extending across and spaced from the adjacent end of the handle, the lower edge of the blade part being beveled and said blade part sloping downwardly toward said end of the handle from its upper edge to its beveled edge.

2,043,623
ENGINE STARTING APPARATUS
Raymond P. Lansing, Montclair, and Romeo M. Nardone, East Orange, N. J., assignors, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application June 20, 1932, Serial No. 618,396
11 Claims. (Cl. 123—179)



1. In an engine starting mechanism of the type employing a member movable into engagement with a member of the engine to be started, the combination with said engine member and engine-engaging member of manually operable means for effecting engagement of said members, driving means for said members including a driving member and a friction clutch normally disengaged from but movable to engage said driving drum to be driven thereby, said clutch being engageable by the motion imparted thereto through actuation of said manually operable means, and ratchet means connecting said clutch with said engine engaging member, said ratchet means being releasable only when the engine member overruns the engine engaging member.

2,043,624
METHOD AND MEANS FOR DIRECTION FINDING
August Leib, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application January 27, 1932, Serial No. 589,100
In Germany June 15, 1926
7 Claims. (Cl. 250—11)



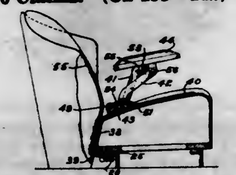
1. A directional receiver to be used adjacent metallic structures which tend to re-radiate signal energy comprising, a frame aerial circuit including a plurality of series inductances, the first of which inductances is rotatable and is exposed to the direct field of the signal energy, the second of said inductances being also rotatable with said first named inductance, a third one of said inductances being stationary with respect to said rotatable inductances, and a vertical aerial circuit including an inductance coupled to said second and third inductances.

2,043,625
ADJUSTMENT OF THE CARRIAGE OF MACHINE TOOLS
Herbert Lindner, Berlin, Germany
Application February 8, 1935, Serial No. 5,680
In Germany May 12, 1934
5 Claims. (Cl. 33—161)



1. In combination, a pair of machine tool elements one of which is slidably mounted on the other, means for effecting adjustment of the slidable element on the other element, a scale carried by one of said elements, a microscope carried by the other element and including index means, said microscope including the scale in its field, and micrometric means associated with the microscope for shifting the index means micrometrically over the scale.

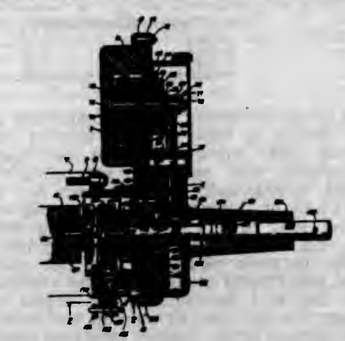
2,043,626
ARM REST
Willard L. Morrison, Lake Forest, Ill.
Application October 3, 1932, Serial No. 635,906
6 Claims. (Cl. 155—112)



1. An arm rest for a seat having a removable seating cushion and a back cooperating with the cushion, said arm rest comprising a bracket having an upper arm extending forwardly over and in direct contact with the top of the cushion and a lower arm extending forwardly beneath the cushion and a portion connecting the upper and lower arms and disposed between the rear of the cushion and the back of the seat, an arm rest normally disposed above and spaced from the top of the cushion, and a plurality of carrier members having their upper ends pivotally attached to said arm rest and having their lower ends pivotally attached to means on the rear portion of said upper bracket arm, certain of said members being formed with means cooperable with said arm rest to support the latter in normal position and to permit swinging movement of said arm rest rearwardly toward and into substantially parallel position relative to said back when said arm rest is not in use.

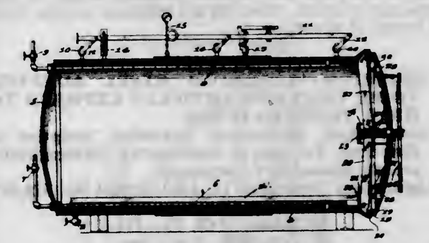
2,043,627
STARTING MECHANISM
Romeo M. Nardone, East Orange, N. J., assignor to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Original application May 8, 1931, Serial No. 536,031. Divided and this application September 20, 1935, Serial No. 41,467
9 Claims. (Cl. 123—179)

1. In an inertia starter for internal combustion engines, in combination with an inertia element, a manually operable meshing member, operatively connected with said inertia element to be driven thereby, an engine member, a manually operable shaft for energizing the inertia element of the starter to store therein sufficient energy for cranking purposes, a second meshing



member extending through said first named meshing member and movable axially to engage and crank said engine member and means (including said second-named meshing member as an essential part thereof) for operatively connecting said manually operable shaft with said inertia element.

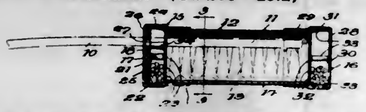
2,043,628
DOOR OR CLOSURE FASTENER FOR RETORTS
Thomas W. Reid, South Bellingham, Wash., assignor to Bellingham Iron Works, Inc., South Bellingham, Wash.
Application April 1, 1935, Serial No. 14,187
8 Claims. (Cl. 220—57)



1. In an apparatus of the class described a receptacle having a door frame, a door cooperating with said frame, a worm positioned on the central portion of the door, a series of levers pivotally mounted on the door and having teeth at their inner ends engaging the worm, fixed abutment surfaces associated with the door frame, abutment surfaces at the outer ends of the levers engageable with the fixed abutment surfaces for holding the door in engagement with the frame, and means for rotating said worm.

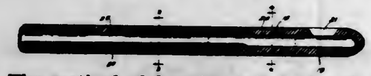
2. In combination a door frame provided with fixed abutment surfaces, a door engageable with the frame, a rotatable worm mounted on the door, levers movably mounted on the door and provided at their inner ends with teeth engaging the worm whereby the levers are moved when the worm is rotated, and abutment surfaces at the outer ends of the levers engageable with said fixed abutment surfaces of the frame for holding the door in engagement with the frame.

2,043,629
ANTISEPTIC CONTAINER FOR TOOTH BRUSHES
Bethuel Boyd Vincent Lyon, Rosemont, Pa.
Application November 2, 1935, Serial No. 48,021
3 Claims. (Cl. 206—15.1)



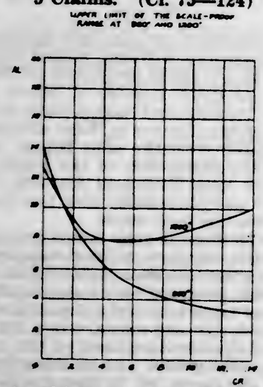
1. A brush sterilizing means comprising a container having at least one end thereof open, a perforate plate engaging against said open end and provided with outwardly extending fingers disposed substantially parallel with the longitudinal axis of the container, and a cap engaging over said fingers and telescoping the adjacent end of the container, said cap having a chamber between said plate and the end wall thereof, said fingers engaging against the end wall of the cap and determining the depth of the chamber, the end wall of the cap and said plate having alining brush handle receiving openings.

2,043,630
CONSTRUCTION OF RUBBER ARTICLES
Paul A. Raiche, North Providence, R. I., assignor to Davol Rubber Company, a corporation of Rhode Island
Application November 9, 1935, Serial No. 49,055
11 Claims. (Cl. 18—58)



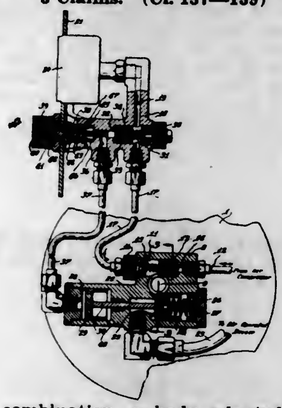
1. The method of forming articles by dipping, comprising dipping a form in a coating solution of rubber to form an initial coat, treating a local area of the initial coat with surface curing means to obtain a local curing of the treated area, and again dipping the coated treated form in the coating solution, whereby an integral article with a recess is obtained.

2,043,631
CHROMIUM-ALUMINIUM STEEL ADAPTED TO BE USED FOR ARTICLES EXPOSED TO HIGH TEMPERATURES
Erich Scheil, Dortmund, Germany, assignor to the firm Vereinigte Stahlwerke Aktiengesellschaft, Dusseldorf, Germany
Application November 12, 1931, Serial No. 574,628
In Germany November 29, 1930
5 Claims. (Cl. 75—124)



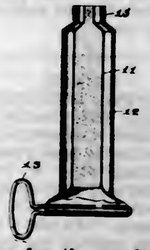
3. Objects which are exposed to temperatures up to about 900° C. consisting substantially of a steel alloy containing chromium in amounts between about 1% and 6%, aluminium in amounts between about 11% and 5% the sum of chromium and aluminium amounting to between about 10 to 12%, the balance of the alloy being substantially all iron, said alloy showing under the action of gases containing oxygen a coating of a white oxide, the so-called white scale.

2,043,632
REMOTE CONTROL FOR HIGH PRESSURE TANKS
Frank B. Stover, Detroit, Mich., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application July 13, 1931, Serial No. 550,504
3 Claims. (Cl. 137—139)



1. In combination, a body adapted for connection to a pressure receptacle and having a pressure fluid inlet and a pressure fluid outlet, a valve in said body normally closing said outlet, a pressure-operated device for opening said valve, a pair of conduits extending from said body, means interposed between said pair of conduits for subjecting said pressure-operated device to the pressure existing in said receptacle and thereby causing said valve to open, a second valve in said body normally closing said pressure fluid inlet, and means including a spring for maintaining said second valve closed even during the opening operation of said first named valve.

2,043,633
COMPOSITION AND METHOD FOR PRODUCING STABILIZED FOAM
Clauss B. Strauch, New York, N. Y.
Application June 10, 1932, Serial No. 616,568
6 Claims. (Cl. 167—58)



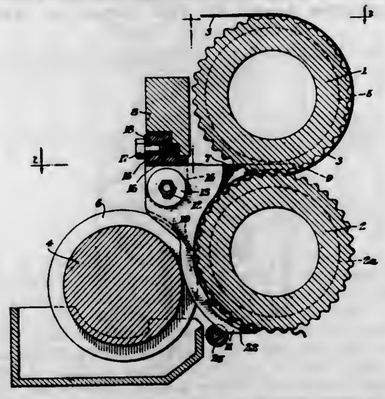
3. In a process for the production of a stable and tenacious self developing foam by the interaction of an alkaline jelly and an acid jelly, said jellies having a karaya gum base, said acid jelly comprising an activatable constituent of the group comprising boric acid and borates and said alkaline jelly comprising a carbonate, the steps of incorporating a neutral activating agent of the group comprising glycerin, manitol and invert sugar into said acid jelly, and subsequently effecting admixture of the two jellies.

2,043,634
HAIR CURLING AND WAVING APPLIANCE
Marcel J. Suter, New York, N. Y., assignor to Eugene, Ltd., New York, N. Y., a corporation of New York
Application February 6, 1935, Serial No. 5,233
7 Claims. (Cl. 132—33)



1. A hair waving appliance comprising a curler which is tapered from both ends inwardly to form a reduced section at a point intermediate the ends, said curler having a pair of helical grooves reversely formed on the two halves thereof.

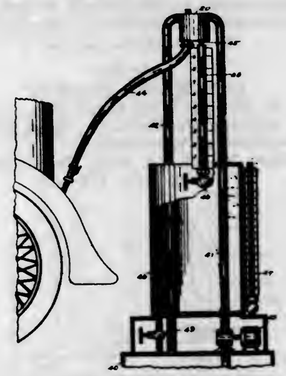
2,043,635
CORRUGATING MACHINE
George W. Swift, Jr., Bordentown, N. J., assignor to George W. Swift, Jr., Inc., Bordentown, N. J., a corporation of New Jersey
Application April 12, 1935, Serial No. 15,971
9 Claims. (Cl. 154—30)



1. A corrugating machine having a first corrugating roll, a second corrugating roll meshing therewith, an adhesive-applying roll adjacent the second corrugating roll in position to apply adhesive to the peaks of a corrugated web passing around with the second corrugating roll, said first mentioned corrugating roll having circumferential grooves therein, a set of stripper members penetrating into the above mentioned grooves of the first corrugating roll adjacent the portion thereof meshing with the second corrugating roll, said stripper members extending partially around the periphery of said second corrugating roll toward the adhesive-applying roll but terminating before reaching the adhesive-applying roll, said adhesive-applying roll having circumferential grooves therein staggered with respect to those of the first corrugating roll, and a set of guide members penetrating into the grooves of the adhesive-applying roll, and staggered in position with respect to said first mentioned set of stripper members, said above mentioned set of guide members extending partially around the second corrugating roll, said above mentioned set of guide members being separate from the stripper members and free of the first corrugating roll.

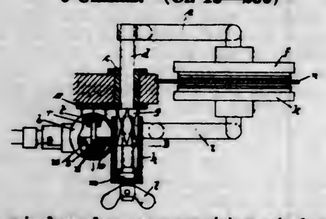
8. A corrugating machine having a corrugating roll, an adhesive applying roll located adjacent thereto in position to apply adhesive to a web passing between said rolls, said adhesive applying roll having a circumferential groove therein, and a member positioned to act on the corrugated web for applying adhesive to the area of the web which is in line with the above mentioned circumferential groove of the adhesive applying roll.

2,043,636
FLUID MEASURING DEVICE
Elmer B. Thompson, Des Moines, Iowa, assignor to Swanson & Thompson, Des Moines, Iowa, a partnership composed of F. W. Swanson and Elmer B. Thompson
Application May 22, 1933, Serial No. 672,157
3 Claims. (Cl. 73—202)



1. A fluid measuring device comprising a measuring chamber, a receptacle for fluid below and in communication with said measuring chamber, a gauge applied to said receptacle, and a separating device within said chamber formed with a small passageway leading to said receptacle and with a large passageway leading to a point of discharge, a second receptacle below the first, a valve controlled fluid conductor between said receptacles, and a gauge device for the second receptacle.

2,043,637
POWER DRIVEN WINDOW CLEANER
Hans von Littrow, Chemnitz, and Franz Hermann Zehl, Wiesbaden-Biebrich-on-the-Rhine, Germany
Application February 23, 1933, Serial No. 657,950
In Canada February 25, 1932
6 Claims. (Cl. 15—256)

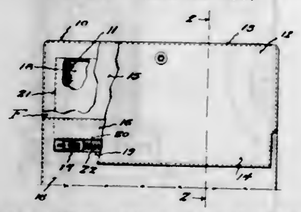


1. A window cleaner comprising window cleaning means on each side of the window, driving means for oscillating said cleaning means, manually operable adjusting means to move the window cleaning means towards or away from the window, power transmitting means between said driving means and said adjusting means, said power transmitting means, said adjusting means, and said window cleaning means being capable of free movement with respect to said driving means in a direction approximately vertical to the plane of the window.

2,043,638
LUBRICANT
Robert L. Watts, Forest Hills, N. Y., assignor to Lubriplate Corporation, New York, N. Y., a corporation of New York
No Drawing. Application July 15, 1933, Serial No. 680,667
6 Claims. (Cl. 87—9)

1. A lubricant of the class consisting of oils and greases characterized by its non-progressive abrasive action on the wear surfaces to which applied and containing finely divided zinc oxide dispersed therein to the extent of not less than 2% and not more than 10% by weight.

2,043,639
CONCEALED POCKET
Herman B. Welch, West Bend, Wis., assignor to Amity Leather Products Co., West Bend, Wis., a corporation of Wisconsin
Application March 18, 1935, Serial No. 11,605
1 Claim. (Cl. 150—36)



In a lady's hand-bag, a body, a main closure flap for the body including a back, an inner wall for said flap stitched at its side transverse edges and one longitudinal edge to the back, a partition wall disposed between the back and the inner wall and stitched thereto, a finishing strip secured to the back and the inner edge of the partition wall, said finishing strip having a longitudinally extending slot therein, a piece of material folded back upon itself disposed between the partition wall and the back having its longitudinal edges secured to the finishing strip on opposite sides of the slot, means securing the side edges of the material together, and a slide fastener for the walls of said slot, the inner wall of the flap having an auxiliary bendable flap thereon overlying said fastener.

2,043,640
MANUFACTURE OF REFRACTORY ARTICLES
George Witty, Long Island City, N. Y., assignor to Construction Products Corporation, Wilmington, Del.
No Drawing. Application January 28, 1935, Serial No. 3,874. Renewed November 25, 1935
1 Claim. (Cl. 106—9)

The method of manufacturing refractory articles, such as furnace-lining bricks by calcining 40 parts of dolomite, 30 parts of blast furnace slag, 20 parts ganister and 10 parts of bauxite, moistening the same with a liquid solution composed of equal parts of calcium magnesium chloride and aluminum chloride to chemically bind these elements and to render the same of proper consistency, molding the mixture into bricks and drying the same at a temperature between 200° and 400° F.

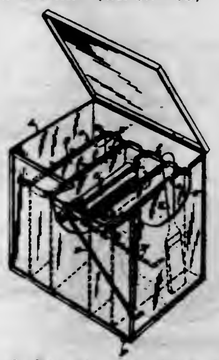
2,043,641
CEMENT COMPOSITION
George Witty, Long Island City, N. Y.
No Drawing. Application July 24, 1935, Serial No. 32,970
2 Claims. (Cl. 106—24)

1. A cement composition consisting of granulated blast furnace slag, calcium hydroxide, calcium sulphate, dextrin, silica, glass sand, potassium sulphate and magnesium silico fluoride.

2,043,642
BUILDING BRICK
George Witty, Long Island City, N. Y.
No Drawing. Application July 26, 1935, Serial No. 34,247
2 Claims. (Cl. 106—24)

1. A blast furnace slag brick consisting of ground blast furnace slag, hydraulic lime, calcium silico fluoride, calcium chloride, chrome alum and pigments.

2,043,643
PAINT BRUSH KEEPER
Allen W. Yeame, Wooster, Ohio, assignor of one-half to Zachariah H. North, Wooster, Ohio
Application August 29, 1935, Serial No. 38,429
1 Claim. (Cl. 91—63)



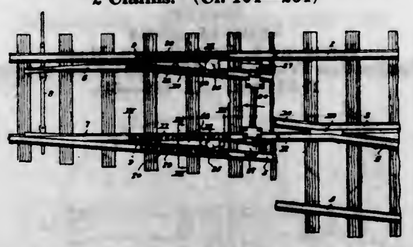
A paint-brush keeper comprising in combination, a receptacle, a plurality of horizontal cross-rods mounted therein, pegs on said rods on which to suspend paint brushes, a plurality of partitions between the cross-rods, respectively, and floor of the receptacle forming pockets for brushes suspended therein on said pegs and for oil or other liquid deposited therein, and means, including a pair of rollers operable within the receptacle, adapted to admit and compress a paint brush between them while being withdrawn therefrom, substantially as set forth.

2,043,644
HEAT TRANSFER APPARATUS
Cyril C. Young, Topeka, Kans.
Application September 21, 1933, Serial No. 690,386
6 Claims. (Cl. 126—42)



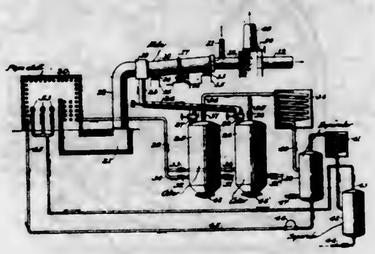
1. A domestic heating furnace having flues or radiators comprising ducts for combustion gases whose longitudinal axes are curved, baffle plates arranged transversely of the ducts and having a shape substantially conforming to the cross sectional area of the ducts, a flexible cable passing through the baffle plates, said baffle plates being fixed to and held in spaced relation upon the cable in such a manner as to readily conform a baffle string to the shape of the duct in which the baffle is located and openings in the baffle plates having deflecting members arranged to agitate and change the direction of flow of combustion gases passing through the openings.

2,043,645
SWITCH BRACE AND RERAILER
David Z. Anglin, Mount Carmel, Pa.
Application October 18, 1932, Serial No. 638,312
2 Claims. (Cl. 104—264)



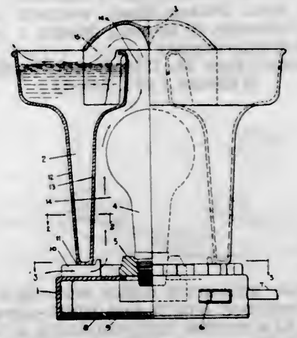
1. A rerailer adapted to be secured between converging rails adjacent a switch and comprising a body having a top surface on which a wheel flange rests during rerailing, said surface lying a sufficient distance below the tops of the rails so that when a wheel flange rests thereon the wheel tread is slightly above the tops of the rails, said body narrowing from a wider end in conformity with the convergence of the rails, the wider end sloping to carry upwardly a derailed wheel and having substantially no lateral slope tending to deflect the wheel to either side as the wheel rides up the slope.

2,043,646
PROCESS FOR THE CONVERSION OF ACID SLUDGE INTO SULPHUR DIOXIDE, HYDROCARBONS, AND COKE
William Herbert Bahlke, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application June 30, 1932, Serial No. 620,222
5 Claims. (Cl. 202—16)



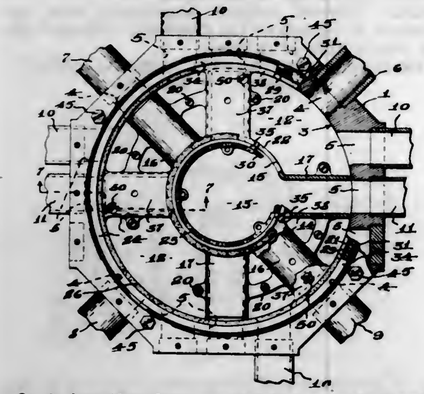
1. A process for the conversion of acid sludge into sulphur dioxide, hydrocarbons and coke, comprising heating the acid sludge to a non-coking temperature to distill off sulphur dioxide without distilling off the bulk of the hydrocarbons present, separating the distillate from the residue, separately heating said residue in the absence of said distillate by direct contact with hot hydrocarbon material to a coking temperature substantially higher than said non-coking temperature to distill off hydrocarbons, and separately recovering said hydrocarbons.

2,043,647
HUMIDIFIER
Sigurd O. Berven, Brooklyn, N. Y.
Application May 14, 1934, Serial No. 725,475
8 Claims. (Cl. 261—14)



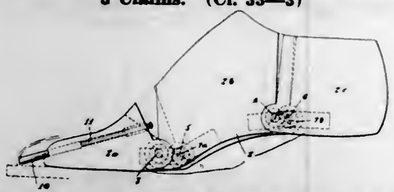
1. A humidifier having a base, a double walled container of transparent or translucent material and adapted to contain a liquid, the inner wall forming an air duct open at top and bottom, one or more light bulbs placed in or at the duct, and a deflector supported by said container and extending over the top of the duct so as to deflect the air ascending in said air duct downwards into contact with the liquid in said container to be evaporated.

2,043,648
JUNCTION BOX
Carl H. Bissell and Raymond H. Olley, Syracuse, N. Y., assignors to Crouse-Hinds Company, Syracuse, N. Y., a corporation of New York
Application December 15, 1930, Serial No. 502,356
Renewed April 16, 1935
15 Claims. (Cl. 247—15)



3. A junction box comprising a body having bottom and side walls, and an open top, the side walls being formed with conduit receiving openings and displaceable means in the box for providing a central compartment and hollow arms extending from the central compartment through the box for communicating with some of the conduit receiving passages, the space around the central compartment and said arms forming an outer compartment in the box, the central compartment being open at its top and bottom, and said arms being open at their bottoms, the bottom of the body forming the bottoms of the central compartment, and of said hollow arms, and a cover for the body.

2,043,649
SHOE MEASURING DEVICE
Elmer J. Bliss, Boston, Mass., assignor to Regal Shoe Company, Whitman, Mass., a corporation of Massachusetts
Application June 21, 1930, Serial No. 462,897
3 Claims. (Cl. 33—3)

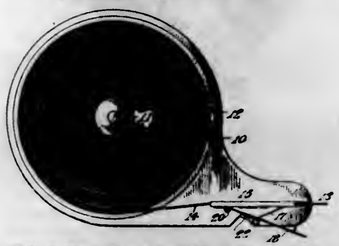


1. A shoe measuring device embracing a last of predetermined length and width-sizes corresponding to a normal foot comprising a toe portion hingedly connected with the portion rearwardly thereof, a forwardly projecting slidably mounted extension-gauging member mounted in the toe portion and normally protruding from the tip of said toe portion to form gauging contact with the inside of the tip of the toe of said shoe while yieldable rearwardly under the thrust of the tip of the shoe and indicating by its position in the last the length of toe extension space between the tip of the inserted last and the toe of the shoe.

2,043,650
AQUEOUS SOLUTIONS OF ADDITION COMPOUNDS OF ALKYLACRIDINIUM SALTS WITH HEAVY METAL SALTS AND A PROCESS OF PREPARING THEM
Max Bockmühl and Leonhard Stein, Frankfort-on-the-Main, Germany, assignors to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application March 28, 1935, Serial No. 13,580. In Germany May 26, 1932
13 Claims. (Cl. 260—11)

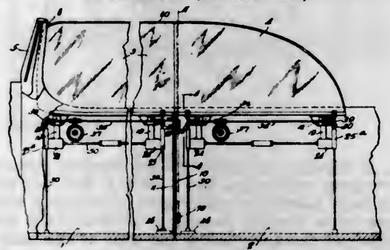
9. Aqueous solutions of complex addition compounds of water-soluble salts of acridinium bases substituted at the nitrogen by an alkyl radical of the lower series with water-soluble salts of heavy metals of carboxylic acids, said solutions showing valuable therapeutic properties.

2,043,651
DISPENSING DEVICE
George Boden, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application July 19, 1933, Serial No. 681,068
6 Claims. (Cl. 312—74)



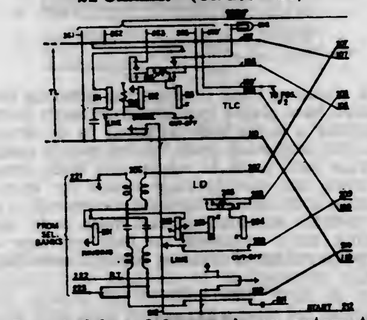
6. A dispenser for articles mounted on strip material comprising in combination a slotted guideway through which said strip passes, a pivotally mounted plate adapted to be swung toward and from said guideway by pinching it against the edge of said guideway and an article feeding pawl actuated by movement of said plate, for feeding said articles successively into a position at which the operator's fingers may naturally come into article gripping position upon operation of the device to be seized by the operator pinching said plate and guideway together.

2,043,652
VEHICLE BODY
Raymond L. Carr, Boston, Mass.
Application February 3, 1933, Serial No. 654,995
17 Claims. (Cl. 296—44)



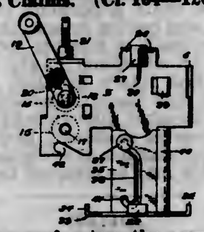
1. Vehicle body comprising a body wall including a door section and an adjoining section, a pair of panels above the respective sections and disposed in direct juxtaposition to form a closure wall above the body wall, hinge means between the sections to define an axis about which the door section swings, said means being arranged so that the axis inclines inwardly to intersect one of said panels when the latter are raised and the door is closed.

2,043,653
TELEPHONE SYSTEM
Thomas F. Crocker, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application November 30, 1934, Serial No. 755,263
21 Claims. (Cl. 179—27)



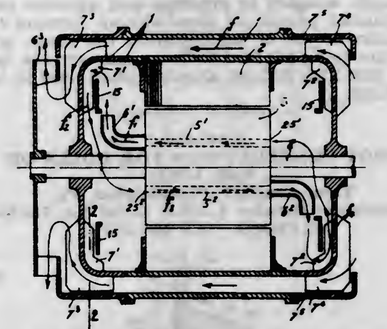
1. In a toll board for use in an automatic exchange, a group of link circuits at an operator's position, one end of each link circuit terminating in an answering switch and the other end in a calling switch, toll lines accessible both to the answering switches and to the calling switches, incoming local circuits accessible to the answering switches, outgoing local circuits accessible to the calling switches, means for operating the answering switch of any link as a finder to find any calling incoming local circuit or any calling toll line accessible to the answering switch, means under the control of the operator in such position for operating the calling switch of the same link circuit to extend the incoming connection to a toll line accessible to the calling switch, and means also under the control of the operator at said position effective when the answered call is from a toll line for operating the calling switch of the link to make connection with an idle local outgoing circuit.

2,043,654
COMBINED CAN OPENER AND CAN PERFORATOR
Joseph L. Donat, Berwyn, Ill.
Application April 24, 1935, Serial No. 17,922
3 Claims. (Cl. 164—120)



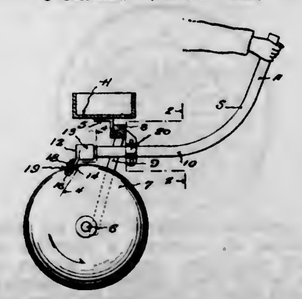
1. In a can perforator, the combination of a bracket, a perforating tool pivotally connected therewith and having downwardly projecting pointed blades, and a shelf for supporting a can below said perforating tool, said shelf having an upstanding slotted arm, and the bracket having a headed pin extending through said slot, and having a flange providing a guideway for one edge of said upstanding arm.

2,043,655
COOLING OF ELECTRIC MACHINES
Paul Ehrmann, Paris, France
Application April 28, 1933, Serial No. 668,306
In France April 30, 1932
8 Claims. (Cl. 171—252)



1. In an electric machine, a stator, a shaft rotatably journalled in said stator, a spider mounted on said shaft and having arms providing between them axial ducts, laminae threaded on to said spider having fins and constituting a rotor having a laminated mass, inclined partitions mounted in said axial ducts and varying the section thereof in proportion to the flow and in the direction of the current of air traversing said axial ducts and the branch currents of which sweep the fins of the laminae of the rotor, air circulating means mounted on said rotor and producing a current of air traversing said axial ducts in one direction and then in the other, and cooling means carried by said stator and disposed on the path of the current of air between the outlet of one of said axial ducts and the inlet of another duct.

2,043,656
SHARPENING DEVICE
Michael A. Endres, Cross Plains, Wis.
Application March 11, 1935, Serial No. 10,476
3 Claims. (Cl. 97—221)



1. A sharpening device for the discs of harrows comprising a hand lever, a fulcrum stop on the lever, a head on the forward end of the lever in advance of the stop including an attaching cuff and forwardly and downwardly projecting diverging arms, and removable sharpening blades connected to said arms.

2,043,657
COSMETIC PREPARATION
Victoria Goncarova, New York, N. Y.
No Drawing. Application December 8, 1934, Serial No. 756,681
2 Claims. (Cl. 167—90)

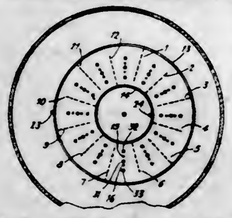
1. A liquid cosmetic preparation adapted to be applied to the face in a smooth invisible film, comprising about three parts of fresh uncooked albumin and about one and one-half parts by weight of alcohol in the order of seventy percent strength, adapted to preserve said albumin over substantial periods of time without turning the albumin brown or precipitating the same, said mixture being adapted to be spread over the face in a thin film without showing when used in the day time.

2,043,658
FOOT CONSTRUCTION FOR DOLLS OR THE LIKE
Tana Graitcer, Philadelphia, Pa.
Application October 4, 1934, Serial No. 746,766
7 Claims. (Cl. 46—151)



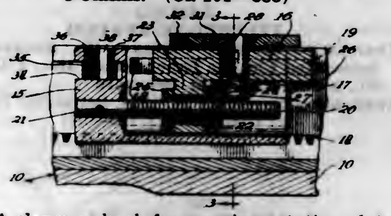
1. The method of forming the foot of a doll, manikin or the like, using a weight of foot-like shape and a casing, which consists in forming on the casing tabs which permit the casing to engage with itself and form a closed body about the weight, in forming on the casing other tabs which permit the casing to engage the leg of the doll, in folding the casing around the weight, in securing together the tabs which permit the casing to engage with itself and in securing to the leg the tabs which permit the casing to engage the leg.

2,043,659
ELECTRON DISCHARGE DEVICE
Felix Herriger, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application July 11, 1934, Serial No. 734,564
In Germany July 21, 1933
8 Claims. (Cl. 250—27.5)



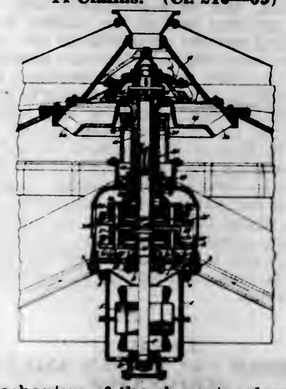
1. An electron discharge tube for ultra-short waves having an envelope, a plurality of apertured cold electrodes disposed within said envelope, a set of rings supporting alternate cold electrodes radially and outwardly from said rings, and a second set of rings larger in diameter than the first set and coaxial with the first set and supporting the remaining cold electrodes radially and inwardly from said second set of rings, and a thermionic cathode interposed between each pair of juxtaposed cold electrodes and consisting of filamentary elements lying in a radial plane.

2,043,660
CLAMP OR HOOK FOR PRINTING PLATES
Albert J. Hoerth, Chicago, Ill., assignor to A. J. Hoerth and Company, Chicago, Ill., a corporation of Illinois
Application October 15, 1934, Serial No. 748,300
5 Claims. (Cl. 101—388)



1. A clamp or hook for securing printing plates to slotted base plates provided with teeth therein, comprising a main body adapted to be dropped into a slot, said main body having means adapted to engage said teeth to render the body immovable along the slot, locking means for securing said main body against upward movement, a carriage slidably mounted on said main body, and a clamping plate mounted on said carriage and adapted to engage a printing plate in securing relation.

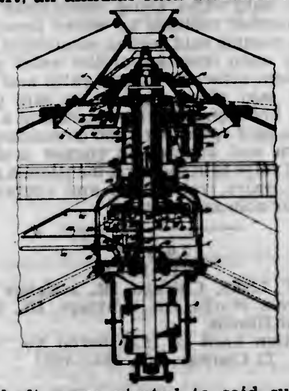
2,043,661
CENTRIFUGAL DRIVING MECHANISM
Andrew F. Howe, University City, Mo.
Application August 10, 1934, Serial No. 739,233
14 Claims. (Cl. 210—69)



1. Mechanism of the character described comprising spaced bearings, a shaft journalled in said bearings, an additional shaft in axial alinement with said first shaft, a coupling rigid with one of said shafts and having detachable engagement with the other shaft, a member rotative by said second shaft, an additional rotary member supporting said first rotary member, gearing supported by said first shaft for rotating said additional rotary member differentially with respect to said first member as desired, and a detachable support for said bearings whereby said first shaft and said gearing may be removed as a unit.

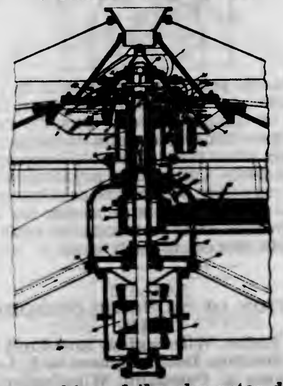
2,043,662
CENTRIFUGAL DRIVING MECHANISM
Andrew F. Howe, University City, Mo.
Application August 10, 1934, Serial No. 739,234
5 Claims. (Cl. 210—69)

1. In a machine of the character described, the combination of a distributing cone, a rotary shaft supporting said cone, a screen surrounding and separated from said cone by an intervening space which is adapted to receive material, a rotary tubular shaft supporting said screen and enclosing said first shaft, a support attached to said first shaft, an annular rack attached to said tu-



bular shaft, arms pivoted to said support and movable into and out of engagement with said rack, means for holding said arms in engagement with said rack, and means for disengaging said arms from said rack intermittently during rotation of said first shaft.

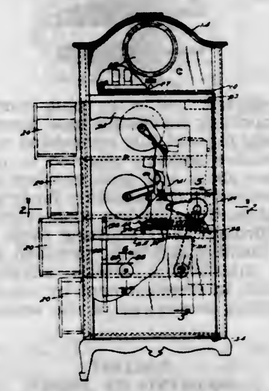
2,043,663
CENTRIFUGAL DRIVING MECHANISM
Andrew F. Howe, University City, Mo.
Application August 10, 1934, Serial No. 739,235
7 Claims. (Cl. 210—69)



7. In a machine of the character described, a distributing cone, a screen surrounding and separated from said cone by an intervening space, mechanisms apart from each other for rotating said cone and said screen, respectively, means for controlling the speed of rotation of said screen, and a device controlled by said means for closing one end of and supporting materials in said space during rotation of said cone and said screen.

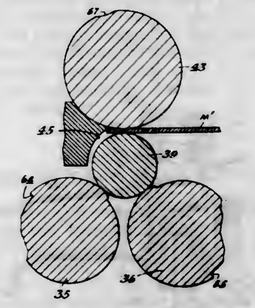
2,043,664
CABINET
James W. Hughes, Grosse Pointe, Mich.
Application August 10, 1934, Serial No. 739,227
2 Claims. (Cl. 88—24)

2. In a motion picture projector cabinet adapted to project pictures substantially perpendicularly from the front wall thereof, a door pivotally mounted on a substantially vertical axis having one surface thereof constituting a finished surface for a portion of the front wall of said cabinet, and a motion picture projector mounted on said door and adapted to be enclosed in and housed by said cabinet by pivotal movement of said door, means for mounting said projector



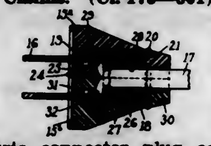
upon the door providing mechanism for vertically adjusting said projector with respect to said cabinet, said projector so mounted that opening of said door will move said projector into projecting position substantially perpendicular to the front wall of said cabinet, whereby pivotal movement of said door provides means for adjustably directing said projector laterally.

2,043,665
APPARATUS FOR FORMING TUBES
Lorenz Iversen, Pittsburgh, and Charles L. Raisig, Coraopolis, Pa., assignors to Mesta Machine Company, Homestead, Pa., a corporation of Pennsylvania
Application December 2, 1932, Serial No. 645,390
17 Claims. (Cl. 153—61)



4. In a tube forming apparatus, a mandrel, means for feeding material around the mandrel, and a shaping shaft cooperating with the mandrel, said shaft having shoulders extending longitudinally thereof, substantially equal in height to the thickness of the material, providing an annular space for receiving successive portions of the material as it is bent around the mandrel, to maintain shaping pressure between the mandrel and shaft with a fixed spacing of their axes.

2,043,666
ELECTRIC CONNECTER PLUG
Fred B. Kingsbury, Hamden, Conn., assignor to The Whitney Blake Company, Hamden, Conn., a corporation of Connecticut
Application July 21, 1934, Serial No. 736,284
7 Claims. (Cl. 173—361)

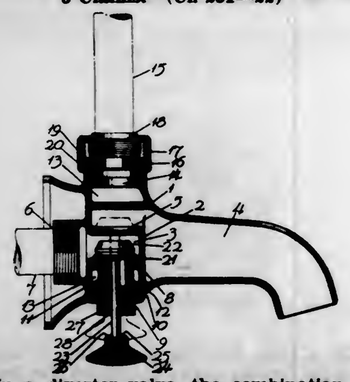


6. An electric connecter plug comprising a prong-supporting insulating base member and a molded body for said plug comprising substantially co-extensive sections adapted to be brought face to face about said base member in a direction transverse to the abutting faces of the sections, said sections having cooperating recesses opening through their abutting faces to receive said base member and being provided with interengaging interlocking means adapted to be brought into interengagement by relative longitudinal sliding movement of the sections.

2,043,667
SOAKING OF HIDES
Richard Klein, Heinrich Ulrich, and Paul Koerding, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application January 29, 1935, Serial No. 3,942. In Germany February 7, 1934
7 Claims. (Cl. 149—2)

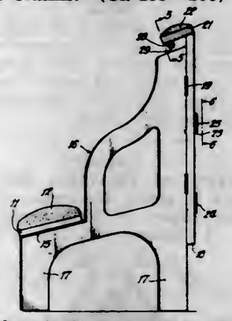
1. The process for soaking dry hides which comprises treating the hides in a bath comprising a reaction product of an alkylol amine with sulphurous acid.

2,043,668
DIVERTER VALVE
Carl J. Kohler, Kohler, Wis.
Application July 29, 1935, Serial No. 33,681
3 Claims. (Cl. 251—22)



1. In a diverter valve, the combination of a body, a wall dividing said body into a chamber and a discharge passageway, said chamber communicating with a source of water supply, a port providing communication between said chamber and said discharge passageway, a second chamber adjacent said first mentioned chamber and communicating with a discharge pipe, a plug having threaded engagement with said body, a bore in said plug providing communication between said first mentioned chamber and said second mentioned chamber, a valve having a sliding fit within said port and adapted in one position to close said port and in the alternative position to close said bore, said valve being maintained in said first mentioned position by water pressure and caused to assume said second mentioned position by gravity upon cessation of the water pressure, a valve stem attached to said valve and slidably fitting in said plug, a gasket in said plug, an operating knob on said valve stem and a tapered surface on said operating knob circumjacent said valve stem and adapted to engage said gasket when said valve is in said first mentioned position, said plug, valve, valve stem and operating rod being removable as a unit.

2,043,669
PRIE-DIEU
William F. Liska, Chicago, Ill., assignor to Holland Brass Works, Inc., Chicago, Ill., a corporation of Illinois
Application April 12, 1934, Serial No. 720,217
13 Claims. (Cl. 155—166)



9. A foldable prie dieu comprising, in combination, a knee rest of foldable sections, a pair of arm rests of hinged sections hingedly connected adjacent their inner ends and foldable inwardly toward said knee rest, a pair of supporting side frames foldably connected adjacent their top front and rear edge portions to said knee rest and arm rests, respectively, and means for securing said side frames, knee rest and arm rests in fixed relation with respect to each other.

2,043,670
PRODUCTION OF MONOCHLORISOBUTYRIC ACID
Donald J. Loder, Wilmington, and Emil D. Ries, Gordon Heights, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 21, 1934, Serial No. 712,354
12 Claims. (Cl. 260—113)

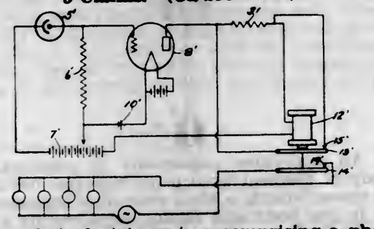
1. Process for the manufacture of monochlorisobutyric acid which comprises chlorinating isobutyric acid containing added sulfur in amount not in excess of 4% by weight of the isobutyric acid.

3. Process for the production of alphachlorisobutyric acid which comprises chlorinating isobutyric acid in the presence of from 2 to 4% by weight of sulfur.

6. Process for the production of betamonochlorisobutyric acid which comprises chlorinating isobutyric acid in the presence of from 0.3 to 2% sulfur.

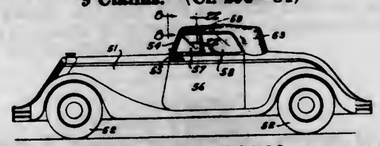
CARNEGIE LIBRARY OF ATLANTA

2,043,671
LIGHTING SYSTEM CONTROLLED BY PHOTOELECTRIC CELL
Archie J. McMaster, Chicago, Ill., assignor to G-M Laboratories, Inc., Chicago, Ill., a corporation of Illinois
Application April 6, 1931, Serial No. 528,219
5 Claims. (Cl. 250—41.5)



1. A photoelectric system comprising a photoelectric cell, an amplifying valve controlled thereby, an angle circuit for said valve, a lighting system, means in said anode circuit for de-energizing said lighting system when the light in said cell rises to a predetermined value, a resistor, and means for altering said anode circuit by effectively removing said resistor from said anode circuit in response to the operation of the first mentioned means so as to maintain said de-energization until the light in said cell reaches a definite decrement below said value.

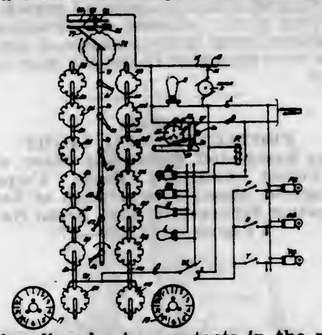
2,043,672
VEHICLE WINDSHIELD
Willard L. Morrison, Lake Forest, Ill.
Application June 8, 1934, Serial No. 729,650
9 Claims. (Cl. 296—84)



1. In combination, a windshield, a support for said windshield, links pivotally attached to said support near the top of said windshield, and an auxiliary shield pivotally attached to the swinging ends of said links, said links being formed to permit disposition of said auxiliary shield on either side of the plane of said windshield.

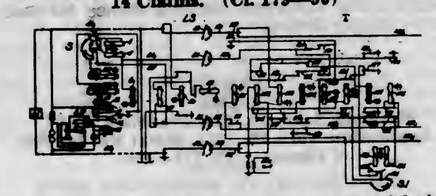
2,043,673
CODE CALL SYSTEM
Herbert F. Obergfell, River Forest, and Edward S. Peterson, Elmwood Park, Ill., assignors to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application October 9, 1933, Serial No. 692,732
6 Claims. (Cl. 177—350)

5. In a code transmitter, a shaft carrying a plurality of wipers spaced along said shaft and staggered in the plane of their movement, a pair of code setting shafts one on each side of the wiper shaft, each code shaft carrying a plurality of discs one for each wiper, said discs spaced along their shafts corresponding to the spacing of said wipers, and each shaft having a number of code setting positions, each disc having contacts in certain of its positions movable as the shaft is rotated to bring only one of its contacts at a time in the path of its wiper, each code shaft manually settable into one of its code positions, means for then operating the wiper shaft to rotate the wipers, each wiper transmitting an impulse only when it wipes over a contact of a disc having a contact in the path of the wiper, the



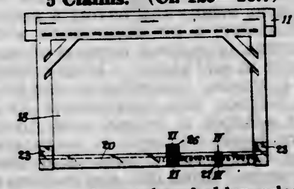
particular discs having contacts in the path of the wipers determining the number of impulses in a code and the spacing thereof.

2,043,674
CALLING DEVICE
Herbert F. Obergfell, River Forest, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application April 7, 1934, Serial No. 719,430
14 Claims. (Cl. 179—90)



1. In a calling device of the type which includes a setting member and in which impulses are transmitted upon the restoration of the setting member, a contact member, means responsive to the operation of said setting member in accordance with certain digits for transmitting impulses without actuating said contact member, means responsive to the operation of said setting member in accordance with another digit for actuating said contact member, means for retaining said contact member in actuated position, and means effective upon the completion of the restoration of the setting member for restoring said contact member.

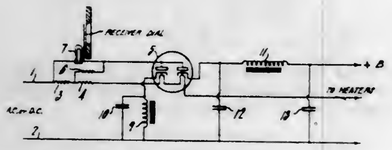
2,043,675
RECORD MEMBER FOR CARD INDEX SYSTEMS
Silas W. Pierce, Kenmore, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y.
Application September 8, 1931, Serial No. 561,754
5 Claims. (Cl. 129—16.7)



1. In a record member holder adapted to be positioned in overlapping relation with other rec-

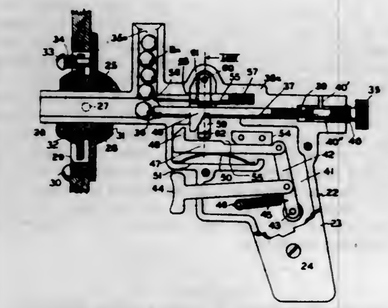
ord member holders of a filing system, a transparent sheath arranged along one edge of the record member holder and adapted to serve as a pocket, and strips of material coated with a non-drying plastic adhesive detachably and reapplicably adhered to the surfaces of the sheath and the record member holder for securing them together.

2,043,676
PROTECTIVE DIAL LIGHT
Nicholas Raskhodoff, Springfield, Mass., assignor to United American Bosch Corporation, Springfield, Mass., a corporation of New York
Application February 16, 1935, Serial No. 6,811
6 Claims. (Cl. 250—27)



1. In radio apparatus having a power supply system, a circuit in said system including as an overload prevention device an incandescent lamp of predetermined current carrying capacity, said lamp comprising a dial light for said radio apparatus and a current limiting device for said power supply system.

2,043,677
GAME
Sigmund Salomon, San Francisco, Calif.
Application April 18, 1934, Serial No. 721,095
2 Claims. (Cl. 273—129)



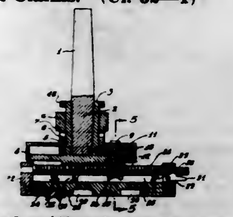
1. In a game apparatus; a pistol comprising: a firing pin adapted to discharge balls from said pistol; resilient means for actuating said firing pin; a setscrew adapted to adjust the tension of said resilient means and having a portion reduced in diameter; a pin cooperating with said reduced portion to prevent removal of said setscrew; a lever in said pistol; a trigger pivoted on said lever; a drawbar connected to said lever and having an inclined cam intermediate its length and a sear adapted to retract said firing pin; a stationary block arranged to cooperate with said cam to deflect said drawbar and disengage said sear from said firing pin; and resilient means expanding against said drawbar and urging said sear into engagement with said firing pin.

2,043,678
APPLICATOR
William F. Schmalz, Rockville, Conn., assignor to Colt's Patent Fire Arms Manufacturing Co., Hartford, Conn., a corporation of Connecticut
Application July 29, 1932, Serial No. 625,687
3 Claims. (Cl. 128—269)



3. An applicator comprising in combination, a body of resilient absorptive material having a hole therethrough, a stem extending through the hole in the body and having adjacent its lower end a radially projecting abutment engaging the said body, the said stem having above the abutment a plurality of separate circumferentially spaced narrow retaining barbs each formed with an outer surface inclined to facilitate downward movement of the said body and with a downward facing laterally extending lower surface, and a washer surrounding the stem and engaging the top of the body of absorptive material, the said washer having slots permitting it to be moved downward below the barbs and then turned so as to be retained by the barbs.

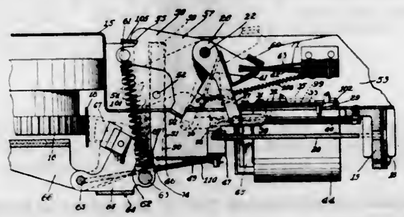
2,043,679
UNIVERSAL CUTTING TOOL
Michael Tarasuk, Hamtramck, Mich.
Application May 16, 1935, Serial No. 21,764
2 Claims. (Cl. 82—1)



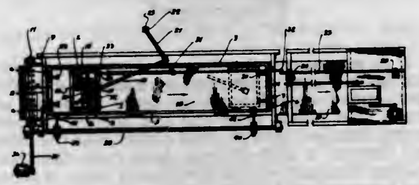
1. A universal cutting tool comprising a spindle having a body formed at one end thereof, a ring gear loosely mounted on said spindle, a clutch for holding said gear fixed while said spindle turns, a tool carrier slidably supported by said body, a screw shaft journaled on said carrier, a nut on said shaft and geared to said ring gear, said shaft having a lengthwise slot, a dog pivoted to said carrier and normally entering said slot to hold said shaft against rotation, and a manual key engageable on said shaft in keyed relation thereto and having a portion adapted to release said dog from said slot, whereby said shaft may be manually turned to adjust said carrier.

2,043,680
PRINTING DEVICE
Walter A. Tratsch and Bernhard C. Grunig, Chicago, Ill.
Application June 24, 1935, Serial No. 28,080
10 Claims. (Cl. 101—66)

1. A printing and web-severing unit comprising: a supporting frame; a printing drum rotatably mounted upon said supporting frame; an actuating member and a plunger; a platen and a web-severing knife pivotally mounted upon said supporting frame; means coacting with the said actuating member, when the latter is operated, to advance the relatively free end portion of an inscription-receiving or score ticket web relative to and past said platen and web-severing knife and between the same and said printing drum; means urging said platen and said web-severing knife into engagement with said inscription-receiving web; means normally latching said platen and said web-severing knife out of engagement with said inscription-receiving web, or ineffective position, against the action of said urging means; and means for releasing said latching means from latching engagement with said platen and said web-severing knife including an electromagnet and an electric circuit for controlling the operation of said electromagnet; said circuit including two switches arranged therein in series; means coacting with the said actuating member, when the latter is operated, to close one of said switches; and the other of said switches being closed by operation of said plunger so as to close the said circuit to said electromagnet and thus move said latching means out of latching engagement with said platen and said web-severing knife so as to allow the same to be moved into engagement with said web by said urging means.



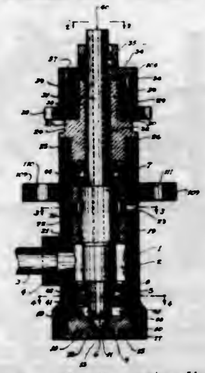
2,043,681
DRIER CONVEYER
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application December 21, 1933, Serial No. 703,348
13 Claims. (Cl. 34—12)



1. A device of the character described, comprising a conveyer, rails mounted over said conveyer, a carriage movable upon said rails, a plurality of extrusion dies mounted in said carriage and arranged at intervals in a series disposed transversely of the conveyer, a manifold connected with said extrusion dies and with supply means, means for moving said conveyer and independent means for continuously moving said carriage back and forth lengthwise of the conveyer.

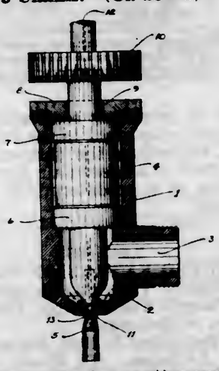
6. The method of drying material extruded in continuous strings which comprises placing simultaneously a transverse series of strings of said material in a zigzag path on a moving conveyer lengthwise thereof.

2,043,682
EXTRUSION DEVICE
Charles T. Walter, Chicago, Ill., asignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application December 21, 1933, Serial No. 703,851
30 Claims. (Cl. 25—8)



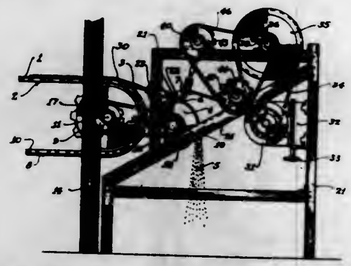
1. An extrusion die for extruding semi-liquid material under hydraulic pressure comprising a housing having a chamber for the reception of plastic semi-liquid material under hydraulic pressure and provided with an extrusion orifice and a spindle rotatable in said housing having a rotating extrusion pin located centrally of the orifice, said extrusion pin and the walls of the orifice presenting smooth surfaces to the material and permitting a continuous uninterrupted flow of the material under hydraulic pressure, the said pin being held for rotation in the precise center of said orifice.

2,043,683
TUBE EXPANSION EXTRUSION DIE
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application December 21, 1933, Serial No. 703,352
5 Claims. (Cl. 28—8)



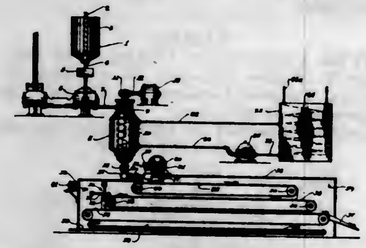
1. An extrusion die for continuously extruding in tubular form semi-liquid material under hydraulic pressure comprising a housing having a chamber for the reception of plastic semi-liquid material under hydraulic pressure and provided with an extrusion orifice and a spindle rotatable in said orifice whereby a continuous tube of material may be extruded from the orifice, said spindle terminating in an expansion bulb adapted to permanently expand the said tube to a diameter greater than the diameter of the extrusion orifice.

2,043,634
SOAP CUTTER
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application June 23, 1934, Serial No. 732,001
7 Claims. (Cl. 25—166)



1. In combination, means for continuously feeding material to a cutter, a guiding leveler for said material, a rotating anvil in operative relationship with said cutter and means for reciprocating said cutter vertically and laterally.

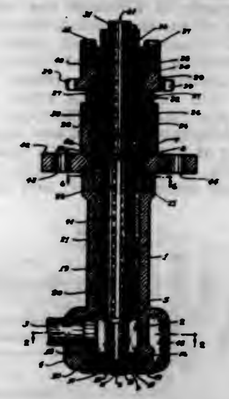
2,043,635
METHOD OF MAKING TUBE SOAP
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Original application December 21, 1933, Serial No. 703,350. Divided and this application July 28, 1934, Serial No. 737,345
12 Claims. (Cl. 18—48)



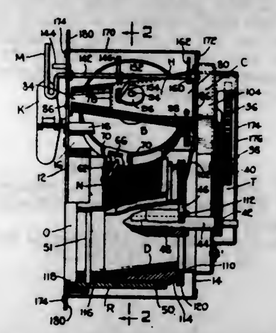
1. The art of preparing soap which comprises extruding liquid soap stock in the form of a thin-walled tube, subjecting the thin-walled tube to the drying effect of a heated air current and cutting the tubes at a predetermined stage in the drying process.

2,043,686
JACKETED EXTRUSION DEVICE
Charles T. Walter, Chicago, Ill., assignor to Industrial Patents Corporation, Chicago, Ill., a corporation of Delaware
Application December 7, 1934, Serial No. 756,472
6 Claims. (Cl. 25—8)

1. An extrusion die comprising a housing having a chamber for the reception of plastic semi-liquid material under pressure and provided with an extrusion plate provided with an extrusion orifice and a spindle rotatable in said housing, a water jacket in said housing whereby heat may be conducted by said extrusion plate to said extrusion orifice and a rotatable extrusion pin located centrally of the orifice, said extrusion pin and the walls of the orifice presenting smooth surfaces to the material and permitting a continuous uninterrupted flow of the material under pressure.



2,043,687
MINIATURE PHONOGRAPH
John H. Wilhelm, Hamilton Beach, Long Island, N. Y., assignor, by mesne assignments, to Voices, Incorporated, Newark, N. J., a corporation of Delaware
Application August 15, 1933, Serial No. 685,217
15 Claims. (Cl. 274—17)

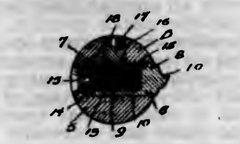


3. A miniature phonograph comprising front and back plates connected by spacers, a hollow open-ended record rotating drum disposed between said plates near one end thereof, a main spring disposed between said plates near the other end thereof, a step-up spur gear train interconnecting the main spring and record drum, a sound box between said plates at one side of the main spring, governor mechanism at the opposite side of the main spring, and a relatively long horn so disposed as not to appreciably increase the bulk of the phonograph, said horn including a first horn chamber extending rearwardly from the sound box to the rear plate of the phonograph, a second horn chamber extending along the rear plate of the phonograph to the drum at the opposite end thereof, and a third horn chamber provided by the hollow record drum, a winding key at the front plate, a control arm also located on the front plate for controlling the operation of the phonograph mechanism, and a single large opening in the front plate for sound discharge and for changing the record on the drum.

2,043,688
HYDROGENATION OF OXYGENATED ORGANIC COMPOUNDS
John C. Woodhouse, Cragmere, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 20, 1935, Serial No. 32,407
19 Claims. (Cl. 260—163)

1. In a process for the removal of color and odor from an oxygenated organic compound which contains at least two esterified groups, the steps which comprise intimately dispersing a hydrogenating catalyst into the ester and subsequently reducing it by the infusion of a reducing agent under elevated pressure and a temperature of 100–150° C.

2,043,689
BORING TOOL
Edward A. Zempel, Milwaukee, Wis., assignor of one-half to Carol Tillotson, Milwaukee, Wis.
Application June 21, 1935, Serial No. 27,665
2 Claims. (Cl. 77—58)



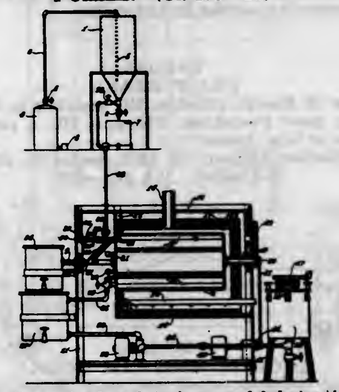
2. A boring tool comprising a bar having an opening therethrough provided with an internal shoulder, a tool slidably fitted in said opening having an internally threaded bore and a longitudinally extending keyway communicating with said bore and opening out through the inner end of the tool, an adjusting screw rotatably mounted in the opening and threaded in said bore having an outstanding flange engaging the shoulder, a longitudinally extending key fitted in the keyway against said flange, and a set or cone point tension screw threaded into the bar for engaging said key.

2,043,690
SIGN REFLECTING IN PREDETERMINED DIRECTION
Samuel F. Arbuckle and Guy H. Coulter, Highland Park, Mich., assignors to S. F. Arbuckle Corporation, a corporation of Delaware
Application December 4, 1931, Serial No. 579,036
12 Claims. (Cl. 40—130)



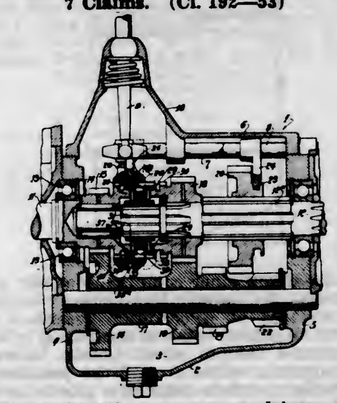
4. A sheet metal plate having indicia embossed thereon and provided with a plurality of curved surfaces each of which is inclined to said plate whereby substantially all of the impinging light rays are dispersed in a zone of limited dimensions in a predetermined direction, the said surfaces being positioned relatively close to each other whereby said zones overlap to provide a continuous area of reflected light.

2,043,691
PROCESS FOR RECLAIMING USED LUBRICATING OIL
Frederick G. Baender, Corvallis, Oreg.
Application May 14, 1931, Serial No. 537,341
4 Claims. (Cl. 196—16)



4. In the art of reclaiming used lubricating oil containing moisture and low boiling hydrocarbon fractions the process which includes, confining a body of the oil in a restricted zone, which includes considerable vapor space, raising the temperature above the atmospheric boiling point of the moisture and light fractions, while maintaining the pressure unreleased, intermittently releasing the pressure after such elevated temperature and pressure has been reached, raising the temperature above the atmospheric boiling point of a low boiling lubricating component while the pressure is unreleased, and intermittently releasing the pressure after such elevated temperature is reached.

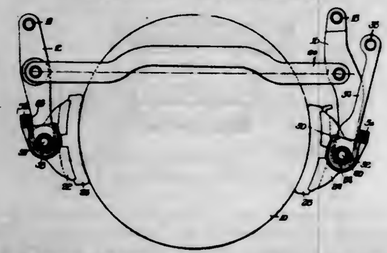
2,043,692
SYNCHRONIZING MECHANISM
Clarence H. Barton, Indianapolis, Ind., assignor, by mesne assignments, to William C. Starkey, Raymond S. Pruitt, and Walter H. Beal, trustees
Application March 11, 1931, Serial No. 521,618
7 Claims. (Cl. 192—53)



7. In combination, a gear, a driven shaft, a synchronizer ring rotatable with the driven shaft, a shift collar carried by the synchronizer ring and shiftable axially thereof, means for shifting the collar and synchronizer ring to first cause

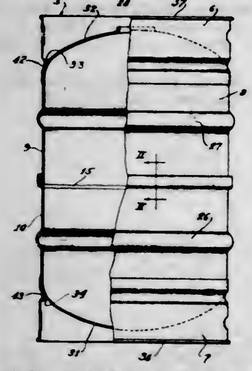
pressure contact between the synchronizer ring and gear, and means for retarding axial movement of the shift collar on the synchronizer ring by way of the application of pressure to the collar in increasing amount as the speed of the ring increases, said means including pivoted lever-like elements carried by the collar.

2,043,693
CLASP BRAKE
Walter H. Bascit, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application January 16, 1933, Serial No. 651,864
25 Claims. (Cl. 188—230)



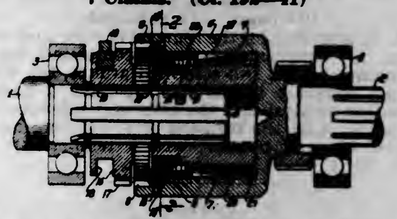
1. In a brake arrangement, the combination of a brake head, a support therefor, a means pivotally connecting said head and support, and means embracing said support and secured by said first named means for positioning said head with respect to said support.

2,043,694
LAMINATED METAL BARREL
Stewart S. Battles, Chicago, Ill., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application January 14, 1933, Serial No. 651,716
6 Claims. (Cl. 220—63)
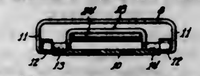


1. A metal container comprising a pair of superimposed tub-like members having continuous inside surfaces of a corrosion resistant alloy backed by an outside integral lamination of tough metal bonded thereto at all points, outwardly flanged abutting edges around the periphery of said tub-like members defining a groove between the tubs, a weld of corrosion resistant alloy in said groove joining the tubs together and additional reinforcing structure cooperating with the outside of said tubs for holding the tubs in assembled relation.

2,043,695
OVERRUNNING CLUTCH
Dalmar T. Brownlee, Indianapolis, Ind., assignor, by mesne assignments, to William C. Starkey, Raymond S. Pruitt, and Walter H. Beal, trustees
Application April 6, 1932, Serial No. 603,456
7 Claims. (Cl. 192—41)



1. An overrunning clutch of the character described comprising, in combination, a driving shaft, a coaxially arranged driven shaft, a sleeve fixed on said driving shaft, a cup-like clutch member rotative with said driven shaft and normally surrounding but radially spaced from said sleeve to provide an annular space between said sleeve and cup-like clutch member, said cup-like clutch member being formed to provide an internal clutch surface, a ring rotative with one end of said cup-like clutch member and journalled on said sleeve and acting to close the associated end of said annular space, a clutch spring in said space and internally supported upon said sleeve against contraction but fixed at one end thereto so as to rotate therewith and normally free from said clutch surface, and an energizing spring associated with the other end of the clutch spring and operative in response to relative rotation between said shafts in one direction to expand the clutch spring into gripping relation with the clutch surface in order to clutch the two members together for conjoint rotation.

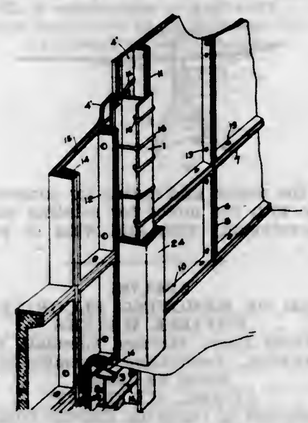
2,043,696
BELT BUCKLE
Chester W. Buchsbaum, Chicago, Ill., assignor to S. Buchsbaum & Co., Chicago, Ill., a corporation of Illinois
Application February 13, 1933, Serial No. 656,476
3 Claims. (Cl. 24—191)



1. A belt buckle comprising a main body portion having a face plate portion and a pair of side flanges between which one end of the belt is received, a gripping member between which and said body portion the belt is gripped, and a holding member pivoted to said side flanges and having lugs formed thereon in alignment with the pivotal axis of said holding member on which the gripping member is pivoted, said holding member having slots beneath the lugs in which portions of the gripping member fit.

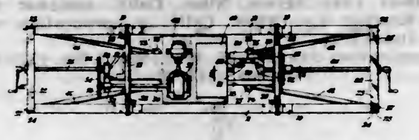
2,043,697
BUILDING STRUCTURE
Otto A. Deichmann, San Francisco, Calif.
Application February 23, 1933, Serial No. 658,080
1 Claim. (Cl. 72—1)

A building structure including a supporting frame having columns and cross beams; curtain panels having abutting edges overlapping said frame members and having marginal flanges extending within the plane of said frame and having nailing strips embedded therein; reinforcing bars protruding from the edges of said panels and bent into engagement with said frame mem-



bers; and spacers interposed between said panels and said frame members and cooperating with said engaging bars and spacing said panels relative to said frame.

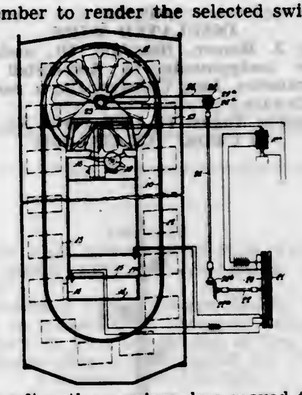
2,043,698
METHOD AND APPARATUS FOR SPACING ELECTRODES
John P. Dyer, El Paso, Tex., assignor to Nichols Copper Company, New York, N. Y., a corporation of New York
Application June 29, 1935, Serial No. 28,997
13 Claims. (Cl. 204—5)



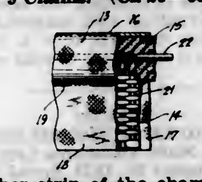
1. Apparatus for placing a plurality of electrodes in spaced positions in a body of electrolyte, comprising a frame, a plurality of interconnected electrode supporting members slidably mounted upon said frame, means on each of said members for suspending an electrode therefrom, and means for shifting the relative positions of said supporting members while the electrodes are suspended therefrom to respace said electrodes with predetermined spacings therebetween.

2,043,699
ELECTRICAL CONTROL MECHANISM
Ernst Geiger, Irvington, N. J.
Application December 31, 1928, Serial No. 329,386
19 Claims. (Cl. 187—16)

1. The combination with a carriage and a driving means therefor of an electrical control mechanism including a stationary and a movable member, means to synchronize the speed of movement of said movable member with the speed of movement of the carriage, and to stop said member when the carriage stops, said control mechanism including a series of selectively operable switches mounted on one of the members and operative to cause the carriage to be set in motion by said driving means, and means carried by the other member to render the selected switch inoperative after the carriage has moved through a desired distance.

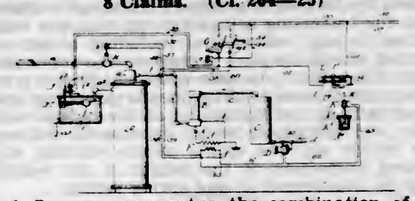


2,043,700
DOOR WEATHER STRIP
James I. Hamm, Fairfield, Conn., assignor to The Bridgeport Coach Lace Company Incorporated, Bridgeport, Conn., a corporation of Connecticut
Application November 26, 1935, Serial No. 51,611
9 Claims. (Cl. 20—69)



1. A weather strip of the character described comprising a woven attaching strip including a yieldable resilient wire extending transversely of said strip, a soft resilient core secured along one edge of said strip, and a woven finishing fabric enclosing said core and secured to said strip.

2,043,701
OZONE MACHINE
Frank E. Hartman, Chicago, Ill., assignor of one-third to Fred H. Montgomery and one-third to W. Ray Montgomery, both of Chicago, Ill.
Application February 14, 1930, Serial No. 428,284
8 Claims. (Cl. 204—25)



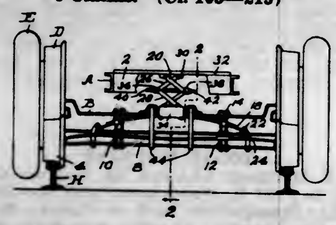
1. In ozone apparatus, the combination of an electric ozone generator, means for circulating water in such manner as to cause a flow of air through the generator for ozone-forming purposes and further to cause the ozone formed by the generator to be brought into commingling relation with the water, means for supplying current to the generator, and means controlled by variation in the flow of air through the generator for stopping the supply of current to the generator and stopping the flow of air through the generator.

2,043,702
INSULATED WIRE
William J. Homer, Hinsdale, Ill., assignor, by mesne assignments, to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application August 14, 1930, Serial No. 475,235
1 Claim. (Cl. 173—264)



The method of producing an insulated electric conductor which consists in applying a coating of enamel to the conductor, in wrapping multithread strands of cellulose material in layers over said enamel, and in treating the layers of material with a solvent of said material to thereby amalgamate the material into a homogeneous mass and cause it to adhere to said enamel.

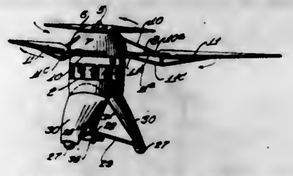
2,043,703
VEHICLE GUIDE MEANS
David W. Main, Oklahoma City, Okla.
Application August 29, 1932, Serial No. 630,887
6 Claims. (Cl. 105—215)



1. In combination with a vehicle having flanged wheels for traversing a railway track and resilient tires for traversing a highway, pilot means connected to said vehicle and including a pair of flanged wheels adapted to traverse the track and guide the vehicle, an axle upon which said pilot wheels are mounted, spring means extending longitudinally of and connected at its ends to said axle, and adjustable means interposed between the vehicle and the spring means whereby any desired proportion of the weight of the vehicle may be transferred to said spring means.

2,043,704
AIRCRAFT
Glen E. McPherren, San Diego, Calif.
Application July 19, 1933, Serial No. 681,097
3 Claims. (Cl. 244—19)

1. An aircraft comprising, a motor, a rapidly revoluble propeller therefor, means revolubly supporting said motor, a plurality of radiating relatively slowly revoluble wing members connectible with said motor so as to rotate therewith in the opposite direction to the propeller and wherein the propeller torque is balanced by the opposite torque of the wing members, a fuselage associated with said means and normally



free of the motor, and means for connecting the fuselage with the motor for rotating said fuselage directionally with said wing or propeller.

2,043,705
METHOD OF REMOVING FLUORINE FROM POTABLE WATERS
Gotthold Harry Meinzer, Glendale, Calif.
No Drawing. Application November 28, 1933, Serial No. 700,004
1 Claim. (Cl. 210—23)

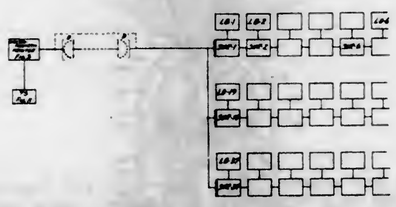
The method of removing fluorine from otherwise potable water which comprises: intimately contacting water containing fluorine compounds with hydrated oxide of aluminum in quantity not less than five times the amount of fluorine present, in addition to any quantity of said oxide required to precipitate any colloids and suspended matter, whereby said fluorine compounds are caused to be entrained by said oxide, and separating said oxide together with said fluorine compounds from said water.

2,043,706
TILING
Albert Clay Myers, Niles, Calif., assignor to Kraftile Co., Niles, Calif., a corporation of Delaware
Application January 25, 1933, Serial No. 653,411
4 Claims. (Cl. 72—20)



1. A mounting for facing tile having longitudinally disposed grooves in their edges spaced a predetermined distance from their faces, comprising a mounting plate, clips on said plate having their ends angularly bent thereto at a predetermined distant from said plate and adapted to engage in the grooves in said tile, and relatively narrow resilient lugs struck outward from the body of said plate and adapted to urge said tile against said ends.

2,043,707
ELECTRIC SIGN
Martin L. Nelson, Park Ridge, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application September 21, 1932, Serial No. 634,139
12 Claims. (Cl. 177—349)



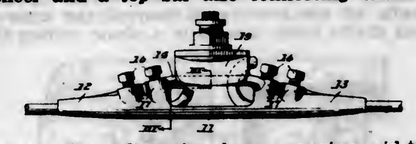
2. In an electric display system, a plurality of lamp panels each having a plurality of lamps and controlling relays therein, a group of set-up relays for each lamp panel, a single key-board common to all said panels and relay groups, each key in said key-board corresponding to a particular controlling relay in each lamp panel, means responsive to successive operations of the keys in said key-board for operating a combination of relays in each successive relay group in accordance with the actuated keys, a circuit for each controlling relay, each relay combination operated in each group preparing the individual circuit extending to the controlling relay in its associated panel corresponding to the key actuated, means for simultaneously completing all said prepared relay circuits to operatively energize said controlling relays having their circuits prepared by said relay combinations, circuits controlled by said energized controlling relays for illuminating a plurality of lamps in each panel to form the characters corresponding to the keys actuated, means for releasing said operated relay combinations, and means for maintaining said controlling relays energized after the release of said operated relay combinations to maintain said lamps illuminated.

2,043,708
PROCESS FOR PRODUCING ALIPHATIC CARBONYL COMPOUNDS AND ALCOHOLS
Hermann Prückner, Chemnitz, Germany, assignor to H. Th. Bohme Aktiengesellschaft, Chemnitz, Germany, a corporation of Germany
No Drawing. Application June 16, 1932, Serial No. 617,686. In Germany July 15, 1931
26 Claims. (Cl. 260—156)

20. A process for producing alcohols which comprises heating a solution of a mixture of inorganic salts of fatty acids at least one of which has more than 2 carbon atoms in the molecule in the presence of hydrogen and a hydrogenation catalyst.

2,043,709
SPLICER
Charles N. Replogle, Johnstown, Pa., assignor to Flood City Brass & Electric Company, Johnstown, Pa., a corporation of Pennsylvania
Application April 1, 1935, Serial No. 14,059
4 Claims. (Cl. 191—44.1)

1. The combination with a trolley wire splicer having end sleeves connected by a bottom bar, said sleeves and bar forming a passage for wires, means for securing the ends of said wires to said splicer and a top bar also connecting the end



sleeves, of a trolley wire clamp engaging said top bar.

2,043,710
PROCESS AND APPARATUS FOR STORAGE AND RECOVERY OF SOLUBLE MATERIALS
Walter Rowland, Prince George County, Va., assignor to Atmospheric Nitrogen Corporation, New York, N. Y., a corporation of New York
Application July 3, 1933, Serial No. 678,999
3 Claims. (Cl. 23—268)



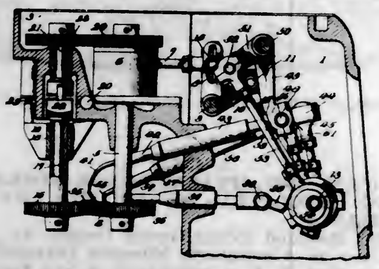
1. The process for the storage of a material which comprises introducing a mixture of said material and water into a container in which an integral mass of solid forms and during the formation of said integral mass maintaining a passageway traversing said mass from an outlet positioned at the lower portion of the container to the upper surface of said mass.

3. An apparatus for the storage of mixtures of a soluble material and water which comprises a tank, an integral mass of solid material within said tank, a liquid outlet communicating with the lower portion of the tank, a conduit communicating with said outlet and extending upwardly through the mass of material in the tank, said conduit comprising a plurality of superimposed separable sections having opposed fitting faces, each section resting on the one below and separable therefrom by being lifted, and an upwardly extending track in said tank within which the sections fit and by which they are guided into position one upon the other.

2,043,711
SEWING MACHINE
Charles F. Rubel and Anton Wyleta, Chicago, Ill., assignors to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application July 25, 1932, Serial No. 624,548
27 Claims. (Cl. 112—16)

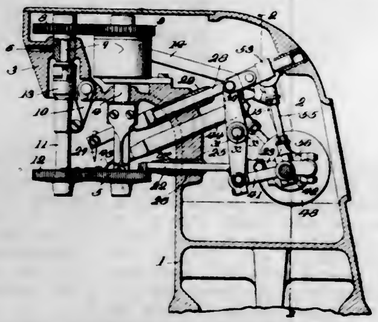
1. In a sewing machine, the combination of a housing having a laterally projecting overhanging portion, a horizontally reciprocating needle bar and needle carried by said housing beneath said overhanging portion, vertically disposed shafts mounted in and depending from said over-

hanging portion, feed wheels carried by said shafts at the lower ends thereof, the axes of said shafts being located in a plane cutting the



vertical plane containing the path of movement of the needle at an acute angle, and complemental stitch forming devices cooperating with said needle.

2,043,712
SEWING MACHINE
George Sauer, Berwyn, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application April 3, 1934, Serial No. 718,855
7 Claims. (Cl. 112—256)

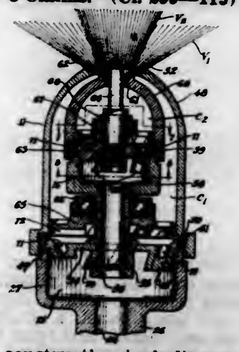


1. A sewing machine comprising a closed housing having an oil bath in the lower portion thereof, means disposed exteriorly thereof for supporting the fabric for stitching, a feeding mechanism, a stitch forming mechanism, an actuating shaft extending through said housing above the surface of the oil bath, devices extending into said closed housing and operated by said shaft for actuating said feeding mechanism and for actuating said stitch forming mechanism, and means fixed to said shaft within said housing and disposed so as to be partly immersed in the oil bath whereby oil adhering thereto will be thrown therefrom by centrifugal force for lubricating the operating parts within said housing.

2,043,713
WINE AND VINEGAR CLARIFICATION PROCESS
Lawrence G. Saywell, Berkeley, Calif.
No Drawing. Application December 24, 1934, Serial No. 759,647
11 Claims. (Cl. 99—48)

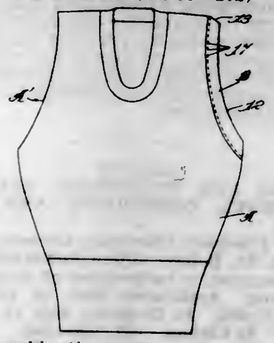
1. The process of clarifying wine and vinegar which comprises agitating the same with bentonite to precipitate the objectionable suspended matter.

2,043,714
DUPLEX NOZZLE CONSTRUCTION
John C. Schellin, Wooster, Ohio, assignor to The Akron Brass Manufacturing Company, Wooster, Ohio, a corporation of Ohio
Application September 27, 1935, Serial No. 42,527
8 Claims. (Cl. 299—115)



8. Nozzle construction including walls forming discharge chambers one within the other and having concentric discharge apertures, means for supplying fluid to the discharge chambers, and rotor means in said chambers for breaking up fluid into particles and discharging said particles out of said discharge apertures in the form of concentric cones of vapor.

2,043,715
KNITTED BINDER STRIP
Carl F. Schuessler, Chicago, Ill.
Application July 30, 1932, Serial No. 627,019
4 Claims. (Cl. 66—172)

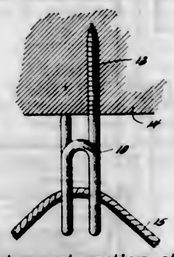


4. In combination with a garment provided with a substantially circular hole, a knitted tubular binder piece having certain longitudinal wales of stitches omitted to form a groove adapted to receive the fabric adjacent the hole, and means for securing the garment fabric within said groove.

2,043,716
CLOTHESLINE RETAINER
James J. Sloan, Stow, Ohio, assignor to Roy Bishop, New Milford, Ohio
Application November 10, 1934, Serial No. 752,521
Renewed May 1, 1936
4 Claims. (Cl. 24—130)

1. A clothes line retainer comprising a single length of metallic wire, the mid-section of said wire being U-shaped and the sections of the two

end portions thereof which are nearest said mid-section being disposed in a plane which makes an acute angle with the plane of said mid-section, whereby a line retaining V-shaped notch is



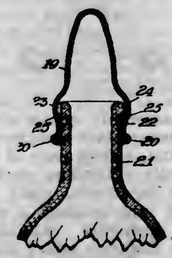
formed, the outermost section of one end portion being threaded, and the outermost section of the other end portion being disposed in a plane normal to said threaded section, so as to comprise a limiting stop and bracing member.

2,043,717
VIBRATION DAMPER
George W. Stickley, Massena, N. Y., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
Application April 18, 1934, Serial No. 721,159
7 Claims. (Cl. 248—63)



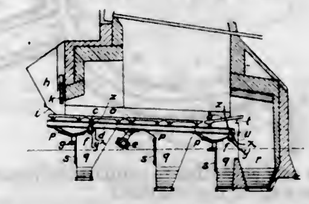
1. A vibration damper for a transmission line supported in spans by clamps, comprising a member immovably supported with respect to one of said clamps, a friction plate mounted at each end of said member, link members attached to said line in frictional engagement with said friction plates, and means incorporating an adjustable weight for regulating the frictional resistance between said friction plates and said link members.

2,043,718
NURSING BOTTLE
Benjamin Tauf, Chicago, Ill., assignor to Isadore S. Rosin, Chicago, Ill.
Application April 21, 1934, Serial No. 721,801
2 Claims. (Cl. 215—11)



1. In combination, a bottle having a hollow neck equipped at its top with a bead extending laterally beyond the contour of said neck, said bead having a groove therein terminating at the base of the bead, said neck being provided with a groove on the opposite side from said bead groove and terminating below said bead, and a nipple engaging said neck and adapted to be pressed against said bead to close the groove therein.

2,043,719
MECHANICALLY MOVED GRATE
Bernhard Telgmann, Dortmund-Barop, Germany
Application August 13, 1931, Serial No. 556,867
In Germany January 16, 1929
6 Claims. (Cl. 110—33)



6. In a mechanically moved grate, a set of grate bars, supports for the grate bars, plate springs wholly supporting at least one end of each of the grate bar supports, fixed supports for securing said springs, and eccentric means for imparting movement to the first named supports of the grate bars whereby the latter are caused to move upwardly and downwardly in an oblique direction on the said supporting springs, the said movement of the first named supports actuating the grate in the manner indicated.

2,043,720
THERMIONIC CATHODE HEATER AND METHOD OF MAKING IT
Edward R. Wagenhals, West Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
No Drawing. Application November 25, 1933, Serial No. 699,708
2 Claims. (Cl. 250—27.5)

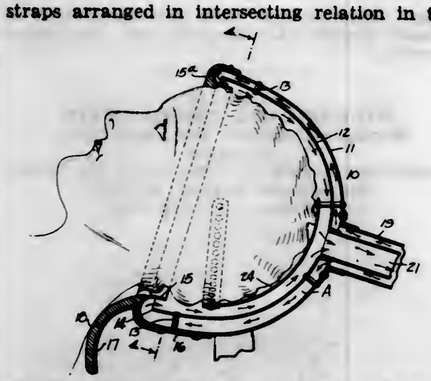
1. The method of making an electrically insulated heater for electron discharge tubes which comprises coating a ductile tungsten heater wire with chemically pure aluminum oxide powder of particles of average size of about 2 microns and of maximum size not greater than 6 microns in suspension in a carbonaceous binder and heating said coated ductile tungsten wire to a temperature of approximately 1800° C. in an atmosphere of hydrogen saturated with water vapor until said coating is sintered into a hard dense coherent layer adherent to said wire.

2,043,721
HAIR DRYING APPARATUS
Ruby M. Warwick, San Francisco, Calif.
Application August 13, 1934, Serial No. 739,660
4 Claims. (Cl. 34—26)

2. A hair drier comprising a chamber through which a drying medium can flow, the chamber having an opening to enable the head to project thereinto; and a saddle composed of a transverse perforated strap and a perforated back strap spaced apart from the inner walls of the chamber for co-action in supporting the head in a position to provide a space between same and said inner walls for movement of the medium therethrough.

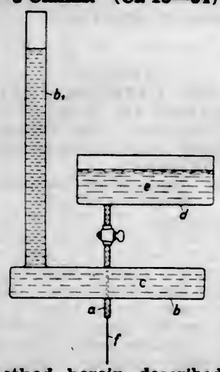
3. A hair drier comprising a drying chamber having an opening to receive the head; means for circulating air in the chamber through the hair of the head; and a plurality of perforated

straps arranged in intersecting relation in the



chamber and co-acting to support the head spaced from the wall of the chamber.

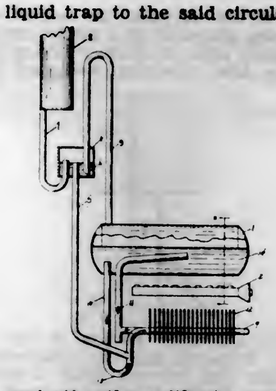
2,043,722
PROCESS FOR PRODUCING FILAMENTS FROM A RAW MATERIAL WHICH HAS BEEN SOLIDIFIED BY THE ACTION OF SOLID, LIQUID, OR GASEOUS MEDIA
Heinrich Ziegner, Hagen, Germany
Application June 29, 1935, Serial No. 29,182
3 Claims. (Cl. 18—54)



1. The method herein described of producing a filament from a fluid raw material that becomes solid under the contact of another medium, which consists in shaping the fluid raw material within a permeable wall and causing a solidifying medium penetrating such wall to come into contact with the fluid material shaped within.

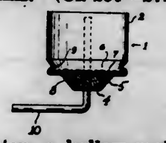
2,043,723
CIRCULATORY LOOP
Edmund E. Allyne, Cleveland, Ohio, assignor to Allyne Laboratories, Inc., Cleveland, Ohio, a corporation of Ohio
Application July 24, 1933, Serial No. 681,994
2 Claims. (Cl. 62—118)

1. In an absorption cycle refrigerating system, a still-absorber, a heating burner therefor, an outlet conduit leading from said still-absorber to an elevated liquid trap, a closed circulating loop provided with a series of spaced vertical heat conducting fins arranged thereon depending from said still-absorber, the major portion of the said loop lying in both the horizontal and parallel planes thereto, a gas return conduit leading from the said liquid trap to the said circulating loop



and communicating therewith at a point slightly below the major horizontal portion thereof.

2,043,724
VACUUM TUBE
Homer G. Anderson, Waltham, Mass., assignor to Raytheon Production Corporation, Newton, Mass., a corporation of Delaware
Application October 25, 1932, Serial No. 639,435
7 Claims. (Cl. 250—27.5)



1. In combination, a hollow metal cup closed at one end and open at the other end, a pocket in said closed end, a mixture of powdered barium oxide and powdered aluminum in said pocket, an aluminum foil covering said mixture, a perforated member covering said foil, and means for retaining said perforated member within said cup to retain said foil and mixture therein.

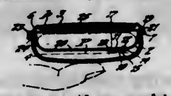
2,043,725
BEARING MOUNTING
Samuel M. Andersen, Sharon, Mass., assignor to B. F. Sturtevant Company, Inc., Boston, Mass.
Application September 7, 1934, Serial No. 743,049
2 Claims. (Cl. 308—26)



1. A bearing assembly comprising a base, a bearing, a horizontal plate attached to the journal of said bearing, a first pair of spaced plates having downwardly extending portions, one attached to said horizontal plate on each side of the journal of said bearing, a second pair of plates having upwardly extending portions spaced a greater distance apart than the plates of said first pair, and resilient members in contact with the outer faces of the downwardly extending portions of the plates of said first pair and with the inner faces of the corresponding upwardly extending portions of the plates of said second pair, said downwardly and upwardly extending portions of said plates and said members

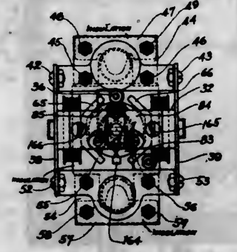
being so arranged that said members are placed under tension and shear, said members contacting with substantial areas of said faces of said portions of said plates whereby substantial resistance to shear is provided.

2,043,726
VANITY CASE
Ralph C. Bangs, Providence, R. I., assignor to Juliette G. Wolff, New York, N. Y.
Application October 6, 1932, Serial No. 636,444
9 Claims. (Cl. 132—82)



1. In a vanity case, the combination of a concave receptacle having perforations in its bottom, a pouch for powder enclosing the bottom of the receptacle, a filler-opening in the bottom of the receptacle communicating with the interior of the pouch, and means for closing the filler-opening.

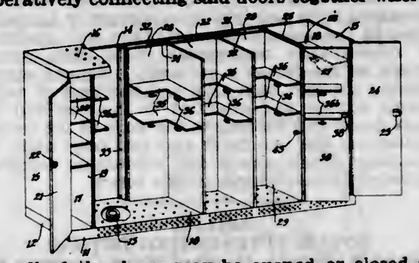
2,043,727
DIRECTION INDICATING DEVICE
Joseph Bell, Cincinnati, Ohio
Application August 17, 1933, Serial No. 685,602
13 Claims. (Cl. 177—327)



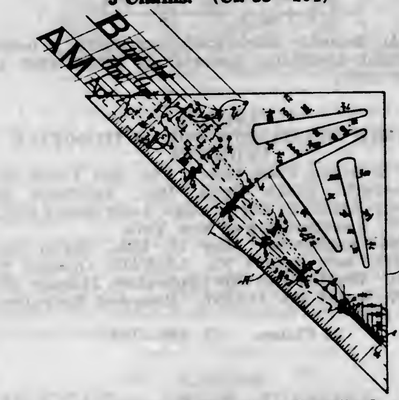
1. A direction indicator having in combination an electromotor, a pair of stators spaced substantially 180 degrees apart in said electromotor, an armature in said electromotor between said stators, a shaft for said armature, a pair of negative coils and a positive coil on said armature spaced at equal angles to each other with the bases of the triangle formed by the coils lying between said shaft and the periphery of the armature, an indicating member secured to said shaft in a non-indicating position, means for energizing said armature, means for energizing said stators, means for de-energizing one of said coils, and coacting means on said stators and said armature limiting the arcuate travel of said indicating member from a non-indicating position to an indicating position in either direction.

2,043,728
MULTIPLE LOCKER
Stacey Beast, Jr., Canton, Ohio
Application February 1, 1936, Serial No. 61,987
7 Claims. (Cl. 312—106)

1. A locker unit including a back wall and a side wall, a plurality of L-shaped doors including back portions hinged at one edge upon the back wall and forming partitions defining locker compartments when the doors are in closed position and being parallel to the back wall when the doors are in open position, and front portions forming closures for the locker compartments when the doors are in closed position, and means operatively connecting said doors together whereby all of the doors may be opened or closed simultaneously.



2,043,729
DRAFTING INSTRUMENT
James K. Bilder, Dayton, Ohio
Application June 8, 1932, Serial No. 615,956
5 Claims. (Cl. 33—104)



1. In an article of the class described, a body member having a plurality of apertures formed in groups symmetrically spaced with reference to a group of center holes for obtaining various radii, corresponding apertures in each group being also symmetrically spaced with reference to one side of the article for obtaining parallel lines of various determined spacings.

2,043,730
SPECTACLES
Harry H. Blase, Wilkes-Barre, Pa.
Application June 25, 1934, Serial No. 732,348
1 Claim. (Cl. 88—48)



An eye glass construction, in combination, lens supporting members, a bridge connecting said members together in spaced relation, a stud connected to the nasal end of each member below the horizontal plane of the bridge and each stud extending inwardly beyond the inner face of said member and each stud having a horizontal substantially rectangular-shaped recess therein open-

ing out through the free end and one side edge of the stud, a pair of nose guard shanks, each of elongated form and having substantially all parts lying in the same horizontal plane with its base of substantially rectangular shape and fitting snugly in the recess, a vertically arranged screw passing through each stud and the base of each shank, a nose pad attached to the free end of each shank and portions of the walls of the recess contacting the two faces and two edge walls of the base of the shank for preventing turning movement of the shank on the screw.

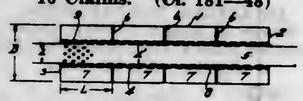
2,043,731

SOUND ATTENUATING DEVICE

Roland B. Bourne, Hartford, Conn., assignor to The Maxim Silencer Company, Hartford, Conn., a corporation of Connecticut

Application February 17, 1936, Serial No. 64,223

16 Claims. (Cl. 181—48)



1. An acoustic sidebranch comprising a body of sound absorbing material in series with a closed cavity.

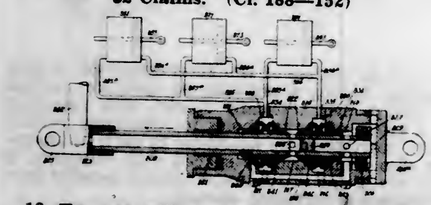
2,043,732

BRAKE MECHANISM FOR AUTOMOTIVE VEHICLES

Caleb S. Bragg, Palm Beach, Fla., and Victor W. Kliesrath, South Bend, Ind., assignors to Bragg-Kliesrath Corporation, Long Island City, N. Y., a corporation of New York

Original application May 19, 1925, Serial No. 31,281, now Patent No. 1,826,414, October 6, 1931. Divided and this application January 25, 1927, Serial No. 163,351. Renewed November 10, 1933

32 Claims. (Cl. 188—152)



16. For use with an automotive vehicle provided with an internal combustion engine having a suction passage power operated mechanism comprising an actuating cylinder and a double acting piston therein, reversing valve mechanism including a casing and valves exterior to the actuator cylinder, a suction pipe for connecting the valve casing with the suction passage of the engine, means for admitting a higher pressure fluid to the valve casing, and means for holding the valves normally in position to connect the suction pipe with the actuator cylinder on both sides of the piston.

2,043,733

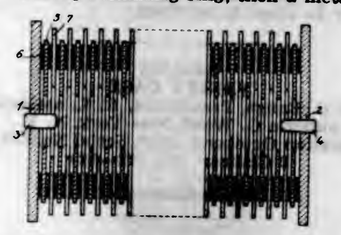
HIGH VOLTAGE VACUUM DISCHARGE TUBE

Arno Brasch and Fritz Lange, Berlin, Germany

Renewal of application Serial No. 525,244, March 25, 1931. This application May 16, 1934, Serial No. 725,968. In Germany April 1, 1930

13 Claims. (Cl. 250—27.5)

1. An ultrahigh-voltage vacuum discharge tube comprising end plates with electrodes and a series of contiguous unit condenser sections forming with said end plates an evacuated enclosure, each of said unit condenser sections comprising first a sealing insulating ring, then a metal ring,



then another sealing insulating ring, then a main insulating ring, each of said rings abutting the next in the order named, to form a hermetically sealed envelope.

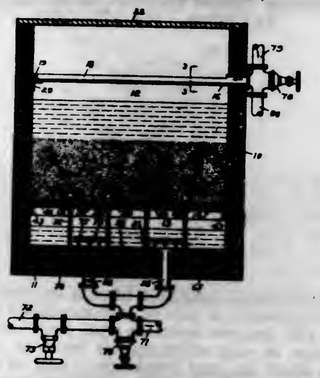
2,043,734

WATER FILTRATION APPARATUS

Thomas R. Camp, Newton, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts

Application December 30, 1933, Serial No. 704,707

4 Claims. (Cl. 210—130)



1. A water filtration apparatus comprising a tank, a horizontal porous partition therein spaced from the tank bottom and arranged to form an upper water chamber and a lower filtrate chamber, said partition comprising a plurality of uniformly permeable porous plates of bonded granular material capable of supporting the filtering grains thereon and being so constructed and arranged that it provides a substantially uniformly distributed flow of water throughout its effective surface area, a gravity filtering bed of loose, finely divided filtering grains supported by the plates and constituting the sole filtering medium, means for removably supporting the individual plates which does not materially affect the uniformity of water distribution therethrough and which provides a substantially uninterrupted clear space adjacent to the undersides of the plates, means for introducing raw water to the upper chamber, means for conducting the filtrate from the lower chamber, means for distributing wash water uniformly to the under sides of the plates and causing it to lift and wash all of the filtering grains thereabove and means for collecting and removing the wash water and sediment from the upper chamber.

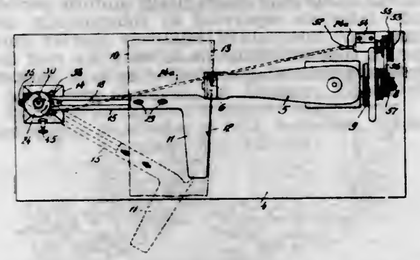
2,043,735

TUCK-MAKING DEVICE

Thomas E. Carroll and Frederick J. Meyers, New York, N. Y.

Application April 16, 1932, Serial No. 605,703

9 Claims. (Cl. 112—144)



1. In a tuck-making machine having stitch-forming mechanism, a blade for guiding thereto the material in which the tucks are to be formed, and an arm for supporting said blade, the combination of blade actuating means for moving said blade laterally with respect to the direction of advance of said material during the sewing of the tuck, operating mechanism for said blade-actuating means operatively connected with said stitch-forming mechanism and including means for permitting the blade actuating means to be moved independently of said operating mechanism, and means operated by said arm for resetting said blade actuating means for the starting of a tuck.

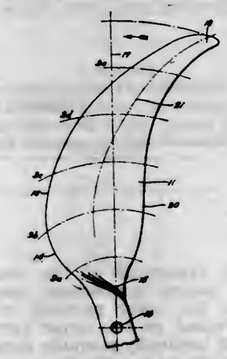
2,043,736

VENTILATING FAN

Frederick Charavay, Piqua, Ohio, assignor of one-half to Hartsell Industries, Inc., Piqua, Ohio, a corporation of Delaware

Application February 7, 1935, Serial No. 5,326

8 Claims. (Cl. 170—159)



1. A rotatable air ventilating propeller adapted for operation with little noise, having a blade in which the leading edge from a point about one-half of the propeller radius from the axis of rotation out to the blade tip is swept back at an angle of the order of 45 degrees to a radial line from the axis of rotation and in which the blade sections are of airfoil contour and of outwardly decreasing angles of attack with their chord length centers contained in a line which is swept back throughout at least the outer half of the blade length.

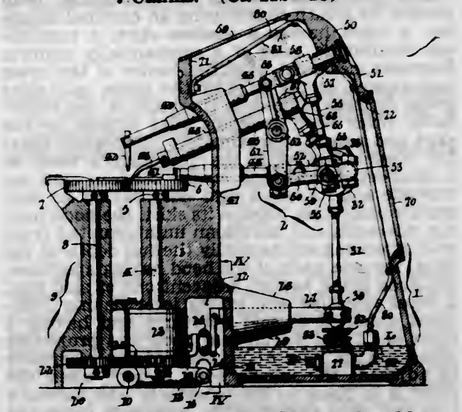
2,043,737

SEWING MACHINE

Norman V. Christensen, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois

Application November 16, 1935, Serial No. 50,132

7 Claims. (Cl. 112—16)



1. In a cup feed sewing machine, a closed housing with a sump in its base for lubricating oil; a pair of feed cups located exteriorly of the housing and driven from below; stitch forming instrumentalities also exteriorly of the housing above said feed cups; actuating mechanism within the housing; and rods or shafts confined to rotation and endwise reciprocation or to combinations of these movements and having a close working fit in the wall of the housing, for communicating the necessary movements from the actuating mechanism to the feed cups and the stitch forming instrumentalities.

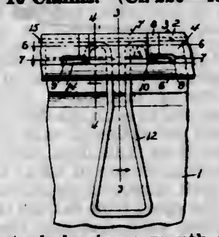
2,043,738

RECEPTACLE, COVER THEREFOR, AND MEANS FOR RELEASING THE COVERS FROM THE RECEPTACLES

Frank L. Darling, Douglaston, N. Y., assignor to Glen-Dar Can Co., a corporation of Delaware

Application December 18, 1934, Serial No. 758,135

10 Claims. (Cl. 220—43)



1. A receptacle having a mouth edge, a skirted cover fitting over the mouth of said receptacle, the skirt having an outwardly offset hood provided with side walls and an uninterrupted front wall extending the full depth of the skirt, said hood having apertures in the side walls thereof a cover releasing and lifting lever having a bifurcated portion which are located in said apertures, said lever having a short arm lying within said hood and having a long arm extending beyond said skirt, said lever having its short arm terminating adjacent resilient portion provided with trunnions adjacent the mouth edge of said receptacle when the cover is in place, said bifurcated portion being

such that the furcations may be squeezed together to bring the trunnion ends into position to be sprung into said apertures in assembling the lever and cover, the resiliency of said bifurcated portion serving to hold the trunnions in place.

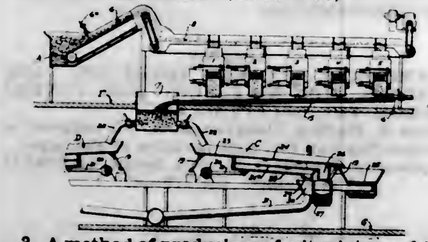
2. A receptacle having a reinforcing bead around its mouth constituting an external shoulder, a cover having a shallow skirt, a continuous reinforcing bead of a substantially uniform diameter measured from the center of the cover and located at the edge of the cover, said skirt being formed to fit over the bead of the receptacle, three bead engaging lugs formed in the skirt and spaced approximately 120 degrees apart for cooperating with the receptacle's bead as a snap-on interlocking means between said receptacle and its cover, said skirt having an outwardly projecting hood in its skirt, the hood having side walls and having an uninterrupted front wall extending substantially the full depth of the skirt, the side walls of the hood having apertures, the hood being located adjacent one of said lugs, a cover releasing and lifting lever having trunnions mounted in said apertures and having a short end lying within said hood and projecting alongside the reinforcing bead of the receptacle to adjacent the mouth edge thereof when the cover is in place on the receptacle, and having a long end lying alongside the receptacle below the cover.

2,043,739

METHOD AND APPARATUS FOR PROPORTIONING AND MIXING FRUIT

Arvid M. Erickson and Herbert E. Gray, San Jose, Calif., assignors to Barron-Gray Packing Company, San Jose, Calif., a corporation of California

Application December 2, 1933, Serial No. 700,662
Renewed October 9, 1934
19 Claims. (Cl. 99—100)



3. A method of producing a fruit mixture which comprises feeding different kinds of fruit to a plurality of dicing machines, regulating the quantity of fruit fed to each machine to maintain a predetermined proportion of each kind of fruit, discharging the diced fruit from each dicing machine into a flowing stream of water to wash and mix the diced fruit, directing the stream of water, together with the diced fruit carried thereby, into a tank to further wash and mix the fruit, and then delivering the water and fruit to a shaking screen to drain off the water and at the same time remove the smaller particles of fruit.

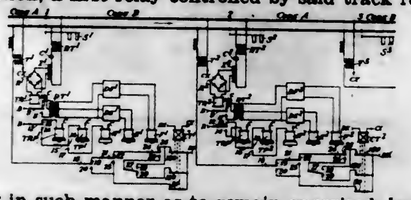
2,043,740

RAILWAY TRAFFIC CONTROLLING APPARATUS

Charles W. Failer, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application August 26, 1933, Serial No. 686,970
20 Claims. (Cl. 246—34)

14. In combination, a first section of railway track, a second section of railway track adjoining therewith, means for supplying said first section with coded rail current of a first code comprising substantially uniform periodic "on" intervals separated by substantially uniform "off" intervals of relatively shorter duration, means for supplying said second section with coded rail current comprising substantially uniform periodic "off" intervals separated by substantially uniform "on" intervals of relatively shorter duration, a code-following track relay for said first section, a first relay controlled by said track re-



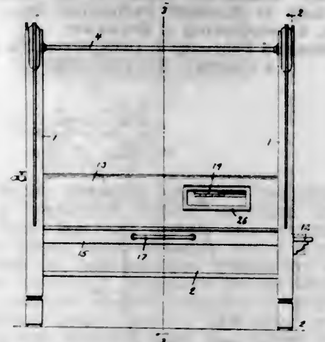
lay in such manner as to remain energized during the "off" periods of said first code and to become deenergized during each "on" period of said first code, a second relay controlled over a front contact of said first relay and capable of bridging the deenergized interval of said first relay, a third relay controlled over a back contact of said first relay and a front contact of said second relay and capable of bridging the energized interval of said first relay, and a traffic governing apparatus controlled by said third relay.

2,043,741

BATH APPARATUS

Joseph Fehn, San Antonio, and Bernhard Schmidt, Lagrange, Tex.

Application September 30, 1935, Serial No. 42,962
4 Claims. (Cl. 4—161)



1. A bath apparatus of the class described comprising hollow supporting posts, a table mounted on the lower portions of said posts, pulleys journaled on the upper portions of the posts, a hood vertically movable above the table, incandescent lamps mounted in said hood, cables connected to the hood and trained over the pulleys, and counterweights mounted on said cables and operable in the posts.

2,043,742

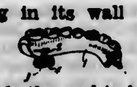
SELF RETAINING LOWER DENTURE

George W. Fleischman, Long Beach, Calif.

Application September 23, 1935, Serial No. 41,747
8 Claims. (Cl. 32—2)

7. A denture having a shank extending therefrom, and a pad consisting of an elastic pouch

with an opening in its wall capable of being



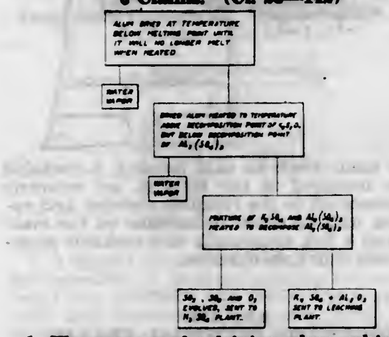
stretched to enable the pad to be slipped over the shank and secured thereto.

2,043,743

ALUMINA PRODUCTION

Francis C. Frary, Oakmont, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania

Application September 8, 1934, Serial No. 743,307
6 Claims. (Cl. 23—142)



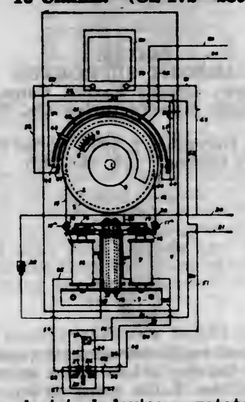
1. The process of calcining alum, which comprises heating the alum at a temperature below its melting point to drive off water, then further heating to a temperature above the temperature at which potassium pyrosulfate is decomposed but below the temperature at which aluminum sulfate decomposes, then still further raising the temperature to decompose the aluminum sulfate constituent of the alum and to drive off gases containing sulfur trioxide, and withdrawing the gases containing sulfur trioxide without contacting them with that portion of the alum which is at temperatures substantially below the temperature at which potassium pyrosulfate decomposes.

2,043,744

ELECTRICAL DEVICE

Harry Bricker Fuchs, Brooklyn, N. Y.

Application June 13, 1934, Serial No. 730,447
13 Claims. (Cl. 172—239)



1. In an electrical device, a rotatable element, a belt positioned to engage the rotatable element, a first armature secured to one part of said belt, a second armature secured to another part of said belt, an electroresponsive device adapted to actuate the first armature to operate the belt to move the rotatable element in one direction, and another electroresponsive device adapted to actuate the second armature to operate the belt to move the rotatable element in another direction.

2,043,745

FASTENER

Eugene F. Gaines, Merion, Pa., assignor to Flexible Fastener Corporation, Philadelphia, Pa., a corporation of Delaware

Application November 21, 1934, Serial No. 754,018
7 Claims. (Cl. 24—163)



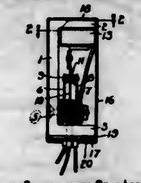
3. A fastener having a body portion of reenforced rubber with an opening, and a gripping member traversing said opening between its top and bottom and having teeth within the opening between the gripping number and the top extending inwardly and upwardly from the sides of the body portion to cause the fabric gripped to spread outwardly towards said side walls and said gripping member having the wall presented to the opening between the bottom and the gripping member smooth and unobstructed.

2,043,746

CARTRIDGE TYPE VIBRATOR

William W. Garstang, Indianapolis, Ind.

Application April 1, 1935, Serial No. 14,091
6 Claims. (Cl. 200—90)



1. An article of manufacture consisting of a vibrator comprising a base having an elongated intermediate member and a pair of arms at the end of said member extending at right angles to the member, an electro-magnet mounted on the inner face of one of said arms and within the periphery of said arm, a vibrating reed and associated contact fingers mounted at the opposite end of said base and having its free end within the influence of said magnet, and an enclosing metallic tubular cartridge enclosing said base and associated parts closed at one end and having a contour conforming to the periphery of said arms and in intimate contact with said base and having the edges of its open end turned over one of the arms to form a flange between which and the closed end of the cartridge the base is held against mechanical displacement.

2,043,747

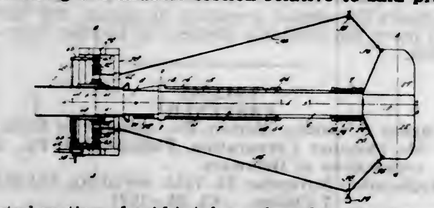
CONVEYER LOADER

Andrew J. Gordon Getty and Thomas A. Luke, McComas, W. Va.

Application July 29, 1933, Serial No. 682,852
5 Claims. (Cl. 198—220)

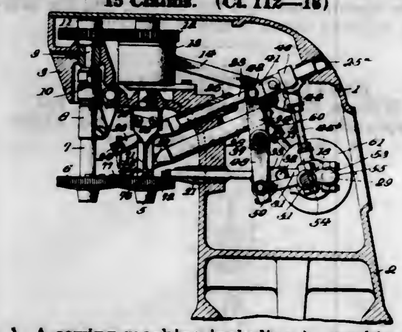
1. In a reciprocating conveyer-loader, a pivoted intake end for said loader, said end comprising a pair of slidably inter-engaged sections, one

of which said sections is relatively fixed and the other of which is movable relative to the fixed section, means for mechanically swinging the pivoted intake end of the conveyer-loader to the right or left, other means for projecting and retracting the slidable section relative to said piv-



oted section of said intake end, and motion transmitting means operatively connected with the conveyer-loader and common to the two mechanisms for utilizing the reciprocatory movement of the conveyer-loader for driving said two mechanisms, and individual control means for each of said mechanisms.

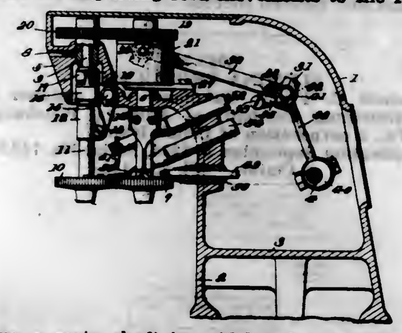
2,043,748
CUP FEED MACHINE
Hans Hachlander, Tinley Park, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application June 11, 1934, Serial No. 730,135
15 Claims. (Cl. 112—16)



1. A sewing machine including in combination a main housing, feed cups carried thereby for supporting and feeding the fabric sections being stitched, a horizontal reciprocating needle bar, a needle carried thereby, a looper supporting bar mounted for endwise and oscillating movements about its axis, a looper carried thereby, a main actuating shaft mounted in said housing, cranks disposed substantially diametrically upon opposite sides of the axis of said shaft, means actuated by one of said cranks for reciprocating said needle bar, means actuated by the other crank for reciprocating said looper supporting bar so that said bar reaches the forward end of its stroke substantially as the needle bar reaches the forward end of its stroke, and means actuated from said shaft for oscillating said looper supporting bar.

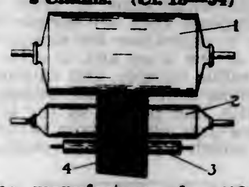
2,043,749
FEEDING MECHANISM FOR SEWING MACHINES
Hans Hachlander, Tinley Park, Ill., assignor to Union Special Machine Company, Chicago, Ill., a corporation of Illinois
Application July 20, 1934, Serial No. 736,269
28 Claims. (Cl. 112—18)

1. In a sewing machine, the combination of a housing having a laterally projecting overhanging portion, vertically disposed shafts mounted in and depending from said laterally projecting portion, inner and outer feed cups carried by the respective shafts at the lower ends thereof, a clutch mechanism at the upper end of the inner shaft for imparting feed movements to the feed



cups, a main shaft in said housing, a rockable member mounted in the housing, an eccentric strap connected to the rockable member and cooperating with an eccentric member on the main shaft, and a link connecting said rockable member to said clutch mechanism.

2,043,750
PROCESSING ARTIFICIAL THREAD
Paul E. Harrison, Nashville, Tenn., assignor to Du Pont Rayon Company, New York, N. Y., a corporation of Delaware
Application March 21, 1931, Serial No. 524,308
3 Claims. (Cl. 18—54)



1. In the manufacture of artificial thread wherein the thread is spun into buckets, the step which comprises mechanically working and elongating the bucket cake by passing the same between pressure rollers, and thereafter processing the cake by fluid treatment.

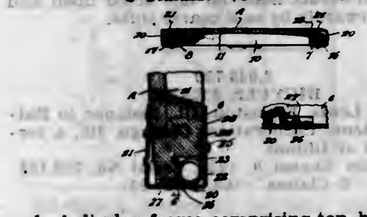
2,043,751
GARMENT SUPPORTER
Michael Hawie, Greens Farms, Conn., assignor to The Hawie Manufacturing Co., Bridgeport, Conn.
Application December 2, 1935, Serial No. 52,576
2 Claims. (Cl. 24—245)



1. A garment supporter structure comprising a first member having a bar and a second button tab member, the latter being provided at one end with a reinforced shoulder, and a fastening member having one of its ends hinged to said

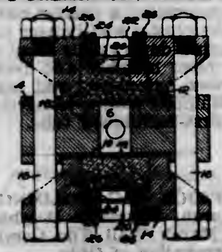
bar, the reinforcing shoulder extending into the fastening member between said bar and the other end of the fastening member, the last mentioned end of the fastening member being arc shaped in cross section and forming a cavity receiving said shoulder, the ends of the fastening member forming a restricted throat through which the tab extends, said throat being of less width than the thickness of the shoulder to prevent the latter from being withdrawn from the cavity.

2,043,752
DISPLAY FRAME
Lewis A. Hirsch, Jersey City, and Max Mittelhammer, North Bergen, N. J.
Application December 4, 1935, Serial No. 52,868
3 Claims. (Cl. 40—156)



1. A display frame comprising top, bottom and side members, a backing bridging the space between said members and presenting a longitudinally and transversely convexed front surface, clamping elements hingedly borne by said frame, one for each of said members, a portion of each of said elements overlying each of said members to removably bind display means to the frame and means normally urging said clamping elements to engage the marginal portion of said display means.

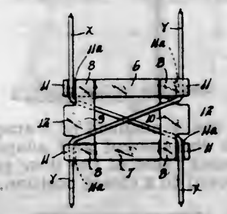
2,043,753
WATER LEVEL GAUGE
Philip A. Jerguson, West Medford, Mass.
Application December 6, 1935, Serial No. 53,201
3 Claims. (Cl. 73—54)



1. A gauge comprising a body having an open-sided chamber to receive a water column, a transparent membrane overlying the open side, a member secured to the body and clamping thereto the margins of the membrane, said member having an opening aligned with at least a part of the chamber, a glass received in said opening loosely to overlie the membrane, and means associated with said member and adjustable in and out to and from the plane of the membrane for supporting the outer face of the glass.

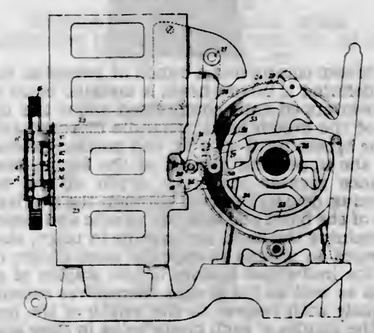
2,043,754
TRANSPOSITION INSULATOR
Edgar F. Johnson, Waseca, Minn.
Application April 25, 1934, Serial No. 722,303
2 Claims. (Cl. 173—28)

1. An insulator for transposing the respective wires of a parallel pair thereof comprising a generally rectangular body formed of insulating material and having a wire engaging means adjacent each corner thereof, wire engaging surfaces of said several wire engaging means facing and spaced approximately one-half the diameter of said wires from a common plane parallel to and intermediate of the faces of said body and alternate ones of said surfaces being arranged to face oppositely, said body having a depressed



portion adjacent each of said means and toward the center of said insulator therefrom providing a wire guiding surface facing oppositely from the wire engaging surface associated therewith and away from said plane and slightly spaced from said plane whereby wires respectively engaging diagonally opposed pairs of said surfaces and passing diagonally of said body over corresponding pairs of said surfaces will be spaced apart a slight distance at their point of crossing.

2,043,755
SLUG CASTING MACHINE
George Peyton Kingsbury, Hollis, N. Y., assignor to Mergenthaler Linotype Company, a corporation of New York
Application February 16, 1935, Serial No. 6,796
20 Claims. (Cl. 199—56)

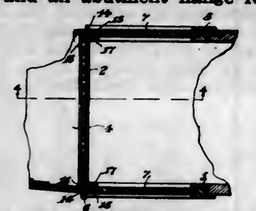


1. In a slug casting machine, the combination of a mold, a cooling chamber therefor, and means for disestablishing and establishing contact between said mold and said chamber during a machine cycle of operation.

2,043,756
FREE VISION WINDSHIELD
Joseph Ovila Lalancette, Springfield, Mass.
Application September 6, 1933, Serial No. 688,374
6 Claims. (Cl. 296—84)

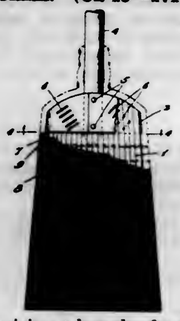
1. A device of the class described comprising a vehicle body, a windshield mounted upon the vehicle body and having integral shaped side edges, a door hinged along its forward edge to said body in a manner to be swung outwardly and away from the edge of the windshield when the door is moved to an open position, a panel carried by

said door and having a formed and shaped forward edge to snugly interfit with the edge of the windshield to provide a weatherproof and free vision joint, and an abutment flange formed in-



tegrally with the windshield of transparent material at each end thereof and adapted to abut against the inner faces of the door panels when the door is moved to a closed position.

2,043,757
BROOM
Harry J. Lay, Portland, Ind.
Application November 26, 1934, Serial No. 754,871
1 Claim. (Cl. 15—171)



A broom comprising a bunch of sweeping material defining a broom head, a metallic band having overlapped ends compressed about the upper end of the broom head, a handle disposed axially of the broom head with an end portion extending into the upper end portion of the broom head a distance greater than the depth of the band, fastening devices inserted through the overlapped ends of the band and into the handle and assisting in retaining the band and handle in place, staples arranged in groups at opposite sides of the handle, the individual bridges of the staples of each group as well as the groups themselves extending obliquely with respect to the length of the broom and the staples of each group being in close spaced relation to each other one above another with their arms extending through the band into the broom head for cooperating with the band to firmly secure the sweeping material, and an outer wrapping of sweeping material secured about the broom head and the portion of the handle projecting from the broom head.

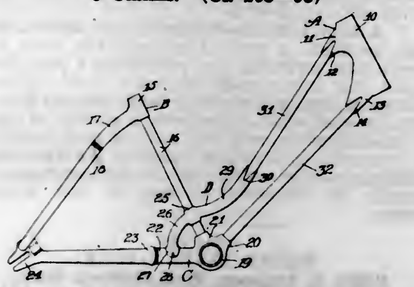
2,043,758
STREET PUSH BROOM
Harry J. Lay, Portland, Ind.
Application September 13, 1935, Serial No. 40,482
3 Claims. (Cl. 15—159)

1. A broom of the push type comprising a head, an unobstructed row of brushing tufts of relatively coarse material depending from the head along the forward portion thereof and adapted to initially and directly engage and move material forwardly when the broom is pushed in a forward direction, and a row of tufts of relatively fine material depending from the head back



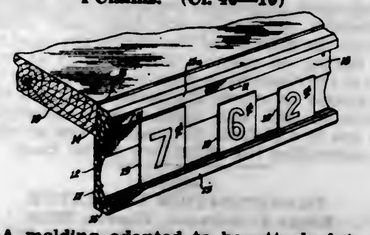
of the coarse tufts for subsequently engaging and moving forwardly material not acted upon and carried forwardly by said coarse tufts.

2,043,759
BICYCLE FRAME
George S. Lewis, Evanston, Ill., assignor to Battery Patents Corporation, Chicago, Ill., a corporation of Illinois
Application August 9, 1934, Serial No. 739,153
6 Claims. (Cl. 280—93)



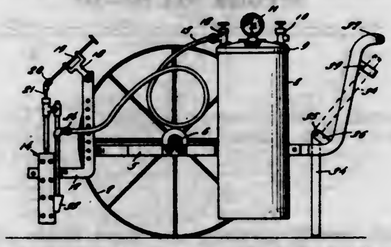
1. In a bicycle frame of the character set forth, a head member, a hanger member equipped with a rear extension, a cluster member, a tube connecting the cluster and hanger members, and a tube extending downwardly from the top portion of the head member and resting on said hanger member extension, said last-mentioned tube being equipped with a transverse collar receiving said first-mentioned tube.

2,043,760
PRICE TAG MOLDING
Harry E. Marsh, Cleveland Heights, Ohio, assignor to Marsh Wall Tile Company, Dover, Ohio, a corporation of Ohio
Application January 27, 1936, Serial No. 60,895
4 Claims. (Cl. 40—10)



1. A molding adapted to be attached to the edge of a shelf, a marginal bead at the lower edge of the molding having a longitudinal groove in its upper side, the front face of the molding having a longitudinally extending depression therein extending from said groove an appreciable distance upwardly therefrom, and a longitudinally extending flat portion above said depression and in line with the back wall of said groove, whereby a tag spanning said depression and having its lower edge portion received in said groove will lie flat against said flat portion.

2,043,761
CHINCH BUG DESTROYING MACHINE
Frank G. Marshall, Fortuna, Mo.
Application May 3, 1935, Serial No. 19,744
1 Claim. (Cl. 198—271.2)



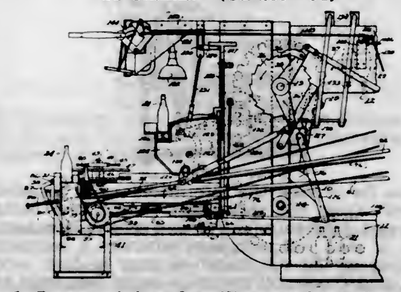
An insect destroying machine comprising a wheeled frame, a vertically disposed shell mounted on the frame and provided with apertures in the side wall thereof, said shell being fully open at its lower end and provided with a constricted opening at its upper end, a nozzle having its discharge end at the said constricted opening, a fuel supply line, a narrow priming cup secured to the outside of the said shell, said fuel line being formed to provide a narrow bight portion depending into the said priming cup, said supply line being connected to the said nozzle.

2,043,762
LIQUID CIRCULATING SYSTEM
Charles W. McCoy, Spokane, Wash.
Application January 2, 1935, Serial No. 71
10 Claims. (Cl. 103—76)



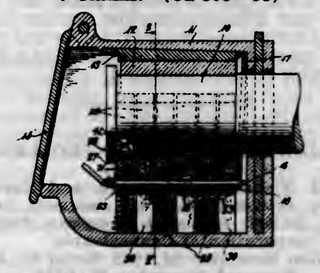
1. In a syphonic liquid-circulating system for vehicles, in combination with a tank for the liquid carried by the vehicle and divided by a partition to separate the tank into companion chambers, the partition being apertured and fitted with a check valve to allow circulation of the liquid in one direction only from one to the other chamber responsive to tilting movements of the vehicle, a pair of transversely extending liquid-receiving pockets at one end and a pair of transversely extending liquid-receiving cells at the opposite end of the vehicle, said cells and pockets being located above the level of the liquid in the tank, direct communication between the cells and indirect communication including the cells between the pockets, a liquid-conducting pipe between each of the pockets and a respective chamber, and means comprising a plurality of check valves in said system opening in the direction of liquid travel for promoting the circulation of the liquid through the system.

2,043,763
CONTAINER HANDLING MACHINE
George J. Meyer, Milwaukee, Wis., and George L. N. Meyer, Jackson Heights, N. Y., assignors to Geo. J. Meyer Manufacturing Company, Cudahy, Wis., a corporation of Wisconsin
Application April 16, 1931, Serial No. 530,590
Renewed August 15, 1934
14 Claims. (Cl. 259—54)



1. In a container handling machine, the combination of a container support, a conveyor arranged transversely of said support, a tiltably-mounted container receiving member disposed laterally adjacent said conveyor and movable to a position for depositing containers on said support, means for laterally displacing containers from said conveyor on to said tiltably-mounted member, means for tilting said member to a position adjacent said container support, and means for urging containers along said support and away from said tiltably-mounted member.

2,043,764
LUBRICATOR
Rudolph W. Miller, Winona, Minn.
Application October 8, 1935, Serial No. 44,104
7 Claims. (Cl. 308—88)

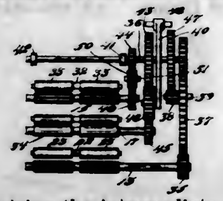


1. A journal lubricator comprising, in combination: an element to be assembled with other similar elements in a journal box and comprising a central felt body; a pair of arms extending upwardly from and integral with said body; said arms and body shaped to substantially fit with and partially surround a journal; and a bowed spring member of normally less radius of curvature than the journal carried by said body and arms to press said arms into contact with the journal.

2,043,765
SPINNING FRAME
Charles Morton, Pawtucket, R. I.
Application March 24, 1932, Serial No. 600,868
2 Claims. (Cl. 19—130)

1. In a long draft spinning frame, successive front, intermediate and back pairs of roll mem-

bers with their ends arranged in echelon relation, a short stub shaft located in sequence with said members adjacent the back roll members, means for driving the front roll members, means for driving the stub shaft at the head end of the frame from the front roll members at their end portions, means for driving the back roll member directly from the stub shaft and independent

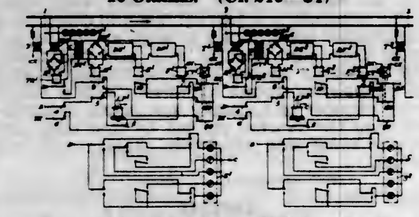


means for driving the intermediate roll member directly from the stub shaft, said drives being each in a different plane at said echelon arranged ends of said roll members, whereby a compact relation of the roll members may be had, said back and front roll members being weighted to nip the work.

2,043,766
METHOD OF MANUFACTURING RUBBER BONDED ABRASIVE ARTICLES
Charles S. Nelson, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Pennsylvania
No Drawing. Application October 5, 1934, Serial No. 746,977
6 Claims. (Cl. 51—278)

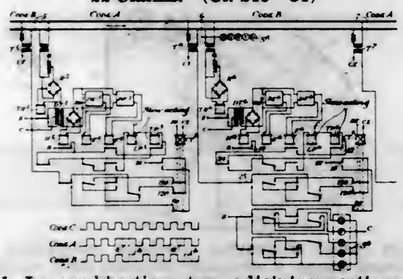
1. The method of making a distributable rubber mix for use in the manufacture of rubber bonded abrasive articles which comprises preparing a mixture comprising abrasive grains, an artificial dispersion of previously coagulated rubber and a vulcanizing agent, drying the mixture until its moisture is substantially all removed, heating the mixture to between about 225° F. and 250° F., and disintegrating the mixture to form a mass of individual abrasive granules and clusters of a few granules to which are attached a dry and vulcanizable rubber compound.

2,043,767
RAILWAY TRAFFIC CONTROLLING APPARATUS
Frank H. Nicholson, Edgewood, and Harold W. Bryan, Wilkinsburg, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application November 24, 1933, Serial No. 699,540
Renewed November 15, 1934
10 Claims. (Cl. 246—34)



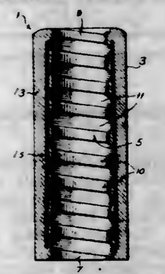
1. In combination, two adjoining sections of railway track, a source of coded current and a code-following track relay connected with the rails of one of said sections, a decoding relay responsive to code operation of said track relay, a slow acting relay controlled over a front contact of said track relay and a front contact of said decoding relay, and means including a contact of said track relay and a contact of said slow acting relay for supplying rail current to the other of said two sections.

2,043,768
RAILWAY TRAFFIC CONTROLLING APPARATUS
Frank H. Nicholson, Edgewood, and Herman G. Blesser, Pittsburgh, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application December 28, 1933, Serial No. 704,324
22 Claims. (Cl. 246—34)



1. In combination, two adjoining sections of railway track, a source of code current and a code-following track relay connected with the rails of one of said sections, a decoding relay responsive to code operation of said track relay, a protection relay controlled by both said track relay and said decoding relay, a signal governed by said protection relay, and means governed by said decoding relay for controlling the supply of rail current to the other of said two sections.

2,043,769
RECORD TABLET
Leland D. Norton, Bridgeport, Conn., assignor to Dictaphone Corporation, New York, N. Y., a corporation of New York
Application February 12, 1932, Serial No. 592,548
4 Claims. (Cl. 274—44)



4. A sound record tablet having a sound recording surface, a supporting surface, and a reinforcing means embedded between the said surfaces, said means comprising a perforate unvulcanized rubber treated relatively inelastic material.

2,043,770
ORNAMENT
Frederick W. Ottmanns, Omaha, Nebr.
Application July 27, 1935, Serial No. 32,477
3 Claims. (Cl. 41—13)

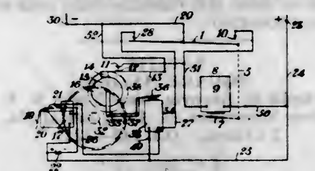
1. As a new article of manufacture, an ornament comprising a plurality of tubular straws,

means binding the straws together substantially midway between their ends, said means compact-



ing the medial portions of the straws to thereby dispose the straws in radial position about a common center.

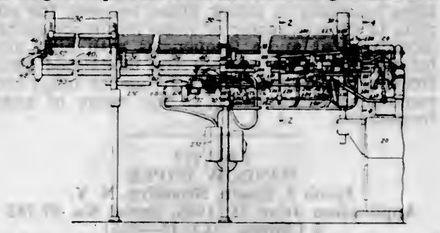
2,043,771
ELECTRIC RELAY
Leslie Hurst Peter and Roderick Marcus MacGregor, King's Cross, London, England, assignors, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application October 14, 1933, Serial No. 693,614
In Great Britain October 20, 1932
7 Claims. (Cl. 175—320)



1. A normally energized electric relay comprising, in combination, a normally deenergized electrically operated motor mechanism, means for at times energizing said motor mechanism to cause operation thereof, a rotary mechanism, means effective when said motor mechanism is energized for coupling said motor mechanism to said rotary mechanism, and means controlled by said rotary mechanism for effecting the operation of the contacts of said relay after said rotary mechanism has been rotated to a predetermined extent by said motor mechanism and for deenergizing said motor mechanism.

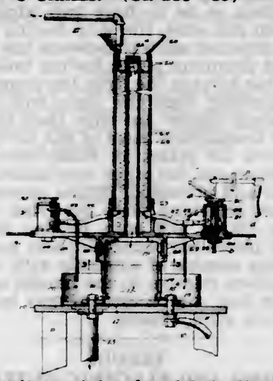
2,043,772
MACHINE FOR FASHIONING ARTICLES SUCCESSIVELY FROM BAR STOCK
Charles A. Rich, Providence, R. I., assignor to Brown and Sharpe Manufacturing Company, a corporation of Rhode Island
Application January 5, 1935, Serial No. 553
20 Claims. (Cl. 29—44)

1. In a machine for fashioning articles successively from bar stock, the combination with means for feeding bar stock to present successive portions to the work engaging tools, of a replenishing mechanism including a feed member for advancing a new bar into operating position in the machine, means for actuating said feed member to advance a new bar, control means actuated by the leading end of the new bar upon movement thereof past a predetermined point in the machine, and connections controlled thereby for arresting the operation of said actuating means and



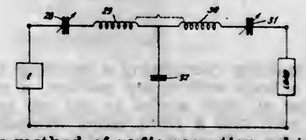
feed member upon movement of the leading end of the new bar to a predetermined operating position in the machine.

2,043,773
COMPOSITE METAL VALVE FABRICATING APPARATUS
George R. Rich, Battle Creek, Mich.
Application October 8, 1935, Serial No. 44,132
3 Claims. (Cl. 113—59)



1. Composite metal valve fabricating apparatus, comprising in combination a turntable, a support therefor, water jacketed valve holding forms mounted on said turntable, said forms having countersinks in which are supported valve parts, each form comprising an electrical ground connection for an arc welding tool by which an insert is deposited upon and fused to the valve parts, and means for circulating cooling water through the water jackets of said forms.

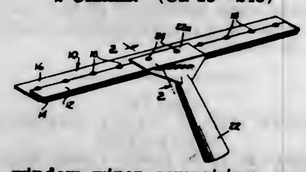
2,043,774
COUPLING ARRANGEMENT FOR AMPLIFIERS AND REPEATERS
Walter van B. Roberts, Princeton, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Original application September 2, 1926, Serial No. 133,283. Divided and this application September 9, 1932, Serial No. 632,318
9 Claims. (Cl. 178—44)



1. The method of radio reception, which comprises effecting selection of modulated radio fre-

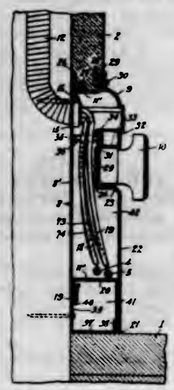
quency energy by cascaded tuned circuits, and utilizing combined condensive and inductive coupling reactions in aiding phase between the circuits to effect transfer of radio frequency energy modulated at audio frequencies with high uniformity and selectivity of the modulated radio frequency energy through a frequency range corresponding substantially to the range of audio frequencies.

2,043,775
WINDOW WIPER
Jacob J. Rosen, Brooklyn, N. Y.
Application June 21, 1935, Serial No. 27,723
2 Claims. (Cl. 15—245)



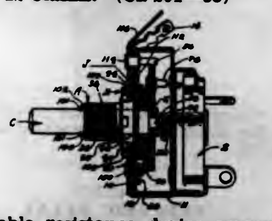
1. A window wiper comprising an elongated rectangular strip of flexible rubber of rectangular cross-section so as to have two wiping corners along each side edge, the strip having a plurality of holes disposed midway between the edges, two elongated clamping plates having holes to register with the holes in the strip, the clamping plates being narrower than the strip and having the holes therein nearer one edge than the other so that one longitudinal edge of the strip may project beyond the plates for engagement with the window pane and the other longitudinal edge may be within and protected by the plates, a handle having an attaching plate overlying one of the clamping plates, and bolts passing through the strip and plates for clamping them together, the parts being capable of assembly with the strip in four positions relative to the handle so that any one of the four wiping corners may be effectively applied to a window pane.

2,043,776
MOLDING AND ELECTRIC OUTLET BOX
Warren G. Schaller, Pelham Manor, N. Y.
Application August 20, 1934, Serial No. 740,711
8 Claims. (Cl. 247—3)



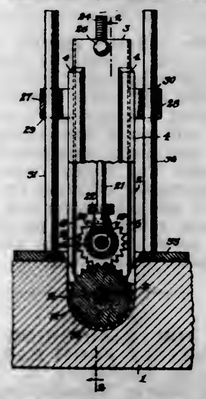
1. A molding comprising a molding structure having a body with a top portion, a rear wall extending at right angles to the top portion, a bottom wall and a front panel extending parallel to the rear wall but falling short of the top portion, and a cover plate connected to the top portion and overlapping the front panel, said cover plate being spaced forwardly of the front panel and provided with an inturned bracing panel having a portion hooked over said front panel and knockouts, whereby an outlet member may extend through said bracing panel after one of said knockouts has been removed.

2,043,777
RHEOSTAT
Newton C. Schellenger, Elkhart, Ind., assignor to Chicago Telephone Supply Company, a corporation of Indiana
Application May 26, 1933, Serial No. 672,955
12 Claims. (Cl. 201—55)



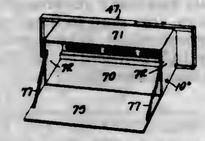
1. A variable resistance device comprising, a mounting thimble, a serrated enlarged head on said thimble, a shoulder of lesser diameter and emerging from said head, an insulating base having the serrations engaging one face of said base, a mounting washer having an irregular opening therein and engaging the opposite face of said base, said shoulder of the thimble being expanded to hold the thimble, base and mounting washer together.

2,043,778
SQUARE AUGER
Crispin B. Segovia, New York, N. Y.
Application November 15, 1935, Serial No. 50,013
3 Claims. (Cl. 145—122)



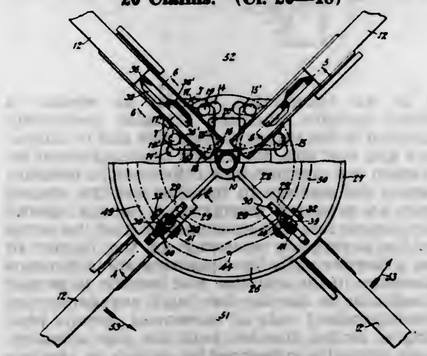
1. An auger for drilling a square hole, said auger comprising a cylindrical one-piece cutter of greater diameter than length, a saw slightly spaced from each end of said cutter, each of said saws being in the form of a disk and of the same diameter as said cutter, a casing having apertured projections, said saws having tubular shanks extending through the apertures in said projections into the center of the cutter, means for clamping said shanks together, said shanks being keyed to said cutter whereby the cutter and saws will rotate as a unit, and power means for driving said cutter

2,043,779
REFRIGERATOR CABINET
Linda F. Seifert, New York, N. Y.
Application January 24, 1936, Serial No. 60,618
1 Claim. (Cl. 312—112)



In a window box having a top wall and a bottom wall, the rear end of each of said walls being characterized by an inwardly extending vertical wall, a horizontal outwardly projecting wall extending from said vertical wall, a second vertical wall projecting outwardly from said horizontal wall, and a flange extending horizontally inwardly from said second vertical wall, said box having a pair of relatively movable contacting rear walls, each of said rear walls having upper and lower edges, each edge formed with inwardly and downwardly extending flanges positioned within and cooperating with the vertical walls and horizontal flange of the top and bottom walls of said box, said rear walls each having its inner portion perforated and its outer portion imperforate.

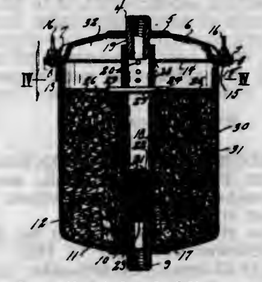
2,043,780
COLLAPSIBLE REVOLVING DOOR
George N. Simpson, Chicago, Ill.
Application October 26, 1935, Serial No. 46,935
20 Claims. (Cl. 20—18)



1. In a collapsible revolving door, means for releasably holding the door wings in radial position so that they may be collapsed under abnormal pressure, and means for automatically varying the resistance to collapsing during certain periods in the rotation of the door.

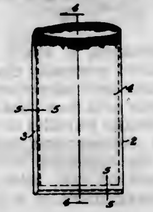
2,043,781
REMOVAL OF ABRADING AND OTHER PARTICLES FROM SUSPENSION
Niels A. Sorensen and Rudolph A. Walters, Fostoria, Ohio, assignors to The Fostoria Pressed Steel Corporation, Fostoria, Ohio, a corporation of Ohio
Application July 16, 1934, Serial No. 735,394
3 Claims. (Cl. 210—131)

1. In a device of the character described, the combination of a cylindrical chamber having an open end and an opposite closed end, a concentric tube in said chamber having inlet openings adjacent said open end of the chamber and outlet openings adjacent the closed end of the chamber, said tube having a baffle therein spacing said inlet openings from said outlet openings, a perforate partition outside the tube and in the chamber, fibrous entraining means in the chamber between the perforate partition and toward said outlet openings, said perforate partition being



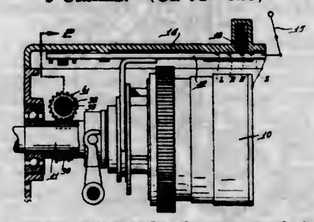
shiftable along the tube, holding means coacting between the tube and partition for maintaining the partition in entraining means compressing position about the tube toward the outlet openings, and a closure for the chamber open end.

2,043,782
METHOD OF MAKING DOUBLE BAGS
Lawrence O. Sprosty, Lakewood, Ohio
Application June 8, 1935, Serial No. 25,603
3 Claims. (Cl. 93—35)



1. A method of making a double bag of fibrous material, which consists in folding a rectangular piece of fibrous material upon itself, then closing the three open sides thereof, and then folding one-half of the closed piece into the other half.

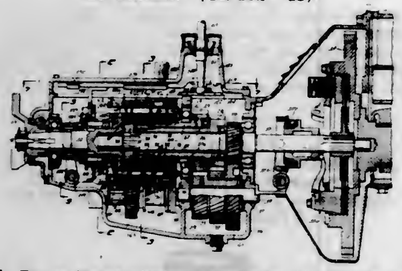
2,043,783
MEANS FOR RESTRAINING TRANSMISSION SHIFTS
Tracy Brooks Tyler, Detroit, Mich., assignor to The Monopower Corporation, Detroit, Mich., a corporation of Michigan
Application May 14, 1932, Serial No. 611,382
Renewed November 15, 1935
9 Claims. (Cl. 74—325)



9. In a transmission having neutral, low, second, and high speed drive connection members, shifter means adapted to be moved to different position for selectively engaging any one of said

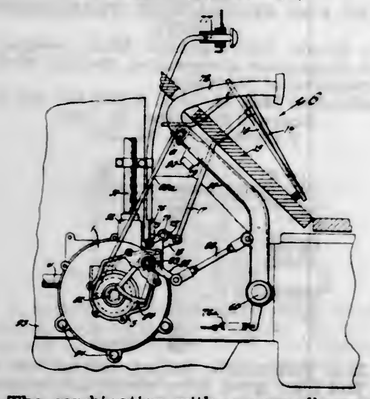
connections at one time, a lockout member adjacent said shifter means, means operated by a moving part in said transmission for moving said lockout member to various positions corresponding to the speed of said moving part, and means on said shifter part engaged by said lockout means to prevent certain movements and to permit certain movements of said shifter part, said means being arranged to permit free movement of said shifter part from neutral position to low position or from low position to neutral position or low position to second position at all times.

2,043,784
CLUTCH MECHANISM FOR TRANSMISSIONS
Tracy Brooks Tyler, Detroit, Mich., assignor to The Monopower Corporation, Detroit, Mich., a corporation of Michigan
Application May 31, 1932, Serial No. 614,349
Renewed November 15, 1935
19 Claims. (Cl. 192—48)



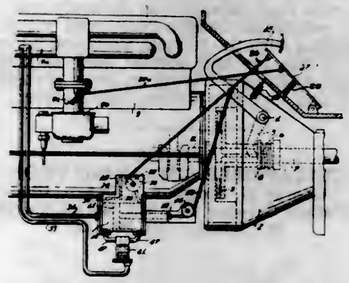
1. In a transmission, a shaft, a plurality of longitudinally spaced normally disengaged multiplate friction clutch sets surrounding said shaft, a drum surrounding and non-rotatably secured to said clutch sets, means parallel to the axis of said shaft and spaced therearound, and passing thru said clutch sets for selecting one of them, and means independent of said selecting means for causing clutch engagement of a pre-selected set.

2,043,785
CLUTCH ACTUATOR
Tracy Brooks Tyler, Detroit, Mich., assignor to The Monopower Corporation, Detroit, Mich., a corporation of Michigan
Application June 2, 1932, Serial No. 614,946
11 Claims. (Cl. 192—.01)



1. The combination with a normally engaged clutch and a pedal for operating the same, of a power actuator having a line adapted to be connected to a source of suction and a line connected to atmosphere, valve means for controlling communication between said lines and said actuator, personally operable means for operating said valve means, an auxiliary means of communication, and means for controlling said auxiliary means of communication, said last named means being operable independently of the means for actuating said valve means.

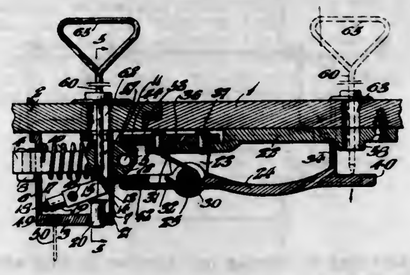
2,043,786
MEANS FOR ACCELERATING CLUTCH ENGAGEMENT
Tracy Brooks Tyler, Detroit, Mich., assignor to The Monopower Corporation, Detroit, Mich., a corporation of Michigan
Application June 3, 1932, Serial No. 615,210
5 Claims. (Cl. 192—.01)



1. In an automotive vehicle, an engine, a throttle therefor, a clutch actuator operatively connected to the engine suction line and to atmosphere and operable, for clutch disengagement by and upon the creation of a difference in pressure between the medium in the line and the atmosphere, an actuator manipulator, means operatively connecting the manipulator and the actuator for permitting operation of the former to open a bleeder path for equalizing the difference in pressure in the actuator and thereby to permit the actuator to operate for clutch engagement at a predetermined rate of movement, means providing a second bleeder path for the actuator, means normally influenced by suction in the engine suction line for closing the second bleeder path but operable, upon a failure of suction in the line due to rapid operation of the throttle, to open said second bleeder path, thereby to permit rapid clutch engagement operation of said actuator by providing auxiliary means for equalizing the difference of pressure in said actuator.

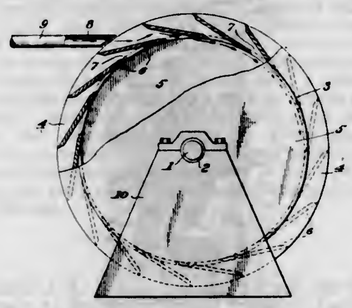
2,043,787
DOOR FASTENER
Gunther Philip Wild, Philadelphia, Pa.
Application June 21, 1935, Serial No. 27,643
4 Claims. (Cl. 70—29)

1. A door fastener comprising a keeper element adapted to be actuated by a keeper release element, one of said elements being secured to a jamb and the other to a door, and locking means adapted to engage said keeper element, there being a hole in said keeper element registering with a hole in that part of the door construction to which said keeper element is secured to afford access to said locking means for disengaging said



locking means from said keeper element from within said door.

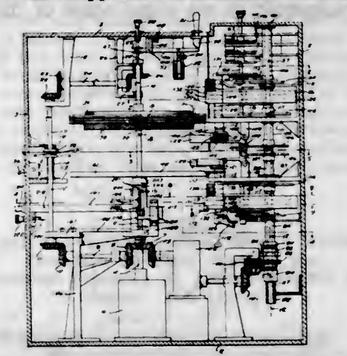
2,043,788
ROTARY STEAM FRICTION MOTOR
Clark W. Adair, Chicago, Ill.
Application April 7, 1934, Serial No. 719,513
1 Claim. (Cl. 253—50)



An invention in a fluid motor, a rotor comprising an annular member, louvers on the member forming a plurality of tapered intake and exhaust openings, and adapted to receive and direct a motive fluid into the rotor for rotating the rotor, a pair of cylinders each having smooth inner surface with outer closed end, attached one to each side of the annular member to receive motive fluid injected into rotor between louvers whereby any remaining motive force in the fluid exhausted from the tapered louvered openings is transferred by friction to the smooth inner surface of the cylinders, said fluid being then exhausted through the same openings between the louvers that it was injected into the rotor, a shaft supporting the rotor, mountings supporting the shaft, and a means for directing the motive fluid into the louvered openings in the rotor.

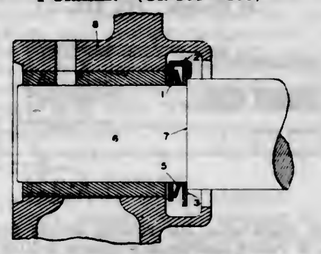
2,043,789
MULTIPLE RECORD PHONOGRAPH
Arthur C. Ansley, New York, N. Y.
Application May 20, 1935, Serial No. 22,349
7 Claims. (Cl. 274—10)

7. In a phonograph, a supporting means for a stack of records, a second supporting means, means for automatically transferring a record without reversal from the first supporting means to the second supporting means, stylus means for playing the under side of a record while supported on said first mentioned supporting means and for playing the opposite side of the same record while supported on said second mentioned



supporting means, and means for rotating the said supporting means in opposite directions.

2,043,790
THRUST WASHER ASSEMBLY
Paul W. Baker, St. Louis, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a corporation of Delaware
Application January 8, 1932, Serial No. 585,490
4 Claims. (Cl. 308—163)

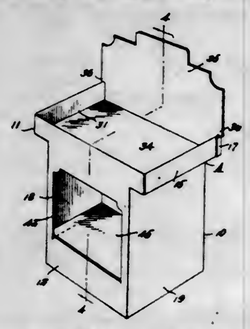


1. A thrust washer assembly comprising an annular member provided with spaced apart ears on its periphery, a second annular member provided with spaced apart notches on its periphery for cooperating with the ears to prevent relative rotation of the members, said ears also limiting the extent of separation of the members, and a spring washer interposed between the members and normally maintaining them in maximum spaced relation.

2,043,791
KNOCK-DOWN FLOOR STAND OR SIMILAR ARTICLE
Abraham Barron, Bronx, N. Y.
Application May 31, 1935, Serial No. 24,221
10 Claims. (Cl. 211—135)

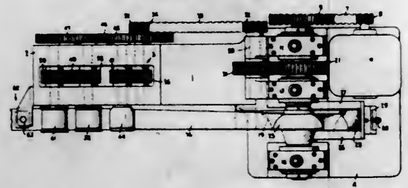
1. In a knock-down article, a collapsible body member including a lower portion comprising angularly related swingably connected vertical walls constituting a tubular pedestal and an upper tubular portion comprising angularly related swingably connected vertical walls, two opposite walls of the upper portion being vertically continuous with the corresponding walls of the lower portion and extending laterally beyond the side edges thereof with the remaining walls of the upper portion connected to the said opposite walls at the laterally extended edges thereof and spaced outwardly beyond the remaining walls of the lower portion and means defining an upper supporting

surface fitted within the walls of the upper portion, supported by the upper edges of the said



remaining walls of the lower section and adapted to retain the body in set up condition.

2,043,792
METHOD AND APPARATUS FOR ROLLING BACKBANDS FOR TIRE COVERS
John E. Blank and Guy S. Adams, Jackson, Mich., assignors to Ryerson & Haynes Inc., a corporation of Michigan
Application July 18, 1933, Serial No. 680,918
16 Claims. (Cl. 153—3)

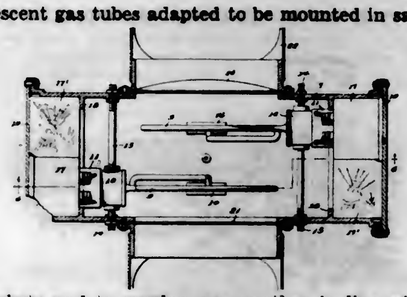


1. In apparatus for rolling bands from strip metal, a roller having a concave rolling surface of revolution approaching a substantially cylindrical surface at one edge and a plane surface at the other edge, a second roller having a convex surface of revolution sufficiently spaced from the other surface to receive the strip metal and two additional spaced rollers adapted to pass the strip metal to the first mentioned rollers.

8. The method of forming strip stock into a curved concavo-convex object having different edge curvatures which consists in rotating two rolls each having different edge circumferences, feeding said strip stock between the peripheral surfaces of said rolls and exerting sufficient braking action on the movement of the entering strip stock to prevent development of longitudinal compression stresses at the edges thereof.

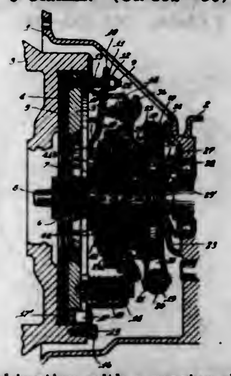
2,043,793
ELECTRIC LIGHTING APPARATUS
Joseph O. Cadieux, Meriden, Conn., assignor to Connecticut Telephone & Electric Corporation, Meriden, Conn., a corporation of Delaware
Application November 15, 1930, Serial No. 495,886
5 Claims. (Cl. 177—329)

1. Traffic signal apparatus comprising a casing having a central compartment with extension compartments on each of the two sides and windows centrally disposed in two other sides, a transformer and tube socket mounted in each of said extension compartments, said sockets being offset with respect to each other, and luminescent gas tubes adapted to be mounted in said



sockets and to overlap one another in line with said windows.

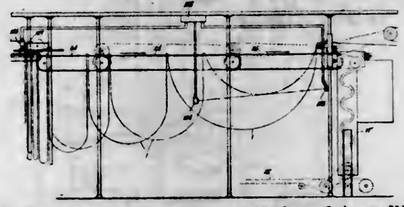
2,043,794
MOTOR VEHICLE CLUTCH
Liborio L. Curcuru, Ferndale, Mich., assignor of one-third to Otto F. Barthel, Detroit, Mich.
Application May 19, 1933, Serial No. 671,869
6 Claims. (Cl. 192—36)



1. In combination with a master clutch having resilient means normally causing engagement thereof, a part rotatable with the moving part in said clutch and supporting movable members for disengaging said clutch, a sleeve rotatably journalled in said part which rotates with said clutch and adapted to rotate with said part through friction therewith, a second sleeve adapted to engage said movable members so that movement in one direction causes said members to disengage said clutch and movement in the other direction permits said clutch to be engaged, cams formed on one of said sleeves, rollers mounted between said cams and said second sleeve so that relative rotary movement of said sleeves results in relative longitudinal movement, and a retarding member, said retarding member having a part adapted to frictionally engage said first named sleeve and a part adapted to frictionally engage said second named sleeve to selectively cause relative rotation in opposite directions.

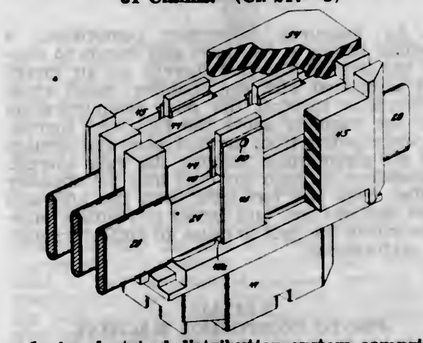
2,043,795
FESTOON DRIER
Charles A. Dickhaut, Highland Park, and Charles C. Willis, Bound Brook, N. J., assignors to John Waldron Corporation, New Brunswick, N. J., a corporation of New Jersey
Application October 9, 1933, Serial No. 692,750
7 Claims. (Cl. 34—20)

1. In a festoon drier, a main travelling carrier formed in sections by pairs of chains, sticks carried by said travelling carrier, an auxiliary carrier, sticks carried by said auxiliary carrier, said auxiliary carrier and sticks cooperating with said main carrier and sticks to facilitate the initial formation of loops and after the formation of the loops said auxiliary carrier removing said sticks carried thereby from contact with the paper to permit the formation of the desired festoons.



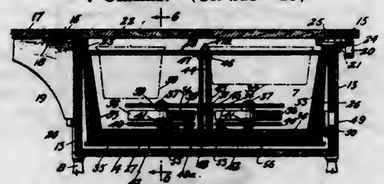
7. In a festoon machine, a series of travelling conveyors in the drier section, sticks carried by said conveyors, means for removing web material therefrom consisting of a smooth surface conveyor travelling slightly faster than the last pair of chain conveyors on the drier section, means for holding back the sticks carrying the festoon web in spaced relationship at the end of the smooth surface conveyor, a series of delivery conveyors, each travelling at a greater rate of speed than the preceding delivery conveyor, the rate of speed of the final conveyor approximating the linear surface speed of the web, a releasing mechanism for releasing one stick at a time to the delivery conveyors, a photoelectric cell to operate said releasing mechanism when the last festoon on the delivery conveyors is shortened to a predetermined depth whereby a light ray will strike the cell, and means for guiding and winding the web.

2,043,796
BUS DUCT
Harrison J. L. Frank, Highland Park, Mich., assignor to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Application February 15, 1932, Serial No. 592,912
31 Claims. (Cl. 247—3)



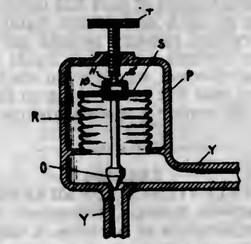
1. An electrical distribution system comprising a long run of duct externally supported on spaced supports and having a cover which may be moved to expose the interior of the duct wherever desired and a plurality of long runs of relatively insulated bus bars in said duct, the duct having a plurality of removable and replaceable portions closely spaced at uniform distances between the duct supports to permit of access to the interior of the duct and to the bus bars at any desired ones of closely and uniformly spaced points between the duct supports, apertured plug receiving receptacles within the duct at certain ones of the aforementioned closely spaced points permitting plug-in access therethru to the bus bars from outside the duct, at those points, the receptacles being sectional so that they can be disassembled and removed from their points of location in the duct, and remounted at other of the aforementioned points in the duct, without severance or mutilation of the bus bars, which are continuous, from end to end, even as they pass receptacles.

2,043,797
FOOD COOKING AND SERVICE TABLE
Elizabeth M. Horn, Yeadon, Pa.
Application February 13, 1935, Serial No. 6,285
7 Claims. (Cl. 219—19)



1. A service table of the character described having a heating compartment with inner walls thereof heat insulated from outer walls thereof, a top panel having openings with food receptacles therein, a plurality of electrical heating means within said heating compartment, a rod secured to the inner bottom wall and extending to and supporting said top panel and means securing said electrical heating means to said rod comprising a baffle plate extending over and secured to the heating means.

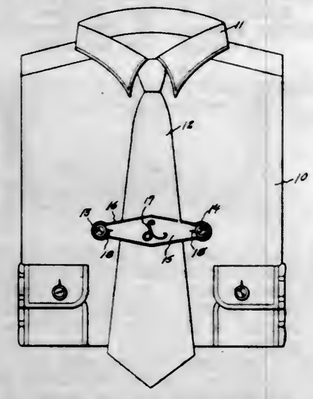
2,043,798
VALVE FOR BUS HEATERS
Louis C. Hyatt, Albany, N. Y., assignor to Consolidated Car-Heating Company, Inc., Albany, N. Y., a corporation of New York
Application February 6, 1936, Serial No. 426,305
4 Claims. (Cl. 137—153)



2. A valve for controlling flow of condensate in a continuous, sealed heating unit, comprising a return connection consisting of a casing having an inlet branch in the side thereof and an outlet branch in the bottom thereof, said outlet branch having a valve seat at its point of communication with said casing, an expansible and contractible pressure-responsive chamber located within said casing and having a lower open end in sealed communication with said inlet and outlet branches so as to be subject to the pressure therein, said casing having a top wall movable toward and from said valve seat, a tapered valve complemental to said seat and having a straight stem secured to the underside of said movable wall, means providing a socket in the upper side of said

movable wall, and a manually adjustable screw supported by the top wall of the casing exteriorly of said chamber and having an end located within said socket, said screw and said socket being so relatively constructed and arranged as to have limited relative movement parallel with the axis of the screw.

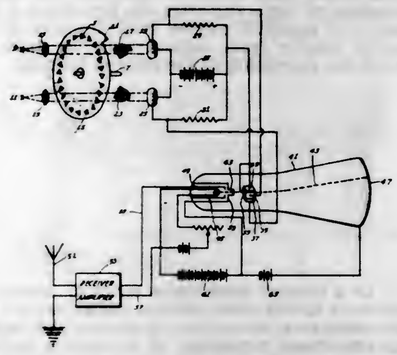
2,043,799
TIE-HOLDING ATTACHMENT FOR SHIRTS
Lawrence Jokels and Vincent J. Procita, Brooklyn, N. Y.
Application June 27, 1935, Serial No. 28,628
1 Claim. (Cl. 2—115)



In a shirt, a necktie holder adapted to be unit handled therewith comprising a flat band made of the same material as that used in the shirt and provided at each end with a rounded portion, the entire peripheral edge of said band being reinforced and stiffened by a hem or stitching, a button hole in each rounded portion arranged in alignment with the longitudinal center line of the band, and a pair of buttons attached in horizontal alignment to the shirt front one on each side of the overlapping shirt flaps for co-action with the button holes of said flat band, the rounded portions at each end of the band being of a size as to extend radially beyond the peripheral edge of the buttons a distance equal to the hem or stitching thereon whereby to obviate curling thereof, and said flat band being so formed as to provide at its center a monogram receiving portion.

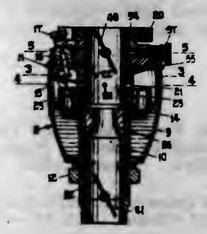
2,043,800
TELEVISION APPARATUS
August Karolus, Leipzig, Germany, assignor to Radio Corporation of America, a corporation of Delaware
Application June 22, 1931, Serial No. 545,965
In Germany July 15, 1930
2 Claims. (Cl. 178—69.5)

1. In a light chopping device for influencing photoelectric cells by light originating at an external source, a plurality of photoelectric elements, a disk element having a spiral-shaped periphery and a plurality of triangular apertures arranged concentric with respect to the center of rotation thereof, means for projecting a light beam through the triangular apertures of said disk and along the periphery of said disk, a diaphragm positioned in the path of each of said paths of projected light rays, and means provided by rotational movement of the disk for varying the quantity of light passing through said diaphragm and beyond said disk in accordance with variations in the effective area of said triangular



apertures through which said light passes and in accordance with the screening effect provided by the spiral periphery of the disk.

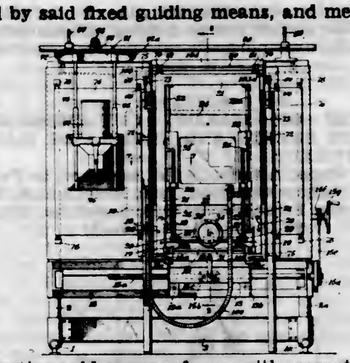
2,043,801
CARBURETOR
Daniel Pottie King, Goodwood, Australia
Application July 19, 1935, Serial No. 32,293
In Australia July 25, 1934
11 Claims. (Cl. 261—41)



1. An improved carburetor comprising; a chamber having a fuel inlet and means to control the level of the fuel therein, an air intake duct associated with the chamber, small airjet perforations through the duct communicating with the chamber above the fuel level therein, channels leading from the fuel space and opening into the perforations through the walls thereof, perforations through the duct into the chamber further from the fuel level than the aforesaid airjet perforations, and means to regulate pressures within the duct to cause an airflow through the perforations.

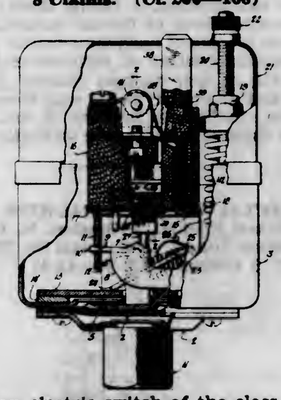
2,043,802
PHOTO COMPOSING MACHINE
Alexander T. Koppe, Passaic, N. J., assignor to General Printing Ink Corporation, New York, N. Y., a corporation of Delaware
Application March 7, 1933, Serial No. 659,911
16 Claims. (Cl. 95—76)

1. In a photo-composing machine, a base board immovably fixed in vertical position and adapted to have a light-sensitive element secured thereto, horizontal guiding means mounted in fixed position entirely at one side of the horizontal center line of said base board, a vacuum frame carried by said fixed guiding means, and means for



adjusting said vacuum frame with respect to said light-sensitive element.

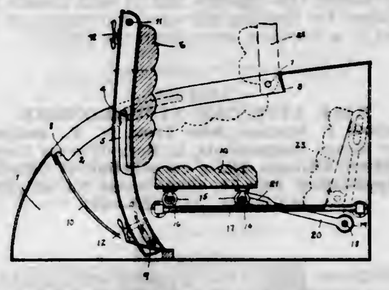
2,043,803
PRESSURE SWITCH
Earl F. Mekelburg, Wauwatosa, Wis., assignor to Square D Company, Detroit, Mich.
Application April 9, 1934, Serial No. 719,873
8 Claims. (Cl. 200—168)



1. In an electric switch of the class described, an insulating body portion, stationary contacts and terminal members straddling a portion of said insulating body portion and having contact ends spaced from said body portion and located on one side of said body portion and having terminal clips located on the other side of said body portion, terminal screws for clamping conductors to the terminal members, said screws slidably passing through said body portion and threaded into said stationary contacts and engaging both said stationary contacts and terminal clips, said screws slidably passing through said terminal clips, a movable contact located between said body portion and said contact ends, a spring urging said movable contact towards engagement with said contact ends.

2,043,804
VEHICLE BODY CONSTRUCTION
Floyd E. Montgomery, Duluth, Minn., assignor of one-third to Peter A. Hennicke and one-third to Walter P. Sonesen, both of Duluth, Minn.
Application March 25, 1935, Serial No. 12,804
2 Claims. (Cl. 296—66)

1. The combination with a vehicle body having a flanged opening therein for accommodation of a rumble seat, a combined rumble seat back and closure for said opening, said seat back and closure being pivotally and slidably mounted intermediate of its ends upon opposite side flanges

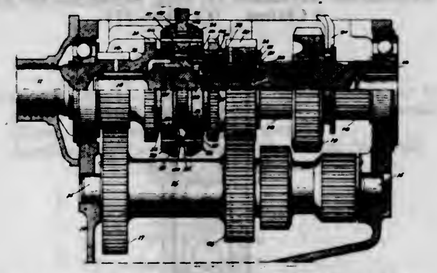


of said opening, and withdrawable pintles at the uppermost opposite corners of said back and closure for cooperation with registrable holes in the side flanges of the opening for pivotal support of said seat back and closure when desired.

2,043,805
LIGHT-FILTERING OVERCOATING CONTAINING DIPHENYLENE OXIDE
Thomas F. Murray, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application January 16, 1932, Serial No. 587,163
10 Claims. (Cl. 91—68)

1. An article of manufacture having a closely adhering lacquer coating decomposable by sunlight, and a light filtering over-coating comprising an organic derivative of cellulose and diphenylene oxide.

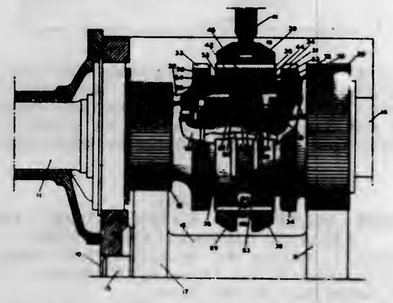
2,043,806
SYNCHRONIZING DEVICE FOR AUTOMOTIVE VEHICLES
Howard J. Murray, New York, N. Y., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application January 12, 1933, Serial No. 651,315
36 Claims. (Cl. 192—53)



15. In a device of the class described, the combination of an element of a friction clutch mounted for rotary movement, a mounting member, mounted for rotary movement, a coacting element of the friction clutch disposed between the mounting member and the first named friction clutch element and provided with a recess facing the mounting member, means carried by the mounting member and capable of movement relative thereto and having at one end a camming surface located in said recess and coacting to

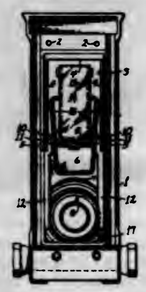
form camming means for shifting the coacting element into engagement with its companion incidental to any rotary movement between the coacting element and said mounting member, a stop facing the opposite end of said means and disposed for limiting the axial movement of the same in a direction away from the clutch.

2,043,807
BALL TYPE CAM SYNCHRONIZER
Howard J. Murray, New York, N. Y., assignor, by mesne assignments, to Borg-Warner Corporation, Chicago, Ill., a corporation of Illinois
Application July 21, 1933, Serial No. 681,420
19 Claims. (Cl. 192—53)



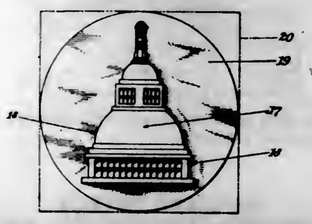
8. In a device of the class described, the combination of a fixed and movable element of a conical friction clutch, shiftable means for moving the movable element axially into engagement with the fixed element, a spherical camming device capable of rotating freely about its contained center and reacting between the movable element and said shiftable means for causing an intense clutching of the elements in an axial direction when the movable element moves relative to said shiftable means.

2,043,808
GAS FURNACE
William W. Norton, Berkeley, and Max Schwarts, San Francisco, Calif.
Application November 13, 1933, Serial No. 697,820
3 Claims. (Cl. 110—173)



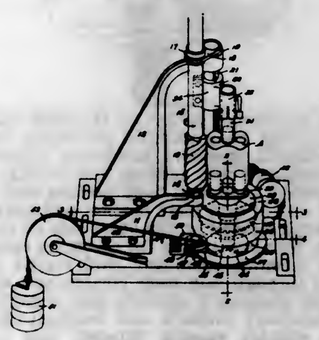
3. In combination, a pair of spaced and alined angles, each having a horizontal leg and a vertical leg, and a door engageable with the outer and the bottom faces of the angles having hinge pins journaled in the corner of the angles whereby the door may be swung in either vertical or horizontal position and locked in one of said positions by advancing the pins on registering legs of the angles, the door being unbalanced for urging the door normally into vertical position.

2,043,809
METHOD OF MAKING CUT-EMBOSSING STOCK SHEETS AND ARTICLE OF MANUFACTURE
George Papp, Astoria, N. Y., assignor to Peters Bros. Rubber Company, Inc., Brooklyn, N. Y.
Application February 24, 1932, Serial No. 594,824
20 Claims. (Cl. 154—2)



1. As an article of manufacture, a laminated embossing sheet for the purpose set forth, comprising in combination, a facing sheet; a reenforcing backing sheet of fibrous material; a second backing coating of hard semi-brittle material, a third backing coating of unvulcanized rubber, and a fourth or rear backing coating of a hard flexible material similar to the said second backing coating, the whole forming a thin flexible embossing sheet of high tensile strength.

2,043,810
METALWORKING MACHINE
Russell Prickett, Princeton, N. J.
Application June 2, 1934, Serial No. 728,638
6 Claims. (Cl. 90—13.4)

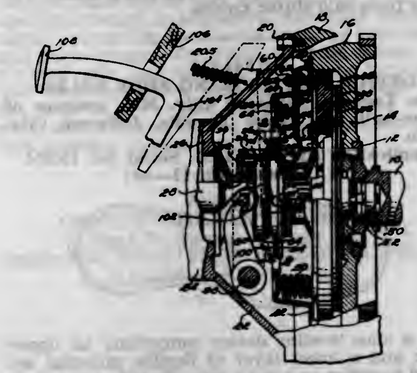


1. A machine of the character set forth including a cutter mounted for rotation on a fixed axis, means adapted to support the work for rotation thereof on an axis parallel to the cutter, a pattern cam secured to said means to rotate therewith, an abutment roller mounted to rotate on a fixed axis coinciding with the axis of the cutter and against which roller the periphery of the cam is urged, and fulcrumed means having its axis parallel to the axes of rotation of the blank and its supporting means and by virtue of which said blank and its support are swingingly guided for bodily movements in accordance with the periphery of the pattern cam.

2,043,811
ART OF WELDING AND FUSING METAL
Robert M. Rooke, Jersey City, N. J., and Frederick C. Saacke, New York, N. Y., assignors to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application November 12, 1934, Serial No. 752,700
9 Claims. (Cl. 113—112)

1. The process of welding alloy steels which are unsuited for welding with the oxyacetylene flame, which comprises fusing such material and making the weld by direct application of heat liberated by the reactions of acetylene and oxygen in a welding gas mixture containing these gases and also a relatively large amount of nitrogen, the ratio of oxygen to nitrogen in the mixture being less than 3 to 1, the nitrogen concentration not exceeding, however, 70% of the sum of the oxygen and nitrogen contents.

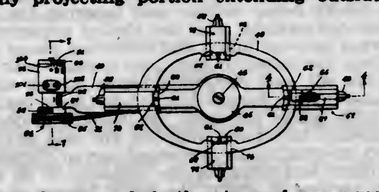
2,043,812
CLUTCH CONSTRUCTION
Robert C. Russell, Detroit, Mich.
Original application August 21, 1933, Serial No. 686,019. Divided and this application February 28, 1934, Serial No. 713,337
19 Claims. (Cl. 192—36)



8. In a clutch structure, in combination, a driving element, a driven element, means for connecting said elements together in driving engagement, and means for variably controlling the establishment of driving engagement between said elements, comprising a member constantly driven by said driving element, a second member movable for variably controlling said driving engagement in proportion to its movement, said members having cooperating cam means formed on axially opposed surfaces thereof so constructed and arranged with respect to each other as to permit substantially not less than 360° of rotation of one member with respect to the other thereof in moving from one limit of position of movement to the other limit thereof, and means for controlling the relatively rotatable positions of said members.

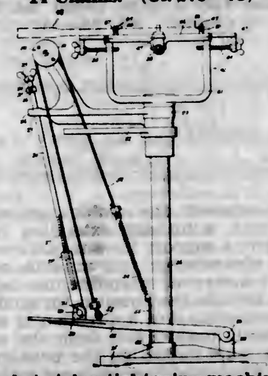
2,043,813
RACKET STRING TIGHTENING MACHINE
Joseph Saladino, Reading, Mass.
Application September 4, 1934, Serial No. 742,598
10 Claims. (Cl. 272—73)

1. A holder for a racket string tightening machine comprising a frame embodying a top, said top having slotted passages therein, clamp members to hold a racket slidably mounted in said passages, said clamp members embodying a downwardly projecting portion extending outside of



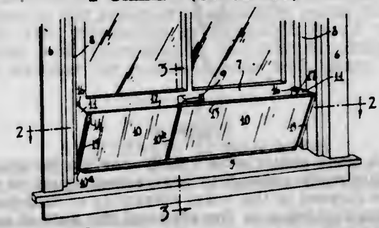
said top having a hole therein, and screw means passing through said hole and screwing into said frame below said top.

2,043,814
RACKET STRING TIGHTENING MACHINE
Joseph Saladino, Reading, Mass.
Application February 14, 1935, Serial No. 6,501
14 Claims. (Cl. 273—73)



1. A racket string tightening machine comprising in combination, supporting means for a racket, instrumentalities adapted to receive and upon actuation to tighten a string in a racket embodying a tensioning device, movable means to actuate said instrumentalities, and mechanism in front of said tensioning device connected to said movable means adapted to limit said actuating movement.

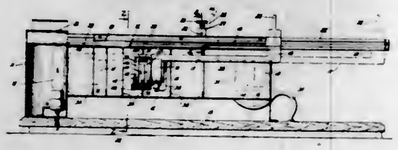
2,043,815
DRAFT DEFLECTOR
Harry L. Smith, Minneapolis, Minn., assignor to Smith System Heating Company, Minneapolis, Minn., a corporation of Minnesota
Application January 9, 1935, Serial No. 982
1 Claim. (Cl. 98—99)



A window draft deflector comprising a pair of deflecting plates and a pair of end plates, said deflecting plates having upper and lower edge flanges slidable one within the other, and the

outer ends of said deflecting plates and the inner edges of said end plates having flanges slidable the one within the other, the inner edges of said end plates being oblique and tapering the end plates downwardly, and the sliding engagement between said end plates and deflecting plates permitting the latter to slide into contact with the window sill, said deflecting plates having upper and lower edge flanges made in the same manner on both plates but with like flanges projecting in opposite directions, adapting the said sections, when inverted, to be telescoped one in respect to the other and adapting the deflector to fit windows varying in width, the lower flanges of said plates being projected toward the interior of the room and away from the window.

2,043,816
COLORIMETER
Bertrand W. Story, Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application July 7, 1934, Serial No. 734,092
2 Claims. (Cl. 88—14)



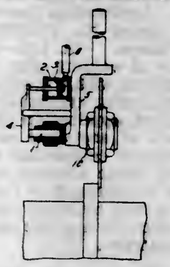
1. In a colorimeter, the combination of a point source of light, a housing extending from the source of light, a support for a translucent specimen and a photoelectric cell, an arm, on which said support is carried, extending into said housing, means, outside the housing, for guiding said arm and for moving it in a direction to carry the support directly toward and from the source of light, and a scale indicating the position of the support and graduated in accordance with a function of the distance between the source of light and the photoelectric cell.

2,043,817
FISHING BOBBER
Charles C. Stuck, Beloit, Wis., assignor of one-half to R. C. Schneider, Beloit, Wis.
Application May 25, 1934, Serial No. 727,404
4 Claims. (Cl. 43—49)



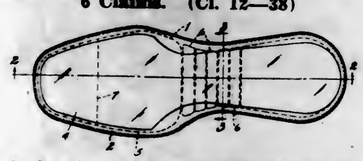
1. A float comprising a body portion having a longitudinally extending kerf terminating in an orifice formed in the lower extremity of said body portion and lying in the plane of the axis of said body portion, a recess in the opposite extremity of said body in which the opposite end of the kerf terminates and a line retaining member disposed in said recess.

2,043,818
PAPER MACHINE SLITTER KNIFE
Albert John Thibedeau, Ottawa, Ontario, Canada
Application July 5, 1934, Serial No. 733,777
3 Claims. (Cl. 164—60)
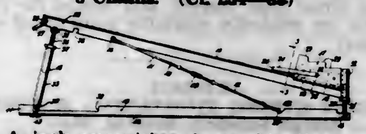


3. In a paper machine, a slitter mechanism, comprising a plurality of slitter knives operating under predetermined fixed pressure, means actuated by auxiliary power from a source of supply for moving predetermined slitter knives from the operative to the threading position and for returning the slitter knives to operative position under the same predetermined fixed pressure, and means for controlling said power operating means remote from said slitter knives.

2,043,819
DEVICE FOR LEVELING SHOE SOLES
John Tweedie, Jefferson City, Mo., assignor of one-half to Charles Tweedie, Jefferson City, Mo.
Application April 10, 1935, Serial No. 15,524
6 Claims. (Cl. 12—38)



1. A shoe leveling device comprising an upper layer and a lower layer of flexible material secured together to form a sole shaped casing, and a sole shaped layer of separate stiffy resilient metal plates secured in said casing, said metal layer comprising one stiffy resilient plate of the general shape of the forepart of the sole, a second stiffy resilient plate of the general shape of the heel portion and a plurality of separate resilient plates spaced apart throughout the shank portion.

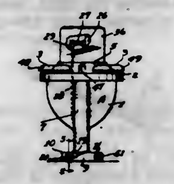
2,043,828
AUTOMOBILE JACK
Frank F. Weller, Jennings, La., assignor of fifty per cent to James O. Mediselle, Jennings, La.
Application August 27, 1934, Serial No. 741,879
8 Claims. (Cl. 254—93)



1. A jack comprising, in combination: a base member; a beam member pivoted at one end to an end of the base member; a strut coacting between the remaining ends of said members to support the beam member in position upwardly

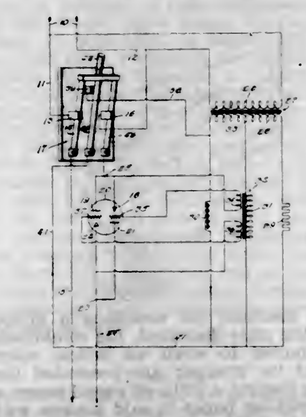
inclined from said pivoted end; a block slidable on said beam member; and means whereby said strut may be released from supporting position and folded against one of said members and said beam to a position substantially parallel with said base for collapse of the jack.

2,043,821
WATER CLOSET
David S. Williams, Portland, Oreg.
Application August 29, 1935, Serial No. 38,413
8 Claims. (Cl. 4—249)



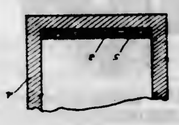
1. In apparatus of the class described, a toilet bowl of conventional contour having a base and a front portion, a pair of ledges extending one on each side of the base and made integral therewith, at least one of said ledges having a pair of openings formed in alignment with each other, a support extending rearwardly from the toilet bowl and made integral therewith, flushing means associated with said support, and means joined to said flushing means and passing through the openings in one of said ledges adapted for tripping said flushing means by the application of foot pressure upon said means.

2,043,822
CIRCUIT BREAKER APPARATUS
Hugh E. Young, Chicago, Ill.
Application March 24, 1934, Serial No. 717,283
12 Claims. (Cl. 175—294)



1. A circuit breaker system of the character described, including; two controlled arc rectifying means through which alternating current passes to the load; a switch carrying the load current; auxiliary contacts on said switch adapted to open before the opening of said switch, and to close after the closing of said switch; and a control circuit including said contacts whereby said rectifying means permit unimpeded flow of current while said auxiliary contacts are closed, but whereby said rectifying means interposes a high impedance to said current when said auxiliary contacts are open.

2,043,823
ANODE
John L. Young, Pittsburgh, Pa., assignor to National Radiator Corporation, a corporation of Maryland
Application November 1, 1934, Serial No. 750,929
2 Claims. (Cl. 204—4)



1. A soluble anode for metallic electro-deposition consisting of finely divided metal resting upon the surface of a supporting body of another metal in liquid state.

2,043,824
MANUFACTURE OF SYNTHETIC RESINS
Henry G. Berger, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application January 26, 1935, Serial No. 3,642
3 Claims. (Cl. 260—2)

1. The method of making synthetic resin from the sludge resulting from the refining of hydrocarbon oil with an active metal halide, which comprises the steps of separating such sludge from the oil reacting the sludge with material selected from the class consisting of free chlorine, carbon tetrachloride, chlorinated petroleum naphtha, chlorinated propane and penta-chlor butane, until the hydrocarbon constituents of the sludge have been converted to a hard, heat-plastic resin, and freeing such resin from water-soluble materials.

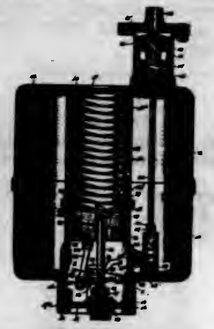
2,043,825
MANUFACTURE OF SYNTHETIC RESINS
Henry G. Berger, Woodbury, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application January 26, 1935, Serial No. 3,649
4 Claims. (Cl. 260—2)

4. The method of manufacturing a hard, heat-plastic resin, which comprises the steps of reacting petrolatum with a chlorinated volatile hydrocarbon in the presence of an active metal halide until the petrolatum is substantially all condensed, and decomposing the reaction complex and washing the resultant resin with water.

2,043,826
AUTOMATIC LUBRICATOR
Joseph Bijur, New York, N. Y., assignor to Auto Research Corporation, a corporation of Delaware
Application March 16, 1928, Serial No. 262,123
45 Claims. (Cl. 184—7)

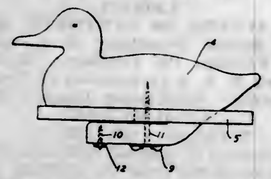
1. A pump, a discharging agency therefor, an outlet valve, means to energize the pump discharge agency and linkage automatically oper-

ated from the pump, when it contains a definite



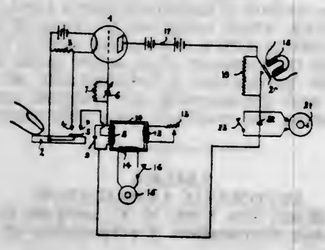
charge to open the valve, in order to release the pump discharge agency.

2,043,827
DECOY
John Edward Breuer, Great Neck, N. Y., assignor to J. Edward Breuer, Inc., Nassau County, N. Y., a corporation of New York
Application February 25, 1935, Serial No. 7,972
4 Claims. (Cl. 43—3)



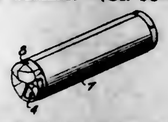
4. A decoy, comprising an upright member and a float member, each of said members having a recess adapted to engage a portion of the other of said members, whereby said members may be interlocked in assembled position, one of said members having a slot forming a continuation of the recess therein and a flat spring seated in said slot and extending into said recess, said spring being adapted to engage the other of said members for frictionally and detachably holding the same in assembled position.

2,043,828
ELECTRIC ORGAN
Edouard Eloi Coupleux, Tourcoing, France
Application October 26, 1935, Serial No. 46,951
In France October 27, 1934
11 Claims. (Cl. 84—1)



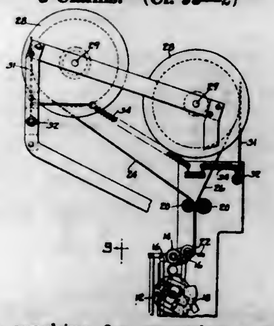
1. A radiophonic organ comprising a valve with an oscillating circuit for each note, with a condenser, a self-induction coil, a small sized transformer with a primary, constituted by the self-induction coil of the oscillating circuit, a secondary, mounted on the transformer and connected to the sound-reproducer, a third winding on the transformer, a variable resistance, branched on this winding in closed circuit.

2,043,829
PACKAGE AND METHOD OF PRODUCING THE SAME
Donald R. Grant, Canajoharie, and Edward J. Hambrecht, Palatine Bridge, N. Y., assignors to Beech-Nut Packing Company, Canajoharie, N. Y., a corporation of New York
Application December 16, 1931, Serial No. 581,316
13 Claims. (Cl. 93—2)



1. The method of wrapping an article which comprises applying a wrapper of waxed paper and a wrapper of unwaxed paper about the article with the unwaxed paper on the inside and with its inner end projecting beyond the inner end of the waxed paper wrapper, positioning the wrappers in said predetermined relation previously to applying them to the article, applying a wrapper of foil over the paper wrapper, and applying heat to the foil to cause the wax of the waxed paper wrapper to secure the wrappers about the article.

2,043,830
MACHINE FOR WRAPPING ARTICLES
Donald R. Grant, Canajoharie, and Edward J. Hambrecht, Palatine Bridge, N. Y., assignors to Beech-Nut Packing Company, Canajoharie, N. Y., a corporation of New York
Original application December 16, 1931, Serial No. 581,316. Divided and this application June 14, 1934, Serial No. 730,606
3 Claims. (Cl. 92—2)



1. In a machine for wrapping a cylindrical article of the class described, the combination of devices adapted to wrap an article when the article and its wrapper are presented thereto, devices for feeding a strip of waxed paper and a strip of unwaxed paper to said devices with the unwaxed paper fed at a slightly greater rate of speed than the waxed paper strip, and means for cutting off lengths of the end portions of the two strips simultaneously and presenting them with the article to said wrapping means, the two lengths being wrapped simultaneously about the article with the unwaxed paper on the inside and with its inner end projecting a distance beyond the end of the waxed paper.

2,043,831
DENTAL IMPRESSION PARTING TOOL
Louis Kalvin, New York, N. Y.
Application August 10, 1934, Serial No. 739,225
6 Claims. (Cl. 32—40)



5. A parting tool for dental impressions, comprising a ball member, a wire member projecting therefrom, and a handle member having a draw-in collet for adjustably holding said ball member in variable angular relations with respect to the handle axis.

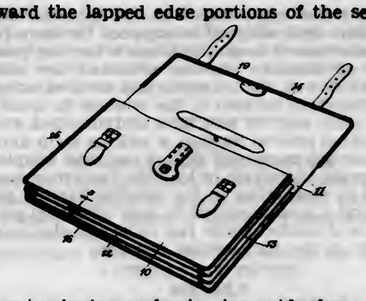
2,043,832
HYPODERMIC SYRINGE
Michael W. Kratz, Philadelphia, Pa.
Application June 28, 1934, Serial No. 732,858
4 Claims. (Cl. 128—215)



1. In a hypodermic syringe of the character stated, a finger piece, a sleeve carried thereby and adapted to support an ampoule containing the liquid to be injected, a yoke slidable longitudinally of said finger piece, means for limiting the movement of said yoke, a piston rod slidable through said yoke, means on the bottom end of said piston rod for engaging a stopper in the upper end of an ampoule carried by said sleeve, a separate cap adapted to engage the bottom end of said ampoule, a hollow needle carried by said cap and having its lower end protruding through the bottom of said cap and its upper end extending upwardly within said cap, whereby the upper end of said needle is adapted to penetrate a stopper in the lower end of said ampoule to permit ejection of the liquid contained in said ampoule through said needle when pressure is applied by means of the piston rod on the stopper in the upper end of said ampoule, the bottom end of said ampoule being restricted to prevent exit of said lower stopper.

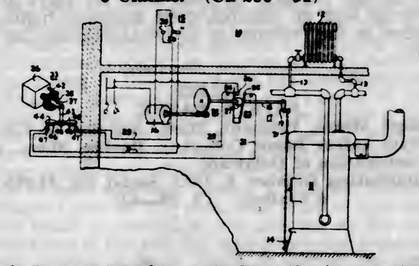
2,044,833
PROTECTING FRAMING FOR BRIEF CASES
Abraham I. Klotz, New York, N. Y.
Application November 12, 1934, Serial No. 752,755
3 Claims. (Cl. 150—1.6)

1. A case constructed of sections of sheet material having lapped end and bottom edge portions secured continuously therealong at the front and rear of the case, and a metal protecting frame of cross-sectionally channel construction applied exteriorly to said edge portions at the front and rear of the case, the opposite longitudinal edges of the frame being offset and bent toward the lapped edge portions of the sections,



thus impinging and crimping said edge portions of said sections.

2,043,834
AIR CONDITIONING APPARATUS
Ralph E. Marbury, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 14, 1934, Serial No. 730,576
6 Claims. (Cl. 236—91)



1. In a system for controlling the temperature of air in an enclosure, the combination of a heater for heating said air, a mechanism associated with said heater for varying the heating effect thereof, a thermostat responsive to the temperature of the air in the enclosure for controlling the operation of said mechanism, electrical connections between said thermostat and said mechanism, switching means in the electrical connections, and means responsive to a predetermined rate of change in the temperature of air exterior of the enclosure for actuating the switching means, whereby the controlling effect of said thermostat is modified.

2,043,835
WINDOW GRATING
Bernard A. McGuinness, Belmont, Mass.
Application February 20, 1935, Serial No. 7,388
9 Claims. (Cl. 20—71)



1. In combination with a window, a grating therefor formed of grating bars, guide strips se-

cured to the window frame at the opposite ends of the bars and adapted to support the bars for sliding movement from the window barring position to an inactive position adjacent the sides of the window, a slotted guide rail secured across an intermediate portion of the window to form a central slide-way for said bars and provided with an unslotted central portion, a locking strip movably mounted upon said slotted rail and adapted to cooperate therewith to lock the bars in spaced relation to each other in the window barring position, and a lock mounted in said unslotted portion of said slotted guide rail to secure the locking strip in the bar locking position.

2,043,836
MINERAL OIL COMPOSITION
Robert C. Moran, Wenonah, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
No Drawing. Application November 29, 1933, Serial No. 700,372
3 Claims. (Cl. 87—9)

1. An oil composition comprising a wax-containing oil, and a relatively small quantity of the oily material constituting the principal product of the reaction of oleic acid, an alkyl dichloride and an unsubstituted aromatic hydrocarbon in the presence of active aluminum chloride.

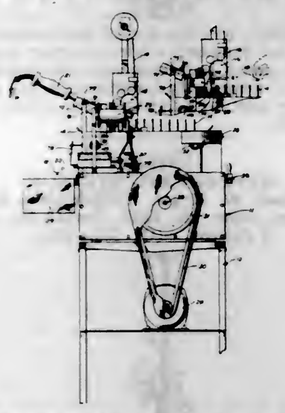
2,043,837
SAFETY RAZOR
Joseph Mures, Belmont, Mass., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application October 1, 1935, Serial No. 43,065
6 Claims. (Cl. 30—61)



1. A safety razor having, in combination, a handle having outwardly extending brackets, a cross arm secured to each bracket, cap sections pivotally mounted at the outer ends of the cross arms, and a guard movably mounted in the razor and connected with the cap sections so as to swing them toward or from each other in its movement.

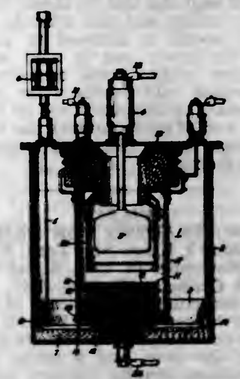
2,043,838
FUSE-MAKING MACHINE
Herbert Perry Renwick, Chicago, Ill., assignor to Howard F. Leopold, Chicago, Ill.
Application September 17, 1934, Serial No. 744,341
5 Claims. (Cl. 113—1)

1. A machine for making units for cartridge fuses, each of said units consisting of a strip of fuse metal having a cartridge fuse cap attached thereto, said machine comprising the combination of: an endless carrier; means for moving the said carrier in an intermittent step by step movement; a row of receptacle tubes mounted on said carrier and each having an open end; each of said receptacle tubes being adapted to have arranged thereon a cartridge fuse cap having an opening or hole formed therein; means for supporting a web of fuse metal; means automatically feeding the free end portion of said fuse metal web successively through the said openings or holes in said caps into said receptacle tubes; means automatically severing a strip from the free end portion of said fuse metal web after



each insertion thereof so that a portion of said severed fuse strip projects outwardly of the corresponding cartridge fuse cap through the opening or hole in the latter; means for supporting a web of fusible solder metal; means automatically feeding the free end portion of said solder metal web successively across each of said projecting fuse strip portions; a soldering iron; and means automatically moving the said soldering iron into engagement with the said free end portion of said solder metal web so as to solder the said projecting portions of said fuse strips to said caps.

2,043,839
VAPOR ELECTRIC DEVICE
Camil A. Sabbah and Frederick H. Andersen, Schenectady, N. Y., assignors to General Electric Company, a corporation of New York
Application October 15, 1932, Serial No. 637,976
11 Claims. (Cl. 250—27.5)



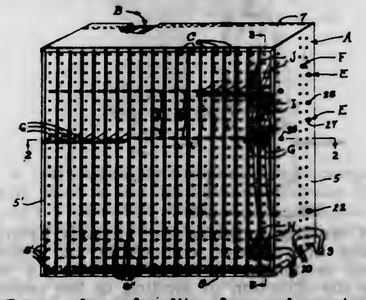
1. In combination, a vapor electric apparatus comprising an anode, a liquid cathode, a solid heated cathode, means to initiate an arc between said liquid cathode and said anode, and means to transfer the arc to said solid heated cathode.

2,043,840
OPHTHALMIC LENS
Nathaniel Singer, New York, N. Y., assignor to Optical Research Corporation, New York, N. Y., a corporation of New York
Application June 23, 1934, Serial No. 732,123
2 Claims. (Cl. 88—54)



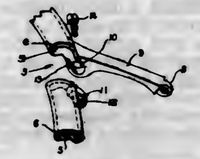
1. An ophthalmic lens made from a plurality of pieces of optical glass fused together comprising a main central portion composed of glass which is transparent and is of one light absorptive quality and a surrounding border portion composed of glass which is transparent and which has inherently in the glass thereof higher light absorptive qualities than the glass of said central portion, said central portion of the glass forming the main visual area of the lens through which vision normally occurs and the said surrounding border portion of glass of higher light absorptive qualities forming a protecting border through which vision may occur and which obviates glare from rays of light of the indirect field of vision but still permits the passage of such rays of light therethrough, said border portion being joined to said central portion along a gradually inclined wall of such an inclination that the two areas of the lens gradually merge with each other, said surrounding border portion extending substantially through the full thickness of the lens at the edge thereof so as to completely protect the central visual area, the innermost edge of said surrounding border portion terminating at such a point that the visual area within said border portion will cover a visual angle of approximately 30 degrees in any direction from the center of direct vision so that the eye may obtain direct vision therethrough in all its normal excursions, the front and rear surfaces of said main central portion of glass being continuations of the corresponding surfaces of said border portion of glass.

2,043,841
RACK
Ealy T. Stevens, Nashville, Tenn.
Application June 4, 1934, Serial No. 728,987
5 Claims. (Cl. 211—60)



1. In a rack, a plurality of spaced apart members having rows of axially aligning openings therein, a rear vertical panel arranged in oblique relation to the front of the rack whereby a series of compartments of gradually varying depth is provided, rods extending through predetermined series of axially aligning openings, and trays carried by the rods for supporting articles of gradually varying sizes.

2,043,842
OPHTHALMIC MOUNTING
Harry H. Styll and Louis L. Gagnon, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application February 20, 1933, Serial No. 657,580
5 Claims. (Cl. 88—53)



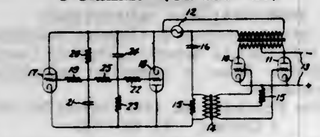
5. In a device of the character described, a lens rim having separated ends adjacent its upper temporal side, one of said ends having a projecting lug member secured to the rear of the rim and the other of said ends having a relatively long arm member secured to the rim with its point of attachment in the rear of the rim and extending outwardly, downwardly, and rearwardly of the plane of the rim so that the effective length of the arm will be concealed from view when the mounting is viewed from the front, and having a temple hinge connection adjacent its opposite free end, one of said members having a recessed portion adjacent one of the separated ends of the rim into which a portion of the member on the opposite end of the rim fits, and means for securing said portion in said recess to secure the separated ends of the rim together, the rim end of the relatively long arm being higher than the temple end thereof in a direction normal to the plane of the rim, and said recessed portion and portion of the member on the opposite end of the rim fitting in said recessed portion also lying in the rear of the rim and being concealed from view by said rim when the mounting is viewed from the front.

2,043,843
OPHTHALMIC MOUNTING
Harry H. Styll and Louis L. Gagnon, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application February 27, 1933, Serial No. 658,825
5 Claims. (Cl. 88—53)



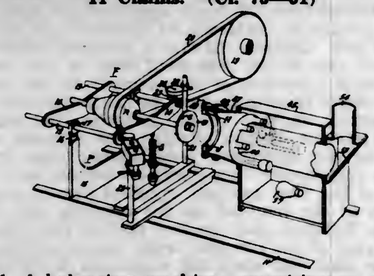
1. In spectacles, a nonmetallic lens rim whose upper temporal side has a portion as wide as its width at its horizontal center line, a seat on said upper temporal side on the eye side of the rim, a relatively long and slender arm having a foot at one end shaped and secured to said seat, said arm extending outwardly and rearwardly of said foot and inclined downwardly to the rear of said foot, and terminating in a temple hinge connection, and the body of said arm lying substantially in the longitudinal line of the temple extended.

2,043,844
ELECTRIC CONTROL CIRCUITS
Benjamin R. Teare, Jr., Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application March 30, 1931, Serial No. 526,326
Renewed December 3, 1935
8 Claims. (Cl. 250—27)



1. In combination, a discontinuous control electric valve comprising an anode, a cathode, and a control grid, a grid circuit therefor including a source of alternating current and a second electric valve having a control grid, and means connected across said second valve and to said control grid for rendering said second valve conductive only near the peaks of the wave of alternating potential.

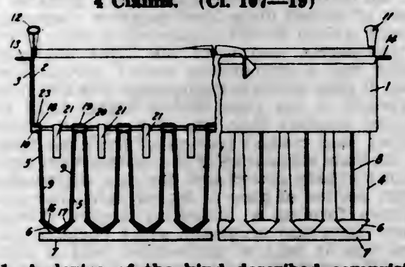
2,043,845
DYNAMIC BALANCING MACHINE
Ernest L. Thearle, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Original application September 23, 1932, Serial No. 634,548. Divided and this application August 19, 1933, Serial No. 685,956
11 Claims. (Cl. 73—51)



1. A balancing machine comprising an elastically supported cradle in which the body to be balanced is located, means for rotating the body at balancing speed, a pointer rotating in synchronism with the body, an indicator actuated by the cradle for indicating the amplitude of its vibrations due to lack of balance of the body, electrical contacts actuated by the cradle as it vibrates, a support movable toward and away from the body and pointer, a lamp carried by the movable support, the circuit of which is periodically made by the contacts at the maximum deviation of the cradle in one direction, and a pair of pointers mounted on the support and manually and independently adjustable, one of said pair of pointers at the instant the light flashes serving to determine the angular position where the weight is to be applied to the body when the other is in register with the apparent image of the first-named pointer.

4. A balancing machine comprising an elastically supported cradle in which the body to be balanced is located said cradle vibrating due to unbalance in the body means for rotating the body at balancing speed, a base for supporting the cradle, contacts actuated by the cradle at the maximum deviation thereof in one direction for making and breaking an electrical circuit, a member secured to the base, a support for the contacts mounted on and guided by the member, said support having a threaded opening, an adjusting screw extending parallel to the member and having a perforated means seated at one end thereof, a means carried by the member for supporting the upper end of the screw and holding it against axial movement, a ring through which the screw freely extends, said ring having pins adapted to successively enter the perforations, and a means for turning the ring and screw to adjust the position of the contacts with respect to the cradle.

2,043,846
MEANS FOR MOLDING CONFECTION
Robert Wise, Winthrop, Mass.
Application July 27, 1934, Serial No. 737,263
4 Claims. (Cl. 107—19)



1. A device of the kind described comprising a mold for frozen confection adapted to receive the confection in liquid form and retain the same, said mold being tapered from a larger section to a smaller section gradually from the top to the bottom, a frame adapted to fit within said mold having a band fitting around the inside of the mold in a direction downward, and a second band extending part-way down each side of the mold on the inside and positioned in a plane substantially at right angles to the first band.

2,043,847
LANDING INDICATOR FOR AIRPORTS
Arthur M. Wilhelm, Randolph, N. Y.
Application November 11, 1929, Serial No. 406,409
14 Claims. (Cl. 73—55)



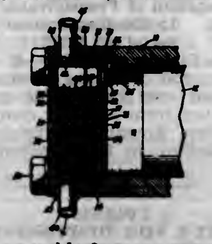
1. A landing indicator for airports having a plurality of runways, comprising an indicator member responsive to wind currents for indicating the direction of landing in the presence of such wind currents, a vertically disposed shaft supporting the indicator member for such indicating movement, a locator having an active portion and a rest portion by which a preferred runway can be predetermined for calm weather landing as determined by the position of the rest portion, means operable by the shaft and cooperating with said locator for returning the indicator member to a predetermined position, said means being rendered inoperative by axial movement of the shaft, and an adjustable counterbalance device having a thrust bearing supporting the shaft, said indicator member having a surface for the application of an upward pressure from the wind for shifting said shaft axially to render said means inoperative during the prevalence of the wind.

2,043,848
SAVINGS DEVICE
Herman Albert Binder, San Francisco, Calif.
Application June 17, 1933, Serial No. 676,258
3 Claims. (Cl. 232—4)



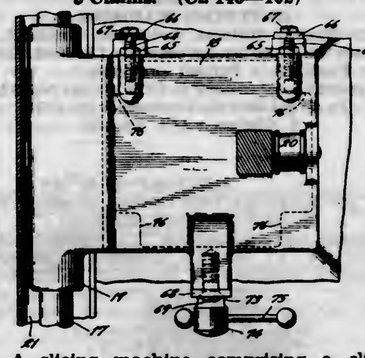
1. A savings device comprising a panel, a hinge on the back of said panel, a substantially rigid coin box having a flat top with a coin slot therein and a flat bottom having a coin removing aperture therein, said box being pivoted at its top to said panel by said hinge, an openable closure for said aperture, and a strap connecting said box and said panel at a point away from said hinge and allowing said box to be pivoted away from said panel on said hinge to define a selected angle with said panel.

2,043,849
VALVE ASSEMBLY
Harley H. Bixler, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 15, 1935, Serial No. 26,796
19 Claims. (Cl. 230—231)



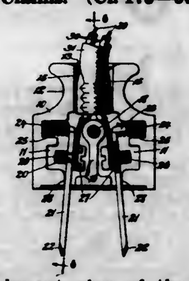
1. A valve assembly for compressors comprising a valve plate or the like having a passage therein through which fluid to be discharged passes, a seat surrounding said passage, a discharge valve element cooperating with said seat to close said passage, and means directing high velocity compressed fluid from said passage across the rear surface of said discharge valve element opposite said passage for reducing the pressure on said rear surface of said discharge valve element to minimize vibration thereof.

2,043,850
MEAT SLICER
Joseph Folk, La Porte, Ind., assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana
Application October 14, 1932, Serial No. 637,756
5 Claims. (Cl. 146—102)



3. A slicing machine comprising a slidable bearing, a support for a carriage on the bearing, a carriage adapted to be releasably supported on said bearing, cooperating bearing surfaces between the carriage and the bearing including a pair of interengaging members for positioning and centering the carriage on one side with respect to the slide bearing, and a clamping member comprising a rotatable member engageable with the carriage and bearing member on the other side of the carriage at a point substantially equidistant from the interengaging centering members for clampingly urging the bearing member and carriage into locking position, said clamping means operating in a direction substantially parallel to the meeting surface of the carriage and bearing, the clamping member drawing the bearing and support toward each other and drawing the seats of the interengaging members against each other when clamping pressure is applied to the clamping member.

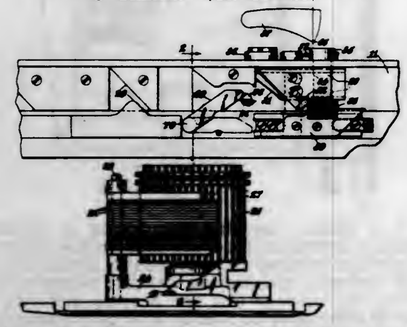
2,043,851
SOCKET PLUG
Albert E. Grant, New York, and Samuel W. Vanderbeek, Manhasset, N. Y.
Application August 11, 1931, Serial No. 556,376
2 Claims. (Cl. 173—361)



1. An attachment plug of the character described comprising a casing and a pair of contact blades pivoted therein and extending outwardly therefrom, resilient means within the casing normally holding the outwardly extending portions of the blades at an angle to each other, the outer ends of said blades being chamfered and normally spaced a part a distance such that their chamfered areas are adapted to engage margins

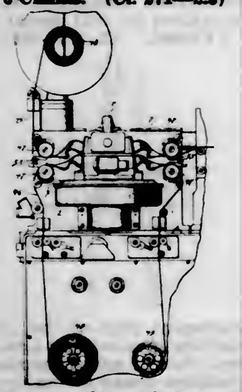
of respective socket openings in a standard receptacle plug to cause the blades to be drawn into substantial alignment against the resistance of said resilient means in the act of coupling.

2,043,852
KNITTING MACHINE
Henry Harold Holmes, Leicester, England, assignor to Wildt and Company Limited, Leicester, England, a British company
Application January 5, 1935, Serial No. 523
In Great Britain September 20, 1934
8 Claims. (Cl. 66—25)



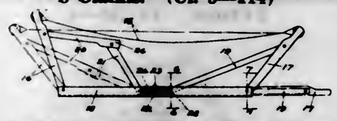
1. A rib knitting machine comprising in combination two needle beds each with a set of needles therein, patterning means for knitting patterned rib fabric, and an adjustable knitting cam element comprising a knock-over portion co-operating with at least one set of needles, which cam element is adjustable in a direction transverse to the lengths of the needles whereby the knock-over points of the knitting cams for the two sets of needles can be moved into and out from coincidence for the purpose described.

2,043,853
PHOTOGRAPHIC PRINTING MACHINE
Albert S. Howell, Chicago, Ill., assignor to The Bell & Howell Company, Chicago, Ill., a corporation of Illinois
Application September 28, 1933, Serial No. 691,326
6 Claims. (Cl. 271—2.3)



1. In a photographic printing machine the combination of two independently rotatable drums about which photographic printing and sensitised strips are respectively trained, a rotatable flywheel, a rotatable primary driver, a resilient drive connection between said flywheel and primary driver, a liquid drag driving connection between each of said drums and said flywheel, constant feed sprocket means positively driven from said flywheel for feeding said strips to and from said drums, and tensioning means yieldably urged against both portions of the strips between said drums and sprocket means and adapted to independently tension the strips.

2,043,854
CAMP BEDSTEAD
Georg Karl Johan Broberg, Rasunda, Sven Werner Wallin, Kallstugan, Taby, and Georg Anselm Wessén, Stockholm, Sweden
Application July 24, 1934, Serial No. 736,642
In Sweden August 16, 1933
8 Claims. (Cl. 5—114)



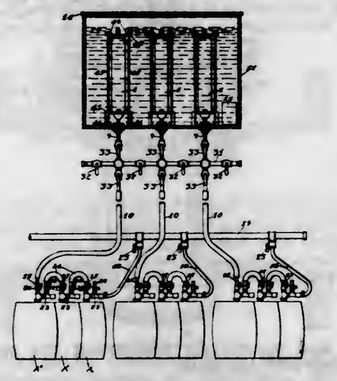
1. A portable and foldable bedstead comprising, in combination, opposite, spaced and elongated cross piece storage members extending in the longitudinal direction of the bedstead when set up, there being a body rest in the form of a supporting bottom disposed between and supported upon said elongated storage members, at least two spaced, concave-sectioned cross pieces adapted to lie horizontally upon the ground and support the bedstead as a whole and which cross pieces at their ends have legs extending upwardly so as to form the legs of the bedstead and terminating at their upper ends in the form of reduced portions extending detachably into apertures in said storage members and also pivotally connected at their lower ends to the cross pieces so as to be swingable downwardly and outwardly into approximate alignment with said cross pieces when the bedstead is disassembled in order to render each cross piece, together with the legs thereof, capable of being introduced into one of said elongated storage members.

2,043,855
ALUMINUM WELDING ROD
Fred Keller, New Kensington, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application January 31, 1935, Serial No. 4,307
5 Claims. (Cl. 219—8)

1. A welding rod consisting of aluminum containing at least one non-volatile grain-refining element selected from a group comprising titanium, chromium, zirconium, molybdenum, tungsten, and uranium, in total amount of 0.01 to 0.75 per cent.

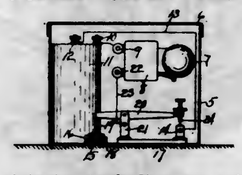
2,043,856
APPARATUS FOR DISPENSING BEER
Ray Knapp, Rochester, N. Y.
Application June 27, 1934, Serial No. 732,691
2 Claims. (Cl. 225—1)

1. Apparatus for dispensing beer comprising a glass cooling chamber having rounded top and bottom portions terminating in an outlet and inlet respectively, a support having a central opening and a seat cooperating with the rounded part of said bottom portion, resilient pads in said rounded part of the seat engaging said bottom portion, a retaining plate engaging the rounded part of said top portion of the cooling chamber and having a central opening to receive the outlet, resilient pads around said opening located between the retaining plate and the



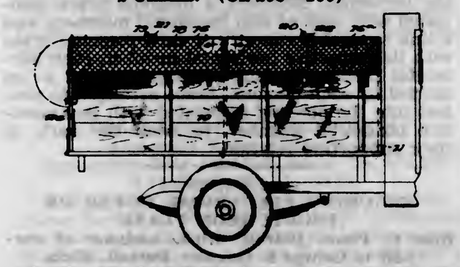
rounded part of said top portion, retaining rods removably engaging guideways in the support, and means for securing said rods in relation to said retaining plate so as to retain the latter and the cooling chamber in position.

2,043,857
LIQUID LEAKAGE DETECTOR
Philip Montgomery, West Hartford, Conn.
Application May 18, 1933, Serial No. 671,665
5 Claims. (Cl. 177—311)



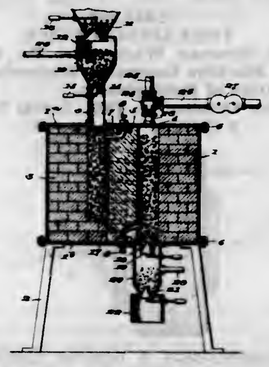
1. An oil detector including an actuator composed of material responsive to oil by contact therewith to effect a change in its bulk, a signal device, and means including said actuator for actuating said signal device in response to contact of oil with said actuator.

2,043,858
PROTECTOR COVER FOR TRUCKS
Walter D. Moore, Chattanooga, Tenn.
Application February 28, 1935, Serial No. 8,753
2 Claims. (Cl. 296—100)



1. The combination of an open top vehicle body, a removable rear end wall, a removable partition dividing said body into front and rear compartments, a pair of rectangular frames for each compartment pivoted to opposite sides of the body, mesh material on said frames adapted to form top closures for said compartments when the frames are swung inwardly over said body, the rear ends of the frames for the rear compartment overlying the removable rear wall when in closed position, and the rear ends of the front compartment frames overlying the removable partition, interlocking elements connecting the frames of each compartment, members on the rear compartment frames overlying the rear ends of the front compartment frames, and separate locking means for locking together the two frames of each compartment.

2,043,859
METHOD OF BURNING CARBONATES AND APPARATUS THEREFOR
William E. Moore, Pittsburgh, and George L. Simpson, Coraopolis Heights, Pa., assignors to Pittsburgh Research Corporation, Pittsburgh, Pa., a corporation of Delaware
Application October 28, 1931, Serial No. 571,662
Renewed October 29, 1935
5 Claims. (Cl. 263—53)



1. The method of burning carbonates which comprises bringing the material into direct contact with a metallic electrical resistor in a closed chamber, and maintaining a reduced pressure in said chamber to such a degree that decomposition takes place at a safe operating temperature for such metallic resistor.

2,043,860
PRESERVATION OF SUBSTANCES
Willard L. Morgan, Nutley, N. J., assignor to Sylvania Industrial Corporation, Fredericksburg, Va., a corporation of Virginia
No Drawing. Application March 14, 1934, Serial No. 715,431
10 Claims. (Cl. 99—163)

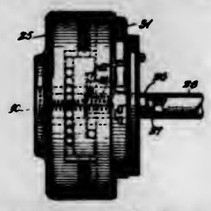
10. As an article of manufacture, a protective element for light-unstable oils, fats and waxes and substances containing the same, comprising a sheet of transparent regenerated cellulose colored with a substance in a concentration sufficient to render said sheet substantially transparent to light having a wave length other than 2900 to 4700 A. U., to which wave lengths it is substantially opaque, said sheet being of a color selected from a group consisting of yellow, orange and red, and retarding the rancidity of said oils, fats and waxes for a period of at least four times that of an uncolored sheet.

2,043,861
PATCH BOLT
Oliver L. Neal, Beaumont, Tex.
Application June 17, 1935, Serial No. 27,078
1 Claim. (Cl. 85—1)



A bolt comprising companion sections each including a head portion having a periphery forming part of a cylinder, a body portion and a shank portion having a periphery forming part of a cylinder, and the latter being of a diameter smaller than the diameter of said body portion, screw threads formed on the body and shank portions, a nut threaded on the shank portions for securing the sections assembled to one another, rods secured to the ends of the shank portions for moving the sections into assembled position and breakable from said shank portions after the application of the nut to the shank portions, and a second nut freely movable over the first nut and threaded on the body portions.

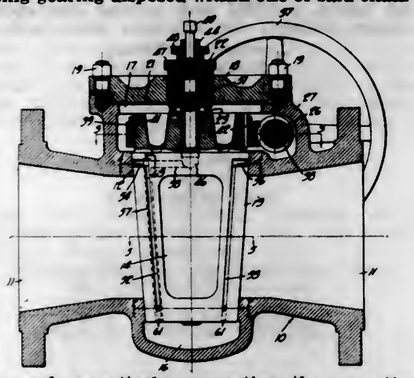
2,043,862
THREADING DEVICE
Samuel F. Newman, Waynesboro, Pa., assignor to Landis Machine Company, Waynesboro, Pa., a corporation of Pennsylvania
Application October 15, 1934, Serial No. 748,390
9 Claims. (Cl. 10—89)



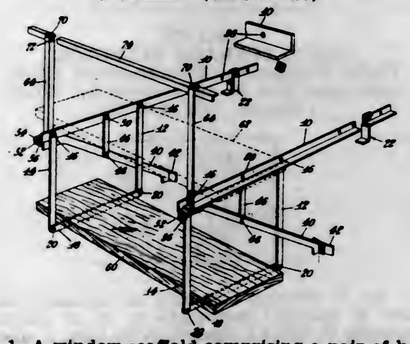
4. In combination a floating chuck for the workpiece, a threading device having cutting teeth, and a supporting guide element for engaging the work and maintaining the centering thereof as it is received and operated upon by the cutting teeth for relieving the teeth of the threading device from the aligning forces between the workpiece and the threading device during the threading operation.

2,043,863
PLUG VALVE
Sven Johan Nordstrom, Piedmont, Calif., assignor to Merco Nordstrom Valve Company, San Francisco, Calif., a corporation of Delaware
Application November 28, 1931, Serial No. 577,731
11 Claims. (Cl. 251—93)

3. In a valve of the plug type, a casing having a passageway therethrough and a tapered seat formed transversely of the passageway, a tapered valve plug rotatably disposed within said seat, a pressure lubricating system for said valve serving to supply lubricant to the valve working surfaces, said system including lubricant chambers formed in the casing at the ends of the plug together with means for attenuating the lubricating pressure introduced into the chamber at the large end of the plug, whereby the plug can be hydraulically jacked from its seat, a rotatable operating member extending into the casing and sealed with respect to the same, and reducing gearing disposed within one of said chambers and operatively connecting the operating member with the plug.



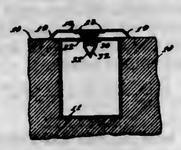
2,043,864
WINDOW SCAFFOLD
Joseph F. Novak, Cicero, Ill.
Application June 12, 1934, Serial No. 730,292
3 Claims. (Cl. 304—27)



1. A window scaffold comprising a pair of horizontal members having hook means for connection with a window sill, a planking support associated with each of said horizontal members, each planking support comprising two normally vertical links pivotally connected with their respective horizontal members and a normally horizontal link pivotally connected with its respective normally vertical links, means for adjusting the hook means in various shifted positions along the horizontal members, a diagonal brace associated with each of said horizontal members, and a link swingably connecting each diagonal brace with its respective horizontal member, each horizontal member having an opening, and a lug carried by each diagonal brace arranged to project into the opening associated with its respective horizontal member, to latch the parts in their supporting relation.

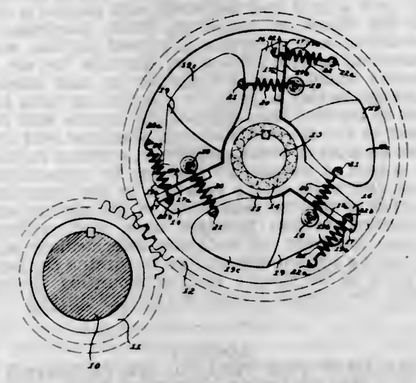
2,043,865
SECURING ELECTRICAL COVER OR ESCUTCHEON PLATE
Bion C. Place, Detroit, Mich., assignor of one-half to George E. Gagnier, Detroit, Mich.
Application January 9, 1931, Serial No. 507,631
9 Claims. (Cl. 247—23)

1. A cover plate of dished form having a fastener anchoring member attached to the rear face thereof by means invisible from the front face thereof adjacent a point thereof where a fastener is to be applied, said anchoring member having a part thereof spaced from said rear face so that the head of a headed fastener may be received between said member and said rear face,



and having an open slot formed therein to pass the head of said fastener by lateral movement thereof between said member and rear face, said slot being shaped to interlock said fastener and member from substantial movement endwise of said slot.

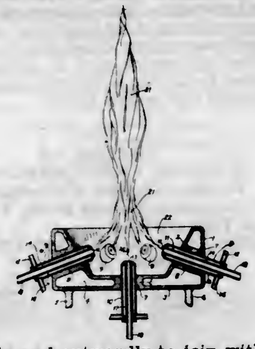
2,043,866
INTERNAL COMBUSTION ENGINE
Alexander Ragan, Jr., Baltimore, Md.
Application July 26, 1932, Serial No. 624,802
2 Claims. (Cl. 64—25)



1. In an internal combustion engine having a crank shaft and a valve-controlling shaft, the combination of a gear on the crank shaft, a gear mounted about the cam shaft but rotatable relatively thereabout, a plurality of circumferentially spaced centrifugally operated cams, arms extending from and secured to the valve controlled shaft and having substantially radially extending flat faces coacting with the cams, the contacting points between the cams and arms being outwardly of the rotating centers of the cams, and resilient tension members normally tending to hold the cam contacting faces and cams together.

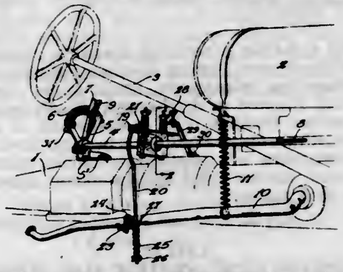
2,043,867
HIGH TEMPERATURE TORCH
Alexander Rava, Chicago, Ill.
Application May 15, 1933, Serial No. 671,150
4 Claims. (Cl. 91—12.2)

1. In a high temperature torch or the like, a frame having a generally cup-form combustion chamber, a jet flame gas burner projecting into the chamber through the bottom thereof disposed to project a jet of flame through and out of said cup form combustion chamber, and a plurality of gas jet nozzles projecting laterally into the chamber through the side wall thereof and disposed around the central burner and projecting flame



jets inwardly and outwardly to join with the first named flame jet.

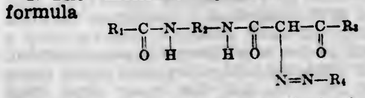
2,043,868
THROTTLE CONTROL MECHANISM
Edward J. Sampson, Corpus Christi, Tex.
Application June 17, 1935, Serial No. 27,120
5 Claims. (Cl. 192—.01)



1. The combination with a throttle control rock shaft of an internal combustion engine, said shaft being manually settable in opposite directions to throttle opening and closing positions, respectively, and a clutch control member movable in opposite directions to clutch engaging and disengaging positions, respectively, of a rocking unit frictionally clutched to said shaft to rock the same and permit independent rocking of said shaft, and means for imparting a limited and variable degree of rocking movement to said unit by operation of said member to clutch engaging position.

2,043,869
MONOAZO DYESTUFFS
Max Schmid, Riehen, near Basel, Switzerland, assignor to the firm Society of Chemical Industry in basle, Basel, Switzerland
No Drawing. Application July 17, 1935, Serial No. 31,921. In Switzerland July 21, 1934
10 Claims. (Cl. 260—86)

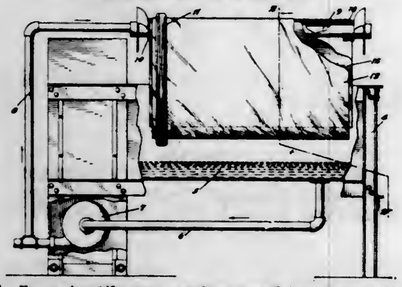
1. The monoazo dyestuffs of the general formula



in which R_1 represents a radical of the group consisting of alkyl radicals and aryl radicals of the benzene series, R_2 a radical of an aromatic 4,4'-diamino-compound of the diphenyl series, R_3 a radical of the group consisting of alkyl radicals

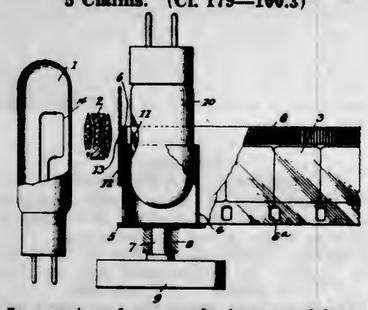
and aryl radicals of the benzene series, and R4 the radical of such a diazo-compound which contains no group promoting solubility, which products are yellow powders dissolving in pyridine to green-yellow to orange and in sulfuric acid to green-yellow to scarlet solutions, and dyeing the vegetable fiber fast yellow tints.

2,043,870
RANDOM SKEIN DYEING
James A. Webber, Chester, Pa., assignor to The Viscose Company, Marcus Hook, Pa., a corporation of Pennsylvania
Application August 9, 1934, Serial No. 739,130
12 Claims. (Cl. 8—19)



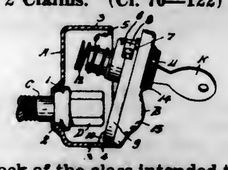
1. In a textile processing machine comprising a tubular support having discharge outlets therein, means for introducing liquid under pressure into said support to discharge through said outlets against material, the combination of means for adapting said machine for random skein dyeing comprising an imperforate shield extending over said support and having skirts depending below said support.

2,043,871
REPRODUCING SYSTEM FOR SOUND ON FILMS
Stewart C. Whitman, New York, N. Y., assignor to Whitman Sound Systems, Ltd., Dover, Del., a corporation of Delaware
Application September 27, 1932, Serial No. 635,120
5 Claims. (Cl. 179—100.3)



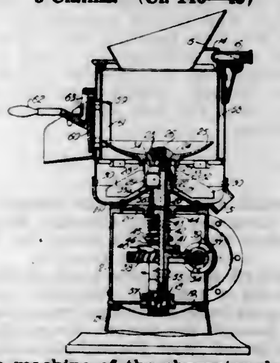
1. In a system for reproducing sound from film, a source of light comprising a rectilinear filament exciter lamp, an idler pulley, a film carrying a sound track on one edge thereof passing over and frictionally engaging said pulley, said pulley being flanged on one end, said film being wider than the face of said pulley by the width of said sound track and being so positioned that said sound track projects beyond the unflanged end of said pulley when the edge of said film not carrying the sound track abuts the flange of said pulley, the diameter of said pulley being tapered slightly larger at the flanged end thereof, an opaque plate disposed between said source and said film and being apertured over the sound track on said film, and a light sensitive cell mounted under the projecting sound track on said film on the side thereof opposite said light source, said rectilinear filament being mounted substantially parallel to and in register with the aperture in said plate and the breadth of said sound track.

2,043,872
LOCKING DEVICE
Solomon Wise, Cleveland, Ohio
Application January 27, 1934, Serial No. 708,678
Renewed November 20, 1935
2 Claims. (Cl. 70—122)



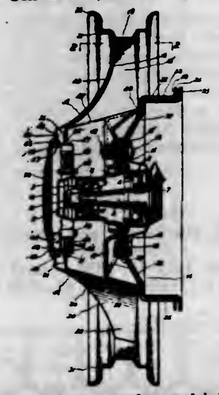
1. A tire lock of the class intended to be mounted upon a stud and to receive and enclose a nut on the shank of the stud, which comprises a mounting section having a webbed portion, said mounting section having an aperture therein, a closure member, a lock carried by said closure member having a part for cooperation with the web to prevent separation of the closure with respect to the mounting section when the said closure member is mounted thereon, a tongue formed as a part of the closure member for cooperation with the walls of the aperture in the mounting section to prevent separation of the closure and mounting section in such zone, and resilient means mounted on said lock intermediate said mounting section and closure for urging the separation of its closure and its mounting section when the former is mounted on the latter.

2,043,873
MACHINE FOR PEELING OR CLEANING VEGETABLES AND THE LIKE
Frederick Hursh Wright and Edmund Woodward Lewis, London, England, assignors to The Century Machine Company, Cincinnati, Ohio
Application April 26, 1932, Serial No. 607,588
In Great Britain May 22, 1931
5 Claims. (Cl. 146—49)



1. In a machine of the character described, a container having a fixed bottom, a driven shaft projecting upwardly through the bottom of the container, and a plate carried by the upper end of and rotatable with the shaft within the container and constituting a rotatable bottom member therefor, the upper end of the shaft having a screw threaded portion within the container with its threads extending in a direction reverse to that of the rotation of the shaft, the plate having a central opening with the wall of the opening screw threaded and screwed upon the threaded portion of the shaft and constituting the sole connection between the plate and the shaft, and driving means for the shaft including an overload clutch.

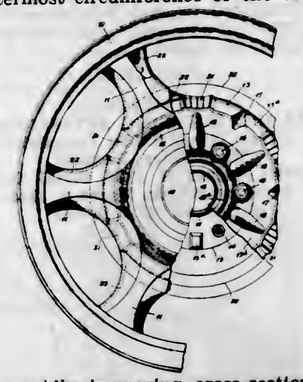
2,043,874
WHEEL COVER AND SECURING MEANS THEREFOR
Oscar U. Zerk, Cleveland, Ohio
Application October 3, 1931, Serial No. 566,615
6 Claims. (Cl. 301—37)



1. A sheet metal cover for vehicle wheels of the type comprising a central hub portion having inwardly radially extending shoulder means, the cover comprising a central nave portion and a portion extending radially outwardly therefrom, the radially outwardly extending cover portion having peripheral portions engageable with portions of the wheel rim, securing means comprising a plurality of screw-threaded elements on the cover having portions adapted to be moved to overlap the said shoulder means of the hub portion when screwingly turned in one direction draw the cover toward the wheel, and resilient means maintaining the said elements in adjusted position.

2,043,875
VEHICLE WHEEL
Oscar U. Zerk, Cleveland, Ohio, assignor to Zerk Corporation, a corporation of Delaware
Application April 21, 1932, Serial No. 606,574
5 Claims. (Cl. 301—9)

1. In a vehicle wheel, a sheet metal body member having a plurality of spokes and an outer hub integrally formed, the spokes having outer and side walls and open inner sides, the outer wall of each of the spokes flaring axially outwardly from near the outer spoke end to near the outer end of the outer hub, the outer hub comprising a continuous annular portion interconnecting the spoke outer walls, the side and outer walls of the spokes merging with the outer hub, and spoke bracing means positioned adjacent the inner face of the wheel and extending between the side walls of each of the spokes, said spoke bracing means comprising lateral flanges, said flanges welded to the side walls of the spokes and the spoke bracing means forming with said spokes radial load and transverse torque sustaining relatively short stubby box-like structures whose radial extent is substantially less than the outer diameter of the axially outermost circumference of the outer hub



and of rapidly increasing cross-sectional area proceeding radially inwardly from a point close to the spoke ends, and a radial bolting-on flange integrally secured to the body member having a generally conical portion provided with a plurality of raised shoulder portions, the radially inner ends of the bracing means flanges abutting adjacent shoulder portions.

2,043,876
SAW SET
Peter L. Allard, Hoviand, Minn.
Application February 19, 1935, Serial No. 7,279
1 Claim. (Cl. 76—73)



A saw set comprising a base, an anvil secured to said base and provided with a beveled face to be overlied by a tooth of a saw, a gauge adjustably secured to the base to be engaged by teeth of the saw, a hammer pivoted to the base to be brought in engagement with the tooth of the saw positioned over the beveled face of the anvil and adapted to be struck a blow for bending the tooth in engagement with the beveled face of said base, said hammer having a striking face and a beveled end, a flexible saw blade rest integral with the anvil and having an opening, and an adjusting means threaded to the base and underlying said opening for rotation in either direction to flex the rest into various positions.

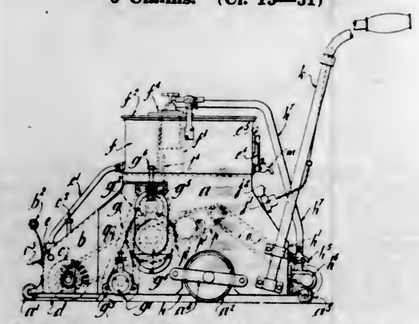
2,043,877
OIL LEVEL INDICATOR
John Ashworth, Albany, N. Y.
Application May 15, 1935, Serial No. 21,675
3 Claims. (Cl. 116—116)



2. An oil indicator comprising a hollow rod like member to replace the usual oil gage rod for

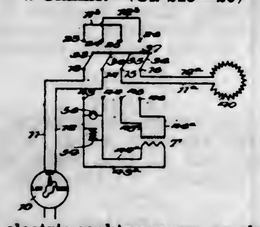
the crank case of the engine of a vehicle and removably received in the opening thereof to extend below the required oil level of the crank case, said member having a flat lower portion provided with an inlet, a cap secured to said member to close the gage receiving opening and to support the member therethrough, tubular means connected to said member, and vented suction means connected to and communicating with the tubular means.

2,043,878
FLOOR CLEANING APPLIANCE
Alfred James Babbs, Longsight, Manchester, England
Application August 21, 1935, Serial No. 37,151
In Great Britain March 9, 1934
6 Claims. (Cl. 15—51)



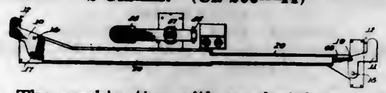
1. An improved floor-cleaning appliance comprising a carriage adapted to run on a floor, a belt mop and a plurality of rollers supporting the mop, at least one of which rollers presents the mop to the surface of the floor, an expressing roller engaging the face of the mop and coacting with one of the supporting rollers to nip the mop, and a tank on the carriage to which the expressed water is returned, the expressing roller being arranged below the mop so that the expressed water falls by gravity from the expressing roller clear of the mop, means for collecting the expressed water, a filter and means for returning the water through the filter to the tank on the carriage and means for delivering filtered water from the tank tangentially onto the belt in advance of the expressing roller to wash particles of dirt from the belt before reaching the expressing roller.

2,043,879
ELECTRIC COOKING RANGE
Llewellyn William Bentley, Riverside, Calif.
Application November 5, 1934, Serial No. 751,639
2 Claims. (Cl. 219—20)



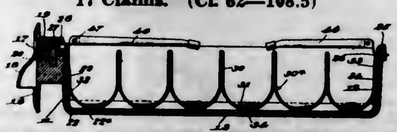
1. In an electric cooking range, an electric heating unit, a main switch, means for reducing the heating effect of current supplied said heating unit, a two-positional switch movable to one position to close a circuit direct between said main switch and heating unit and movable to a second position to close a circuit between said main switch and heating unit through said reducing means, means for holding said two-positional switch in its said second position, means operable by the opening of the main switch for releasing the two-positional switch from said second position, and means for automatically restoring the two-positional switch to its first-mentioned position.

2,043,880
BATTERY CUT OUT AND SAFETY LOCK
Lewis M. Browder, East Columbus, Ohio
Application March 11, 1935, Serial No. 10,571
2 Claims. (Cl. 200—44)



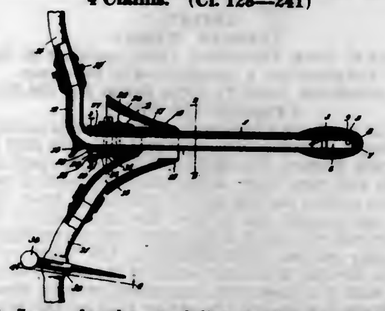
1. The combination with an electric system installation in a motor vehicle, of a switch in said system, operating means for closing said switch, key operated means for locking the switch open, means for locking the switch closed, and means operated by a door of the vehicle for actuating the last-named means to release the same and permit the opening of the switch.

2,043,881
ICE CUBE PAN
Michael K. Buchanan and Albert G. Horton, Norfolk, Va.
Application July 25, 1933, Serial No. 682,157
17 Claims. (Cl. 62—108.5)



5. In an ice cube pan, a grid having a relatively stationary grid member and a normally movable grid member, means for raising said normally movable grid member, means for loosely connecting one end of the first-mentioned grid member with an end wall of the pan to provide for a limited outward movement of the first grid member during the initial actuation of the raising means.

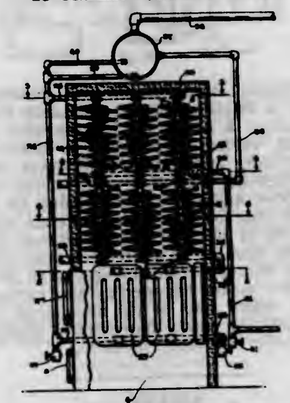
2,043,882
DOUCHE
Charles W. Cheek, East Chattanooga, Tenn.
Application July 30, 1934, Serial No. 737,635
4 Claims. (Cl. 128—241)



1. In a douche, a delivery pipe, a drainage tube having a sleeve at one end slidably mount-

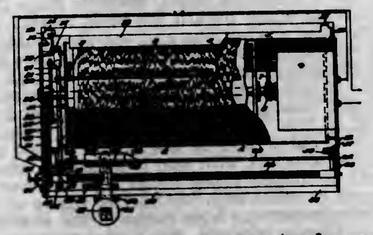
ed on the pipe, a packing sleeve fitting tightly about the rear end of the sleeve of the drainage tube, and means for securing said packing sleeve around the pipe at the rear of the sleeve of the tube for sealing the rear end thereof, and a collar adjustably secured about the pipe rearwardly of the packing sleeve with its forward end overlapped by the packing sleeve to form a tight joint.

2,043,883
HEATING SYSTEM
Dawson Conekin, Philadelphia, Pa.
Application March 25, 1935, Serial No. 12,957
15 Claims. (Cl. 122—252)



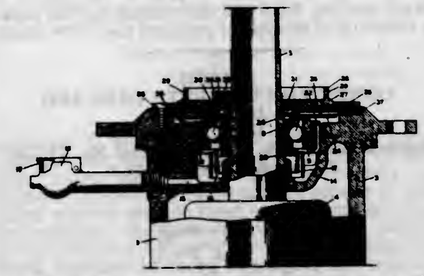
1. In a heating system, a boiler including a multiple coil water heating unit comprising a pipe provided between its ends with a partition dividing the pipe into an inlet chamber and an outlet chamber, and relatively short coils located at the inlet and outlet chambers and surrounding the said pipe, said coils being in connection at one end with the inlet chamber at a point adjacent to one end of the latter, and being in connection at their opposite end with a corresponding point of the outlet chamber.

2,043,884
PHOTOELECTRIC SOUND RECORDING OR REPRODUCING APPARATUS
Fernando Crudo, Buenos Aires, Argentina, assignor to Compania Fundadora Fotoliptofono, S. A.
Application December 13, 1934, Serial No. 757,410
In Germany June 22, 1934
16 Claims. (Cl. 274—5)



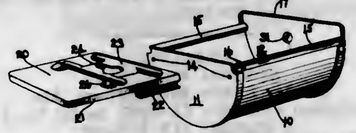
1. A photoelectric sound apparatus for recording or reproducing, comprising a rotary cylindrical phonogram carrier, a motor for actuating said carrier, switching means for controlling said motor, means for fitting a phonogram about and securing it to said cylinder, and means also actuated by said switching means for actuating said second-mentioned means to fit said phonogram about and to grip it on said cylinder.

2,043,885
BEARING LUBRICATION
Hobart O. Davidson, Meadville, Pa., assignor to The Viscose Company, Marcus Hook, Pa., a corporation of Pennsylvania
Application October 9, 1934, Serial No. 747,635
6 Claims. (Cl. 308—187)



1. In combination with a bearing, means for supplying a fine mist of oil to one side of said bearing, and means for preventing escape of said fine mist of oil from the other side of said bearing, comprising a locking nut and a radially grooved disk, both of greater diameter than said bearing.

2,043,886
SLIDING ASH RECEIVER
Rudolph F. De Boer, Grand Rapids, Mich.
Application February 26, 1936, Serial No. 65,785
12 Claims. (Cl. 206—19.5)

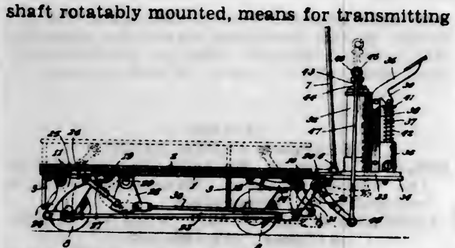


3. In an ash receiver, in combination with a container and a support therefor, means for slidably and releasably mounting said container on said support, said means comprising a slidable guide member attached to said support and a second slidable guide member attached to said container, said guide members having interlocking and sliding engagement with each other acting to support the weight of the container, one of said guide members being so mounted as to be capable of yielding out of its normal position for the purpose of disengaging said guide members thereby releasing said container from said support.

2,043,887
FURNITURE TRUCK
John L. Dement, San Antonio, Tex.
Application May 16, 1935, Serial No. 21,865
7 Claims. (Cl. 254—9)

1. A device of the character described comprising a truck having a body, an auxiliary platform disposed over the body and shiftable vertically toward and away from the body, rocker shafts mounted under the body, arms carried by said rocker shafts and engaging the auxiliary platform for vertically adjusting the auxiliary platform when the rocker shafts are rotated, a drive

shaft rotatably mounted, means for transmitting



rotary motion from the drive shaft to the rocker shafts, and means for rotating the drive shaft.

2,043,888
COMBINED CIGARETTE CASE AND LIGHTER
Leo A. Denit, Salem, Va.
Application March 13, 1934, Serial No. 715,342
3 Claims. (Cl. 206—41.4)



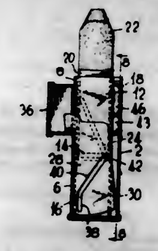
1. In a structure of the character described, the combination of a casing having a chamber therein adapted to receive a lighter, said chamber being open to a side of the casing, a lighter insertable through the open end of the chamber into the casing and removably disposed therein, said lighter having a wick and pin arranged adjacent each other, and a bar of spark-giving material secured to the exterior of the casing and adapted to ignite the wick upon removal of the lighter from the casing and rubbing the pin longitudinally of the bar.

2,043,889
SPRING ASSEMBLY
Stanley E. Erb, Birmingham, Ala.
Application February 11, 1935, Serial No. 6,058
2 Claims. (Cl. 267—20)



1. A spring assembly for vehicles comprising a block arranged in the front cross member of the frame of the vehicle, a yoke between the block and cross member and extending rearwardly and outwardly therefrom, means for securing the block and yoke member fixed to the cross member, a plate included in said means, a boss depending from the plate, a pair of levers pivoted intermediate their ends to the boss and one of their ends being pivoted to the front axle of the vehicle, cup-shaped members formed on the opposite ends of the levers, disk-shaped members formed on the opposite ends of the yoke, said cup-shaped members and disk-shaped members being relatively disposed in superimposed pairs, and coil springs mounted between and received by the members of each pair.

2,043,890
HOLDER FOR LIP STICKS OR THE LIKE
Irving Florman, New York, N. Y.
Application November 5, 1935, Serial No. 48,403
7 Claims. (Cl. 206—56)



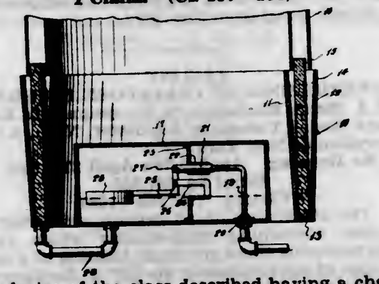
1. In a lipstick holder or the like, a casing open at its top, a holding member slidably mounted in said casing, a cover for closing said casing, an element vertically slidable in said casing, means pivotally supporting said cover on said element whereby the cover may move from a position above and closing the casing to a position at the side of the casing, means operated by movement of said cover and element to move said holding member so as to eject and withdraw the holding member from the casing as the cover is moved, and means engaged by said element adjacent the upper end of its movement for resiliently resisting such movement, whereby to hold said cover in closed position.

2,043,891
PILING
Otto Grave, Peine/Hanover, Germany
Application June 22, 1935, Serial No. 27,979
In Germany July 31, 1933
1 Claim. (Cl. 61—61)



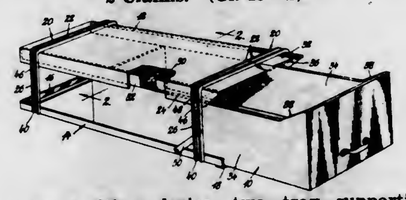
A metal piling structure comprising, in combination, one-piece H-shaped rolled metal sections having substantially parallel faced flanges, one of said flanges being of a materially greater width than the other flange, said sections being arranged side by side with the longitudinal edges of their flanges adjacent each other, said flanges having their outer faces only materially thickened for a relatively short distance from their longitudinal edges toward the webs of said sections to form locking ribs, and one-piece substantially H-shaped rolled metal connecting bars having a dimension in a direction parallel with the flanges of said sections substantially coextensive with said locking ribs and constructed and arranged so that their flanges embrace both the inner and outer faces of the flanges of said sections and interlock with said locking ribs, whereby said H-shaped rolled metal sections may be arranged in series with the narrow flange of one section adjacent the wide flange of the next section to form a straight line piling structure or with the narrow and wide flanges of one section adjacent similar flanges of the next section to form a piling structure disposed on an angle or curve as desired.

2,043,892
VALVE FOR LIQUID FUEL BURNERS
Adolph A. Halter, Cleveland, Ohio
Application November 14, 1925, Serial No. 49,833
1 Claim. (Cl. 137—104)



A device of the class described having a chamber, a supply pipe rising from the bottom wall of the chamber and terminating in a horizontal outlet portion constituting a valve seat at its free end, a bracket depending from the top wall of the chamber having a sleeve aligned with and spaced from the outlet of said portion, a valve slidably disposed in said sleeve extending into said space and adapted to seat directly on the said free end of said portion, a bracket within the chamber, a float, said float having an upwardly extending arm pivoted to the second mentioned bracket below said valve, and being also pivotally connected to said valve on the opposite side of the sleeve to said portion.

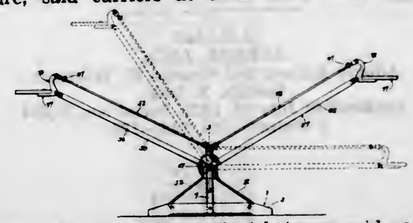
2,043,893
FILING CABINET
James A. Hedges, Chicago, Ill.
Application June 10, 1935, Serial No. 25,889
2 Claims. (Cl. 45—2)



1. In a filing device, two tray supporting frames arranged in stacked relation, each frame including vertical reaches, the vertical reaches of one frame being arranged in end to end alignment with the vertical reaches of the other frame, each vertical reach of the upper frame being provided with a laterally projecting pin near its lower end, each vertical reach of the lower frame being provided with a fastening screw, and a clip carried by each screw, each clip being slotted longitudinally for loosely receiving its respective fastening screw, the other end of each clip being provided with an opening for loosely receiving the pin carried by the associated vertical reach of the upper frame, said clips being firmly secured to said pins when said screws are tightened.

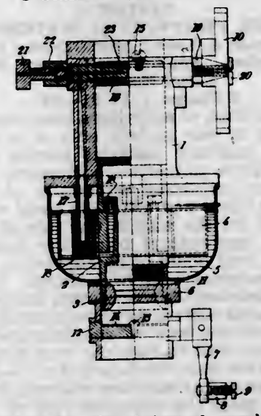
2,043,894
PORTABLE SEESAW
Harry F. Husted, Benton, Pa., assignor to Titti-sanna A. Morie, Tombichena, Pa.
Application October 18, 1935, Serial No. 45,656
10 Claims. (Cl. 272—54)

8. In a portable seesaw, an upstanding base structure of skeleton form including a centrally suspended vertical block and a pair of spaced parallel parts extending above the block, an upper pivot carried by said parts, a lower pivot carried by, passing through said block, and extending laterally in opposite directions relative to said structure, a pair of oppositely disposed tiltable carriers having their inner ends extending between said parts and straddling said structure, said carriers at their inner ends being



mounted on said upper pivot between said parts and on the lateral extended portions of said lower pivot, said carriers having coacting detachable, interengaging adjustable means at their inner ends to provide them of the same leverage, for reducing the leverage of one with respect to the leverage of the other and for connecting them together to move in unison, the coacting means of one of said carriers mounted on said lower pivot, and seat structures connected to the outer ends of said carriers.

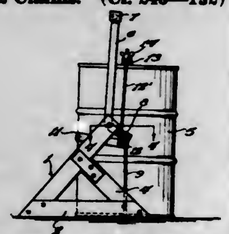
2,043,895
CARBURETOR
Eladio Artuñedo Larrosa, Bilbao, Spain
Application October 1, 1934, Serial No. 746,464
In Spain May 18, 1934
3 Claims. (Cl. 261—41)



1. A carburetor for internal combustion engines comprising a tubular body, a constant level float chamber beneath said body, a tubular member passing through said chamber and secured at its upper end to said tubular body, a sleeve secured to said tubular member and holding said float chamber in place, said tubular body and said tubular member and said sleeve constituting a single passage, a strangler located in said sleeve, a choke member located in said tubular member adjacent the end thereof which is adjacent said sleeve, fuel ducts each communicating at one end with the fuel chamber and at its other end with a jet element delivering into said tubular member above said choke, a throttle valve in said

tubular body, a by-pass duct from said float chamber to said throttle valve, an air inlet valve cooperating with said by-pass duct, and means governed by said throttle valve for opening said by-pass duct to communicate with said tubular body on the suction side of said throttle valve when said throttle valve is closed and for shutting off said by-pass while said throttle valve is open.

2,043,896
BARREL JACK
Adolph Larsen and George W. Williams, Sanish, N. Dak.
Application July 15, 1935, Serial No. 31,474
2 Claims. (Cl. 248—132)

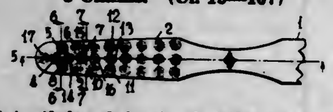


1. A barrel jack comprising a strap adapted to partly encircle a barrel, a pair of tie rods connected to said strap and engaging one end of a barrel, a second pair of tie rods connected to said strap, a bar adjustably secured to said second-named tie rods and engaging the opposite end of the barrel, levers having angularly related ends pivotally connected to the first-named tie rods, and a stand having said levers pivoted thereto.

2,043,897
FOOD PROTECTING MATERIAL
Harold A. Levey, New Orleans, La.
No Drawing. Application October 26, 1931, Serial No. 571,285
5 Claims. (Cl. 91—70)

1. The method of applying a non-porous coating of wax to one surface only of a container of fibrous capillary material having relatively high absorptive properties comprising applying an emulsion consisting essentially of wax, an emulsifying agent and a volatile liquid which is a non-solvent for the wax to one side of the material at a temperature below the fusion point of the wax, said liquid being adapted to wet said capillary material and be removed therefrom without destroying the wax coating thereon, heating the treated surface to approximately the fusion point of the wax to simultaneously break the emulsion, and to fuse the wax into a continuous surface film, the liquid of the wax emulsion penetrating the capillary material and being evaporated from the uncoated side of the material.

2,043,898
TOOTH BRUSH
James A. Malcolm, Sheraden, Pa.
Application May 4, 1935, Serial No. 19,892
8 Claims. (Cl. 15—167)



1. A tooth brush having bristles forming in the bristle face a ridge that is substantially in the form of an ellipse having its major axis extending longitudinally of the brush head, and from substantially the outer wall of bristles at the free end of the brush head, and bristles placed inwardly and outwardly from the ridge and of decreasing length away from the ridge.

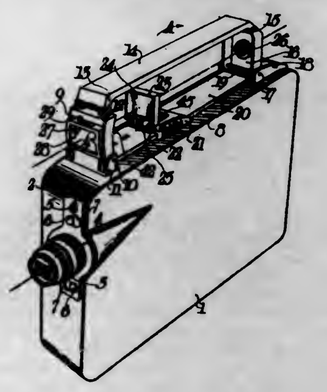
2,043,899
STABILIZING OF CELLULOSE ESTERS
Carl J. Malm, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application April 27, 1932, Serial No. 607,285
5 Claims. (Cl. 260—102)

1. The stabilizing of an organic acid ester of cellulose containing sulfo-groups which comprises removing those groups by treating at a temperature of approximately 80–120° F. for approximately twenty-four hours with a bath substantially comprising a compound having the formula:



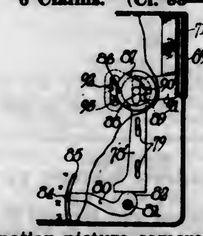
where R may be either an alkyl, aryl or aralkyl group and X may be either a hydrogen, alkyl, aryl or aralkyl group.

2,043,900
MULTIPLE IMAGE VIEW FINDER
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application July 18, 1934, Serial No. 735,749
4 Claims. (Cl. 88—1.5)



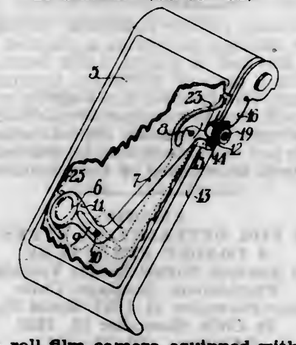
1. In a variable view finder for cameras, the combination with a pair of hingedly mounted, definitely spaced finder elements including a frame and an eye-piece, a handle pivotally connected to each finder element, a track extending between said finder elements, a slide movable over the track into a plurality of predetermined positions defined by a snap latch on the slide cooperating with notches in the track, a third finder element hingedly attached to the slide, a spring for holding the third finder element in an erect position thereon, said hingedly mounted element being adapted to be moved from its erect position when engaged by the handle connecting the first two mentioned finder elements.

2,043,901
PHOTOGRAPHIC APPARATUS
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application August 18, 1934, Serial No. 740,469
6 Claims. (Cl. 88—16)



1. In a motion picture camera in which a device including a light sensitive cell controls the opening to which the diaphragm of the camera may be adjusted, a grid shutter in front of the cell for varying the area of the cell exposed comprising two relatively movable elements having a plurality of parallel spaced elongated openings, a change speed lever for adjusting the speed of operation of the camera and means actuated by the movement of said lever for altering the relative positions of said movable elements.

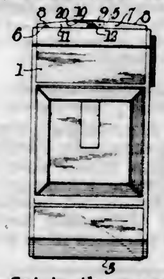
2,043,902
AUTOMATIC FILM WINDOW SHUTTER
Joseph Mihalyi, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application August 1, 1935, Serial No. 34,213
10 Claims. (Cl. 95—31)



1. In a roll film camera equipped with a window for viewing the exposure numbers on the film backing strip the combination with a winding means for advancing said film strip, of a shutter for covering and uncovering said window, means for controlling the position of said shutter adapted to be actuated by said winding means.

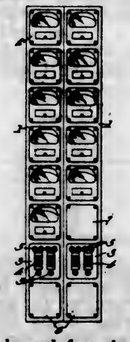
2,043,903
CAMERA LATCH
August Nagel, Stuttgart, Germany, assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application October 19, 1934, Serial No. 749,082
In Germany December 6, 1933
1 Claim. (Cl. 292—204)

In a latch adapted for use with cameras having two relatively movable parts with a pin on one of said parts, the combination of a housing on said other part, said housing including top, side, and end walls, said top wall having a surrounding flange and an angular slot, said surrounding flange being recessed to form a handle seat, an opening in the side wall to receive the pin, a latch member inside of the housing comprising a flange adapted to engage and hold said pin inside of the housing, a handle for said latch member



adapted to lie flat in the recessed seat and to project a slight distance to each side of the housing, said latch member being hingedly mounted on the housing and being adapted to be moved transversely thereof to and from an operative pin engaging position, and a spring tending to hold said latch member in either position.

2,043,904
ELECTRICAL CONTROL BOARD
Raymond T. Pierce, Millburn, N. J., assignor to Weston Electrical Instrument Corporation, Newark, N. J., a corporation of New Jersey
Application June 14, 1932, Serial No. 617,176
8 Claims. (Cl. 175—298)

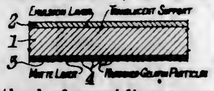


1. In a control board for electrical apparatus, a vertically disposed skeleton strip having a plurality of alined openings, instrument cases inserted into a plurality of said openings from the face of the strip and having flanges secured to said strip to constitute the sole support for said cases, instrument movements secured in the several cases, and cover plates secured to each of said cases to complete the housings for the several instrument movements.

2,043,905
LIGHT-SENSITIVE PHOTOGRAPHIC ELEMENT
Merrill W. Seymour, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application January 8, 1935, Serial No. 879
13 Claims. (Cl. 95—7)

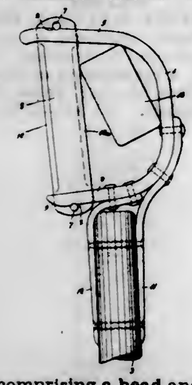
1. A light sensitive photographic element comprising a bichromated layer composed of a cellulose organic ester having free carboxyl groups.

2,043,906
MATTE SURFACE AND METHOD OF PRODUCING THE SAME
Samuel E. Sheppard and James H. Hudson, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application March 22, 1935, Serial No. 12,473
18 Claims. (Cl. 91—69)



1. The method of providing a matte surface on a support, which comprises treating a finely divided gelatin with a volatile solution containing formaldehyde, forming a thin layer of solution and hardened formalinized gelatin particles on said support, and drying said layer so that said hardened gelatin particles form a matte surface on said support.

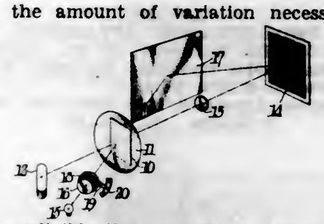
2,043,907
HATCHET
Sigvald Troell, Solleftea, Sweden, assignor to Sandvikens Jernverks Aktiebolag, Sandviken, Sweden, a registered company of Sweden
Application May 21, 1934, Serial No. 726,849
In Sweden June 15, 1933
7 Claims. (Cl. 30—11)



1. An axe comprising a head and a handle, said head consisting of a resilient bail-shaped frame having the mass required for an axe head and a knife-shaped hewing blade forming a cutting member and having fixing members at the ends thereof, the frame including diverging arms adapted to cooperate with said fixing members and provided at their ends with slots adapted to receive the cutting member so that the cutting member is held in spaced relation to the medial portion of said bail-shaped frame and in position in the slots and bears against the bottom of said slots.

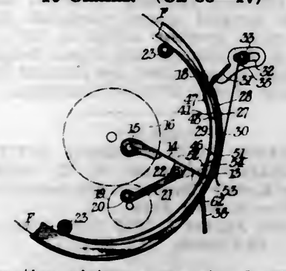
2,043,908
METHOD AND APPARATUS FOR DETERMINING CONTRAST
Clifton M. Tuttle, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application November 23, 1933, Serial No. 699,368
3 Claims. (Cl. 88—14)

1. The method of measuring the contrast of a photographic negative which comprises forming an image of the negative on a light diffusing surface, directing extraneous light through the negative and onto the image on said diffusing surface, varying the intensity of the extraneous light and noting the amount of variation necessary to



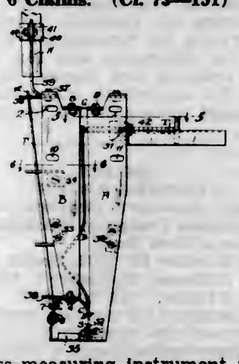
render negligible the contrast in the projected image.

2,043,909
SELF THREADING MOTION PICTURE APPARATUS
Ernest E. Underwood and Howard C. Weilman, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application December 4, 1925, Serial No. 73,120
Renewed May 11, 1932
10 Claims. (Cl. 88—17)



1. A motion picture apparatus having a gate structure adapted to provide a channel through which a film may be guided, a film feeding member having a path of movement extending partially across said channel and a spring extending into said channel and adapted to guide a film past said film feeding member without engagement therewith and movable out of said channel to permit a film to be engaged by the feeding member.

2,043,910
MEANS FOR DETERMINING STRESSES IN A LOADED STRUCTURE
Julio Augusto Miguel Ibañez Valenzuela, Providencia, Santiago, Chile
Application December 14, 1932, Serial No. 647,286
In Chile November 12, 1932
6 Claims. (Cl. 73—151)



1. A stress-measuring instrument for attachment at a gap in a member of a scale model comprising two rigid principal members, a joint substantially swingably connecting these members, adjustable moment applying means mounted on the rigid members and adapted to apply moments to these members round the swingable joint and indicating means to determine the relative position of the principal rigid members.

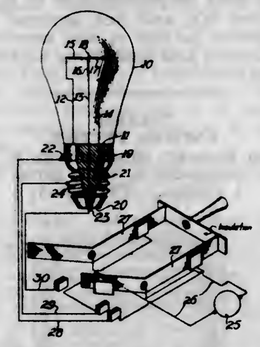
2,043,911
PROCESS OF TREATING SUGAR JUICES
Emil K. Ventre, Washington, D. C., assignor to Henry A. Wallace, as Secretary of Agriculture of the United States of America
No Drawing. Application March 6, 1936, Serial No. 67,493
3 Claims. (Cl. 127—46)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In the manufacture of products from sugarcane and sugar beets by use of sulphitation, the step which comprises applying an oxidizing agent containing available chlorine to remove or convert sulphites.

2,043,912
PROCESS OF MAKING QUINONE
Harold Von Bramer and Albert C. Ruggles, Kingsport, Tenn., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
No Drawing. Application February 15, 1935, Serial No. 6,719
6 Claims. (Cl. 260—56)

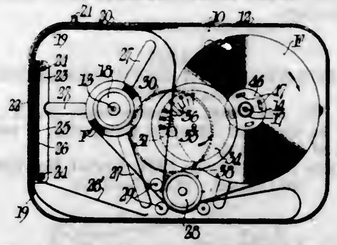
1. In a process of manufacturing quinone by oxidizing aniline by means of manganese dioxide and sulfuric acid only, the step which comprises gradually adding aniline sulfate and manganese dioxide to the reaction mixture.

2,043,913
PHOTOGRAPHIC LAMP
Raymond W. Wengel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application August 9, 1934, Serial No. 739,111
1 Claim. (Cl. 176—26)



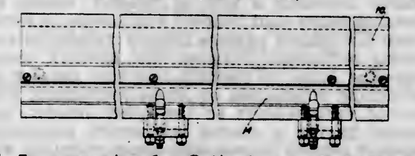
An electric lamp having a translucent envelope and a base, three filaments within the envelope each having one end connected to one end of each of the others, and an individual lead from the free end of each filament to a separate external contact, the magnitude of the individual resistances of two of said filaments being equal and substantially greater than the magnitude of the resistance of the third of said filaments.

2,043,914
INDICATING DEVICE FOR FILM MAGAZINES
Otto Wittel, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application October 7, 1933, Serial No. 692,668
20 Claims. (Cl. 33—172)



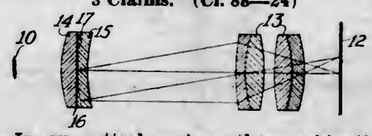
1. In a device for measuring the length on a roll of strip material, the combination with an indicating means including an index member and a graduated member which are relatively movable with respect to each other, and an element connected to one of said members and for contacting the outer convolution of strip material on said roll, of a means movable with said roll of strip material and for moving the member to which said element is connected to hold said element against the outer convolution of said roll.

2,043,915
APPARATUS FOR WORKING METAL
Alva W. Woodward, Kent, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application October 26, 1934, Serial No. 750,080
9 Claims. (Cl. 29—33)



1. In apparatus for flattening angle base rim sections, the combination of a bed for receiving the section, a platen head adapted for reciprocating movement above the bed, and means for resiliently positioning the section on the bed during the flattening operation, said means including a plurality of spring held pins which contact with the rim section in a direction to yieldingly oppose the flattening movement of the rim edge but which will yield to a position to permit the rim to be completely shaped.

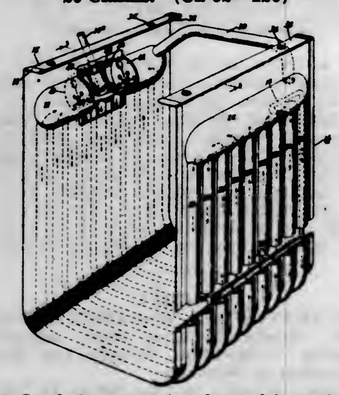
2,043,916
OPTICAL SYSTEM
Fred E. Altman, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application August 18, 1934, Serial No. 740,477
3 Claims. (Cl. 88—24)



1. In an optical system, the combination of an objective system uncorrected for curvature of

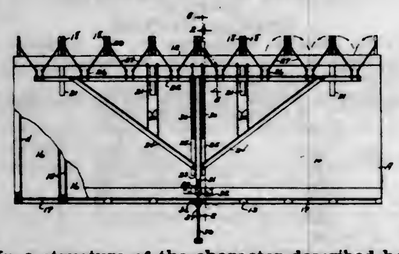
field and a light-limiting device comprising means defining a plane slit, a plano-concave lens between the slit and said objective system, the plano side of said lens being in contact with said slit defining means and the concave surface of said lens being so shaped that it forms a virtual image of said slit having a curvature substantially equal to the curvature of field of said objective system.

2,043,917
EVAPORATOR FOR REFRIGERATING MACHINES
Leonard W. Atchison, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 1, 1934, Serial No. 750,977
20 Claims. (Cl. 62—126)



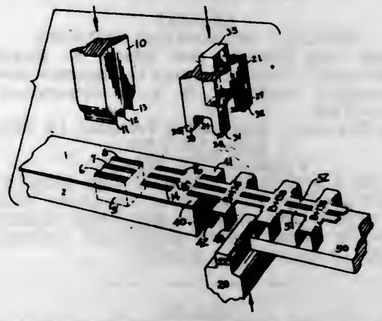
1. A flooded evaporator for refrigerating machines including a pair of headers, means depending below said headers and having a refrigerant circulatory passage formed therein for conveying refrigerant between said headers, means injecting liquid refrigerant into said passage for producing circulation of liquid refrigerant from one of said headers to the other header, said means having a second refrigerant circulatory passage formed therein and communicating with said headers below the normal liquid levels therein for providing a path for the recirculation of liquid refrigerant from said other header to said one header.

2,043,918
STARTING BOX FOR RACING ANIMALS
Willard M. Bacon, Jr., Tampa, Fla., assignor to J. Homer Ellis, Hillsborough County, Fla., and E. J. O'Hare, Dade County, Fla.
Application March 23, 1933, Serial No. 662,339
1 Claim. (Cl. 119—15.5)



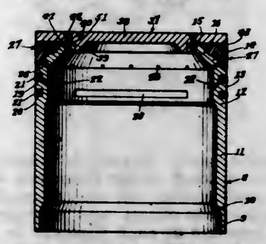
In a structure of the character described having doorways arranged in the same plane and side by side, double swinging doors normally closing the doorways, a guide arranged above the doorways, a coupling rail movable upon the guide, a plunger frame secured to the coupling rail and including a center bar superimposed on the guide, and angle pieces on the bar and overlapping the guide, a plurality of springs distributed along the frame for urging the coupling rail in one direction, eye bolts adjustably carried by the coupling rail, links pivoted to the doors and in the eyes of said bolts for the swinging of such doors to open or closed positions, and means for latching the frame against movement when the doors are closed.

2,043,919
CABLE MARKER STRIP AND METHOD OF MAKING THE SAME
Eskil Bengtson, Crystal Lake, Ill., assignor, by mesne assignments, to Cinch Manufacturing Corporation, Chicago, Ill., a corporation of Illinois
Application April 12, 1935, Serial No. 15,953
2 Claims. (Cl. 40—23)



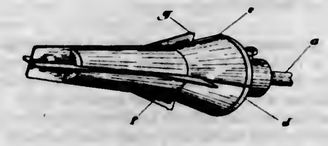
1. A cable marker strip comprising a metallic ribbon having separate marker sections, each section consisting of a narrow strip transverse to the ribbon and occupying the full width of said ribbon, each end of said narrow strip having integral arms extending from each side thereof, said arms being bent perpendicularly to said narrow strip to form U's, and link sections extending from the center portion of said narrow strip on each side thereof and connecting adjacent marker sections.

2,043,920
ENGINE PISTON
John Bezosky, Binghamton, N. Y.
Application December 5, 1935, Serial No. 53,073
2 Claims. (Cl. 309—7)



1. A piston structure comprising a tubular body formed at its leading end with a tapered part merging at its forward end into an inwardly extending part, a head element secured against said inwardly extending part and forming in connection with said tapered part an annular groove, said tapered part being formed with an annular peripheral shoulder and a seat, a split ring element mounted in said groove and provided with means on its inner face to engage said seat and shoulder, said ring element having its cross-sectional contour corresponding with the cross-sectional contour of said groove, and said tapered part rearwardly of its shoulder being formed in its outer periphery with a circumferentially extending row of V-shaped grooves merging into each other and ports at the points of mergence of the grooves of said row, said ports opening into the interior of said body.

2,043,921
DEVICE FOR SPINNING AND FURTHER TREATMENT OF ARTIFICIAL SILK
Otto Bochmann, Remscheid-Lennep, Germany, assignor to North American Rayon Corporation, a corporation of Delaware
Application April 22, 1931, Serial No. 531,905
In Germany April 26, 1930
12 Claims. (Cl. 18—8)

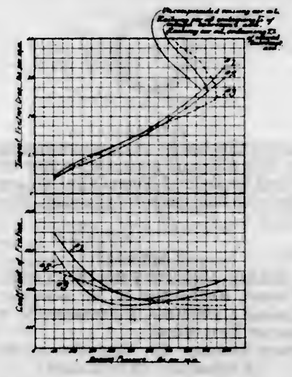


9. Device for winding an artificial filament comprising rotatable means having an outer surface tapered toward one end and including a plurality of slots extending longitudinally from said end and means adapted to be received in said slots and shaped to closely follow the tapered surface and to extend beyond the same during the winding while permitting the filaments to rest at least in part on said surface, said second-named means being adapted to be removed from the first-named means with the filament mass thereon and being capable of supporting the filament mass.

2,043,922
EMULSION OIL COMPOSITION
Arthur W. Burwell, Niagara Falls, N. Y., and Adolf Kempe, Hackensack, N. J., assignors to Alox Corporation, New York, N. Y., a corporation of New York
No Drawing. Application May 14, 1931, Serial No. 537,480
8 Claims. (Cl. 87—9)

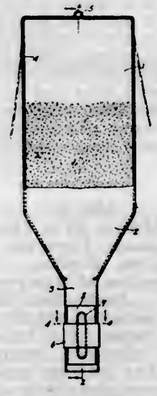
1. Process which comprises treating with an aqueous solution of a caustic alkali a crude reaction mixture of saponifiable and unsaponifiable aliphatic compounds produced by controlled partial oxidation of a mixture of petroleum hydrocarbons in liquid phase and in the presence of an exciter of oxidation at elevated temperature and pressure, said reaction mixture comprising unoxidized hydrocarbons, unsaponifiable oxygen compounds of hydrocarbons, malodorous by-products and saturated aliphatic carboxylic acids, separating the resulting aqueous soap solution from unsaponified material, treating the separated soap solution with alcohol, separating the resulting alcoholic solution from material insoluble therein, and removing alcohol from the product so separated.

2,043,923
LUBRICANT COMPOSITION
Arthur W. Burwell, Niagara Falls, N. Y., assignor to Alox Corporation, New York, N. Y., a corporation of New York
Application January 15, 1934, Serial No. 706,740
2 Claims. (Cl. 87—9)



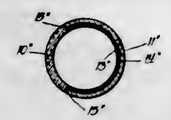
1. A lubricating oil composition comprising a major proportion of a lubricating oil and a minor proportion of a lubricity-increasing agent soluble in said oil, said agent consisting of a mixture of lubricity-increasing oxidation products derived from at least two different petroleum hydrocarbon materials of the group consisting of scale wax, amorphous wax and normally liquid petroleum hydrocarbons.

2,043,924
CONTAINER FOR DRY MATERIAL
William James Norman Cowley, Mount Vernon, N. Y.
Application August 28, 1935, Serial No. 38,315
2 Claims. (Cl. 229—53)



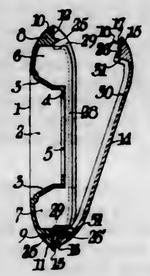
2. A container for dry material, including a receptacle of flexible material having an outlet at its lower end, a spring wire frame located in the receptacle and engaging the walls thereof and holding the receptacle flat and unwrinkled, and means on the frame projecting outside of the receptacle for supporting the same.

2,043,925
GLOW DISCHARGE TUBE
Hirsch Epstein, Chicago, Ill., assignor of twenty-five per cent to Morris L. Epstein and twenty-five per cent to Bernard Epstein, Chicago, Ill.
Application June 22, 1931, Serial No. 545,884
10 Claims. (Cl. 176—14)



1. A glow discharge sign comprising a glass tube of a plurality of strips of different colored glass twisted in helical formation, and means for passing an electric current through the tube.

2,043,926
LEAK LIGHT PROTECTION
Carl C. Fuerst, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application October 19, 1935, Serial No. 45,793
9 Claims. (Cl. 95—32)

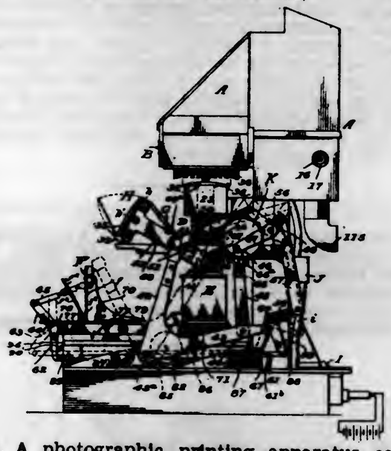


1. In a camera, the combination with a camera body having spool chambers at each end and an opening at the back exposing the spool chambers, of a camera back adapted to close the opening, the camera back and body including a pair of parallel flat walls facing each other and extending beyond the spool chambers, means for attaching the camera body and back supported by said flat walls and complementary shaped interengaging members on the camera body and back for preventing light from entering into the spool chambers.

2,043,927
WELDING ELECTRODE
Edwin W. Kronbach, Cleveland Heights, Ohio, assignor to Una Welding, Inc., Cleveland, Ohio, a corporation of Delaware
No Drawing. Application May 16, 1932, Serial No. 611,636
22 Claims. (Cl. 219—8)

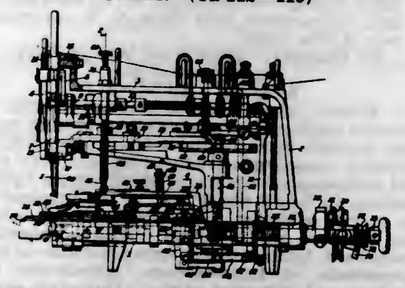
13. A welding electrode comprising a ferrous base rod having two coatings applied thereto, the inner coating comprising a carbonaceous material which burns at substantially the same rate as the base rod melts and produces a reducing atmosphere at the arc, and the outer coating comprising a slag-forming material which burns at such rate that a protective crater is formed at the end of the rod adjacent the arc which restricts the amount of air coming into contact with the burning carbonaceous material.

2,043,928
PHOTOGRAPHIC PRINTING MACHINE OR APPARATUS
Anthony Ludwig, Washington, D. C.
Application September 29, 1933, Serial No. 691,543
47 Claims. (Cl. 88—24)



1. A photographic printing apparatus comprising a relatively movable negative carrier and exposure station, a lamp operatively related to said station and adapted to emit a light having power sufficient to affect a photographically sensitized printing medium, and mechanism under control of the operative of the apparatus for effecting relative movements of the negative carrier and printing station into and out of operative relationship with each other and for automatically illuminating the lamp after relative movement of the carrier and station into operative relationship has been completed and automatically extinguishing the lamp before relative movement of said carrier and station out of their operative relationship begins.

2,043,929
BUTTON SEWING MACHINE
Michael McCann, Ozone Park, N. Y., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application March 15, 1935, Serial No. 11,233
7 Claims. (Cl. 112—110)



1. In a sewing machine, stitch-forming mechanism including a reciprocatory needle, opposed work-clamping members, means yieldingly urging said clamping members into work-clamping position, means for relatively shifting said needle and work-clamping members crosswise of the path of needle-reciprocation, lifting means connected to one of said clamping members and effective to raise said members as a unit in one of the relatively laterally shifted positions of said needle and clamping members, and means restraining one of said clamping members against responding to the action of said lifting means in another relative position of said needle and clamping members.

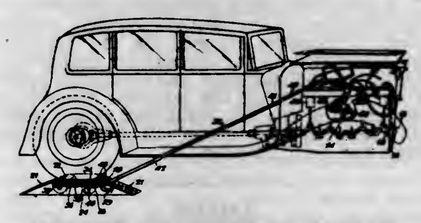
2,043,930
MANUFACTURE OF HYDROCYANIC ACID
Russell W. Millar, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application June 24, 1933, Serial No. 677,463
15 Claims. (Cl. 23—151)

5. A process of producing hydrocyanic acid which comprises heating a saturated aliphatic hydrocarbon to an elevated temperature in the presence of nitrogen and preformed nitric oxide, the ratio of hydrocarbon to nitric oxide being at least 3.5:1 and the ratio of nitrogen to nitric oxide being at least 3.5:1 in the substantial absence of water.

11. A process of producing hydrocyanic acid which comprises heating a saturated aliphatic hydrocarbon to at least about 1200° C. in the presence of nitrogen, preformed nitric oxide and and sillimanite in the substantial absence of water.

15. A process of producing hydrocyanic acid which comprises oxidizing ammonia with an amount of oxygen-containing gas so as to obtain a mixture of nitrogen and an oxide of nitrogen, substantially removing the water content thereof, subsequently adding thereto natural gas and heating the mixture to an elevated temperature until substantial conversion of hydrocarbon to hydrocyanic acid is attained.

2,043,931
MOTOR TIMING METHOD AND APPARATUS
John D. Morgan, South Orange, N. J., assignor to Doherty Research Company, New York, N. Y., a corporation of Delaware
Application August 15, 1933, Serial No. 685,219
4 Claims. (Cl. 177—311)

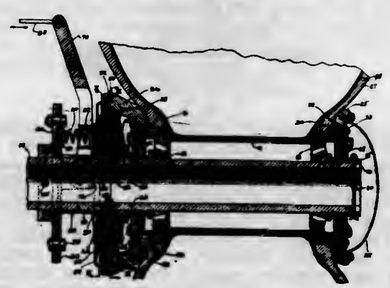


1. In checking the ignition timing of an internal combustion engine equipped with an automatic spark advance attachment, the steps comprising, hand-cranking the engine with its ignition off to bring one of its pistons to a predetermined fixed firing position for idling speed in advance of top dead center on compression stroke, checking the interrupter points which control supply of induced high voltage electric current to the ignition element of the cylinder in which said piston is mounted to see that their separation causes current to flow to said device at the instant that the piston reaches said advanced firing piston on compression stroke, applying adjacent oppositely disposed chalk marks respectively to a moving part of the motor and to a stationary part to mark said fixed advance firing position, placing the motor in operation with the ignition on, intermittently illuminating a stroboscopic lamp by means of the secondary high voltage current flowing to the ignition device, and observing the relative position of the moving reference mark on the motor with respect to the stationary index mark when viewed in the illumination field of said lamp while operating the motor at a predetermined high speed.

2,043,932
PRODUCTION OF HALOGENATED ORGANIC COMPOUNDS
Arthur Ferdinand August Reynhart, Velsen-Noord, Netherlands, assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application August 5, 1935, Serial No. 34,795. In the Netherlands February 2, 1935
20 Claims. (Cl. 260—166)

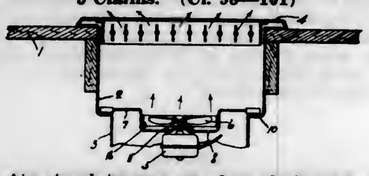
1. A process for the production of valuable halogen addition products of unsaturated organic compounds which comprises reacting an unsaturated organic compound wherein the unsaturation is between two aliphatic carbon atoms with a halogen in the presence of a halogenation catalyst essentially comprising a complex metal cyanide.

2,043,933
BRAKE
Ralph W. Sohl, Akron, Ohio, assignor, by mesne assignments, to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application April 29, 1932, Serial No. 606,232
13 Claims. (Cl. 188—18)



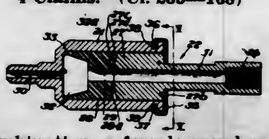
1. In combination, a fixed axle, a hub journaled on the axle, a tire mounted directly on the hub, an anchor bracket fixed to the axle at one side of the hub, a plurality of braking discs surrounding the anchor bracket and having axial but non-rotative movement thereon, a laterally extending circular flange on the hub, a plurality of braking plates carried by, but internally of, the hub flange and having axial but non-rotative movement with respect to said hub, said braking plates and discs being interposed with respect to each other, an adjustably fixed abutment at one end of the interposed plates and discs and carried by said anchor bracket, and means at the other end of the interposed plates and discs for clamping the same together, said means including a lever pivoted on the anchor bracket and having a cam surface contacting with the interposed plates and discs.

2,043,934
HOT AIR APPARATUS
Walter A. Spear, Cincinnati, Ohio, assignor to Victor Electric Products, Inc., Cincinnati, Ohio, a corporation of Ohio
Application December 3, 1932, Serial No. 645,573
5 Claims. (Cl. 98—101)



1. Air circulatory means for a hot air register having a conduit through which hot air is supplied for distribution through a closure grille therefor, said means including the combination of an electric fan to be mounted within the register conduit for discharge of air through the grille, with a mounting therefor including a resilient supporting bar extending transversely of the register conduit adapted to rest at opposite sides thereof independently of the grille, rubber sleeves enclosing the rested portions of said bar, said bar having a medial U shaped bight formed therein to which the motor of the electric fan is attached, and a ring surrounding the propeller blades of the electric fan and attached to the sides of the U shaped bight for confining and directing the air discharged from the propeller blades through the grille.

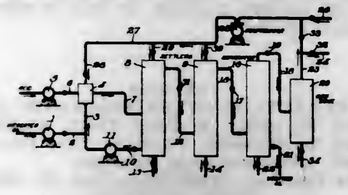
2,043,935
CURING CONNECTION
Clyde E. Stebbins, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
Application November 30, 1932, Serial No. 645,023
4 Claims. (Cl. 285—168)



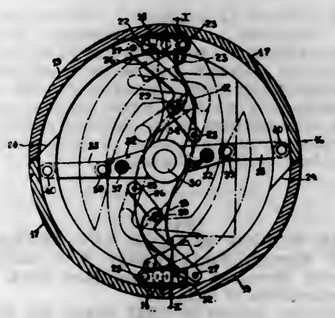
1. In combination, a female member having a bore with end and side walls, a male member insertable therein and of a cross-section substantially that of said bore, a cup-shaped packing having a thin, readily flexible lip arranged in said female member with said lip extending away from said male member, the bottom thereof contacting with said male member, and means for holding said male member against longitudinal displacement away from said packing but exerting a sufficient clamping force on said packing to force the lip against the end wall of said bore to deform the same inwardly and make a portion thereof lie against said end wall, said side and end wall being connected by a curved portion against which said lip lies and by which it is deformed under the clamping pressure, and said deformed lip lying closely against said curved portion of said end wall.

2,043,936
ART OF REFINING HYDROCARBON OILS
Le Roy G. Story, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application October 15, 1932, Serial No. 637,868
8 Claims. (Cl. 196—40)

1. In a process of purifying hydrocarbon oils by acid treatment with sulfuric acid, the improvement which comprises intimately contacting the oils and acid at temperatures normally used in acid treating operations to effect removal of undesirable impurities by reaction and extraction by the acid while maintaining the reacting materials under a superatmospheric pressure of the order of about 300–3000 lb. per sq. in.



2,043,937
COLLAPSIBLE CHUCK
Edwin G. Templeton, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application April 15, 1930, Serial No. 444,544
11 Claims. (Cl. 154—9)



7. A collapsible shuck comprising segments normally arranged in substantially circular configuration, a rotatable support for the segments, means mounted on the support for collapsing a plurality of the segments, and collapsing means for the remainder of the segments operable by engagement of the first mentioned means therewith after the operation of the first mentioned means has been initiated.

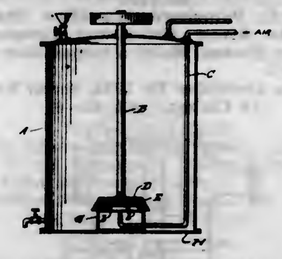
2,043,938
METHOD OF PRODUCING MOLDED PRODUCTS
Herman R. Thies, Akron, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application August 16, 1933, Serial No. 685,415
2 Claims. (Cl. 18—48.3)

1. The method of producing molded products from thermoplastic condensation derivatives of rubber which comprises plying up differently colored sheets of such material, certain sheets having a higher softening point than other sheets, and then subjecting a section of the composite sheet thus formed to molding.

2,043,939
VULCANIZATION OF RUBBER
Herman R. Thies, Kent, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application January 31, 1935, Serial No. 4,311. In Australia July 2, 1932
14 Claims. (Cl. 18—53)

1. A vulcanizable rubber composition retarded as to vulcanization at prevulcanization temperatures and vulcanizable at elevated temperatures, including a vulcanizing agent, a semi-ultra or ultra accelerator, and alpha poly oxy methylene.

2,043,940
APPARATUS FOR THE MANUFACTURE OF YEAST
Emile van Thiel, Compiegne, France, assignor to Naamloose Vennottschap Industriecle Maatschappij Voorheen Noury and van der Lande, Deventer, Netherlands, a company of the Netherlands
Application January 19, 1934, Serial No. 707,387
In the Netherlands January 11, 1933
1 Claim. (Cl. 195—142)

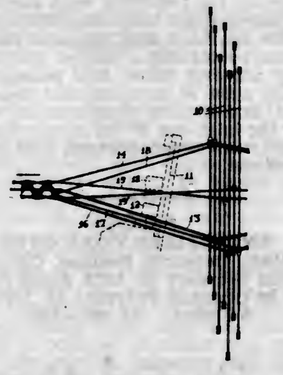


An apparatus for propagating yeast in a nutrient liquid medium which comprises a receptacle for containing a bulk of such liquid medium carrying yeast, and means for introducing air into said receptacle at below a nested inverted-dish-shaped stator-rotor combination located in the lower portion of said receptacle, in which there is provided an inverted-dish-shaped stator having perforations in its down-turned flange, and an inverted-dish-shaped rotor of a slightly larger diameter than said stator and being located only slightly above said stator, the inverted-dish-shaped rotor also having perforations in its down-turned flange, the down-turned flange of the rotor surrounding and spaced only slightly away from the down-turned flange of said stator, and means for rotating said rotor at high speed for producing centrifugal comminution of the air into said liquid mixture, whereby a volume of air can be very thoroughly incorporated into the said bulk of nutrient medium, and whereby a small volume of air can serve to aerate a large volume of the liquid mixture with the expenditure of only a small amount of power.

2,043,941
REPELLENT AND/OR FUMIGANT
Evan Clifford Williams, Berkeley, Calif., assignor to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application November 18, 1933, Serial No. 698,502
17 Claims. (Cl. 167—22)

17. As a fly repellent, fumigant and the like, a preparation containing as an active ingredient a member of the class consisting of unsaturated organic sulfides and polysulfides possessing an olefinic linkage in an aliphatic chain, said sulfur compounds possessing boiling points above that of corresponding allyl compounds whereby the former remain for some time on the subject being treated while still being volatile enough to give off vapor under conditions of operation.

2,043,942
PROCESS OF WEAVING LOOP PILE FABRICS
William T. Wilson, Philadelphia, Pa., assignor of one-half to James A. Fligg, Philadelphia, Pa.
Application March 5, 1934, Serial No. 714,054
7 Claims. (Cl. 139—21)



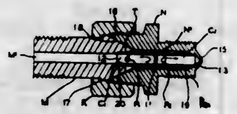
2. The method of weaving two loop pile fabrics simultaneously and in face to face relationship, consisting in shedding base and pile warp threads to form upper and lower sheds, shedding a gauge alternately between the upper side of the upper shed and the lower side of the lower shed, throwing two weft threads simultaneously through said two sheds after each change of the sheds and beating up the weft threads.

2,043,943
BINDING ATTACHMENT FOR SEWING MACHINES
James E. Ackerman, Devon, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application March 2, 1935, Serial No. 9,011
4 Claims. (Cl. 112—137)



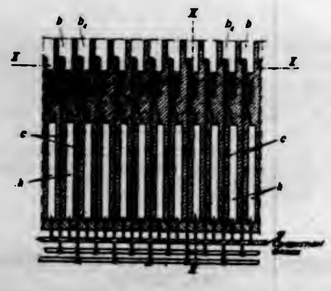
1. A binding attachment for sewing machines comprising, a body-material supporting apron, a body-material-edge guiding wall provided upon and disposed substantially normal to said apron, said wall having a free upper edge inclined downwardly toward the plane of said apron in a direction toward the delivery end of said attachment, guiding means underlying said apron for a binding-margin, and a backing-member having a concave binding-guiding face opposed to and spaced from said wall at the side thereof opposite to said apron, said backing-member face being lengthwise inclined toward the delivery end of said wall.

2,043,944
INLET NIPPLE TRAP
Harry J. Baker and Charles Ness, Indianapolis, Ind., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application January 26, 1933, Serial No. 653,682
8 Claims. (Cl. 183—75)



1. A device for removing solid particles from flowing gaseous fluids comprising the combination of a nipple having a fluid passage; and entrapping means comprising a tubular cylinder fitting tightly at one end within said passage and being axially open at said end and closed at the other end; said cylinder being provided with ports closer to the inlet end of the nipple than to said closed end and closed between said ports and said closed end.

2,043,945
UNDERFIRED COKE OVEN
Wilhelm Beimann, Bochum, Germany
Application February 25, 1933, Serial No. 658,530
In Germany February 25, 1932
5 Claims. (Cl. 202—141)

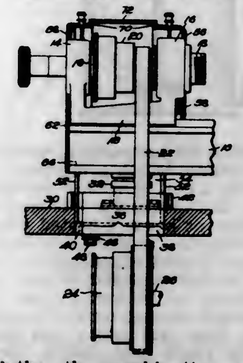


1. In a coke oven, the combination with a series of alternating coking chambers and heating walls therefor arranged side by side in a row, vertical heating flues in and distributed longitudinally of each heating wall, regenerator division walls one beneath and parallel to each heating wall, regenerators between each two adjacent division walls, a regenerator connection communicably connecting the lower end of each flue and a regenerator, some of the flues in each heating wall being so communicably connected to a regenerator at one side, and the remaining flues in said wall being so communicably connected to a regenerator at the other side of the subjacent division wall, and the flues in said heating wall being communicably connected at their upper ends for flow between the said regenerators at opposite sides of said subjacent division walls through said flues and the regenerator connections to their lower ends, means for supplying fuel gas to the lower end of each flue, and means for supplying combustion gases to the lower end of each flue comprising a supply channel extending upwardly through the subjacent division wall into communication with the flue.

2,043,946
METHOD OF DEHYDRATING CELLULOSE DERIVATIVES AND PRODUCTS THEREFROM
Franklin A. Bent and William Engs, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application May 8, 1934, Serial No. 724,620
7 Claims. (Cl. 260—148)

1. The method of dehydrating cellulose compounds of the class consisting of esters, ethers and ether-esters which comprises treating such a compound containing water with an alcohol selected from the group consisting of saturated aliphatic tertiary alcohols and unsaturated aliphatic alcohols capable of dissolving a substantial amount of water, which amount of water is materially greater than is capable of being removed by the analogous saturated aliphatic primary and secondary alcohols containing the same number of carbon atoms to the molecule.

2,043,947
LATHE
Frederick C. Blanchard, Brookline, Mass., assignor to Rivett Lathe and Grinder, Inc., Brighton, Boston, Mass., a corporation of Massachusetts
Application December 18, 1935, Serial No. 55,078
18 Claims. (Cl. 82—6)



1. In a lathe, the combination of a bed, a headstock supported by said bed, a spindle supported by said headstock, a pulley secured to said spindle, a second pulley below said bed, a belt connecting said pulleys and having its leads extending across the front and rear, respectively, of said headstock and said bed, and an enclosure about said headstock, about the first-mentioned pulley and about the upper portions of said belt leads.

2,043,948
PROCESS FOR MAKING HALOGEN-SUBSTITUTED THIAZOLES
Albert M. Clifford, Stow, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application November 6, 1933, Serial No. 696,837. In Canada June 22, 1931
10 Claims. (Cl. 260—44)

1. The method of manufacturing 1-chlor benzothiazole which comprises heating 1-mercaptobenzothiazole in the absence of extraneous solvents with sulphur mono chloride.

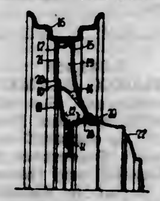
2,043,949
METHOD OF PREPARING ORGANIC DISULPHIDES
Howard I. Cramer, Cuyahoga Falls, Ohio, assignor to Wingfoot Corporation, Akron, Ohio, a corporation of Delaware
No Drawing. Application April 7, 1934, Serial No. 719,597
13 Claims. (Cl. 260—16)

1. A method of preparing aryl thiazyl disulphides which comprises oxidizing the corresponding thiazyl mercaptide with ammonium persulphate.

2,043,950
CATALYTIC OXIDATION OF KETOLS
Martin de Simó and Sumner H. McAllister, Berkeley, Calif., assignors to Shell Development Company, San Francisco, Calif., a corporation of Delaware
No Drawing. Application September 22, 1934, Serial No. 745,106
18 Claims. (Cl. 260—134)

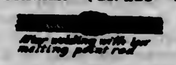
1. A process for the oxidation of a ketol of the class which consists of primary and secondary ketone alcohols, to a compound containing a carbonyl group in place of a carbinol group, which comprises reacting said ketol with free oxygen in the presence of a solid oxidizing catalyst.

2,043,951
VEHICLE WHEEL
Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application June 7, 1932, Serial No. 615,887
8 Claims. (Cl. 301—64)



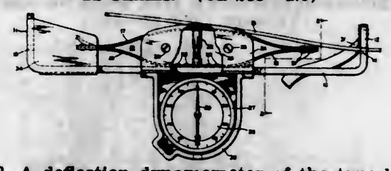
1. A vehicle wheel comprising, in combination, a single stamping embodying channel section spokes and a nave portion, a reinforcing member interconnecting said spokes and said nave portion, said reinforcing member having portions thereof indented outwardly into interlocking relationship with respect to the said spokes, and a separate metallic cap closing the open side of each spoke and secured to the edges of said spoke and to the indented portions of said reinforcing member.

2,043,952
PROCESS OF WELDING MATERIAL
Paul D. Ffield, Akron, Ohio, assignor to Goodyear-Zeppelin Corporation, Akron, Ohio, a corporation of Delaware
Application October 17, 1931, Serial No. 569,426
5 Claims. (Cl. 113—112)



1. The method of welding steel, using a welding rod of a steel of lower melting point than the base metal, which comprises heating the base metal to a temperature just below its melting point, thereafter causing molten metal from the welding rod to flow over the base metal and exclude the atmosphere from contact with the base metal in the region of the weld and melting the base metal after it has been covered with the molten metal from the welding rod.

2,043,953
DEFLECTION DYNAMOMETER
Edwin R. Harrall, Englewood, and Robert D. Parrott, West New York, N. J., assignors to The Western Union Telegraph Company, New York, N. Y., a corporation of New York
Application March 17, 1934, Serial No. 716,132
11 Claims. (Cl. 265—1.6)



2. A deflection dynamometer of the type having a beam provided with means at its ends to embrace a portion of a wire, the tension of which is to be measured, and a spring of elliptical type rigidly secured to said beam, said spring being formed with upper and lower members of ribbon metal stock of substantially uniform section, the outer ends of the respective members being secured together so as to form a spring unit, said unit being secured so that its uppermost portion is in disalignment with said wire embracing means and in position to deflect the embraced portion of the wire by engaging said embraced portion substantially centrally thereof.

2,043,954
SEPARATIVE DIAPHRAGM FOR ELECTROLYTIC CELLS AND PROCESS FOR PRODUCING THE SAME
William E. Kershaw, Gwynedd Valley, Pa., assignor to The Electric Storage Battery Company, Philadelphia, Pa., a corporation of New Jersey
No Drawing. Application January 2, 1931, Serial No. 506,326
3 Claims. (Cl. 18—53)

1. A porous separator and retainer for storage batteries permeable to an electrionic flow and substantially non-hydrolyzable in a storage battery and comprising in major part particles of diatomaceous earth in spaced relationship providing pores and bonded to form a solid mass by scattered particles of vulcanized rubber latex.

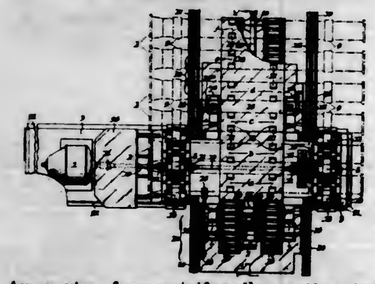
2,043,955
METHOD OF MAKING MATRICES
Ransom H. Turner, Little Neck, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a corporation of New York
Application July 29, 1933, Serial No. 682,861
7 Claims. (Cl. 199—64)



1. The method of making a matrix for typographical machines, having a body with parallel edges and sides and a V-shaped web at the upper end of the body provided with oppositely disposed distributing teeth with flat undersides,

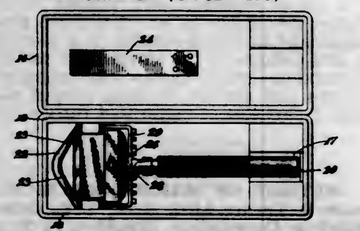
which comprises cutting in a side of the matrix a recess having a conical base to simultaneously form by the walls of said base the flat undersides of the lowermost teeth and a wall perpendicular to the teeth, and to form by the sides of said recess a cavity with side walls angular to the edges and sides of the matrix and to the teeth in said web.

2,043,956
CENTRIFUGAL CASTING MACHINE
Louis A. Camerota, Burlington, N. J., assignor to Florence Pipe Foundry & Machine Company, Florence, N. J., a corporation of New Jersey
Application February 8, 1935, Serial No. 5,602
7 Claims. (Cl. 22—65)



4. Apparatus for centrifugally casting hollow metal bodies comprising a casting bed having bearings for supporting a rotary flask, and a conveyor for transporting a flask to and from said bearings; said conveyor including a vertically movable frame bridging the casting bed transversely below the level of said bearings, a horizontally movable flask carrier thereon, and means for reciprocating said carrier including an operating cylinder incorporated within and carried by said frame.

2,043,957
RAZOR BLADE SHARPENING DEVICE
Hugh De Haven, New Canaan, Conn., assignor to De Haven Razor Corporation, a corporation of Delaware
Application June 20, 1930, Serial No. 462,519
17 Claims. (Cl. 51—158)



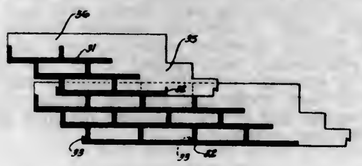
1. In a device of the class described, a holder for a razor blade, a container capable of receiving the blade and the holder and in which they are mounted for reciprocation when the container is shaken, a sharpening element within the container the sharpening portions of the surface of which are in a plane and which surface is arranged to contact at non-continuous points with the blade edge and upon which the blade may reciprocate with the side of the blade in contact with the sharpening element, there being relative sharpening movement of the blade and element across the blade edge, and means to prevent the blade edge from striking the container.

2,043,958
KNITTING DEVICE
Eugene Engel, New York, N. Y., assignor to Bernhard Ulmann Company, Inc., New York, N. Y., a corporation of New York
Application August 3, 1935, Serial No. 34,545
1 Claim. (Cl. 66—117)



A circular knitting device comprising a body having little inherent resistance to bending or flexing, a pair of straight needles, each needle having a knitting point at the free end thereof, curved shanks joining the needles and the body portion, the straight portions of the needles being greater in length than the width of the knitter's hands, said shanks when the knitting device is in knitting position with knitting carried by the body portion, lying entirely beyond the knitter's hands with the knitting hanging downwardly, the curved shank portion shaping the ends of the body portion in a generally arcuate configuration and maintaining the body portion and the work in such configuration to permit inspection of the knitting loops formed upon said body portion.

2,043,959
BUILDING ELEMENT
Norman P. Harshberger, Scarsdale, N. Y., assignor to Bakelite Building Products Co. Inc., New York, N. Y., a corporation of Delaware
Original application September 20, 1930, Serial No. 483,310. Divided and this application October 10, 1932, Serial No. 636,972
3 Claims. (Cl. 108—7)



1. A building element comprising a base strip, a wear resistant surfacing layer extending over the base strip on the face of the element to be exposed when laid, and a design formed on said surfacing layer simulating the spaces between and surrounding a plurality of completed configurations, said design comprising an adhered layer of coloring material of contrasting visual effect with the configurations, a portion of the design located between the ends of a configuration and extending without the configurations whereby to provide marker means for the vertical and horizontal positioning of overlapping elements in assembly to create a continuous area of staggered simulated configurations.

2,043,960
ELECTRIC WELDING
Lloyd Theodore Jones, Harry Edward Kennedy, and Maynard Arthur Rotermund, Berkeley, Calif., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application October 9, 1935, Serial No. 44,142
29 Claims. (Cl. 219—10)

1. The process of electric welding which comprises the steps of juxtaposing an electrode and a conductive member on which metal is to be deposited; establishing between said member and said electrode a conductive path of a high-resistance melt of chemically stable fusible material having at welding temperatures substantially the fluidity and electrical conductivity of a fusible silicate, and substantially free from substances capable of evolving large amounts of gases during welding; passing through said melt an electric current of sufficient strength to maintain its conductivity, progressively melt the required amount of metal, and cause the resulting molten metal to coalesce with said member; and maintaining said melt in contact with said electrode throughout the welding operation to avoid the formation of a substantial air-conducted electric arc between the electrode and the said conductive member.

12. A process of electric welding which comprises the steps of juxtaposing a metal electrode and a conductive member on which metal is to be deposited; establishing between and in contact with said member and said electrode a conductive melt of fusible silicate, substantially free from substances capable of evolving gases when fused in contact with the metal to be deposited; and passing through said melt an electric current of sufficient magnitude to maintain the conductivity, progressively melt the said electrode and cause the resulting molten metal to coalesce with said member.

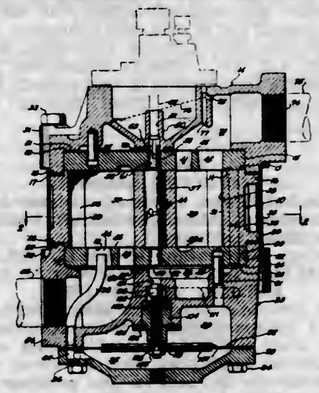
2,043,961
LUBRICANTS
Gus Kaufman, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application March 11, 1933, Serial No. 660,441
2 Claims. (Cl. 87—9)

1. A sulfur base, soluble in hydrocarbon oils, consisting essentially of pine oil and sulfur, the latter present in an amount ranging between 5 and 25% and incorporated in the oil under superatmospheric pressure, said base having an improved odor and precipitating less sulfur on storage and on cooling than a base containing sulfur incorporated therein under atmospheric pressure.

2,043,962
LUBRICANTS
Gus Kaufman, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application March 21, 1934, Serial No. 716,647
3 Claims. (Cl. 87—9)

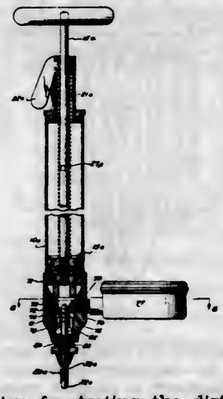
1. A sulfur base, largely soluble in hydrocarbon lubricating oils, consisting essentially of a residuum obtained from the distillation of a pine oil sulfurized under superatmospheric pressure, said residuum consisting of a minor portion of said sulfurized pine oil and containing about 25–30% sulfur.

2,043,963
FLUID METER
Porter S. Morgan, New York, N. Y., assignor to Liberty Share Corporation, Buffalo, N. Y.
Application June 14, 1934, Serial No. 730,597
2 Claims. (Cl. 73—253)



1. A fluid meter comprising a rotor chamber, upper and lower head members closing the ends of said chamber, a rotor disposed in said chamber, an inlet port formed in said upper head for admitting fluid to one part of said chamber and rotor, a discharge port formed in said lower head for receiving fluid from said chamber, said upper head being formed adjacent said inlet port with a conduit spaced from and extending toward said chamber and a second conduit in communication with said first named conduit, said second conduit extending toward said inlet port, whereby air entrapped in said head will be aspirated and dispersed through liquid passing through said chamber.

2,043,964
DIRT INDICATOR FOR LUBRICATING OIL
Edwin A. Piel, Buffalo, N. Y., assignor to Clardon Corporation, Buffalo, N. Y.
Application February 1, 1934, Serial No. 709,362
11 Claims. (Cl. 73—51)



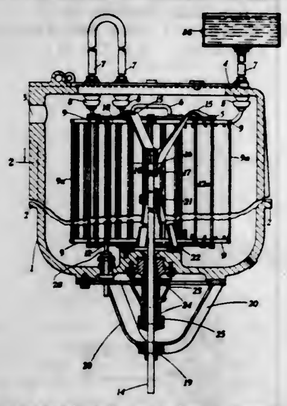
7. Apparatus for testing the dirt content of liquid, comprising a cylinder, a piston in said cylinder, a piston rod connected to the piston and extending beyond one end thereof, a spring disposed between the said end of the cylinder and the piston whereby the piston is normally urged

toward the opposite end of the cylinder, a conduit formed at said opposite end, a movable loosely fitting valve disposed in the conduit, a spring for holding said valve in place, said valve when so held providing a restricted passage into said cylinder, a supply tube connected to the lower end of the cylinder and communicating with said passage, a plunger rod in said tube connected to said valve, whereby the extent of restriction may be varied at will, and pressure responsive means for indicating the clogging of said passage by dirt particles contained in liquid flowing therethrough.

2,043,965
PRODUCING AMINES
Karl Smeykal, Leuna, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application October 17, 1934, Serial No. 748,716. In Germany October 21, 1933
6 Claims. (Cl. 260—127)

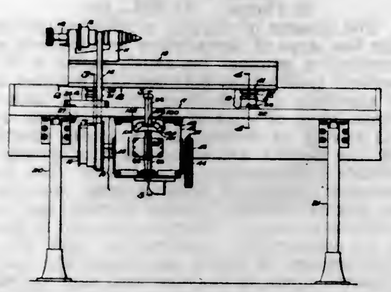
1. The process of producing amines containing at most 1 hydrogen atom directly attached to a nitrogen atom which comprises causing an aliphatic alcohol having at least 8 carbon atoms in the molecule to react in the presence of a catalyst capable of splitting off water at a temperature above about 200° C. under a pressure of at least 50 atmospheres with an aliphatic amine containing at least 1 hydrogen atom directly attached to a nitrogen atom, any alkyl radicle of the said amine containing at most 5 carbon atoms.

2,043,966
APPARATUS FOR DEPOSITING METAL BY ELECTRODE DISPERSION
Harold Walter Whiston, Macclesfield, and George Arthur Balfour McIvor and Friedrich Wilhelm Nikolaus Thein, London, England, assignors to Kathon Limited, London, England, a company of Great Britain
Application December 16, 1935, Serial No. 54,760 In Great Britain April 21, 1934
8 Claims. (Cl. 91—12.2)



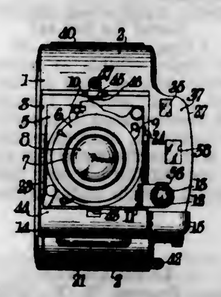
1. An apparatus for coating a length of thread with metal by cathodic dispersion comprising a vacuum chamber, a support mounted within said chamber and shaped to carry the thread fixedly disposed thereupon and to contact therewith only at relatively widely spaced small areas thereof, and a plurality of electrodes mounted within said chamber comprising a plurality of cathodes mounted on opposite sides of the thread.

2,043,967
LATHE
Frederick C. Blanchard, Dorchester, Boston, Mass., assignor to Rivett Lathe & Grinder Corporation, Boston, Mass., a corporation of Massachusetts
Application November 15, 1932, Serial No. 642,728
11 Claims. (Cl. 82—2)



1. The combination with a lathe comprising a bed, a head-stock, a spindle, and a pulley thereon, of a support beneath, spaced from and supporting said bed, power transmitting mechanism below said support and comprising a shaft, bearings for said shaft, and an overhanging pulley on said shaft, outside said bearings and beneath the first-mentioned pulley, and a belt connecting said pulleys, said support being provided with a single opening through which both leads of said belt extend, thereby to permit removal and replacement of said belt to be accomplished by passing said belt bodily through said opening.

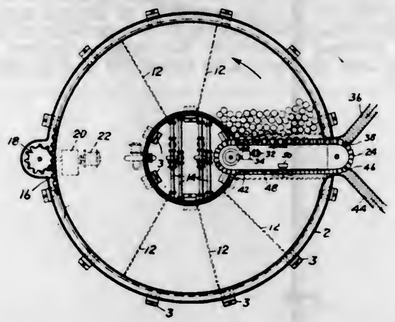
2,043,968
CAMERA CONSTRUCTION
Chester W. Crumrine, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application October 31, 1935, Serial No. 47,650
7 Claims. (Cl. 95—44)



1. In a camera of the folding type, the combination with a body of substantially rectangular shape having an opening in one side, of a bed hingedly attached to said body along an edge of said opening adapted to close said opening, a supplemental housing carried by the camera body adjacent a side of said opening and adapted to enclose parts of a range finder, and an extension on the bed offset from one side thereof adapted to cover the supplemental housing carried by the camera body.

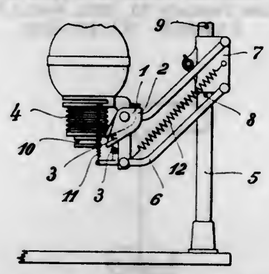
2,043,969
PROCESSING APPARATUS
Alfred J. Kutchera, Philadelphia, Pa.
Application February 11, 1933, Serial No. 656,247
6 Claims. (Cl. 198—103)

1. In combination, a movable table for progressing containers, a conveyor moving across the table transversely to the path of movement thereof arranged to receive containers from the table,



means for intermittently moving the table, and means for moving the conveyor continuously at periodically varying speeds.

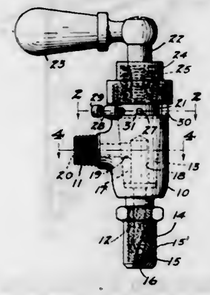
2,043,970
ENLARGEMENT APPARATUS WITH AUTOMATIC FOCUSING DEVICE
Christian Luz, Wetzlar, Germany, assignor to Ernst Leitz G. m. b. H., Wetzlar, Germany
Application February 16, 1935, Serial No. 6,893 In Germany February 19, 1934
1 Claim. (Cl. 88—24)



An enlargement apparatus comprising an objective carrier having two spaced openings, and a bellows, a standard, a holder bracket adjustably arranged on said standard between two stop pins, means to lock said bracket in any of its adjusted positions, a system of parallel spaced levers having one of their ends attached to said bracket and the other to a bracket on the enlargement apparatus, a spring to cushion the movements of said levers, a pair of cams of varying size having their upper parts pivotally secured at the turning point of said lever system, and a pin adapted to be placed into one and the other of the openings in the objective carrier to be alternately engaged by one or the other of said cams to vary the focus by alternating the distance between the objective and the object to be enlarged according to the position of the pin in one or the other of the openings in the objective carrier and its engagement by one or the other of said cams, and a spring for limiting the bellows extension.

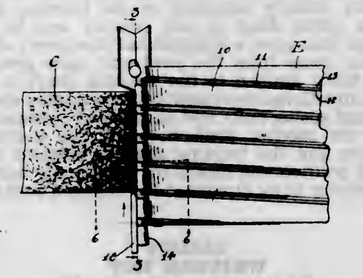
2,043,971
GAS COCK
John T. Marvin, Cleveland, Ohio, assignor to The Cleveland Heater Company, Cleveland, Ohio, a corporation of Ohio
Application November 4, 1933, Serial No. 696,691
1 Claim. (Cl. 251—163)

A gas cock including relatively fixed and movable members, said members having passageways arranged for registration and non-registration with one another, stops for limiting the movement of the movable member, said members when in one limited position having their passageways in non-registering position and when in the opposite limited position having their passageways in fractional registering position, said passageways being in substantial complete registration when the movable member is positioned intermediate the positions limited by the stops, a sur-



mountable obstruction on said fixed member intermediate the stops for yieldingly resisting movement of the movable member when said passageways are in substantial complete register with one another, a single projection carried by said movable member and engageable with said limiting stops and with said surmountable obstruction, and means for moving the movable member from one limited position and beyond the intermediate position and to the other limited position.

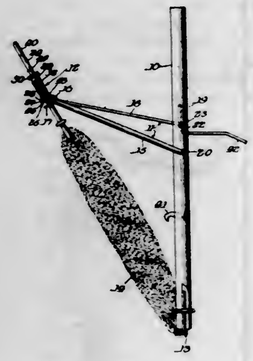
2,043,972
CENTERLESS GRINDING MACHINERY
George E. Merryweather, Cleveland, Ohio, assignor to Motch & Merryweather Machinery Company, Cleveland, Ohio, a corporation of Ohio
Application March 2, 1925, Serial No. 12,493
15 Claims. (Cl. 51—103)



6. A centerless grinder including opposed work grinding and regulating members forming a work receiving throat therebetween, a support disposed within the throat, a work-supporting shoe

mounted on the support and movable transversely of the throat, and means on the regulating member for imparting transverse movement to the supporting shoe.

2,043,973
WRINGER MOP
John L. Nilson, Chicago, Ill.
Application July 22, 1935, Serial No. 32,525
4 Claims. (Cl. 15—120)

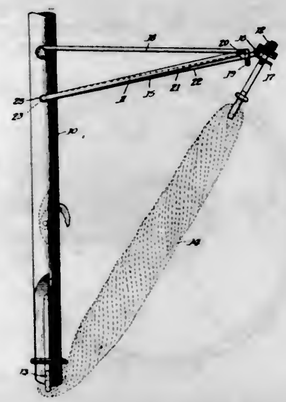


2. In a wringer mop, a torque arm construction comprising an elongated handle, a torque arm pivoted transversely to said handle to swing toward and away from said handle, a retaining rod pivotally connected at its outer end to the outer end of said torque arm, a staple fixed to said handle at a point offset from the pivot point of said torque arm, the inner end of said retaining rod slidable in said staple, so that said retaining rod is laterally swingable with respect to said handle, said retaining rod having an offset portion adapted to engage a leg of said staple for holding the wringing mechanism of the mop in fixed wringing position.

4. In a wringer mop, a wringing mechanism for twisting a swab comprising a U-shaped member, a twisting shaft passing through both legs of said U-shaped member, one face of said U-shaped member formed with integral ratchet projections, a slidable pawl keyed to said twisting shaft, said slidable pawl placed opposite to the ratchet projections of the U-shaped member so as to engage the same upon rotation of the twisting shaft, a selector slidably mounted on the twisting shaft and a spring fixed to said selector and to said pawl so that upon a longitudinal movement of the selector away from the pawl and upon pressure then being applied to the twisting shaft in the same directional movement of the wringing operation said spring pulls said pawl out of engagement with the ratchet projections of the U-shaped member and the twisting shaft is released from a held position and means for frictionally holding the selector in its disengaged or engaged positions.

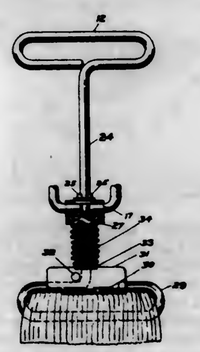
2,043,974
WRINGER MOP
John L. Nilson, Chicago, Ill.
Application October 16, 1935, Serial No. 45,298
7 Claims. (Cl. 15—120)

1. In a wringing mechanism of the mop a torque arm construction for retaining the wringer mop in wringing position comprising an elongated handle, a torque arm pivoted transversely to said handle to swing toward and away from said handle, and a retaining rod pivotally



connected on one end to said handle at a point offset from the pivot point of said torque arm, and having its other end loosely slidably mounted on said torque arm.

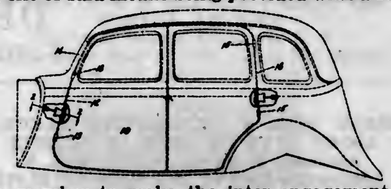
2,043,975
COMBINATION WRINGING MECHANISM AND SWAB HOLDER LOCK FOR WRINGER MOPS
John L. Nilson, Chicago, Ill.
Application January 25, 1936, Serial No. 60,830
5 Claims. (Cl. 15—120)



5. A wringing mechanism for a mop comprising a twisting shaft, and means on said twisting shaft for creating frictional interruptions during the wringing operation, said twisting shaft continuing below said means to form a swab holding loop having an opening, in combination with a locking member for normally closing said opening, and a resilient member interposed between and contacting both said frictional means and said loop for the double function of exerting pressure on the frictional means on one end and the locking means on the other end.

2,043,976
COMBINED DOOR-HOLDING AND DOOR-CHECKING DEVICE
Rudolph I. Schonitzer, Cleveland, Ohio
Application February 28, 1935, Serial No. 8,621
19 Claims. (Cl. 16—86)

1. A device for releasably retaining in open position a door member hinged on a supporting member, said device comprising an arm adapted to be secured to one of said members, projecting means carried by said arm within the other of said members, and retaining means adapted to be secured to said last mentioned member for engaging and releasably retaining said arm projecting means upon opening of said door member, one of said means being provided with a roll-



able member to make the inter-engagement of said two means of rolling character.

DESIGNS

JUNE 9, 1936

99,919
DESIGN FOR A DECORATIVE ELECTRIC LIGHT BULB OR SIMILAR ARTICLE
Abraham Abramson, New York, N. Y.
Application April 13, 1936, Serial No. 62,078
Term of patent 7 years



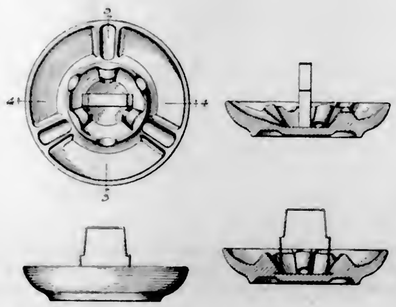
The ornamental design for a decorative electric light bulb, or similar article, as shown.

99,920
DESIGN FOR A DECORATIVE ELECTRIC LIGHT BULB OR SIMILAR ARTICLE
Abraham Abramson, New York, N. Y.
Application April 13, 1936, Serial No. 62,083
Term of patent 7 years



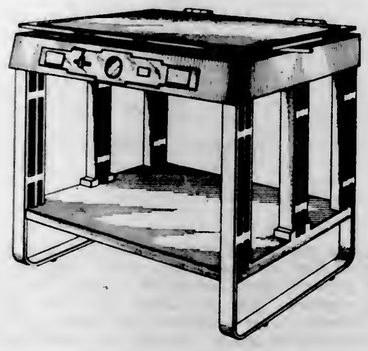
The ornamental design for a decorative electric light bulb, or similar article, as shown.

99,921
DESIGN FOR AN ASHTRAY
Albert E. Adams, Scranton, Iowa
Application April 2, 1936, Serial No. 61,914
Term of patent 3½ years



The ornamental design for an ashtray, as shown.

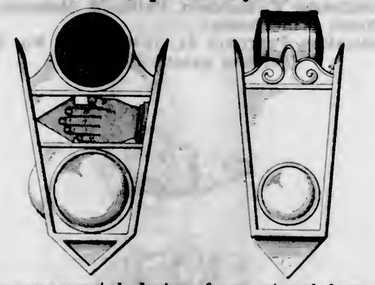
99,922
DESIGN FOR A VACUUM PRINTING FRAME
Michael Annick, Scranton, Pa., assignor to Wesel Manufacturing Company, Scranton, Pa.
Application April 8, 1936, Serial No. 62,016
Term of patent 14 years



The ornamental design for a vacuum printing frame, as shown.

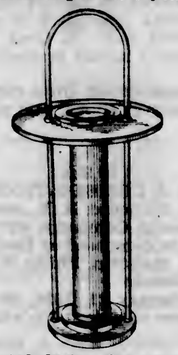
CARNEGIE LIBRARY OF ATLANTA

99,923
DESIGN FOR A SIGNAL LAMP
John Arcelon, Mount Vernon, N. Y.
Application March 7, 1936, Serial No. 61,519
Term of patent 14 years



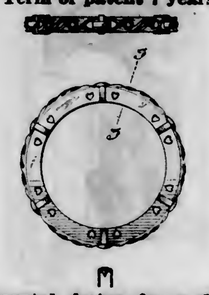
The ornamental design for a signal lamp as shown and described.

99,924
DESIGN FOR AN ASH STAND
Robert N. Baylis, Caldwell, N. J., assignor to Smokador Manufacturing Co., Inc., Bloomfield, N. J., a corporation of Delaware
Application October 31, 1935, Serial No. 59,298
Term of patent 7 years



The ornamental design for an ash stand, substantially as shown.

99,925
DESIGN FOR A FINGER RING
Julius Braun, Union, N. J., assignor to Abelson & Braun, Newark, N. J., a corporation of New Jersey
Application April 9, 1936, Serial No. 62,040
Term of patent 7 years



The ornamental design for a finger ring as shown.

99,926
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Harry A. Brown, Brooklyn, N. Y.
Application May 5, 1936, Serial No. 62,473
Term of patent 3½ years



The ornamental design for a textile fabric or similar article as shown and described.

99,927
DESIGN FOR A TEXTILE FABRIC
Oscar J. Cahn, New York, N. Y.
Application February 26, 1936, Serial No. 61,356
Term of patent 3½ years



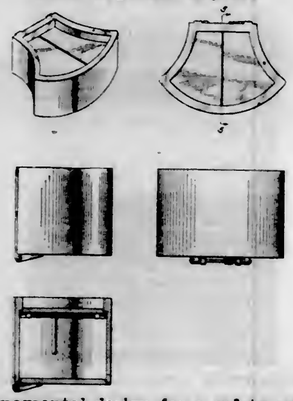
The ornamental design for a textile fabric substantially as shown and described.

99,928
DESIGN FOR A MONOGRAM FRAME
Michael Chernow, Brooklyn, N. Y., assignor to Service Patents Corporation, a corporation of New York
Application May 16, 1935, Serial No. 56,857
Term of patent 7 years



The ornamental design for a monogram frame, substantially as shown and described.

99,929
DESIGN FOR A SAFETY ASH RECEPTACLE
George Clar and Otto Neisser, Jr., Los Angeles, Calif.
Application March 13, 1936, Serial No. 61,622
Term of patent 14 years



The ornamental design for a safety ash receptacle, as shown.

99,930
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
William Cleverly, West New York, N. J.
Application April 17, 1936, Serial No. 62,173
Term of patent 3½ years



The ornamental design for a textile fabric or similar article as shown and described.

99,931
DESIGN FOR AN APPLIQUE EMBLEM FOR ARTICLES OF APPAREL
Charles Emmey, New York, N. Y.
Application January 14, 1936, Serial No. 60,569
Term of patent 3½ years



The ornamental design for an applique emblem for articles of apparel substantially as shown and described.

99,932
DESIGN FOR A COMBINATION DESK UNIT
Fred H. Fisher, Syracuse, N. Y., assignor to Syracuse Ornamental Company, Syracuse, N. Y., a co-partnership composed of David M. Holstein, Alexander E. Holstein, Philip M. Holstein, and Moses Winkelstein
Application February 21, 1936, Serial No. 61,293
Term of patent 3½ years



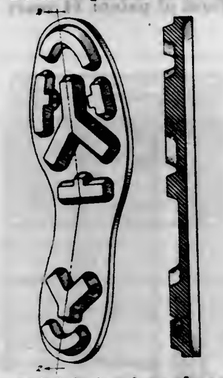
The ornamental design for a combination desk unit, substantially as shown and described.

99,933
DESIGN FOR A COMBINATION DESK UNIT
Fred H. Fisher, Syracuse, N. Y., assignor to Syracuse Ornamental Company, Syracuse, N. Y., a co-partnership composed of David M. Holstein, Alexander E. Holstein, Philip M. Holstein, and Moses Winkelstein
Application February 21, 1936, Serial No. 61,294
Term of patent 3½ years



The ornamental design for a combination desk unit, substantially as shown and described.

99,934
DESIGN FOR A SHOE SOLE
Fred D. Fowler, Newton, Mass., assignor to Hood Rubber Company, Inc., Watertown, Mass., a corporation of Delaware
Application April 15, 1936, Serial No. 62,136
Term of patent 14 years



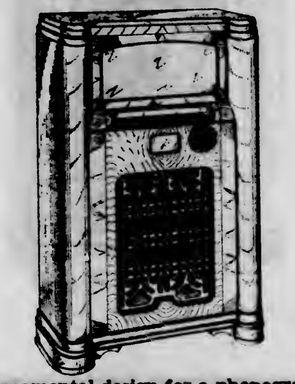
The ornamental design for a shoe sole, as shown.

99,935
DESIGN FOR A PLAYING CARD
Emery E. Friedman, Chicago, Ill.
Application April 13, 1936, Serial No. 62,093
Term of patent 7 years



The ornamental design for a playing card, as shown.

99,936
DESIGN FOR A PHONOGRAPH CABINET
Paul M. Fuller, Chicago, Ill., assignor to The Rudolph Wurlitzer Manufacturing Company, Buffalo, N. Y., a corporation of New York
Application February 8, 1936, Serial No. 61,053
Term of patent 7 years



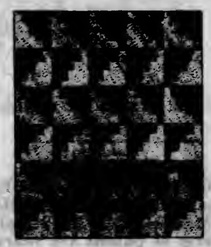
The ornamental design for a phonograph cabinet, substantially as shown and described.

99,937
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE OF MANUFACTURE
John F. Gaul, Jr., Clifton, N. J., assignor, by mesne assignments, to Reconstruction Finance Corporation, a corporation of the United States
Application June 20, 1935, Serial No. 57,361
Term of patent 14 years



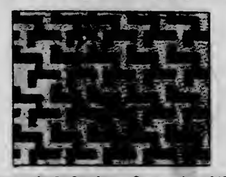
The ornamental design for a textile fabric or similar article of manufacture, substantially as shown and described.

99,938
DESIGN FOR A TEXTILE FABRIC
August Hafner, Flushing, N. Y.
Application May 7, 1936. Serial No. 62,519
Term of patent 3½ years



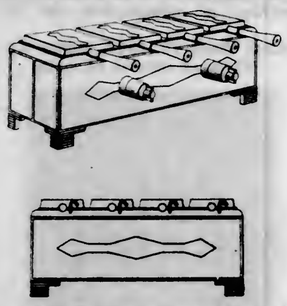
The ornamental design for a textile fabric substantially as shown.

99,939
DESIGN FOR A TEXTILE FABRIC
August Hafner, Flushing, N. Y.
Application May 7, 1936, Serial No. 62,521
Term of patent 3½ years



The ornamental design for a textile fabric substantially as shown.

99,940
DESIGN FOR A CONE CAKE BAKER
Tofick Hallak, Kansas City, Mo.
Application November 4, 1935, Serial No. 59,365
Term of patent 7 years



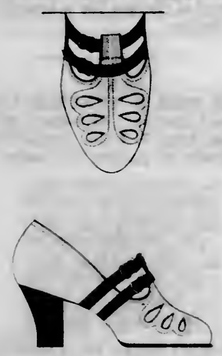
The ornamental design for a cone cake baker, as shown.

99,941
DESIGN FOR A WATCH
Natalie Hays Hammond, Gloucester, Mass., assignor to Paul E. Flato, Inc., New York, N. Y., a corporation of New York
Application April 22, 1936, Serial No. 62,243
Term of patent 7 years



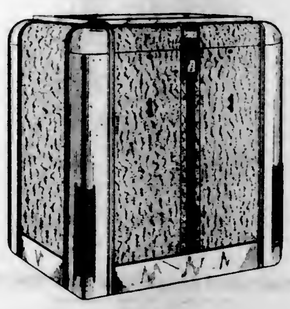
The ornamental design for a watch, as shown and described.

99,942
DESIGN FOR A SHOE
Norman Harris, Auburn, Maine
Application March 31, 1936, Serial No. 61,877
Term of patent 3½ years



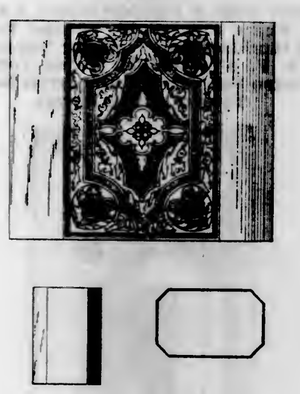
The ornamental design for a shoe, as shown.

99,943
DESIGN FOR A CENTRAL HOUSE HEATING APPARATUS CASING
Clarence R. T. Hess, Prairie View, Ill., assignor to L. J. Mueller Furnace Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 21, 1936, Serial No. 61,730
Term of patent 14 years



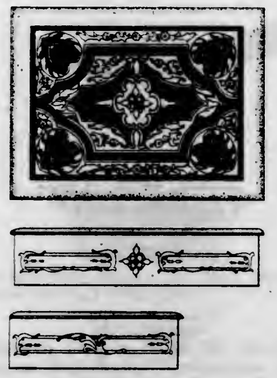
The ornamental design for a central house heating apparatus casing, substantially as shown and described.

99,944
DESIGN FOR A WASTE BASKET
Frederic A. Hougland, Chicago, Ill., assignor to General Bindery Company, Chicago, Ill.
Application March 27, 1936, Serial No. 61,808
Term of patent 3½ years



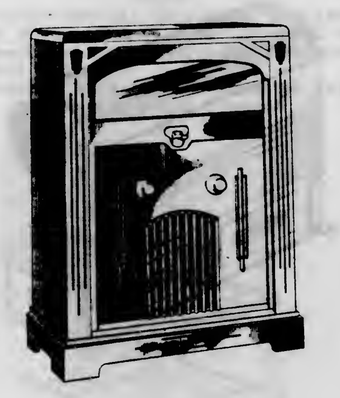
The ornamental design for a waste basket, as shown and described.

99,945
DESIGN FOR A BOX
Frederic A. Hougland, Chicago, Ill., assignor to General Bindery Company, Chicago, Ill.
Application March 27, 1936, Serial No. 61,809
Term of patent 3½ years



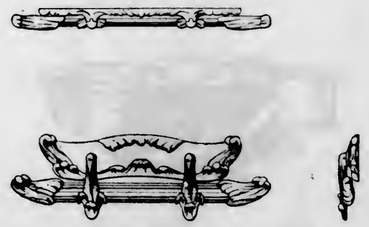
The ornamental design for a box, as shown and described.

99,946
DESIGN FOR A CABINET FOR PHONOGRAPHS OR THE LIKE
Horace G. Humphrey, Beaumont, Tex., assignor to The Texas Novelty Company, Beaumont, Tex., a partnership composed of M. D. Clem, T. D. Clem, both of Beaumont, Tex., and Ekatherina B. Phillipova, Sofia, Bulgaria
Application August 10, 1935, Serial No. 58,074
Term of patent 7 years



The ornamental design for a cabinet for phonographs or the like, substantially as shown.

99,947
DESIGN FOR A HANDLE FOR A CASKET OR ANALOGOUS ARTICLE
Raymond Larson, Chicago, Ill., assignor to Central Metallic Casket Co., Chicago, Ill., a corporation of Illinois
Application April 11, 1936, Serial No. 62,063
Term of patent 7 years



The ornamental design for a handle for a casket or analogous article as shown.

99,948
DESIGN FOR A VESTEE
Howard J. Levi, New York, N. Y.
Application May 13, 1936, Serial No. 62,612
Term of patent 3½ years



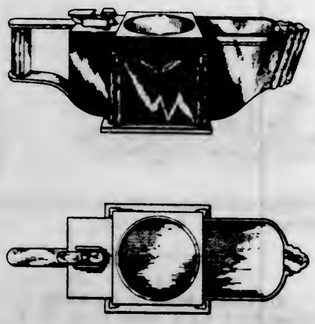
The ornamental design for a vestee, substantially as shown.

99,949
DESIGN FOR A POCKET LIGHTER
Edward K. Lincoln, Fairfield, Conn.
Application November 23, 1935, Serial No. 59,725
Term of patent 14 years



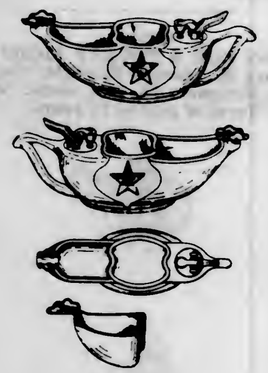
The ornamental design for a pocket lighter, as shown.

99,950
DESIGN FOR A COMBINED LIGHTER, CIGARETTE RECEPTACLE, AND ASHTRAY
Edward K. Lincoln, Fairfield, Conn.
Application November 23, 1935, Serial No. 59,726
Term of patent 14 years



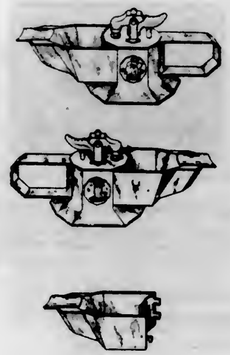
The ornamental design for a combined lighter, cigarette receptacle, and ash tray, as shown.

99,951
DESIGN FOR A COMBINED LIGHTER, CIGARETTE RECEPTACLE, AND ASHTRAY
Edward K. Lincoln, Fairfield, Conn.
Application November 23, 1935, Serial No. 59,727
Term of patent 14 years



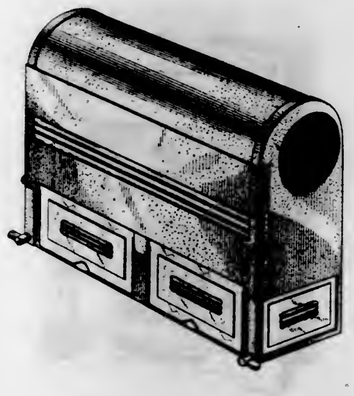
The ornamental design for a combined lighter, cigarette receptacle and ash tray, as shown.

99,952
DESIGN FOR A COMBINED CIGARETTE LIGHTER AND ASHTRAY
Edward K. Lincoln, Fairfield, Conn.
Application November 23, 1935, Serial No. 59,728
Term of patent 14 years



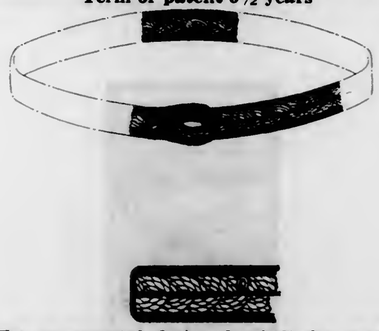
The ornamental design for a combined cigarette lighter and ash tray, as shown.

99,953
DESIGN FOR AN AUTOMOBILE HEATER
Joseph S. Losee, Hebron, Ill.
Application April 20, 1936, Serial No. 62,225
Term of patent 7 years



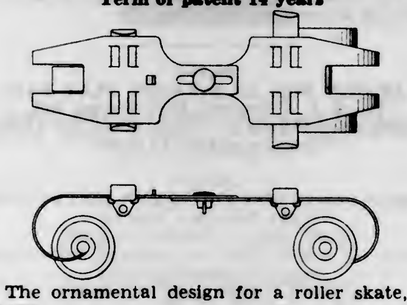
The ornamental design for an automobile heater, as shown and described.

99,954
DESIGN FOR BELT FOR PERSONAL WEAR
Daniel T. Manning, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a corporation of New York
Application January 30, 1936, Serial No. 60,905
Term of patent 3½ years



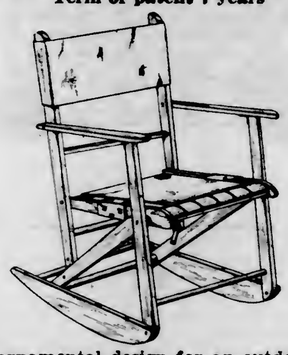
The ornamental design for belt for personal wear, as shown and described.

99,955
DESIGN FOR A ROLLER SKATE
Duncan McDonald, Birmingham, Ala.
Application April 13, 1936, Serial No. 62,104
Term of patent 14 years



The ornamental design for a roller skate, as shown.

99,956
DESIGN FOR AN OUTDOOR ROCKER
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application April 15, 1936, Serial No. 62,130
Term of patent 7 years



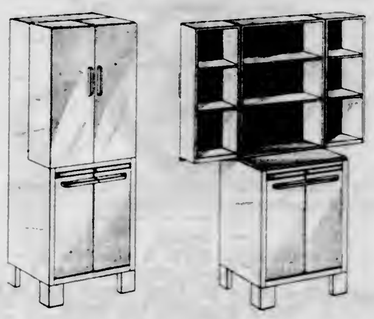
The ornamental design for an outdoor rocker, as shown.

99,957
DESIGN FOR AN OUTDOOR CHAIR
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application April 15, 1936, Serial No. 62,131
Term of patent 7 years



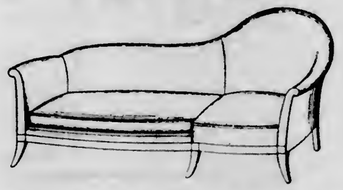
The ornamental design for an outdoor chair, as shown.

99,958
DESIGN FOR A CABINET
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application April 24, 1936, Serial No. 62,275
Term of patent 7 years



The ornamental design for a cabinet, as shown.

99,959
DESIGN FOR A COMBINED LOVE-SEAT AND CHAIR OR SIMILAR ARTICLE
Joseph B. Nathan, New York, N. Y.
Application October 26, 1934, Serial No. 53,770
Term of patent 3½ years



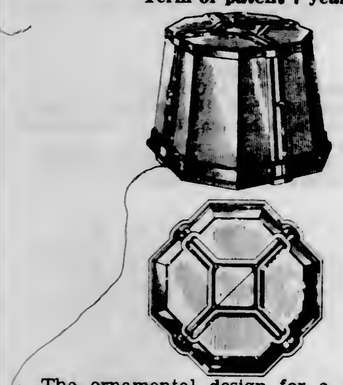
The ornamental design for a combined love-seat and chair or similar article as shown.

99,960
DESIGN FOR A CHILD'S BIB
Ingrid Olsen, Bellwood, Ill.
Application April 27, 1935, Serial No. 56,603
Term of patent 7 years



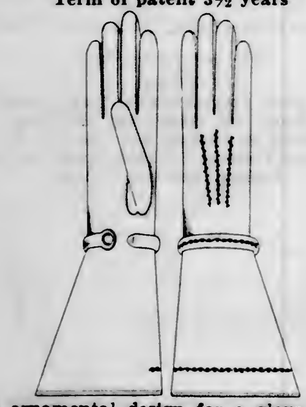
The ornamental design for a child's bib, substantially as shown.

99,961
DESIGN FOR A CIGARETTE CONTAINER OR SIMILAR ARTICLE
Walter B. Payne, Rochester, N. Y.
Application December 5, 1935, Serial No. 59,910
Term of patent 7 years



The ornamental design for a cigarette container or similar article as shown.

99,962
DESIGN FOR A GLOVE
Camille V. Perrin, New York, N. Y.
Application May 13, 1936, Serial No. 62,609
Term of patent 3½ years



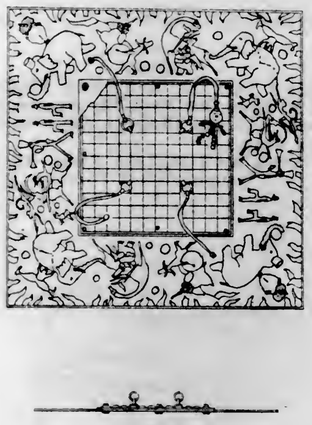
The ornamental design for a glove, substantially as shown and described.

99,963
DESIGN FOR A PERFUME BURNER LAMP
Irving W. Rice, New York, N. Y., assignor to Irving W. Rice & Co., New York, N. Y.
Application February 27, 1936, Serial No. 61,381
Term of patent 3½ years



The ornamental design for a perfume burner lamp as shown and described.

99,964
DESIGN FOR AN INFANT'S PLAY PAD
Frank T. J. Roemer, Fort Wayne, Ind.
Application February 7, 1936, Serial No. 61,029
Term of patent 14 years



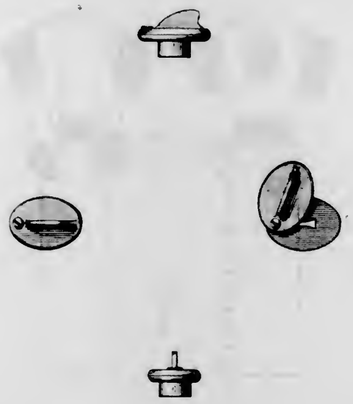
The ornamental design for an infant's play pad, as shown and substantially as described.

99,965
DESIGN FOR A WINDOW DRAPE OR SIMILAR ARTICLE
Max Sadinoff, New York, N. Y.
Application May 2, 1936, Serial No. 62,440
Term of patent 3½ years



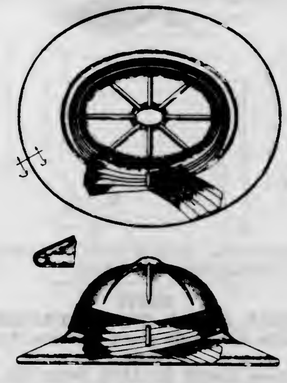
The ornamental design for a window drape or similar article as shown and described.

99,966
DESIGN FOR A CLOSURE FOR COLLAPSIBLE TUBES OR THE LIKE
Melville Sahyun, Detroit, Mich.
Application February 16, 1935, Serial No. 55,459
Term of patent 14 years



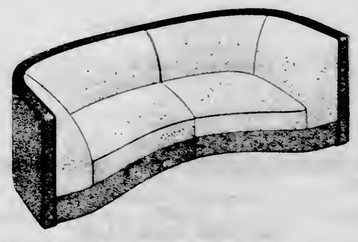
The ornamental design for a closure for collapsible tubes or the like, as shown.

99,967
DESIGN FOR A HAT
Edward C. Sloan, Geneva, Ill., assignor to Jesse B. Hawley, Geneva, Ill.
Application October 4, 1935, Serial No. 58,836
Term of patent 7 years



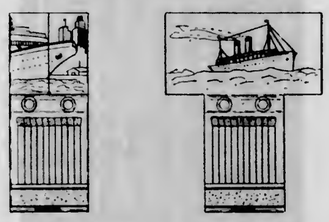
The ornamental design for a hat substantially as shown.

99,968
DESIGN FOR A SOFA OR SIMILAR ARTICLE
Norval Tyrrell, New York, N. Y.
Application May 12, 1936, Serial No. 62,605
Term of patent 3½ years



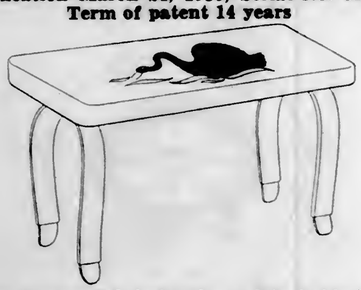
The ornamental design for a sofa or similar article, substantially as shown.

99,969
DESIGN FOR A MATCH BOOK
Louis J. Whitestone, New York, N. Y.
Application February 29, 1936, Serial No. 61,427
Term of patent 7 years



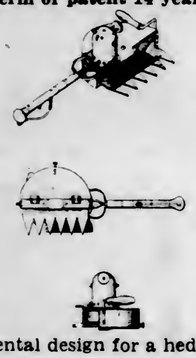
The ornamental design for a match book, as shown and described.

99,970
DESIGN FOR A DETACHABLE BATHTUB SEAT
Mae Winch, San Francisco, Calif.
Application March 24, 1936, Serial No. 61,756
Term of patent 14 years



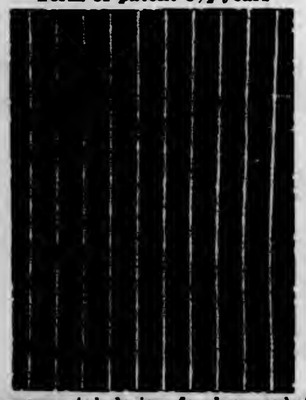
The ornamental design for a detachable bathtub seat substantially as shown.

99,971
DESIGN FOR A HEDGE TRIMMER
Roy Yantis, Overland Park, Mission Township, Kans.
Application March 23, 1936, Serial No. 61,732
Term of patent 14 years



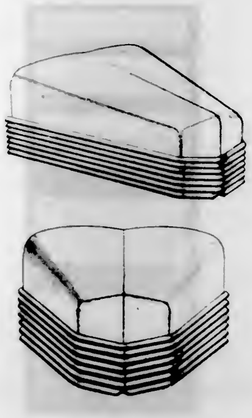
The ornamental design for a hedge trimmer as shown.

99,972
DESIGN FOR LACE
Stephen N. M. Biddle, New York, N. Y.
Application May 16, 1936, Serial No. 62,670
Term of patent 3½ years



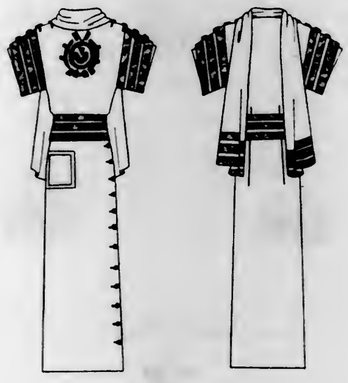
The ornamental design for lace, substantially as shown.

99,973
DESIGN FOR AN AUTOMOBILE HOOD STRUCTURE
Gordon Miller Buehrig, Auburn, Ind., assignor to Auburn Automobile Company, Auburn, Ind., a corporation of Indiana
Application May 11, 1936, Serial No. 62,601
Term of patent 7 years



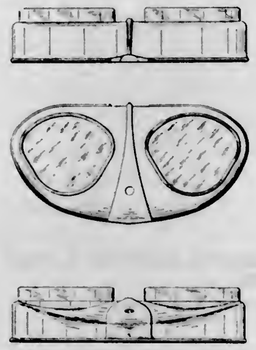
The ornamental design for an automobile hood structure substantially as shown and described.

99,974
DESIGN FOR A DRESS
Philip Heit, New York, N. Y.
Application May 16, 1936, Serial No. 62,671
Term of patent 3½ years



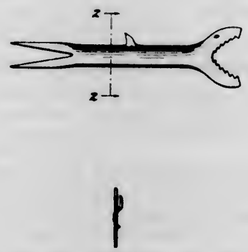
The ornamental design for a dress, substantially as shown.

99,975
DESIGN FOR AN INSTRUMENT HOUSING
Robert Heller, New York, N. Y., assignor to The Westfield Manufacturing Company, Westfield, Mass., a corporation of Massachusetts
Application April 16, 1936, Serial No. 62,152
Term of patent 14 years



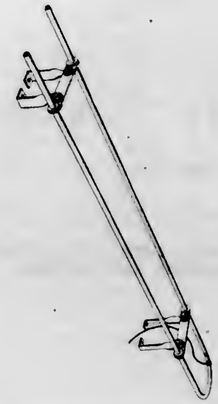
The ornamental design for an instrument housing, as shown.

99,976
DESIGN FOR A CAN KEY
Geno Lesti and Florence Wahl, Cleveland, Ohio
Application March 24, 1936, Serial No. 61,769
Term of patent 14 years



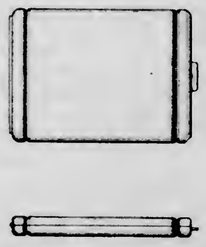
The ornamental design for a can key, substantially as shown.

99,977
DESIGN FOR AN AUTOMOBILE RADIO ANTENNA
Rogers M. Smith, Merchantville, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application December 19, 1934, Serial No. 54,507
Term of patent 7 years



The ornamental design for an automobile radio antenna, substantially as shown.

99,978
DESIGN FOR A VANITY CASE OR SIMILAR ARTICLE
Fred Spitalny, Elizabeth, N. J.
Application May 4, 1936, Serial No. 62,466
Term of patent 7 years



The ornamental design for a vanity case or similar article, as shown.

99,979
DESIGN FOR A STATUETTE OR SIMILAR ARTICLE
Sigmund Lee Wolffs, Chicago, Ill.
Application April 17, 1936, Serial No. 62,177
Term of patent 7 years



The ornamental design for a statuette or similar article as shown and described.

99,980
DESIGN FOR A CHAIR
Roy H. Ziem, Los Angeles, Calif.
Application April 8, 1936, Serial No. 62,002
Term of patent 3½ years



The ornamental design for a chair as shown and described.

CARNEGIE LIBRARY OF ATLANTA

Patents Nos. 2,043,977 to 2,044,759

THE
OFFICIAL GAZETTE
OF THE
United States Patent Office

Vol. 467—No. 3 TUESDAY, JUNE 16, 1936 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.
PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.
CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
ISSUE OF JUNE 16, 1936	471
ADJUDICATED PATENTS	471
ADVERSE DECISIONS IN INTERFERENCE	471
CHANGES IN CLASSIFICATION	471
APPLICATIONS UNDER EXAMINATION	472
DECISIONS OF THE U.S. COURTS—	
Schwartz v. Graenz	473
PATENT SUITS	479
TRADE-MARKS PUBLISHED (216 APPLICATIONS)	481
TRADE-MARK REGISTRATIONS GRANTED	504
TRADE-MARK REGISTRATIONS RENEWED	514
LABELS	515
LABEL RENEWED	516
PRINTS	516
REISSUES	517
PLANT PATENTS	519
PATENTS GRANTED	520
DESIGNS	697

June 16, 1936

Trade-Marks	259—No.	335,721, to No.	335,979, inclusive.
T. M. Renewals	25		
Labels	40—No.	47,534 to No.	47,573, inclusive.
Labels Renewed	1		
Prints	15—No.	15,719 to No.	15,733, inclusive.
Reissues	11—No.	20,003 to No.	20,013, inclusive.
Plant Patents	2—No.	183 to No.	184, inclusive.
Patents	783—No.	2,043,977 to No.	2,044,759, inclusive.
Designs	102—No.	99,981 to No.	100,082, inclusive.
Total	1,248		

Adjudicated Patents

(D. C. N. Y.) Leo patent, No. 1,646,157, for dry powdered jelly base containing pectin and sugar and process of making same, claims 1 and 2 *Held* valid and infringed, and claims 3 and 4 *Held* invalid. *Kwik-Set* v. *Welch Grape Juice Co.* 14 F. Supp. 137.

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,763,380, C. E. Trube, Electric coupling system, decided May 18, 1936, claims 3, 4, 5, 6, and 8.

Pat. 1,896,547, B. M. Leece and D. S. Cole, Regulating means, decided May 25, 1936, claims 1, 4, 7, 10, and 11.

Pat. 1,947,419, Martin Marasco, Treating cellulose esters, decided April 8, 1936, claim 5.

Pat. 1,979,311, P. A. Borden, System of measurement and control, decided May 25, 1936, claims 6 and 14.

Des. Pat. 91,188, C. R. Kirk, Design for display case, decided April 22, 1936, the claim as shown.

Des. Pat. 93,715, H. H. Harris, Design for vanity case or similar article, decided May 28, 1936, the claim as shown.

Changes in Classification

Order No. 3,358, May 28, 1936, directs:

In *class 12, Boot and Shoe Making* (Division 11), establish the following subclass and definition:

79.6 Shoe filling machines.

79.6. Machines and tools for inserting filling material into shoe bottoms and for smoothing and packing the same. May include heating and softening means for the filler material.

Note.—See class 18, PLASTICS, for molding in general.

The patents contained in this subclass have been taken for the most part from class 18, Plastics, subclass 1.

In *class 105, Railway Rolling Stock* (Division 34), change the title of subclass 208 to read as follows:

Trucks
Bogie
208 Spring planks and transoms,

and establish the following subclasses and definitions:

Wheel or axle drive
96.1 Axle box mounted transmission,
96.2 Fluid transmission,
132.1 Torque arms.
Trucks
Bogie
Spring bolster
197.1 Leaf and coil,
197.2 Spring plankless,
Spring planks and transoms
208.1 Resiliently mounted transoms,
208.2 Vertically flexible spring plank or loose connections,
Axle box mountings
224.1 Deformable cushions.

96.1. Devices under subclass 96 where the transmission is partially or wholly mounted in or on the usual journal box.

96.2. Devices under subclass 96 in which the drive is constituted wholly or partially of clutches or gearing.
Search this class, subclasses 63–65.

132.1. Devices under subclass 96 having transmission gearing where the driving torque reactions are transmitted to the vehicle, truck frame or adjacent axle by a torque arm resiliently or non-resiliently connected.

197.1. Devices under subclass 197 where the spring assembly includes leaf and coil springs in series, parallel, series-parallel, or other relation.

197.2. Devices under subclass 197 where some provision between bolster and side frame connections is made to compensate for omission of the conventional spring plank.

208.1. Devices under subclass 208 where the transoms are resiliently mounted on the side frames.

208.2. Devices under subclass 208 specific to spring plank structure which permit relative vertical and/or tilting movement between opposite truck side frames without straining the spring plank and its connection to the respective side frames.
Search this class, subclass 179.

224.1. Devices under subclass 218 in which the axle box mounting is of rubber or other similar non-metallic material.

The patents contained in these subclasses have been taken for the most part from various subclasses in class 105, Railway Rolling Stock.

Condition of Applications Under Examination at Close of Business May 29, 1936 (May 30 holiday)

(Total number of applications awaiting action, excluding Trade-Mark Division, 32,506; Trade-Mark Division, 1,562. Oldest new case, January 28, 1936; oldest amended, January 29, 1936.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Apr. 1	Apr. 1	320
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Velocipedes; Butchering; Bee Culture.	Feb. 6	Feb. 6	839
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Mar. 2	Mar. 2	491
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Feb. 29	Mar. 2	531
3628	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Mar. 2	Mar. 3	486
4806 C	6. LEWERS, A. M., Carbon Chemistry	Mar. 18	Mar. 23	487
5726	7. JARBOE, C. G., Optics; Photography	Mar. 16	Mar. 16	752
3389	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Mar. 12	Apr. 3	404
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Apr. 4	Apr. 6	323
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Apr. 2	Apr. 4	252
6087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Mar. 9	Mar. 11	428
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms.	Mar. 2	Mar. 2	476
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Apr. 1	Apr. 2	358
5097	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Feb. 20	Feb. 24	638
4897	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	Mar. 16	Mar. 16	711
5612	16. SPENCER, C. J., Telegraphy; Telephony	Mar. 2	Mar. 2	537
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Mar. 6	Mar. 7	620
4612	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Feb. 19	Feb. 19	432
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Mar. 2	Mar. 5	523
6613	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking	Mar. 2	Mar. 5	323
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Mar. 5	Mar. 11	503
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Mar. 5	Mar. 5	488
7024	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	Feb. 6	Jan. 29	539
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Mar. 23	Mar. 19	421
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Mar. 5	Mar. 5	461
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Mar. 21	Mar. 27	325
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	Mar. 9	Mar. 9	483
4626	28. BENSON, A. R., Internal-Combustion Engines	Mar. 5	Feb. 24	403
5083	29. SHKLARIN, J. B. (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Supports, Tables.	Mar. 25	Mar. 23	366
4074	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Mar. 2	Mar. 2	592
4716	31. DUNCOMBE, C. S. (Act.), Gas, Heating and Illuminating; Mineral Oils	Mar. 5	Feb. 29	465
4086	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Mar. 5	Mar. 21	436
6096	33. WYMAN, W. L., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Rooks; Roads and Pavements.	Mar. 24	Apr. 1	480
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Mar. 6	Mar. 7	356
3600	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Filling and Closing Portable Receptacles.	Mar. 2	Mar. 2	517
7892	36. McFADYEN, A. D., Measuring Instruments; Force Measuring; Automatic Weighers	Apr. 8	Apr. 8	234
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Mar. 2	Mar. 2	524
7510	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Mar. 9	Mar. 9	398
4872	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Apr. 1	Apr 1	324
7980	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Feb. 11	Feb. 17	1,039
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Mar. 5	Mar. 2	515
5882	42. CUTTING, H. O., Electric Signaling	Mar. 5	Mar. 2	350
4886 B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Mar. 6	Mar. 6	649
4087 B	44. SHAFFER, C. H., Refrigeration; Dispensing Beverages	Mar. 4	Mar. 2	555
7097	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Apr. 4	Apr. 6	266
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements.	Mar. 9	Mar. 9	406
7600	47. BARKER, H., Clutches; Brakes	Mar. 16	Mar. 9	481
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Mar. 2	Mar. 2	443
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Apr. 1	Apr. 1	442
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	Feb. 21	Feb. 21	889
5628	51. BACKUS, C. D., Radiant Energy	Mar. 28	Mar. 28	554
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housings; Laminated Packing.	Mar. 5	Mar. 12	518
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Mar. 2	Mar. 2	686
5874	54. WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	Mar. 5	Mar. 3	363
6887	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Jan. 28	Jan. 30	865
4725	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation	Mar. 10	Mar. 9	734
3625	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Exercising Devices.	Apr. 1	Apr. 1	259
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Mar. 5	Mar. 5	398
4709	59. RICHARD, V. I., Chemistry; Fertilizers	Mar. 13	Mar. 20	612
5896	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Apr. 2	Apr. 2	258
6724	61. PARKS, O. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus.	Mar. 5	Mar. 6	283
3676	62. COCHRAN, W. W., Games; Geometrical Instruments	Mar. 20	Mar. 24	432
4688	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	Mar. 5	Mar. 6	424
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel; Alcohol.	Mar. 12	Mar. 12	689
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Jan. 30	Jan. 30	636
2099 B	Trade-Marks, Labels, and Prints: F. A. RICHMOND {Trade-Marks	Apr. 20	May 16	1,251
	{Labels and Prints	Apr. 30	May 15	311
2605	Designs, H. H. KALUPY (Act.)	Apr. 28	May 4	504

CARNEGIE LIBRARY OF KILMA

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

SCHWARTZ *v.* GRAENZ

[81 F.(2d) 767]

No. 3,528. Decided February 17, 1936

1. INTERFERENCE—ORAL TESTIMONY, WEIGHT OF.

"Although, of course, oral testimony may be sufficient to establish priority of invention, or to warrant a favorable decision to the party producing it on the issue of originality, it should, in the absence of any corroborative documentary evidence, be carefully scrutinized, particularly where it is adduced, as in the case at bar, 6½ to 8½ years after the happening of events."

2. SAME—PRIORITY.

Evidence reviewed and *Held* not sufficient to establish beyond doubt that the junior party S. conceived the involved invention prior to his coming in contact with the senior party G., or prior to the filing date of the latter, and priority *Held* properly awarded to G.

APPEAL from the Patent Office. Affirmed.

Mr. Henry E. Stauffer for Schwartz.

Messrs. Gifford, Scull & Burgess, Mr. George F. Scull, and *Mr. William F. Wilder* for Graenz.

HATFIELD, *J.:*

This is an appeal in an interference proceeding from the decision of the Board of Appeals of the United States Patent Office reversing the decision of the Examiner of Interferences awarding priority of invention to appellant.

The invention in issue relates to a non-run knitted fabric, and a method for making the same.

The fabric is made up of the usual courses and wales, with certain of the loops shifted lengthwise and laterally into an adjacent wale in an adjacent course.

Of the eleven counts in issue, 1 to 11, inclusive, counts 1 and 7 are illustrative. They read:

Count 1. A non-run knitted fabric formed of courses and wales of loops, with substantially each wale containing a multiplicity of loops each of which has a bight portion thereof displaced from an adjacent existent wale and from an adjacent course, and the courses wherein such displaced loops occur being in such close proximity as to render substantially the entire extent of the fabric of a non-run character, by limiting the breaking effect of any loop of the fabric to a very small number of loops in the wale in which the break occurs.

Count 7. That method of rendering a knitted fabric of a substantially non-run character throughout, during the fabrication thereof, which consists in knitting the fabric in course after course of loops, and in substantially every existent wale, in a multiplicity of courses substantially throughout the fabric, laterally shifting predetermined loops each to an adjacent wale in an adjacent course.

The interference is between appellant's application, Serial No. 618,289, filed June 20, 1932, and appellee's patent, No. 1,856,053, issued April 26, 1932, on an application filed October 8, 1931.

The counts in issue originated in appellee's patent, No. 1,856,053, and were copied by appellant for interference purposes.

As appellant's application was not filed until after appellee's patent issued, appellant is the junior party, and the burden was upon him to establish priority of invention beyond a reasonable doubt.

It appears from the preliminary statements of the parties that appellant claimed conception, disclosure to others, and reduction to practice on or about October 9, 1923; and that appellee claimed conception, disclosure to others, and reduction to practice on or about April 30, 1931.

Preliminary to a discussion of the issues and the evidence in the case it may be said that appellant received Patent No. 1,470,490, issued October 9, 1923, on an application filed September 25, 1919, for a non-run knitted fabric, and a method for making the same.

Appellant's patented non-run knitted fabric is made up of the usual courses and wales, with certain of the loops *stretched* laterally so that they extend over two wales *in the same course* in which they originated.

The fundamental difference between the fabric at issue and that covered by the Schwartz patent is that in the former certain loops are *shifted* lengthwise and laterally *into an adjacent wale in an adjacent course,* whereas in the Schwartz patented fabric certain of the loops are *stretched laterally* so that they extend over two wales *in the same course* in which they originated.

It appears from the record that the Berkshire Knitting Mills, a manufacturer of hosiery, located at Wyomissing, Pa., is making non-run hosiery under the Schwartz patent, No. 1,470,490, probably as a licensee; and that the Textile Machine Works of Wyomissing, Pa., engaged in manufacturing full-fashioned knitting machines and parts, and the Berkshire Knitting Mills, although separate corporations, are controlled, as stated in the brief of counsel for appellant, by the "same interests."

Appellant Schwartz testified that he conceived the present invention about one year subsequent to the filing of his application—September 25, 1919, on which Patent No. 1,470,490 issued October 9, 1923; that he disclosed the present invention to his attorney, Mr. Denes, who at that time was prosecuting his 1919 application; that Mr. Denes was of opinion, as was Mr. Root, who succeeded Mr. Denes as appellant's attorney in the prosecution thereof, that the involved invention was fully covered by that application (neither Mr. Denes nor Mr. Root was called as a witness); that he explained the present invention to his attorneys—Mr. Denes and Mr. Root—orally and by the motion of his fingers, no drawings thereof having been made by him until sometime in 1931, and stated to Mr. Root "that in case it is not mechanically advantageous to make form No. 1, form No. 2 may be easier adaptable to a full fashioned machine"; that subsequent to the issuance of his patent, and prior to June, 1926, he made several unsuccessful attempts to interest various hosiery manufacturers in his patent, such as the Phoenix Hosiery Mills, Julius Kayser, Van Raalte, Osborn, the Rivoll Hosiery Mills, and others whose names he did not remember, and disclosed

to them samples of his patented fabric and the fabric of the present invention, sometimes one, sometimes the other, and sometimes both (no witness was called from any of those concerns to corroborate appellant's testimony); that, in the early summer of 1926, he disclosed the present invention to the witnesses Emil Max Müller, an employee of the Textile Machine Works of Wyomissing, Pa., supervisor of the erection of full-fashioned hosiery machines and attachments therefor, Christian F. Meyer, chief draftsman of the same company, and Mr. Emil Richter, foreman of the Berkshire Knitting Mills; that he showed those witnesses a sample of his patented non-run fabric—Exhibit No. 4, as well as a sample of a non-run fabric disclosing the present invention—Exhibit No. 5, hereinafter described, and, after fully explaining the arrangement of, and the difference in, the stitches used in producing those fabrics, on July 26, 1926, entered into an "option agreement" with the Berkshire Knitting Mills—appellant's Exhibit No. 14—for the sale of all his rights, title, and interest in and to his Patent No. 1,470,490 for the sum of $7,500, one thousand dollars of which was paid at the time of the signing of the agreement, and the balance, $6,500, was to be paid within 30 days thereafter, in the event the Berkshire Knitting Mills desired to exercise its rights under the agreement to the consummation of the sale and the execution and delivery to it of a formal assignment of appellant's patent rights.

It may be observed at this point that the balance of the purchase price was not paid by the Berkshire Knitting Mills, and the patent was not assigned to it.

Relative to the meeting on July 26, 1926, of the parties to the "option agreement," the witness Christian F. Meyer stated that he dictated a memorandum, introduced in evidence as appellant's Exhibit No. 20, wherein it appears that, in addition to appellant Schwartz, the following persons were present: Messrs. F. Thunn, G. Gastrich, M. Zwicky, M. Mueller, Wm. F. Mueller, H. Hemmerich, E. Richter, and C. F. Meyer (only two of whom—Richter and Meyer—were called as witnesses by appellant); that the subject of the discussion at that meeting had to do with the purchase of appellant's patent, and, among other things, "the practical workability as well as the cost of *the attachment* [to full-fashioned machines] necessary to make *the lock stitch*." [Italics ours.] No reference is made in that memorandum to more than one lock stitch, nor to more than one "attachment".

Exhibit No. 4 is a knitted fabric about 11½ inches long and 3¼ inches wide, mounted on a piece of cardboard. It is made up of the ordinary knitting stitch, except for an insert, about 6 inches in length and about 1 inch in width, consisting of appellant's patented non-run knitted fabric made by *stretching* certain of the loops throughout the fabric *laterally* so that they extend *over two wales in the same course* in which they originated.

Exhibit No. 5 is a knitted fabric about 8½ inches long and 7 inches wide, mounted on a piece of cardboard. It is made up of the ordinary knitting stitch, except for an insert, about 6½ inches in length and 1½ inches in width, consisting of a sample of the non-run fabric in question, wherein certain loops throughout the fabric are *shifted lengthwise and laterally* "to an adjacent wale in an adjacent course."

Appellant further testified that he made Exhibits Nos. 4 and 5, and left them with the Textile Machine Works in the summer of 1926, and that, so far as he knew, they remained with that concern, or with the Berkshire Knitting Mills, until "Late in the Fall of 1931." He later qualified that statement by saying that when the "Textile Machine Company * * * did not exercise their option, they returned those samples to * * * [him], and * * * [he] had them in * * * [his] possession until the time when * * * [he] started negotiations with the Apex Hosiery," in December, 1931, at which time, he stated, he "handed" them to Mr. William Meyer, president of the Apex Hosiery Company, who did not testify in the case, and the witness Mr. F. Elwood Struve, who testified for appellant.

It appears from the testimony of the witness Struve that he received Exhibits Nos. 4 and 5 from appellant in December, 1931, and, sometime thereafter, showed them to Mr. Gustav Gastrich, employed by the Textile Machine Works, and that early in January, 1933, prior to the taking of the testimony in this case, turned them over to Mr. Gastrich, who was not called as a witness.

Appellant further testified that in May, 1930, he called at the Vogue Silk Hosiery Company, Philadelphia, Pennsylvania, and there met a Mr. Frost and a Mr. Frank Titleman, neither of whom was called as a witness, and appellee's witnesses Ernest Tither, vice-president and "mechanical man and superintendent" of the Vogue Silk Hosiery Company, and Mr. Samuel Tait, president and treasurer of that company and, at the time of the taking of the testimony in this case, a director but not a stockholder of the Non-run Fabric and Machine Company, owner of appellee's patent; that he did not disclose to those persons the details of the stitch forming the patented fabric or the stitch forming the present invention; that he there met the appellee Alfred Graenz, who at that time was making so-called "heel attachments" for the Vogue Silk Hosiery Company; that he made an appointment with the appellee to see him the following day, at which time, he stated, they discussed plans concerning the construction of an "attachment" suitable for the making of appellant's patented fabric; that appellee thought he ought to have about $75 or $80 per week and a "small additional interest," if he were successful in making such an "attachment"; that a memorandum contract was prepared and left with appellee; that two or three days later he again called on the appellee, who stated that he was not in position to do more than to work on the suggested "attachment" evenings, Sundays, and holidays, and that as he had confidence in appellant, it would not be necessary to sign the agreement referred to; that on several occasions he explained in detail the construction of the patented fabric—form No. 1; that, about one month thereafter, appellee appeared to be discouraged in his efforts to design an "attachment" capable of making appellant's patented stitch; that appellant then explained to appellee the details of the stitch forming the fabric of the present invention—form No. 2, and made suggestions relative to the construction of an "attachment" suitable for the making of it; that he saw appellee frequently thereafter; that in July, 1931, appellee told him that he had completed "the attachment" and was ready to do business with him, and showed him a piece of fabric, the construction of which, the witness stated, he could ascertain by close inspection; that he examined it to ascertain how it was constructed (however, he made no statement relative to its construction); that there was some discussion relative to a contract between the parties at that time; that, about two months thereafter, he called on appellee and suggested the drawing up of a contract that would be mutually satisfactory; that appellee stated that, due to certain work he then had on hand, he would be unable to do anything in the matter for about one week or ten days; that, about two weeks thereafter, he again called on appellee, who again stated that he would be unable to do anything for a few days; that the witness Lewis Marcus, an attorney at law who testified for appellant, called on appellee in October, 1931; that, thereafter on several occasions, he attempted to get appellee to enter into some sort of contract with him but was unsuccessful; and that appellee at the time told him he had made "an attachment," and had filed patent papers for a mechanism, but made no reference to the fact that his patent application included a fabric. The witness identified certain proposed contracts—Exhibits 8, 9, and 10, submitted to appellee by him, none of which were signed by appellee.

Exhibit No. 8, which was dated June, 1930, had reference to an "attachment" to be constructed by appellee suitable for the making of appellant's patented fabric, and the remuneration appellee was to receive therefor.

Exhibit No. 9, dated 1931, was apparently submitted to appellee in July of that year. It relates, among other things not of interest here, to the formation of a corporation for the manufacture and sale of silk hosiery and similar products, and the machinery and attachments for the manufacture thereof. For 51 per cent of the stock of the proposed corporation, appellant was to assign all his rights, title and interest in and to his patent. Appellee was to receive 25 per cent of the stock in consideration of which he was to assign all his rights, title, and interest in and to a "certain device, attachment or machine capable of manufacturing the said fabric described or contained in the patent owned by Schwartz above described."

Exhibit No. 10, dated December, 1931, is a proposed agreement between the parties relative to a mechanical attachment for a full-fashioned hosiery machine to be perfected by appellee for the making of a non-run knitted fabric "such as is contemplated by appellant's patent."

On cross-examination, appellant testified that, although he had shown appellee samples of his patented fabric and also of the fabric corresponding to that here involved, he did not show him Exhibits Nos. 4 and 5. He further testified that he had disclosed forms Nos. 1 and 2 to his sons Irving and Ira Schwartz sometime in 1924, and that they made samples of fabric conforming to both. This testimony was corroborated by appellant's sons, who, in 1924, were approximately 17 and 13 years of age, respectively.

The witness Emil Max Müller testified that in June, 1926, appellant showed him Exhibits Nos. 4 and 5, and explained in detail how each was made. We quote from Müller's testimony with regard thereto:

> I noticed in this fine piece of fabric [Exhibit 4] there was 3 holes in it. I asked him permission, if I could put another hole into it, to prove it to myself if this fabric really doesn't run. I took my pen knife, cut a fourth hole in it and tried to make it run, but it didn't.
>
> * * * * * * * *
>
> A. There was no other holes in it, but from the left side of the bottom about 2 inches from the corner where that new loop formation started, there was a runner through the plain fabric, that runner was about a half inch wide, all the way down, and from the right side of the top hole about an inch and a half over there was a large hole and a smaller hole about a thirty second loops or thread between that large and small hole.
>
> * * * * * * * *
>
> Q. 16. Were there any other holes in that fabric to make you state you put a fourth hole in that fabric.
>
> A. Yes, there was 3 holes in it, one of them was connected, with the small hole, but I wanted to have to prove to myself.
>
> * * * * * * * *
>
> A. The coarse fabric [Exhibit 5] did have on the bottom from the left side about an inch and a half from the corner where this new loop formation started a runner all the way down to the plain fabric about ¾ inch wide. The same thing on the right side about an inch and a half inward there is a runner going up the same width as the one going down. Then I noticed one single stitch about ¾ inward from that runner and about an inch and a half high there is a loop or a stitch which is very noticeable. Also on the right side where the insert of new loop formation is, that does not go straight up on the needle wale, there is about a half inch on the right side that loop spread over when the needle follow to the right.
>
> Q. 23. What part of the coarse fabric were you describing when making the last part of the previous statement?
>
> A. The insert part of the fabric where that new type loop formation was made.
>
> * * * * * * * *
>
> A. I recognize this piece of fabric [Exhibit 5] through having on the left side from that inserted piece of non-run fabric a runner all the way down to the plain fabric. The same thing on the right side, specially I recognize it on that one stitch which is in that plain fabric,—everybody can see that.
>
> Q. 55 Which stitch are you referring to, Mr. Müller?
>
> A. That is that single stitch, single funny stitch.
>
> * * * * * * * *
>
> Q. 56. Why should such a feature just referred to make such an impression on you that you would recollect that this peculiarly shaped hole was in the original fabric shown you by Mr. Schwartz in 1926?
>
> A. The plain fabric knitted would not show a stitch which we see here in this piece of plain fabric except something has happened with a needle or the man who knit it tried to make a different loop.
>
> Q. 57. Are there any other features of the fabric, Exhibit 5, that would help you to recognize the same?
>
> A. On the right side I see that by spreading over the loops he did not keep up with the same needle wale, on the top he did come one needle wale far to the right. This I mentioned to Mr. Schwartz when I examined this sample in Philadelphia.
>
> * * * * * * * *
>
> Q. 66. Are there any other features of the coarse fabric, Exhibit 5, that help you in identifying this as the original coarse piece of fabric shown you by Mr. Schwartz in 1926?
>
> A. The way I explain it before, that this fabric I recognize by this two wide runners on the left side going down, the right side going up, and this funny looking stitch in the plain fabric.

The witness further stated that it was his practice to examine fabrics, and that he had examined probably hundreds of them during the period from June, 1926, to January, 1933, when his testimony was taken; that two weeks prior to the giving of his testimony he had seen Exhibits Nos. 4 and 5 at a meeting held in the offices of the Textile Machine Works. It appears from the record that, in addition to the witness, there were present at that meeting, among others, appellant and his counsel, Mr. Gastrich, and the witnesses Ernest Richter and Christian F. Meyer, and that the meeting was called for the purpose of discussing the issues of this case.

The witness Emil Richter testified that he was foreman of the Berkshire Knitting Mills in charge of machines "and things in general"; that, in July, 1926, appellant showed him Exhibits Nos. 4 and 5, and explained the construction of the fabrics represented thereby. The witness was shown those exhibits, and, with them before him, described certain peculiarities by which he was able to recall that they were the fabrics disclosed and explained to him in 1926, and, among other things, said:

A. The fine piece of fabric, Exhibit No. 4, is a very peculiar way made. It's surrounded by a plain piece of fabric on four sides with about a inch and a quarter by 5 inch non run fabric, inside; besides it has four distinct holes in it which were in already when I first seen it. While the coarser piece of fabric, Exhibit No. 5, has two distinct runners and also the plain fabric on the outside with about an inch or an inch and a quarter by 5 inch non-run fabric in the middle.

* * * * * * *

A. These two runners in Exhibit No. 5 were in the same place and had the same width when I first seen them.

Q. 35. When you saw the coarse fabric, Exhibit No. 5, in 1926, were there any other features in the fabric that would now help you to recognize the coarse piece of fabric, Exhibit 5, as the original piece of fabric?

A. There was another distinct mark in No. 5 fabric, which is a small dot caused by a needle or a sinker not functioning right, which is a distorted loop in the plain piece of fabric. That's all.

Q. 36. Will you locate that feature in the coarse fabric, Exhibit 5.

A. Sure, there it is.

* * * * * * * *

Q. 37. What is so peculiar about that dot, you refer to, to make such an impression on you that you remember it at this time?

A. Well in the piece of fabric, it is such a odd looking loop that it is something which every one's eyes catch right away.

The witness further stated that he saw appellant about 5 or 6 times in 1926, and had not seen him again until he attended the conference held in January, 1933, hereinbefore referred to, at which time, he said, Mr. Gastrich, superintendent of the Textile Machine Works, took Exhibits Nos. 4 and 5 out of an envelope, and showed them to the parties present, which incident he described in the following manner:

A. He told me that this were this fabric which I had seen in '26, and I asked him where this fabric had kept so long and he said Mr. Struve just brought it up.

* * * * * * * *

A. It was about in the middle of the meeting, where he came in with an envelope and opened that envelope and showed us the two pieces of fabric.

* * * * * * * *

A. I believe the meeting was called for the purpose of showing the fabrics again.

Re-D. Q. 356. Was the general non-run situation talked of?

A. Yes, it was discussed.

Christian F. Meyer, chief draftsman of the Textile Machine Works, testified that he had met appellant in July, 1926, (he fixed the date by reference to the memorandum dictated by him—Exhibit No. 20—hereinbefore referred to), at which time he said he saw Exhibits Nos. 4 and 5. The witness testified with the exhibits in his hands.

The witness F. Elwood Struve, general manager of the Apex Hosiery Company, testified that he received Exhibits Nos. 4 and 5 from appellant in December, 1931; that he showed them to Mr. Gustav Gastrich of the Textile Machine Works in the latter's office in January, 1932; that he again showed them and gave them to Mr. Gastrich in January, 1933, prior to the taking of the testimony in this case.

Appellee Graenz, an expert in knitting and hosiery machinery, testified that he met appellant in the spring of 1930 at the Vogue Silk Hosiery Mills; that appellant explained his patented fabric, and stated that an attachment to a full-fashioned machine was necessary in order to make it; that the witnesses Mr. Tait and Mr. Tither were present; that, although not a regular employe of the Vogue Silk Hosiery Mills, he was an expert and employed for the purpose of making "heel attachments"; that after listening to appellant's explanation of his non-run fabric, he gave appellant his card with his name and address thereon, and stated that he might be able to do something, and for appellant to call at his home; that several days later appellant called at his home and suggested that a satisfactory agreement should be entered into by them; that appellant again explained his patented fabric and expressed the desire that appellee perfect an attachment for a full-fashioned machine so that the fabric could be utilized in a commercial way; that, for a period of about 9 months he made many unsuccessful attempts to perfect such an "attachment"; that during that period of time appellant contributed nothing either for appellee's time or for necessary expenses incurred by him; that he had many conversations with appellant on the subject; that various contracts were submitted to him by appellant, to which he did not agree, and, therefore, did not sign; that appellant did not disclose to him the fabric of the involved invention, nor the stitch by which it was made; that, on the contrary, on April 30, 1931, after making many unsuccessful attempts to perfect an "attachment" for the production of appellant's patented fabric, he discovered that he could make a non-run fabric (the one here involved) by shifting certain loops laterally into an adjacent wale in an adjacent course, and, shortly thereafter, perfected an attachment for making the involved non-run fabric; that he made drawings of the present invention, and an attachment for making the same, and disclosed them to others; that in July, 1931, he perfected a full-fashioned machine on which he made complete stockings in conformity with the involved invention, and, on October 8, 1931, filed his application, which matured into the patent here involved; that in July, 1931, he told appellant that he had perfected a non-run fabric (the one here involved) and an attachment for a full-fashioned machine for making it; that he showed appellant a sample of the fabric, but did not explain how it was made; that on December 15, 1931, when appellant and his attorney submitted Exhibit No. 10—a proposed contract to be entered into by the parties, hereinbefore referred to—he again showed appellant a sample of a fabric conforming to the involved invention; that appellant said "it" looked like his "stitch," "I said no, that is my stitch," appellant then replied: "Maybe you are right, it is a different stitch"; that in July, 1931, after he had invented the fabric in issue and an attachment to a full-fashioned machine for making it, he perfected an attachment and also made drawings thereof for making appellant's patented fabric, and, although he never did, was willing, therefore, to enter into a contract with appellant, and accept a subordinate interest in a company formed for the purpose of leasing, selling, or otherwise disposing of *appellant's patented fabric and appellee's attachment* for making it.

The witnesses Samuel Tait, president and treasurer of the Vogue Silk Hosiery Company, and a director, but not a stockholder, of the Non-run Fabric and Machine Corporation, and Ernest Tither, vice president, "mechanical man and superintendent" of the Vogue Silk Hosiery Company, each testified that in the spring of 1930, appellant visited the latter company, and disclosed to them his patented fabric and the stitch by which it was formed; that he did not disclose to them the involved invention or make any reference to it, but, on the contrary, according to the testimony of the witness Tait, stated that the stitch of which his patented non-run fabric was formed "was the only stitch that wouldn't run."

Due to the views we hold, we deem it unnecessary to enter upon a discussion of the evidence relative to appellee's activities prior to the filing of his application October 8, 1931.

The Examiner of Interferences held that appellant was in possession of the invention at least as early as 1926. His conclusion was based upon the testimony of appellant, and the corroborative testimony of appellant's sons Irving and Ira Schwartz, Emil Max Müller, Emil Richter, and Christian F. Meyer. He further held that, as appellant was in possession of the invention and had interested appellee in the general subject-matter, that is the perfection of an attachment for a full-fashioned machine capable of making appellant's patented fabric, it would be presumed, although the testimony of appellant and appellee was conflicting in that regard, that appellant disclosed the invention to appellee; and, accordingly, awarded priority of invention to appellant.

The Board of Appeals sustained that portion of the decision of the Examiner holding that appellant had conceived the invention and made samples thereof at least as early as 1926, long prior to any activities on the part of appellee. In so doing, the Board stated that, in view of the age and relationship of appellant's sons Irving and Ira Schwartz, it recognized the danger of placing too great reliance on their testimony, but, because of its clearness and positiveness, it was entitled to considerable weight.

Relative to appellant's alleged disclosure of the involved invention to the witnesses Müller and Richter, the Board stated:

Coming now to the events of 1926, in which the party Schwartz was endeavoring to interest manufacturers of Reading in his patented fabric, we find that the knitting machine expert, Mifller, testified in the last paragraph of page 226 of the Schwartz record that Schwartz described both fabrics to him and that he particularly examined Form No. 2 with his magnifying glass and found that it was, as stated by Schwartz, spread over to the next wale in the following course. We also find that Richter, who was skilled in the art, on page 278 of the Schwartz record, in the answer to Q. 18, states that Schwartz stated to him in effect that one of his fabrics was made by stretching the loop from one needle to another in the next course. The spreading of the loop into the next course appears to be the way in which the structure of Form No. 2 is described by some of the witnesses. The party Graens contends that after six and one-half years these witnesses must have possessed remarkable memories to testify as to all of the details and Graenz calls attention to the fact that the fabrics had been inspected by these witnesses a short time before the testimony was taken. *It perhaps does appear to be a little remarkable that these witnesses could have remembered with exactitude the many details of the fabrics referred to in their testimony, and of course we appreciate that they were interested witnesses. We have no evidence, however, impeaching their truth and veracity and when two witnesses highly skilled in the art positively testify that in 1926 Schwartz had described to them the stretching or spreading of the loops into the next course, we think their testimony is entitled to great weight.* [Italics ours.]

The Board concluded, however, that the samples of the involved invention made by appellant did not amount to a reduction of the invention to practice, and were nothing more than abandoned experiments; that appellant had failed to establish beyond a reasonable doubt that he had disclosed the invention to appellee; that appellee was an original inventor of the subject-matter of the issue, and was entitled to an award of priority. We quote from the Board's decision:

On the whole, therefore, while some suspicion is created by the party Schwartz' earlier conception of the invention and by the fact that, after he had interested the party Graenz in work along this general line, Graenz should have produced the same fabric that Schwartz had made years before, we can find nothing in the actions of the parties which we consider justifies a holding that the party Schwartz has established beyond a reasonable doubt that he communicated the invention to the party Graens.

The Examiner of Interferences, at the middle of page 9 of his decision, indicates that the surrounding circumstances tend to support the testimony of Schwartz rather than of Graenz. Even if this were so, that does not establish Schwarts' case beyond a reasonable doubt. It is our opinion, however, that the surrounding circumstances, after the meeting of the parties, do not even support Schwarts' contention by a preponderance of evidence. We consider that, as far as these circumstances are concerned, the question is still open to speculation and that it is impossible to determine with any confidence what the truth of the matter really is. Under these conditions, we believe that we are not justified in holding that the party Graenz is untruthful when he states that he is an independent inventor.

The only evidence submitted by appellant tending to establish his conception of the invention in issue prior to appellee's filing date—October 8, 1931—is oral testimony.

In order to establish that he conceived the invention as early as 1924—a date not accorded him by either of the tribunals of the Patent Office, appellant relies on his testimony and that of his two sons, whose testimony was taken some 8½ years later, and who, as hereinbefore noted, were about 17 and 13 years of age, respectively, in 1924.

The sons testified in detail as to a disclosure of the involved invention to them by their father in

1924, and stated that they had made samples of the fabric at that time, and described the method by which such samples were made. However, on cross-examination their memories were somewhat faulty regarding certain incidents and facts, which, in view of their very clear recollection of others relative to the involved invention, they might well be expected to remember.

The witnesses Emil Max Müller and Emil Richter testified that in 1926 appellant disclosed to them his patented fabric and the fabric here involved, and that they then saw Exhibits Nos. 4 and 5. Although their testimony was taken approximately 6½ years later, they described those exhibits in minute detail. It is true that at a meeting, hereinbefore referred to, which was held for the purpose of discussing the issues in this case two weeks prior to the taking of their testimony, the witnesses examined Exhibits Nos. 4 and 5, and were told in substance by Mr. Gastrich, superintendent of the Textile Machine Works, that they had seen them in 1926. The probabilities are, therefore, that their ability to give such a minute description of those exhibits was due to their more recent examination of them, rather than to an independent recollection of them as of 1926.

The witness Meyer was also present at that meeting, and, although he had the opportunity of examining the exhibits, he stated he did not do so, but merely held them in his hands.

The fact that there were conferences between appellant and the witnesses Müller and Richter, and that the witness Meyer was present at one of them is not doubted, nor is the fact that the Berkshire Knitting Mills entered into an option agreement in July, 1926 with appellant for the purchase by that company of appellant's rights, title, and interest in and to his patent No. 1,470,490. However, there is absolutely nothing in the memorandum—Exhibit No. 20—nor in the option agreement—Exhibit No. 14—to indicate that any of the representatives of the Berkshire Knitting Mills or the Textile Machine Works had any knowledge of any non-run fabric, except the one covered by appellant's patent. In view of the differences in the fabrics represented by Exhibits Nos. 4 and 5, and the fact that the representatives of those two companies, including the witnesses Müller, Richter, and Meyer, and others who did not testify, were business men and experts in the art involved, it is a strange circumstance that no reference was made in either of those exhibits to the non-run fabric here at issue.

There are three other exhibits of record which, it would seem, ought, under ordinary circumstances, to corroborate appellant's claim that he was in possession of the involved invention prior to appellee's filing date—Exhibits Nos. 8, 9, and 10, proposed contracts submitted to appellee by appellant.

As hereinbefore stated, Exhibit No. 8 was dated June, 1930, Exhibit No. 9, 1931, presumably July, and Exhibit No. 10, December, 1931, and in none of them is there any reference to any non-run fabric, except the one covered by appellant's patent.

Appellant admits that he did not disclose the fabric of the present invention to appellee for at least a month after he had explained to him the stitch of his patented fabric.

Appellant, without any corroboration, attempts to explain away his failure to produce some tangible documentary evidence relative to his possession of the involved invention, by saying that he was informed by his attorneys, Mr. Denes and Mr. Root, who prosecuted his application which matured into Patent No. 1,470,490, that the fabric embodying the involved invention was covered by his application then pending in the Patent Office, and, it is argued, that, for that reason, no particular mention was made of the involved invention in any of the exhibits of record.

It may be observed that, although appellant was making considerable effort during the period from 1923 to 1931 to dispose of his invention to various hosiery manufacturers, he never made a drawing of the stitch forming the fabric of the present invention until 1931.

[1] Although, of course, oral testimony may be sufficient to establish priority of invention, or to warrant a favorable decision to the party producing it on the issue of originality, it should, in the absence of any corroborative documentary evidence, be carefully scrutinized, particularly where it is adduced, as in the case at bar, 6½ to 8½ years after the happening of events. See *Frank Jardine et al.* v. *Elmer C. Long*, 19 C. C. P. A. (Patents) 1243, 58 F.(2d) 836, 423 O. G. 933; *Galamb* v. *Gilmer*, 21 C. C. P. A. (Patents) 918, 68 F.(2d) 967, 445 O. G. 7; *The Barbed Wire Patent*, 143 U. S. 275, 58 O. G. 1555; *Deering* v. *Winona Harvester Works*, 155 U. S. 286, 69 O. G. 1641; *Symington Co.* v. *National Castings Co.*, 250 U. S. 383, 264 O. G. 807; *Eibel Company* v. *Paper Company*, 261 U. S. 45, 310 O. G. 3.

In the case of *Deering* v. *Winona Harvester Works*, supra, the court made the following pertinent observation:

> Granting the witnesses to be of the highest character, and never so conscientious in their desire to tell only the truth, the possibility of their being mistaken as to the exact device used, which, though bearing a general resemblance to the one patented, may differ from it in the very particular which makes it patentable, are such as to render oral testimony peculiarly untrustworthy; particularly so if the testimony be taken after the lapse of years from the time the alleged anticipating device was used.

In the case of *Symington Co.* v. *National Castings Co.*, supra, the Supreme Court, among other things, said:

> This court has pointed out that oral testimony tending to show prior invention as against existing Letters Patent is, in the absence of models, drawings or kindred evidence, open to grave suspicion; particularly if the testimony be taken after the lapse of years from the time of the alleged invention.

Again in the *Eibel Company* case, supra, the Supreme Court, considering a kindred question, among other things, said:

> The temptation to remember in such cases and the ease with which honest witnesses can convince themselves after many years of having had a conception at the basis of a valuable patent, are well known in this branch of law, and have properly led to a rule that evidence to prove prior discovery must be clear and satisfactory.

[2] Considering the oral testimony, adduced and relied upon by appellant to establish that he conceived the involved invention prior to appellee's filing date, in connection with the admitted facts and circumstances of record, "in the light of human experience and * * * [with] such knowledge of human nature as the courts possess," we are constrained to disagree with the conclusion reached by the tribunals of the Patent Office that the evidence is sufficient to establish beyond a reasonable doubt that appellant conceived the involved invention prior to his coming in contact with appellee.

In so holding, we do not wish to be understood as questioning the honesty and good faith of appellant or the witnesses who testified for him. We base our conclusion solely on the proposition that, in view of the known facts and circumstances in the case, the oral testimony, adduced 6½ and 8½ years after the happening of events to which it was directed, in the absence of any corroborative documentary evidence, is not sufficient to warrant a holding that appellant has established beyond a reasonable doubt that he was the prior inventor.

Holding this view, it is, of course, unnecessary for us to consider other issues determined by the tribunals of the Patent Office, or presented to us by counsel for the parties. Accordingly, although we are not in accord with the reasoning of the Board of Appeals, we concur in the conclusion reached by that tribunal.

The decision is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,125,476, G. Claude, System of illuminating by luminescent tubes, D. C. Oreg. (Portland), Doc. E 9206, *Claude Neon Electrical Products, Inc., et al.* v. *C. A. Canfield et al.* (*Canfield-Lewis Co.*). Dismissed Mar. 23, 1936.

1,212,840, F. J. Straub, Building block and method of making, D. C., N. D. Ill., E. Div., Doc. 9701, *Crosier-Straub, Inc.*, v. *Northern Concrete Construction Co.* Dismissed without prejudice Mar. 24, 1935.

1,237,138, A. A. Wyckoff, Lock, D. C., N. D. Ill., E. Div., Doc. 10701, *American Locker Co.* v. *Superior Locker Co.* Dismissed by stipulation without prejudice Jan. 28, 1936.

1,262,860, S. B. Smith, Incubator, D. C., N. D. Calif. (San Francisco), Doc. E 3854–S, *S. B. Smith* v. *J. E. Kimber*. Dismissed with prejudice Mar. 20, 1936. Same, C. C. A., 2d Cir., Doc. —, *S. B. Smith* v. *A. B. Hall et al.* Decree reversed (notice Apr. 6, 1936). Doc. 14488, *S. B. Smith* v. *James Mfg. Co. et al.* Decree reversed (notice Apr. 6, 1936). Same, D. C. N. J., Doc. E 5117, *S. B. Smith* v. *R. C. Walker*. Dismissed Oct. 3, 1935. Same, D. C., W. D. Mo. (Kansas City), Doc. 19–C, *S. B. Smith* v. *R. J. Loughridge*. Judgment for plaintiff Dec. 18, 1935.

1,298,272, C. E. Anderson, Latch, filed Feb. 27, 1936, D. C., N. D. Ill., E. Div., Doc. 15063, *Chicago Forging & Mfg. Co.* v. *Stewart-Warner Corp. et al.*

1,356,608, J. V. Dorr, Thickener, filed Mar. 24, 1936, D. C., N. D. Ill., E. Div., Doc. 15097, *The Dorr Co., Inc.*, v. *Link Belt Co.*

1,407,297, T. W. Pritchard, Cleaning and scouring compound, D. C., E. D. N. Y., Doc. E 6697, *Zevon Co., Inc.*, v. *Atlas Gum & Sizing Co., Inc., et al.* Decree for defendant dismissing complaint Apr. 2, 1936.

1,410,499, A. Pacs, Metals and their manufacture, D. C., S. D. N. Y., Doc. E 76/378, *General Electric Co.* v. *N. Y. Merchandise Co., Inc.* Consent decree for plaintiff (notice Apr. 4, 1936).

1,423,956, Mitchell & White, Tipless incandescent lamp, D. C., N. D. Ill., E. Div., Doc. 14282, *General Electric Co.* v. *All-States Sales Corp. et al.* Consent decree holding claims 6, 7, and 19 to 24, incl. valid Mar. 25, 1936.

1,434,597, J. V. Dorr, Settling apparatus, filed Mar. 24, 1936, D. C., N. D. Ill., E. Div., Doc. 15098, *The Dorr Co., Inc.*, v. *Link-Belt Co.*

1,435,199, L. V. Blair, Heat insulated receptacle, D. C., N. D. Ill., E. Div., Doc. 7730, *The Monarch Co., Inc., et al.* v. *The Mantle Lamp Co. of America.* Order under Mandate U. S. C. C. A.: Injunction dissolved, bill and supplemental bill dismissed for want of equity Mar. 2, 1936.

1,534,478, W. J. Wiswall, Manifolding book, filed Mar. 30, 1936, D. C., S. D. N. Y., Doc. E 82/346, *American Sales Book Co., Inc.*, v. *W. Rosenauer* (*A. W. Abbey & Co.*).

1,539,701, E. C. Sutherland, Process of bleaching, preserving and increasing the baking qualities of flour and other milling products, filed Mar. 31, 1936, D. C., S. D. N. Y., Doc. E 82/347, *Novadel-Agene Corp.* v. *K. Gulbenkian.*

1,550,145, H. J. Bradt, Demountable rim for vehicle wheels, D. C., E. D. Mich. (Detroit), Doc. 7453, *H. J. Bradt* v. *Kelsey-Hayes Wheel Corp.* Dismissed Apr. 6, 1936.

1,551,381, T. M. Foss, Emergency rivet, filed Apr. 2, 1936, D. C., S. D. Calif. (Los Angeles), Doc. E 884–Y, *Hookless Fastener Co.* v. *Ellis-Klatscher & Co.*

1,557,381, G. Sundback, Fastener, filed Apr. 2, 1936, D. C., S. D. Calif. (Los Angeles), Doc. 883–Y, *Hookless Fastener Co.* v. *H. Greenberg et al.* (*American Merchandise Co.*). Doc. E 885–S, *Hookless Fastener Co.* v. *National Silver Co. et al.*

1,568,215, C. S. Fleming, Paint, filed Mar. 21, 1936, D. C., N. D. Ill., E. Div., Doc. 15087, *The Paraffine Co., Inc., et al.* v. *The Lehon Co.* Doc 15088, *The Paraffine Co., Inc., et al.* v. *Armstrong Paint & Varnish Works, Inc.*

1,579,628, Berg & Imhoff, Process of weighting fibers and the product thereof, D. C. N. J., Doc. E 4590, *O. Berg et al.* v. *Textile Dyeing & Printing Co. of America, Inc.* Dismissed Mar. 3, 1936.

1,581,188, C. G. Fink, Process of electrodepositing chromium and of preparing baths therefor, filed Apr. 2, 1936, D. C., E. D. N. Y., Doc. —, *United Chromium, Inc.*, v. *Schmerzler et al.*

1,607,047, L. W. Bertelsen, Jr., Method of making artificial cork, filed Feb. 21, 1936, D. C. N. J., Doc. E 5433, *Armstrong Cork Co.* v. *United Cork Co.*

1,621,475, W. M. Cross, Method and apparatus for treating petroleum hydrocarbons, filed Mar. 23, 1936, D. C. Md., Doc. E 2437, *Cross Development Corp.* v. *Continental Oil Co.*

1,672,513, J. W. Baird, Shock absorbing apparatus, filed Mar. 13, 1936, D. C., N. D. Ill., E. Div., Doc. 15081, *J. W. Baird* v. *Chrysler Motor Corp. et al.*

1,679,877, B. Rolfs, Bill folder, filed Mar. 16, 1936, D. C. N. J., Doc. E 5447, *Amity Leather Products Co.* v. *Seco Leather Products Co.*

1,700,985, C. H. Jasper, Process and device for joining, finishing and final insulating wire terminals of electrical conductors, D. C., N. D. Ill., E. Div., Doc. 9757, *Ideal Commutator Dresser Co. et al.* v. *Harrison Wholesale Co.* Consent decree holding patent valid and infringed Mar. 10, 1936.

1,728,837, G. Slayter, Method of heat insulating, D. C., N. D. Ill., E. Div., Doc. 14184, *Slayter & Co.* v. *Therm-O-Proof Insulating Co.* Decree on mandate (which reversed decree of lower court) dismissing bill for want of equity Jan. 21, 1936.

1,729,392, J. P. Landrum, Internal combustion engine, D. C., N. D. Ill., E. Div., Doc. 11240, *J. P. Landrum et al.* v. *Johnson Motor Co.* Consent decree holding patent valid and infringed Mar. 26, 1936.

1,779,458, E. F. Annis, Air filter, D. C., S. D. Calif. (Los Angeles), Doc. E 785–S, *E. F. Annis et al.* v. *King-Knight Co. et al.* Dismissed without prejudice Apr. 3, 1936.

1,788,827, A. W. Ferrin, Safety control device for liquids, filed Apr. 3, 1936, D. C., S. D. N. Y., Doc. E 82/361, *Detroit Lubricator Co.* v. *Automatic Products Co. et al.*

1,814,967, T. M. Royal, Bag, filed Mar. 24, 1936, D. C. Md., Doc. E 2439, *Ramco, Inc.*, v. *Allied Paper Bag Corp.*

1,819,909, V. Massacese, Bed spring brace, D. C., E. D. N. Y., Doc. E 7858, *V. Massacese* v. *Superior Steel Bed Co., Inc.* Consent decree for plaintiff Apr. 2, 1936.

1,829,718, E. Anderson, Venetian blind bracket, filed Mar. 28, 1936, D. C., S. D. Calif. (Los Angeles), Doc. E 880-S, *F. Hann* v. *Venetian Blind Corp. et al.*

1,834,070, J. J. Parkinson, Heating device, filed Nov. 23, 1935, D. C. N. J., Doc. E 5333, *Parkinson Heater Corp. et al.* v. *Swan Mfg. Co.*

1,835,636, J. Corbit, Chromium plated article, D. C., N. D. Ill., E. Div., Doc. 14238, *Westinghouse Electric & Mfg. Co.* v. *Waage Mfg. Co., Inc., et al.* Dismissed by stipulation (defendant granted license under the patent) Feb. 11, 1936.

1,865,037, A. Novick, Method of making window envelopes, filed Mar. 24, 1936, D. C. Md., Doc. E 2438, *Ramco, Inc., et al.* v. *Allied Paper Bag Corp.*

1,865,995, A. L. Wurster, Cravat holder, D. C. R. I., Doc. 532, *Wreal Cravat Holder Co., Inc., et al.* v. *B. J. Lally.* Discontinued Apr. 2, 1936. Same, D. C., E. D. N. Y., Doc. E 7323, *A. L. Wurster et al.* v. *M. Stark.* Decree pro confesso for plaintiff Apr. 4, 1936. Doc. E 7584, *Wreal Cravat Holder Co., Inc.*, v. *Freedman's Department Store, Inc., et al.* Dismissed Apr. 7, 1936.

1,867,330, H. Schwartzman, Attaching device, D. C., S. D. N. Y., Doc. E 81/391, *H. Schwartzman* v. *B. Friedenberg et al.* (*Friedenberg & Kaplan*). Consent order of discontinuance (notice Mar. 30, 1936).

1,870,942, D. C. Beatty, Syringe, appeal filed Apr. 3, 1936, C. C. A., 2d Cir., Doc. 14660, *Gynea Corp. et al.* v. *Dike Institute of Feminine Hygiene, Inc., et al.*

1,900,629, R. P. Wuerfee, Radio circuit, D. C. Del., Doc. E 1040, *International Research Corp.* v. *U. S. Radio & Television Corp.* Decree upon stipulation, dismissing bill Mar. 30, 1936.

1,935,905, W. A. Gresenz, Package for interfolded sheet material, filed Feb. 27, 1936, D. C., N. D. Ill., E. Div., Doc. 15064, *International Cellucotton Products Co.* v. *W. T. Grant Co.*

1,960,048, A. W. Bruce, Machine and method for automatically treating poultry, filed Mar. 31, 1936, D. C. Kans. (Ft. Scott), Doc. 461-N, *A. W. Bruce* v. *E. Aaron, Inc.*

1,973,277, A. R. Barfield, Electro-acoustic translating device, filed Feb. 17, 1936, D. C. Md., Doc. E 2432, *G. G. Cromartie et al.* v. *Montgomery Ward & Co.*

2,003,261, N. B. Lund, Thickener, filed Mar. 24, 1936, D. C., N. D. Ill., E. Div., Doc. 15096, *The Dorr Co., Inc.*, v. *Link-Belt Co.*

2,009,990, Levenson & Berger, Undergarment, D. C., S. D. N. Y., Doc. E 81/338, *Boston Knitting Mills, Inc.*, v. *S. P. Haight et al.* (*A. S. Haight & Co.*). Consent order of discontinuance (notice Mar. 31, 1936).

2,026,779, Faith & Klasstorner, Automobile accessory, filed Mar. 26, 1936, D. C., N. D. Ill., E. Div., Doc. 15102, *Faith Mfg. Co.* v. *Badger Tool & Mfg. Co.*

2,035,576, J. L. Taylor, Dynamometer, filed Apr. 8, 1936, D. C., E. D. Wis. (Milwaukee), Doc. 4870, *J. L. Taylor* v. *O. Stegemen et al.*

Re. 18,074, H. Weinrub, Control for knitting machines, D. C., S. D. N. Y., Doc. E 78/198, *I. Weinrub* v. *Eastern Trimming & Cord Co., Inc., et al.* Consent order of discontinuance without prejudice (notice Mar. 30, 1936). Doc. E 78/199, *I. Weinrub* v. *Acme Braid Co., Inc.* Decree as above.

Re. 19,141, L. Larsen, Spring base furniture, filed Apr. 2, 1936, D. C., S. D. N. Y., Doc. E 82/355, *Heywood-Wakefield Co.* v. *Frank & Son, Inc.*

Des. 85,738, H. G. Dibelka, Radiator cap, D. C., N. D. Ill., E. Div., Doc. 11712, *The Norlipp Co.* v. *Faith Mfg. Co. et al.* Dismissed by stipulation Dec. 17, 1935.

Des. 89,304, A. Grosa, Lens for automobile lamps, D. C., S. D. N. Y., Doc. E 76/386, *A. G. Sales Co., Inc.*, v. *W. Kobrin et al.* (*Snap-Lite Co.*). Consent decree for plaintiff (notice Mar. 30, 1936).

Des. 97,805, C. Emmey, An applique emblem, filed Mar. 30, 1936, D. C., E. D. N. Y., Doc. E 7928, *Frances Emblem, Inc., et al.* v. *M. Sayegh et al.* Same, D. C., S. D. N. Y., Doc. E 82/342, *Frances Emblems, Inc., et al.* v. *H. R. Coffino et al.* (*Empire Mfg. Co.*).

Des. 97,981, B. Benjamin, Shoe, filed Apr. 9, 1936, D. C., E. D. N. Y., Doc. E 7933, *Schwartz & Benjamin, Inc.*, v. *A. S. Beck Shoe Corp.*

T. M. 16,599. (See T. M. 46,450.)

T. M. 46,450, Emerson Drug Co., Medical compound, D. C., N. D. Ill., E. Div., Doc. 14657, *The Emerson Drug Co.* v. *C. Honoroff* (*Bromo Chemical Co.*). Decree holding T. M. 16,599 and T. M. 46,450 valid and infringed and ordering injunction Feb. 20, 1936. "Note: T. M. 16,599 is not mentioned in bill or supplemental bill but is included in Master's report and decree."

T. M. 60,198, J. Wedgwood & Sons, Ltd., Vessels of earthenware, glazed and baked porcelain vessels, and stoneware, including jasper, D. C., N. D. Ill., E. Div., Doc. 14969, *J. Wedgwood & Sons, Ltd., et al.* v. *L. Kaul.* Consent decree, holding trade-mark valid and infringed and injunction issued Feb. 10, 1936. (To correct error in 464 O. G., 8, formerly reported as T. M. 62,522.)

T. M. 63,492, G. Heileman Brewing Co., Beer, D. C., N. D. Ill., E. Div., Doc. 14306, *G. Heileman Brewing Co.* v. *Old Style Lager Mfg. & Distributing Co., et al.* Consent decree, enjoining defendants Feb. 29, 1936.

T. M. 72,228, Martell & Co., Brandies, filed Feb. 29, 1936, D. C., N. D. Ill., E. Div., Doc. 15067, *J. B. Martell, et al.* v. *California Wine Co., Inc.*

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 16, 1936

[VOL. 467. No. 3]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 374,290. H. GARTENBERG & CO., Chicago, Ill. Filed Jan. 30, 1936.



The words "Tanners' Egg Yolk", "Egg Yolk for All Leathers", "Fat Liquor", and "H. Gartenberg & Co." are disclaimed apart from the mark shown.

For Tanners' Egg Yolk Liquid.

Claims use since Jan. 1, 1936.

Ser. No. 374,459. FARMERS' COOPERATIVE EXCHANGE, Raleigh, N. C. Filed Feb. 4, 1936.



For Field and Garden Seeds.

Claims use since June, 1934.

CLASS 2

Receptacles

Ser. No. 377,663. EMILY WARDMAN BELL, San Marino, Calif. Filed Apr. 27, 1936.



The word "Pan" is disclaimed apart from the mark.

For Sanitary Toilet Pan for Pets.

Claims use since Feb. 27, 1936.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

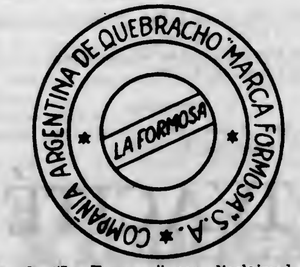
Ser. No. 370,161. G. J. WELLINGTON, doing business as Retardol Laboratories, Los Angeles, Calif. Filed Oct. 5, 1935.

RETARDOL

For Medicinal and Healing Preparation to be Applied on the Skin for the Purpose of Retarding and Alleviating Pain and the Sensation of Pain.

Claims use since May 15, 1934.

Ser. No. 370,598. COMPANIA ARGENTINA DE QUEBRACHO 'MARCA FORMOSA' SOCIEDAD ANONIMA, Buenos Aires, Argentina. Filed Oct. 21, 1935.



The words "La Formosa" are disclaimed apart from the mark.

For Tanning Extracts of Vegetable Origin.

Claims use since June 14, 1928.

Ser. No. 371,563. STEPHEN A. LORCZAK, doing business as Wisla Remedy Company, Newark, N. J. Filed Nov. 14, 1935.

WISLA

For Herb Tea for Use in Connection With the Relief of Colds, as a Laxative, and as a General Tonic, and Liniment for External Use.
Claims use since Oct. 11, 1935.

Ser. No. 371,642. LIDA KANGUR, New York, N. Y. Filed Nov. 16, 1935.



The words "Use Hair Ointment", "It Revives", and "It Preserves" are disclaimed apart from the mark shown.
For Hair and Scalp Preparation.
Claims use since Nov. 1, 1935.

Ser. No. 373,163. VERA COX, Newark, N. J. Filed Dec. 30, 1935.

Vee Cee

For Cleansing Cream, Vanishing Cream, Cleansing Oil, Massage Cream and Eczema Special Cream.
Claims use since Dec. 1 1934.

Ser. No. 373,511. EMANUEL M. JOSEPHSON, doing business as Iodobor Co., New York, N. Y. Filed Jan. 8, 1936.

I-B

STAINLESS IODINE POWDER

The words "Stainless Iodine Powder" are disclaimed apart from the mark as shown.
For Iodine Powder Used as an Antiseptic.
Claims use since Jan. 1, 1935.

Ser. No. 373,580. VADSCO SALES CORPORATION, Long Island City, N. Y. Filed Jan. 11, 1936.

VIVACITÉ

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream or Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Dusting Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Hair Dressing, Brilliantine, Bath Salts, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Powders, Nail Polishes, Nail Creams, Nail Bleaches, Witch Hazel Salve, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since Aug. 16, 1935.

Ser. No. 373,844. TAYWAL CORPORATION, Chattanooga, Tenn. Filed Jan. 18, 1936.

TAYWAL

TIN-KOLD

For Flux for Preparing Metal for Further Finishes.
Claims use since August, 1931.

Ser. No. 374,253. MIROSLAW SZCZEPKOWSKI, doing business as The Carpathian Import Herbs Co., Chicago, Ill. Filed Jan. 29, 1936.

RUNO

For Medicine for Colds, Rheumatic, and Muscular Pains.
Claims use since May 1, 1916.

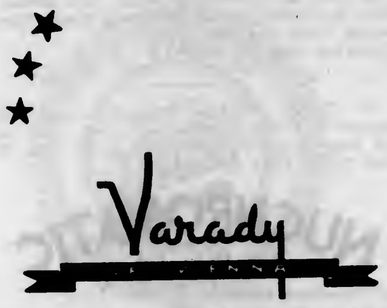
Ser. No. 374,631. DR. G. W. PARK, INC., Tyler, Tex. Filed Feb. 8, 1936.

DR. G. W. PARK'S
Original
Prescription



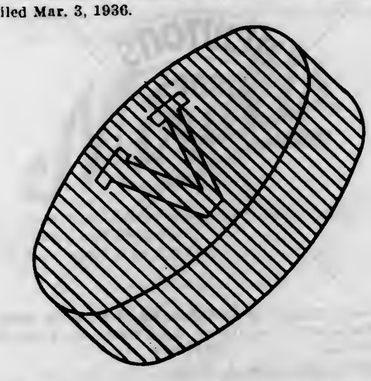
The name "G. W. Park, M. D." is a facsimile of the signature of G. W. Park. The words "Original Prescription" and Coco Pepsin" are disclaimed except as shown. The drawing is lined for orange.
For Laxative.
Claims use since Jan. 1, 1936.

Ser. No. 374,696. ARMIN VARADY, INCORPORATED, Chicago, Ill. Filed Feb. 10, 1936.



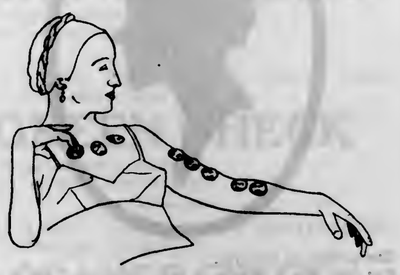
The words "Of Vienna" are disclaimed except as shown.
For Face Powders, Face Creams, and Face Oils.
Claims use since Feb. 5, 1936.

Ser. No. 375,526. VAN MOLON, INC., Philadelphia, Pa. Filed Mar. 3, 1936.



The drawing is lined for green. No claim is made to the representation of the tablet apart from the mark as shown.
For Tablets Used in Relieving Sour Stomach, Heartburn, and Indigestion.
Claims use since Feb. 18, 1936.

Ser. No. 375,636. FRANCIS ELMQUIST, doing business as House of Twigs, Kansas City, Mo. Filed Mar. 6, 1936.
The portrait is fanciful.



For Astringents, Cleansing Cream, All Purpose Creams, Vanishing Creams, and Deodorant.
Claims use since Feb. 3, 1936.

Ser. No. 375,712. MEDIPAC PRODUCTS LIMITED, Ipswich, England. Filed Mar. 7, 1936.

WHITEWINGS

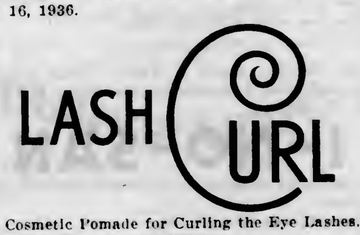
For Medicated Preparation for Human Use in the Treatment of Travel Sickness.
Claims use since Mar. 14, 1935.

Ser. No. 375,918. ACME CHEMICAL COMPANY, Milwaukee, Wis. Filed Mar. 13, 1936.

THERMOX

For Soot Destroyer and Fuel Saver.
Claims use since Jan. 2, 1936.

Ser. No. 376,046. HERBERT E. GRAVES, Chicago, Ill. Filed Mar. 16, 1936.



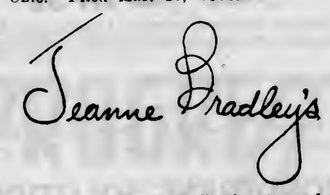
For Cosmetic Pomade for Curling the Eye Lashes.
Claims use since June 1, 1933.

Ser. No. 376,051. I. F. LAUCKS, INC., Seattle, Wash. Filed Mar. 16, 1936.

ZUF

For Synthetic Resins.
Claims use since Mar. 7, 1936.

Ser. No. 376,080. JEANNE BRADLEY, INCORPORATED, Cleveland, Ohio. Filed Mar. 17, 1936.



The handwriting is the facsimile signature of the president of the applicant corporation
For Facial Preparation Characterized Essentially by an Oil Base and Recommended for Cleansing the Skin of the Face.
Claims use since Feb. 8, 1936.

Ser. No. 376,125. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany. Filed Mar. 18, 1936.

Vinoflex

For Polymerized Vinyl Compounds in the Form of Solids, Solutions, or Emulsions Suitable for Various Uses in the Industrial Arts.
Claims use since July 1, 1935.

Ser. No. 376,145. STANDARD LABORATORIES, INC., Boston, Mass. Filed Mar. 18, 1936.

ARTHOX

For Certain Medicine for Use as an Aid in the Treatment of Arthritis and of Similar and Related Conditions.
Claims use since July, 1933.

Ser. No. 376,186. AMERICAN CHEMICAL PAINT COMPANY, Ambler, Pa. Filed Mar. 20, 1936.

FOSFORINE

For Chemical Substances Used in Treating Metals Preparatory to Painting.
Claims use since February, 1936.

Ser. No. 376,315. LOUIS I. WEINER, doing business as Pharma-Clinical Laboratories, New York, N. Y. Filed Mar. 23, 1936.

I-NO-SAN

For Medicinal Preparation for the Relief of Rose and Hay Fever.
Claims use since Mar. 2, 1936.

Ser. No. 376,503. THOMPSON-HAYWARD CHEMICAL COMPANY, Kansas City, Mo. Filed Mar. 27, 1936.

Hortigard

For Agricultural-Horticultural Spray.
Claims use since Mar. 1, 1935.

Ser. No. 376,530. DORIS DRAKE, New York, N. Y. Filed Mar. 28, 1936.

Le Dorsi

For Shampoo Powders, Shampoo Liquids, and Lanoline Compounds for Promoting the Growth of Hair and the Like.
Claims use since Mar. 1, 1934.

Ser. No. 376,533. WILLIAM E. HUBER, doing business as Wonderene Company, Milwaukee, Wis. Filed Mar. 28, 1936.

WONDERENE SOLUTION

The word "Solution" is disclaimed apart from the mark.
For Liquid Preparation Used for Bleaching, Cleaning, Sterilizing, Disinfecting, and Deodorizing.
Claims use since Sept. 10, 1932.

Ser. No. 376,597. CHARLES MEYER, doing business as Sovereign Products Company, Chicago, Ill. Filed Mar. 30, 1936.

Evening Star

For Toilet Preparations—Namely, Skin Bleach Creams, Cleansing Creams, Face Creams, Face Powders, Talcum Powders, Body Powders, Hand Lotions, Face Lotions, Hair Powders, Hair Shampoos, Hair Tonic, Hair Strength Preparation for Invigorating the Scalp and Strengthening the Hair, Hair Dressing Pomades, Hair Slicker Oil, Quinine Hair Tonic, Creams, Perfumes, Rouge, Lipstick, Eye-Brow Pencil, and Bath Salts.
Claims use since Oct. 2, 1935.

Ser. No. 376,654. DE LONG LABORATORIES, INC., doing business as Elizabeth Arden Laborntories, and Screen and Stage Make-Up by Elizabeth Arden, Ltd., Hollywood, Calif. Filed Apr. 1, 1936.

NUCHROMATIC

For Foundation Cream.
Claims use since July 1, 1935.

Ser. No. 376,683. JOSEPH S. LUCAS, doing business as Medical Products Co., New Orleans, La. Filed Apr. 1, 1936.



The word "Drops" is disclaimed apart from the mark.
For Preparation for Use in Head Colds and Irritations of the Throat.
Claims use since Jan. 1, 1936.

Ser. No. 376,972. THE WILDROOT COMPANY, INC., Buffalo, N. Y. Filed Apr. 8, 1936.



The picture is fanciful.
For Hair Tonic, Shampoo, Hair Dress, Hair Wave Powder, Hair Wave Chemical for Wave Set, Hair Wave Oil, and Brilliantine.
Claims use since Sept. 1, 1929.

CARNEGIE LIBRARY OF ATLANTA

Ser. No. 377,119. FRANK G. KRYSTON, Brooklyn, N. Y. Filed Apr. 11, 1936.



The words "A Strip of" and "Is Your Acid Test" are disclaimed apart from the mark shown.
For Prepared Litmus Paper to Test Acid Conditions of Alkalinity of the Human Mouth.
Claims use since Apr. 1, 1936.

Ser. No. 377,417. S. PFEIFFER MANUFACTURING COMPANY, St. Louis, Mo. Filed Apr. 20, 1936.

Miralis

For Hair and Scalp Stimulator Preparation, After Shaving Balm, and Shampoo.
Claims use since Mar. 1, 1936.

CLASS 7

Cordage

Ser. No. 377,960. COLUMBIAN ROPE COMPANY, Auburn, N. Y. Filed May 4, 1936.

BLUE CHECK

For Vegetable Fiber Twine.
Claims use since Apr. 15, 1936.

Ser. No. 377,961. COLUMBIAN ROPE COMPANY, Auburn, N. Y. Filed May 4, 1936.

BROWN CHECK

For Vegetable Fiber Twine.
Claims use since Apr. 15, 1936.

Ser. No. 377,963. COLUMBIAN ROPE COMPANY, Auburn, N. Y. Filed May 4, 1936.

GREEN CHECK

For Vegetable Fiber Twine.
Claims use since Apr. 15, 1936.

Ser. No. 377,964. COLUMBIAN ROPE COMPANY, Auburn, N. Y. Filed May 4, 1936.

ORANGE CHECK

For Vegetable Fiber Twine.
Claims use since Apr. 15, 1936.

Ser. No. 377,965. COLUMBIAN ROPE COMPANY, Auburn, N. Y. Filed May 4, 1936.

PURPLE CHECK

For Vegetable Fiber Twine.
Claims use since Apr. 15, 1936.

Ser. No. 377,966. COLUMBIAN ROPE COMPANY, Auburn, N. Y. Filed May 4, 1936.

RED CHECK

For Vegetable Fiber Twine.
Claims use since Apr. 15, 1936.

CLASS 11

Inks and Inking Materials

Ser. No. 375,116. AUTOGRAPHIC REGISTER COMPANY, Hoboken, N. J. Filed Feb. 24, 1936.

DUROGRAPHIC

For Carbon Paper.
Claims use since Sept. 4, 1935.

Ser. No. 377,774. CHEMCO PHOTOPRODUCTS COMPANY, Glen Cove, Long Island, N. Y. Filed Apr. 29, 1936.

POWERS
Glascote
ENAMEL

The word "Enamel" is disclaimed.
For Etching Enamel for Engravers' Plates.
Claims use since Jan. 1, 1934.

Ser. No. 377,864. THE SUPERIOR TYPE COMPANY, Chicago, Ill. Filed Apr. 30, 1936.

PROGRESS

For Marking Device Inks, Such as Rubber Stamp Ink, Opaque Ink, Numbering Machine Ink, and Stencil Ink.
Claims use since May 4, 1933.

CLASS 12

Construction Materials

Ser. No. 367,862. KASPAR WINKLER & Co., Zurich-Alstetten, Switzerland. Filed July 31, 1935.

lgas

For Plastic Materials of Asphalt, Tar, Resin, Linseed Oil, or Mixtures Thereof, With or Without the Addition of Fibrous Substances, for Use as Resilient Filling for Gaps and Cracks, for Coatings and as Adhesives.
Claims use since Dec. 31, 1915.

Ser. No. 375,053. A. C. HORN COMPANY, Long Island City, N. Y. Filed Feb. 20, 1936.

HORNEX

For Rubber Compound for the Filling of Joints, as a Weatherstripping and as an Adhesive.
Claims use since Nov. 1, 1935.

Ser. No. 375,054. A. C. HORN COMPANY, Long Island City, N. Y. Filed Feb. 20, 1936.



No claim is made to the representation of the container apart from the mark shown.
For Caulking and Glazing Compound to be Used in Connection with Building Structures.
Claims use since Oct. 1, 1935.

Ser. No. 375,665. QUIGLEY COMPANY, INC., New York, N. Y. Filed Mar. 6, 1936.

Q-COTE

No claim is made to the word "Cote" apart from the mark shown.
For Refractory Mortar.
Claims use since Dec. 5, 1935.

Ser. No. 375,961. STELWAGON MANUFACTURING COMPANY, Philadelphia, Pa. Filed Mar. 13, 1936.

AJAX

For Building Papers, Roofing Felts, Asphalt Shingles, Asphalt Sheathing, Mineral Surfaced Roofing, Asphalt Brick Siding, Asphalt Smooth Surfaced Roofing, Tarred and Asphalt Felts.
Claims use since Jan. 28, 1886.

Ser. No. 376,922. REYNOLDS CORPORATION, New York, N. Y. Filed Apr. 7, 1936.

"HOME WITH THE SILVER LINING"

For Building Paper, Laminations of Metallic Foil and Paper for Thermal Insulation Purposes, a Plaster Ground or Base, Building Slabs, Composite Fabrics of Wire and Paper for Plaster Supporting Elements, Composite Fabrics of Wire and Paper and Foil for Plaster Supporting Elements, Framing Members and Joists and Studs Formed of Sheet Metal with a Cementitious Filler.
Claims use since Mar. 6, 1936.

Ser. No. 377,161. WILLIAM HENRY MILLER, Washington, D. C. Filed Apr. 13, 1936.



The words "Floors" and "Products" are disclaimed apart from the mark shown.
For Composition Flooring Material Composed of Magnesite, Silex, Asbestos Fibre, Talc, Wood Flour, Chloride of Magnesia, and Iron Oxide Colors.
Claims use since June 1, 1914.

Ser. No. 377,455. THE CLEVELAND GYPSUM COMPANY, Cleveland, Ohio. Filed Apr. 21, 1936.

HUSHKOTE

For Acoustical and Sound Absorbing Plaster.
Claims use since Mar. 27, 1936.

Ser. No. 377,702. NATURAL SLATE PRODUCTS COMPANY, Palm Beach, Fla. Filed Apr. 27, 1936.

SURFA-SLATE

The word "Slate" is disclaimed apart from the mark as shown.
For Building Blocks and Tile.
Claims use since Apr. 24, 1936.

CLASS 13

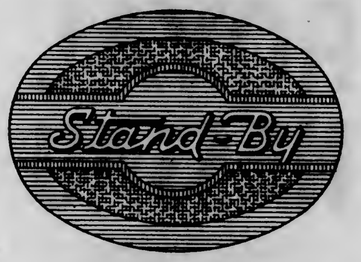
Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 365,110. AMERICAN COIL SPRING COMPANY, Muskegon, Mich. Filed May 20, 1935.

ORTHO-HELIX

All words except "Ortho" are disclaimed apart from the mark.
For Springs for General Use.
Claims use since May 11, 1934.

Ser. No. 374,750. HIBBARD, SPENCER, BARTLETT & COMPANY, Chicago, Ill. Filed Feb. 12, 1936.



For Tea-Kettles, Coffee-Boilers, Coffee-Pots, Tea-Pots, Sauce-Pans, Covered-Kettles, Preserving-Kettles, Cereal-Cookers, Pudding-Pans, Cups, Pie-Plates, Dish-Pans, Dippers, Stock-Pans, Colanders, Funnels, Combinets, Wash-Bowls, Chambers All of Base Metal.
Claims use since Jan. 3, 1936.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 374,738. MARRISON & CATHERALL LTD., Sheffield, England. Filed Feb. 10, 1936.

NIPERMAG

For Magnet Steel.
Claims use since Apr. 30, 1935.

CLASS 15

Oils and Greases

Ser. No. 376,488. OWL OIL & SUPPLY CO. INC., Union City, N. J. Filed Mar. 27, 1936.



For Petroleum Products—Namely, Lubricating Oils and Greases.
Claims use since March, 1930.

Ser. No. 377,416. PARAGON OIL COMPANY, INC., Brooklyn, N. Y. Filed Apr. 20, 1936.

paragreez

For Lubricating Oil.
Claims use since Apr. 18, 1935.

CLASS 16

Paints and Painters' Materials

Ser. No. 367,283. BRAZIL OITICICA S. A., Rio de Janeiro, Brazil. Filed July 15, 1935.



The letters "E. U. B." are disclaimed apart from the mark.
For Paint Oil.
Claims use since Dec. 10, 1934.

Ser. No. 370,932. ATLANTIC RESEARCH ASSOCIATES, INC., Boston, Mass. Filed Oct. 29, 1935.

Aratone

For Mica Pigments.
Claims use since Oct. 1, 1934.

Ser. No. 372,314. LE ROY DAVIS, doing business as C. W. Davis & Sons, Washington, D. C. Filed Dec. 6, 1935.



The word "Polish" is disclaimed apart from the mark.
For Polish for Beautifying and Preserving Furniture, Automobiles, Lacquers, Varnishes, Paints, Enamels, Floors, Doors, and All Fine Woodwork.
Claims use since 1933.

Ser. No. 372,485. PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa. Filed Dec. 10, 1935.

VITOLOIL

For Liquid and Paste Paints, Paint Primers, Paint Enamels, and Lacquers.
Claims use since Nov. 18, 1935.

Ser. No. 376,581. EASTMAN KODAK COMPANY, Rochester, N. Y. Filed Mar. 28, 1936.

Velox

For Artists' Water Colors.
Claims use since 1910.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 372,228. CROWN POINT PRODUCTS, INC., Asbury Park, N. J. Filed Dec. 4, 1935.

CROWN POINT

For Gasoline Engine Spark Plugs.
Claims use since Dec. 12, 1934.

Ser. No. 374,362. ELECTRONIC LABORATORIES, INC., Indianapolis, Ind. Filed Feb. 1, 1936.

ELECTRONIC

For Electric Vibrators, Converters, and Vibrator Power Supply Units for Radios and for Neon Electric Signs.
Claims use since August, 1932.

Ser. No. 376,721. HI-SPEED TIRE AND ACCESSORY COMPANY, Toledo, Ohio. Filed Apr. 2, 1936.

Hi-Speed

For Radio Receiving Sets and Parts Thereof, Electric Bulbs, and Motor Vehicle Ignition Replacement Parts.
Claims use since Feb. 15, 1936.

Ser. No. 377,730. WILLHELM LUBRICATION COMPANY, St. Paul, Minn. Filed Apr. 27, 1936.

Worthmore

For Automobile Batteries and Farm Light Plant Batteries.
Claims use since Dec. 15, 1935.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 376,451. SKY FLYER MFG. CO., Summit, N. J. Filed Mar. 26, 1936.

SKY-FLYER

For Airplane Kite.
Claims use since June 29, 1935.

Ser. No. 376,478. HARRY LEVEY, New York, N. Y. Filed Mar. 27, 1936.

PLAY SAFE

For Board Game Having Movable Pieces and Employing Cards.
Claims use since Feb. 28, 1936.

Ser. No. 377,065. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y. Filed Apr. 10, 1936.

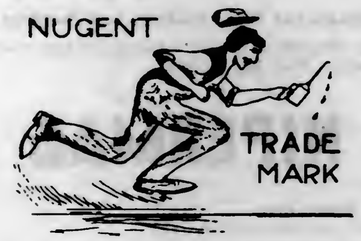
ROYAL NASSAU

The word "Nassau" is disclaimed apart from the mark shown.
For Golf Balls.
Claims use since Feb. 14, 1936.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 370,165. WM. W. NUGENT & CO., INC., Chicago, Ill. Filed Oct. 7, 1935.



The words "Nugent" and "Trade Mark" are disclaimed apart from the mark.
For Machinery Oiling Systems and Oil Filters for Machinery Oiling Systems.
Claims use since Apr. 15, 1914.

Ser. No. 371,512. JOHN H. BRUNK, Los Angeles, Calif. Filed Nov. 13, 1935.



The representation of the goods is disclaimed apart from the mark shown.
For Typewriters and Check-writers.
Claims use since Sept. 1, 1935.

Ser. No. 373,479. AMERICAN WRINGER COMPANY, INC., Woonsocket, R. I. Filed Jan. 9, 1936.

TENSILGLOSS

For Rubber Surfaced Squeeze Rolls Adapted for Use in Laundry and Textile Machines, Paper Machines, Printing Presses, and Other Machinery, Such as Table Rolls, Wringer Rolls, Calendering Rolls, Mangle Rolls, Pressing Rolls, Etc.
Claims use since Dec. 12, 1935.

Ser. No. 374,809. A. & F. PRODUCTS, New York, N. Y. Filed Feb. 14, 1936.

EDGEM

For Scissors Sharpeners.
Claims use since Feb. 1, 1936.

Ser. No. 375,905. LANDON P. SMITH, INC., Irvington, N. J. Filed Mar. 12, 1936.

"KITCHEN DEVIL"

For Resilient Hand-Abrading Tools of Various Shapes and Sizes Including Intermingled Metallic Elements for Working on Metallic Surfaces and the Like.
Claims use since Nov. 21, 1935.

Ser. No. 375,906. LANDON P. SMITH, INC., Irvington, N. J. Filed Mar. 12, 1936.

"LITTLE DEVIL"

For Resilient Hand-Abrading Tools of Various Shapes and Sizes Including Intermingled Metallic Elements for Working on Metallic Surfaces and the Like.
Claims use since Nov. 21, 1935.

Ser. No. 375,907. LANDON P. SMITH, INC., Irvington, N. J. Filed Mar. 12, 1936.

"BIG DEVIL"

For Resilient Hand-Abrading Tools of Various Shapes and Sizes Including Intermingled Metallic Elements for Working on Metallic Surfaces and the Like.
Claims use since Nov. 21, 1935.

Ser. No. 375,908. LANDON P. SMITH, INC., Irvington, N. J. Filed Mar. 12, 1936.

"MASTER DEVIL"

For Resilient Hand-Abrading Tools of Various Shapes and Sizes Including Intermingled Metallic Elements for Working on Metallic Surfaces and the Like.
Claims use since Nov. 21, 1935.

Ser. No. 375,909. LANDON P. SMITH, INC., Irvington, N. J. Filed Mar. 12, 1936.

"MISS DEVIL"

For Resilient Hand-Abrading Tools of Various Shapes and Sizes Including Intermingled Metallic Elements for Working on Metallic Surfaces and the Like.
Claims use since Nov. 21, 1935.

Ser. No. 375,910. LANDON P. SMITH, INC., Irvington, N. J. Filed Mar. 12, 1936.

"BALL DEVIL"

For Resilient Hand-Abrading Tools of Various Shapes and Sizes Including Intermingled Metallic Elements for Working on Metallic Surfaces and the Like.
Claims use since Nov. 21, 1935.

Ser. No. 375,912. LANDON P. SMITH, INC., Irvington, N. J. Filed Mar. 12, 1936.

"HANDLE DEVIL"

For Resilient Hand-Abrading Tools of Various Shapes and Sizes Including Intermingled Metallic Elements for Working on Metallic Surfaces and the Like.
Claims use since Nov. 21, 1935.

Ser. No. 376,842. FOOTE BROS. GEAR AND MACHINE CORPORATION, Chicago, Ill. Filed Apr. 6, 1936.

IXL

For Reduction Gearing.
Claims use since February, 1909.

Ser. No. 377,643. OIL WELL SUPPLY COMPANY, Dallas, Tex. Filed Apr. 25, 1936.

SILVERLINE

The drawing is lined for silver.
For Working Barrels for Deep Well Pumps.
Claims use since Apr. 1, 1936.

Ser. No. 377,741. KAY-BRUNNER STEEL PRODUCTS INC., Alhambra, Calif. Filed Apr. 28, 1936.

K

For Machines for Forming, Grading, Ripping, and Otherwise Working Roads; Hydraulic Pumps; and Hoists.
Claims use since Feb. 1, 1935.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 374,695. TWENTIETH CENTURY-FOX FILM CORPORATION, Los Angeles, Calif. Filed Feb. 10, 1936.

VELOCILATOR

For Motion Picture Camera Carriages.
Claims use since Mar. 10, 1933.

Ser. No. 376,063. PHOTO MARKETING CORPORATION, New York, N. Y. Filed Mar. 16, 1936.

BALDA

For Cameras and Parts Thereof Including Lenses, Sensitized Photographic Plates and Films, Photographic Camera Tripods, and Camera Plate Holders.
Claims use since 1930.

Ser. No. 376,656. AMERICAN OPTICAL COMPANY, Southbridge, Mass. Filed Apr. 1, 1936.



For Ophthalmic Mountings and Parts Thereof.
Claims use since July 15, 1935.

CLASS 27

Horological Instruments

Ser. No. 374,324. ELGIN NATIONAL WATCH COMPANY, Chicago and Elgin, Ill. Filed Jan. 31, 1936.

ZEPHYR

For Watches, Watch Movements, and Watch Cases.
Claims use since Jan. 3, 1936.

CLASS 28

Jewelry and Precious-Metal Ware

Ser. No. 374,958. DANIEL H. KINGSLAND, doing business as Kingsland Jewelry Manufacturing Company, New York, N. Y. Filed Feb. 17, 1936.

KJMCo

For Jewelry for Personal Wear or Adornment Not Including Watches.
Claims use since 1934.

CLASS 31

Filters and Refrigerators

Ser. No. 342,462. AMERICAN BLOWER CORPORATION, Detroit, Mich. Filed Oct. 14, 1933.

Decalorator TRADE MARK

The words "Trade Mark" are disclaimed.
For Refrigerating Machinery or Apparatus and Water Coolers.
Claims use since Sept. 5, 1933.

Ser. No. 364,855. CONCO ENGINEERING WORKS, Mendota, Ill. Filed May 13, 1935.



The portrait is that of Dolly Madison, a White House celebrity, deceased. The words "Electric Freezer", "Mfd. by", and "Mendota, Ill.", and the representation of a label per se are disclaimed.
For Ice Cream Freezers.
Claims use since Mar. 1, 1933.

Ser. No. 376,821. UNIVERSAL COOLER CORPORATION, Detroit, Mich. Filed Apr. 4, 1936.

HydroCold

The word "Cold" is disclaimed apart from the mark shown.
For Electrical Refrigerators, and Cooling Units Therefor.
Claims use since Mar. 24, 1936.

CLASS 32

Furniture and Upholstery

Ser. No. 361,299. ARROW UPHOLSTERY CO., INC., New York, N. Y. Filed Feb. 12, 1935.



For Furniture and Upholstery—Namely, Sofas, Pillows, Tailored Chair, Lounge, and Sofa Covers, Beds, Divans, Couches, Settees, Lounges, Tables, and Chairs for Household Use, Cabinets, Cupboards, and Desks.
Claims use since Sept. 1, 1926.

Ser. No. 369,634. UNITED METAL BOX CO., INC., Brooklyn, N. Y. Filed Sept. 23, 1935.

UNITED

For Venetian Blinds, Shoe Shining Cabinets, and Framed Mirrors.
Claims use since May, 1935 on venetian blinds; since June, 1927, on shoe shining cabinets; since June, 1930, on framed mirrors.

Ser. No. 376,403. PREMIER BED & SPRING COMPANY, San Francisco, Calif. Filed Mar. 25, 1936.

Tru-flex

For Bed Springs, Box Springs, and Inner Spring Mattresses.
Claims use since 1923.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 371,843. ANDERSON BOX COMPANY, Indianapolis, Ind. Filed Nov. 22, 1935.

Super-Heat OIL BROODER STOVES

All words except "Super" are disclaimed apart from the mark.
For Oil Brooder Stoves.
Claims use since Oct. 15, 1934.

Ser. No. 374,962. AMERICAN HOUSES, INC., New York, N. Y. Filed Feb. 18, 1936.

MOTOHEART

For Heating and Air Conditioning Systems for Use in the Construction of the Interiors of Buildings.
Claims use since Jan. 17, 1936.

Ser. No. 375,007. THE GEO. H. EBERHARD COMPANY, San Francisco, Calif. Filed Feb. 19, 1936.

TORA-THERM

For Diesel Oil Burners.
Claims use since Jan. 29, 1936.

CLASS 35

Belting, Hose, Machinery Packing, and Non-metallic Tires

Ser. No. 376,793. BRUNER CORPORATIONS, INC., Newark, N. J. Filed Apr. 4, 1936.

MOTOFLEX

For Conduits, Tubing, and Hose, Either Flexible, or Otherwise and Made of Metal, Fabric, Composition or Combinations Thereof.
Claims use since Dec. 15, 1935.

Ser. No. 377,729. WILLHELM LUBRICATION COMPANY, St. Paul, Minn. Filed Apr. 27, 1936.

Worthmore

For Canvas and Rubber Belts and Belting and Rubber Tires.
Claims use since October, 1934.

CLASS 36

Musical Instruments and Supplies

Ser. No. 371,106. NAAMLOOZE VENNOOTSCHAP RAMIE UNION, Enschede, Netherlands. Filed Nov. 2, 1935.

SIMPLAT

For Record Blanks Ready for Receiving Sound Vibration Impress.
Claims use since Sept. 1, 1935.

CLASS 37

Paper and Stationery

Ser. No. 364,197. ROCKWELL-BARNES COMPANY, Chicago, Ill. Filed Apr. 25, 1935.



For Notebooks and Blank Books—viz, Stenographic Notebooks, and Composition Books.
Claims use since Jan. 29, 1935.

Ser. No. 370,922. ARNOLD GLASSCHEIB, New York, N. Y. Filed Oct. 18, 1935.

AMCUBO

For Wax and Chalk Crayons.
Claims use since 1902.

Ser. No. 375,595. NATION WIDE PAPERS, INC., Chicago, Ill. Filed Mar. 5, 1936.

NW

For Writing Paper, Printing Paper, Text Paper, Bond Paper, and Envelopes.
Claims use since Jan. 8, 1936.

Ser. No. 376,204. ATTO N. HANNA, doing business as Parallex Binding Company, Newark, N. J. Filed Mar. 20, 1936.

PARALLEX

For Blank Books and Pamphlets and Binding Materials Therefor.
Claims use since Nov. 19, 1935.

CLASS 38

Prints and Publications

Ser. No. 375,725. REPUBLICAN NATIONAL COMMITTEE, Washington, D. C. Filed Mar. 7, 1936.

UNCENSORED

For Magazine Issued from Time to Time.
Claims use since Mar. 1, 1936.

Ser. No. 376,224. PUBLIC LEDGER, INC., Philadelphia, Pa. Filed Mar. 20, 1936.

WAR ON CRIME

For Cartoon Feature.
Claims use since Mar. 16, 1936.

Ser. No. 376,381. THE DEMOCRACY PUBLISHING COMPANY, Kansas City, Mo. Filed Mar. 25, 1936.

Democracy

For Monthly Political Magazine.
Claims use since Apr. 1, 1935.

Ser. No. 376,959. DAGOBERT D. RUNES, doing business as National Scientific Publications, Inc., New York, N. Y. Filed Apr. 8, 1936.

MODEL Aircraft BUILDER

For Periodical.
Claims use since March, 1936.

Ser. No. 377,606. SOCIAL JUSTICE PUBLISHING COMPANY, Royal Oak, Mich. Filed Apr. 24, 1936.

Social Justice

For Newspapers.
Claims use since Mar. 16, 1936.

CLASS 39

Clothing

Ser. No. 370,429. JEAN GABRIEL PERRIN, Paris, France. Filed Oct. 16, 1935.

RANA DEWA

For Articles of Clothing for Men, Women, and Children Made of Silk, Wool, Cotton, Elastic Fabrics or Other Material to wit: Bodices, Girdles, Belts in the Nature of Garment Supporters, Brassières, Women's Pants, Sex-Hiding Dresses, Bathing Suits, Gloves, Stockings, Half-Stockings, Socks, Under Shirts, Tights, Combination Waists and Petticoats, Drawers, Waistcoats, Pants, Pantaloons, Dresses, Cloaks, Outer Shirts, Pull-Overs, Sweaters, Suits for Men, Women, and Children.
Claims use since June 1, 1934.

Ser. No. 366,446. UNITED STATES RUBBER PRODUCTS, INC., New York, N. Y. Filed June 20, 1935.

KREPE-TEX

The word "Krepe" is disclaimed apart from the mark shown.
For Rubber Bathing Caps and Rubber Bathing Suits.
Claims use since January, 1933.

Ser. No. 370,684. THE UNITED STATES SHOE CORPORATION, Cincinnati, Ohio. Filed Oct. 22, 1935.

GOLD CROSS SHOE

The Word "Shoe" is disclaimed apart from the mark.
For Shoes Composed of Leather, Rubber, or Fabric, or a Combination of These Materials.
Claims use since Oct. 10, 1932.

Ser. No. 370,907. INSLEY JOSEPH STILES, doing business as Stiles Style Shops, Inc., Denver, Colo., assignor to Stiles Style Shops, Incorporated, Denver, Colo., a corporation of Colorado. Filed Oct. 28, 1935.

Stiles Style Shops Inc. | The House of Stiles

For Women's Suits, Dresses, Blouses, Slips, Step-Ins, Panties, Hats, Brassières, Girdles, Hosiery, Sweaters, Cloth Coats, Fur Coats, Fur Trimmed Coats, Fur Jackets, Fur Neck Pieces, Fur Muffs, Leather Shoes, Rubber Shoes, Fabric Shoes, and Shoes Made of Combinations of Leather, Rubber, and Fabric.
Claims use since Oct. 1, 1935.

Ser. No. 371,141. CARSON PIRIE SCOTT & COMPANY, Chicago, Ill. Filed Nov. 4, 1935.

Our Own

For Infants' Wear—Namely, Dresses, Bonnets, Gowns, Gertrudes, Kimonos, Underwear, Booties, Sacques, Sweaters, Hoods, Jackets, Bath Robes, Hosiery, and Baby Buntings.
Claims use since June 20, 1935.

Ser. No. 373,229. RITTAN KNITTING MILLS, INC., Hoboken, N. J. Filed Dec. 31, 1935.

STREAMLINE KNIT

The word "Knit" is disclaimed apart from the mark as shown.
For Men's, Women's, and Children's Knit Wear—Namely, Knitted Headwear, Bathing Suits, and Sweaters.
Claims use since January, 1935.

Ser. No. 374,059. REAL SILK HOSIERY MILLS, INC., Indianapolis, Ind. Filed Jan. 24, 1936.



The word "Tit" is disclaimed apart from the mark shown.
For Hosiery.
Claims use since December, 1935.

Ser. No. 374,284. CHESTER RHODE LIMITED, Manchester, England. Filed Jan. 30, 1936.

CHESRO

For Dresses, Gowns, Frocks, Slips, Brassières, Blouses, Jumpers, Coats, Skirts, Overalls, Shorts, Knickers, Dressing Gowns, Pyjamas, Nightdresses, Sleeping Suits, Under and Outer Shirts for Both Day and Night Wear, Rompers, Neckwear, Comprising Scarves, Collars, Ties, Cravats, Jabots, Vestees, Bandannas, and Any Other Article Worn as Neckwear, Smocks, Vests, Trousers, Suits, Hats, and Gloves Made of Fabric or Combinations of Fabric and Leather, Rubber or Fur, for Men, Women, and Children.
Claims use since Aug. 1, 1935.

Ser. No. 375,108. THE P. SULLIVAN SHOE COMPANY, Cincinnati, Ohio. Filed Feb. 21, 1936.

ARCH-O-MAGIC

For Shoes Made of Leather.
Claims use since Jan. 25, 1932.

Ser. No. 375,218. MEYER BROTHERS, Paterson, N. J. Filed Feb. 25, 1936.

Tiny Toes
MEYER BROTHERS
PATERSON

Exclusive use of the word "Paterson" is disclaimed.
For Infants', Children's, and Misses' Shoes, Boots, and Slippers, of All Kinds, Made of Leather, Rubber, Fabric, and Combinations of Them.
Claims use since June 1, 1928.

Ser. No. 375,307. WAITEMAN & SON, Philadelphia, Pa. Filed Feb. 27, 1936.

WS Bellingham Clothes

The words "Bellingham" and "Clothes" are disclaimed apart from the mark as a whole.
For Men's, Boys', and Children's Clothing—Namely, Suits, Topcoats, and Overcoats.
Claims use since Aug. 26, 1935.

Ser. No. 375,568. THE WASHINGTON MANUFACTURING COMPANY, New York, N. Y. Filed Mar. 4, 1936.

"FORESIDE"

For Men's and Boys' Coats, Pants, Outer Coats, Overcoats, and Jackets.
Claims use since Feb. 20, 1936.

Ser. No. 376,312. WANDA GARMENT COMPANY, Los Angeles, Calif. Filed Mar. 23, 1936.

dream of Hollywood

For Lounging Pajamas, Sleeping Pajamas, Robes, Negligees, Night Gowns.
Claims use since Dec. 28, 1934.

Ser. No. 376,494. RICE-STIX DRY GOODS CO., St. Louis, Mo. Filed Mar. 27, 1936.

RS Brentmoor Hats of Fashion

The words "Hats of Fashion" are disclaimed apart from the mark.
For Men's and Boys' Hats and Caps.
Claims use since Aug. 8, 1935.

Ser. No. 376,689. NOVEL DRESS MANUFACTURING COMPANY, INC., New York, N. Y. Filed Apr. 1, 1936.

"OH PROMISE ME"

For Dresses, Frocks, Gowns, and Wedding Gowns for Women's and Misses' Outer Wear.
Claims use since Mar. 18, 1936.

Ser. No. 376,855. MANUEL MAHAKIAN, Boston, Mass. Filed Apr. 6, 1936.



The wording "Alta Calidad" and the representation of a shoe are disclaimed apart from the mark as shown.

For Boots, Shoes, and Slippers Having Plain, Fancy, Laced, Plaited, or Woven Uppers Composed of Leather, Rubber, Fabric, or Combinations Thereof, for Men, Women, and Children.

Claims use since March, 1936.

Ser. No. 377,001. JULIUS KAYSER & CO., New York, N. Y. Filed Apr. 9, 1936.

Marvelour

For Fabric Gloves.
Claims use since Apr. 1, 1936.

Ser. No. 377,084. TRIMOUNT CLOTHING CO. INC., Boston, Mass. Filed Apr. 10, 1936.



For Men's and Young Men's Overcoats, Topcoats, Suits, and Sport Suits.
Claims use since Oct. 8, 1935.

Ser. No. 377,087. TRIMOUNT CLOTHING CO. INC., Boston, Mass. Filed Apr. 10, 1936.



The terms "Sturdy Wear" and "Exclusively Loomed" are disclaimed apart from the mark.

For Men's and Young Men's Overcoats, Topcoats, Suits, and Sport Suits.
Claims use since Apr. 8, 1934.

Ser. No. 377,141. ALFRED DECKER & COHN, INC., Chicago, Ill. Filed Apr. 13, 1936.

Huddersford

For Men's Overcoats.
Claims use since July 1, 1932.

Ser. No. 377,202. RUTH STUART WHEELER, doing business as The Children's House, Boston, Mass. Filed Apr. 11, 1936.

Fledgling

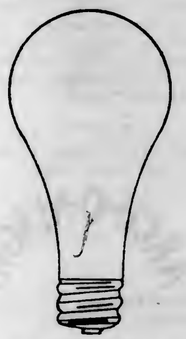
For Children's Clothing—Namely, Dresses, Suits, Coats, Underwear, Neckties, Hats, and Stockings.
Claims use since Mar. 27, 1936.

Ser. No. 377,283. RIVERSIDE UNDERWEAR CO., New York, N. Y. Filed Apr. 15, 1936.

BUFFALO BILL

For Men's and Boys' Dress, Negligee, and Work Shirts, and Boys' Blouses.
Claims use since Dec. 1, 1935.

Ser. No. 377,345. BRADSTONE RUBBER COMPANY, Woodbine, N. J. Filed Apr. 18, 1936.



For Rubber Heels and Rubber Soles.
Claims use since Apr. 13, 1936.

Ser. No. 377,362. LILY OF FRANCE CORSET COMPANY, INC., New York, N. Y. Filed Apr. 18, 1936.

Parisette

For Corsets.
Claims use since Feb. 15, 1936.

Ser. No. 377,363. R. H. MACY & CO., INC., New York, N. Y. Filed Apr. 18, 1936.

MANSPATTER

For Spats for Women's Wear.
Claims use since Mar. 14, 1936.

Ser No. 377,378. CARADINE HAT COMPANY, St. Louis, Mo. Filed Apr. 20, 1936.

DE FLECTO

For Headwear—Namely, Men's and Women's Hats of Fibre, Straw, and Paper.
Claims use since Jan. 1, 1936.

Ser. No. 377,515. LEBANON KNITTING MILLS, INC., Lebanon, Pa. Filed Apr. 22, 1936.

KIDDIE FAIR

For Knitted Underwear for Men, Women, and Children, Knitted Coats for Women and Children, Knitted Hats and Caps for Women and Children, Knitted Neckties, Knitted Gloves, Knitted Scarfs, Knitted Dresses for Women and Children, and Knitted Sweaters for Men, Women, and Children.
Claims use since Feb. 10, 1936.

Ser. No. 377,583. KOBER & HARRIS, Baltimore, Md. Filed Apr. 24, 1936.

FASHION SQUARE

FSC

For Men's and Young Men's, Students', and Boys' Outer Clothing, More Particularly, Coats, Pants, Vests, Slacks, Knickers, Golf Suits, Morning Coats, Tail Coats, Tuxedos, Topcoats, and Overcoats.
Claims use since 1929.

Ser. No. 377,595. PIED PIPER SHOE CO., Wausau, Wis. Filed Apr. 24, 1936.

POSTURATOR

For Juvenile Leather Shoes.
Claims use since Apr. 8, 1936.

Ser. No. 377,604. ROGERS PEET COMPANY, New York, N. Y. Filed Apr. 24, 1936.

"BURNSLEY"

For Men's and Boys' Hats.
Claims use since March, 1936.

Ser. No. 377,612. JOHN WANAMAKER NEW YORK, New York, N. Y. Filed Apr. 24, 1936.

MIMI

For Hosiery.
Claims use since June 20, 1930.

Ser. No. 377,629. BAILL BROTHERS, INC., New York, N. Y. Filed Apr. 25, 1936.

GET THE HABIT

For Men's and Boys' Clothing—Namely, Suits, Overcoats, Topcoats, Jackets, Vests, Pants, Hats, Caps, Leather and Fabric Shoes and Slippers, Spats, Negligee and Dress Shirts, Hosiery, Ties, Mufflers, Pajamas, Dressing and Beach Robes, Sweaters, Bathing Suits, Smoking Jackets, Belts, Suspenders, Garters, Collars, Unionsuits, and Shirts and Shorts in the nature of underwear.
Claims use since June 2, 1903.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 363,647. BOLTA RUBBER COMB SALES CORP., New York, N. Y. Filed Apr. 12, 1935.

Dandee

For Combs Not Made of Precious Metal.
Claims use since Aug. 1, 1934.

Ser. No. 375,412. VEREINIGTE GUMMIWAREN-FABRIKEN WIMPASSING VORMALS MENIER-J. N. REITHOFFER, Vienna, Austria. Filed Feb. 29, 1936.

MATADOR

For Rubber Combs.
Claims use since June 8, 1918.

Ser. No. 376,388. HARLEM-ADLER & CO., INC., New York, N. Y. Filed Mar. 25, 1936.

Miss America

For Dress Ornaments Not Made of Precious Metal—Namely, Buttons, Buckles, Slides, Clips, and Pins.
Claims use since Sept. 1, 1935.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 374,256. SILVER-POM DRESS CORP., New York, N. Y. Filed Jan. 29, 1936.

Garden Kingdom

For Silk and Rayon Goods in the Piece.
Claims use since Dec. 15, 1934.

Ser. No. 375,323. C. M. DELAND, New York, N. Y. Filed Feb. 28, 1936.

DE LAND'S ROUND AND ROUND

For Woolen Piece Goods.
Claims use since Feb. 8, 1936.

Ser. No. 375,819. TOOTAL BROADHURST LEE COMPANY LIMITED, Manchester, England. Filed Mar. 10, 1936.

LYSTAV

For Piece Goods Made of Rayon or of Cellulose Fibre.
Claims use since July 31, 1935.

Ser. No. 376,782. TOOTAL BROADHURST LEE COMPANY LIMITED, Manchester, England. Filed Apr. 3, 1936.

VELOED

For Artificial Silk Piece Goods.
Claims use since Dec. 5, 1935.

Ser. No. 377,173. SIEGEL BROS. KIKI MAID KOATS INC., New York, N. Y. Filed Apr. 13, 1936.

LUSTRELAIN

For Woolen Piece Goods.
Claims use since Apr. 1, 1936.

Ser. No. 377,421. DAVID ROTHSCHILD COMPANY, Columbus, Ga. Filed Apr. 20, 1936.

TRU DRI

For Woven, Netted, Knitted, or Textile Fabrics in the Piece, Composed of Cotton, Linen, Rayon, Woolen, Mohair, Artificial Silk, or Mixtures of Any of Above.
Claims use since Oct. 4, 1933.

Ser. No. 378,069. SOCIÉTÉ ANONYME RODIER, Paris, France. Filed May 5, 1936.

DHOU

For Piece Goods of Wool, Hair, Silk, Artificial Silk, Hemp, Flax, Jute, and Cotton, or Combinations of Said Fabrics, Tulles, Nets, Veils, Muslin Piece Goods, Laces in the Piece and Lace Trimming in the Nature of Insertion and Edging Sold in the Piece, Ribbon Sold by the Yard or Bolt, Hair Nets, and Handkerchiefs.
Claims use since Dec. 10, 1935.

Ser. No. 378,075. SIDNEY HENRY, doing business as S. H. Hirsch, New York, N. Y. Filed May 6, 1936.



For Hair Nets of Human Hair; Hair Nets of Silk, Rayon, or Mixtures Thereof; Water-Wave Nets and Veils; Sport Nets and Veils; Slumber Nets and Veils.
Claims use since January, 1933.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 366,381. STIM-U-DENTS, INC., Detroit, Mich. Filed June 19, 1935.

STIM-U-DENTS

For Tooth Space Cleansers and Gum Stimulators.
Claims use since May 1, 1934.

Ser. No. 375,956. ROBT. J. ROTHSTEIN, doing business as Rothstein Dental Laboratories, Washington, D. C. Filed Mar. 13, 1936.

DENTCROME

For Dental Material, Particularly a Metal, Used in the Manufacture of Plates, Bridges, Bars, Clasps, and the Like.
Claims use since June, 1933.

Ser. No. 375,986. J. P. FISCHER, INC., New York, N. Y. Filed Mar. 14, 1936.

Fischer STEAMASTER HAIR AND SCALP CONDITIONER

The words "Hair and Scalp Conditioner" are disclaimed apart from the mark as shown.
For Electrical Hair and Scalp Conditioners.
Claims use since Feb. 15, 1936.

Ser. No. 376,371. AUSTENAL LABORATORIES, INC., New York, N. Y., and Chicago, Ill. Filed Mar. 25, 1936.



For Dentures.
Claims use since July, 1932.

Ser. No. 376,592. KALOR MANUFACTURING COMPANY, St. Louis, Mo. Filed Mar. 30, 1936.

KALOR

For Pads Containing Chemical Ingredients and Used in Permanent Waving of the Human Hair.
Claims use since Feb. 1, 1936.

Ser. No. 376,639. NORTHAM WARREN CORPORATION, New York, N. Y. Filed Mar. 31, 1936.

SECRETARIAL

For Manicure Sets.
Claims use since Mar. 24, 1936.

Ser. No. 376,733. HOWARD A. PRINGLE, doing business as Technequipment Company, Canton, Mass. Filed Apr. 2, 1936.

OXYLATOR

For Oxygen Tents.
Claims use since Sept. 12, 1935.

Ser. No. 377,251. YOUNGS RUBBER CORPORATION, INC., New York, N. Y. Filed Apr. 15, 1936.



For Prophylactic Rubber Articles for the Prevention of Contagious Diseases.
Claims use since Sept. 1, 1932.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 377,688. KLEE & COLEMAN, Indianapolis, Ind. Filed Apr. 27, 1936.

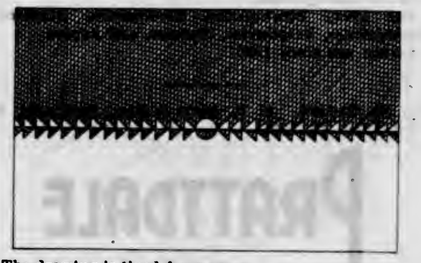


For Nonalcoholic, Maltless Beverages Sold as Soft Drinks, and Syrups and Extracts for Making the Same.
Claims use since February, 1935.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 356,371. THE RATH PACKING COMPANY, Waterloo, Iowa. Filed Sept. 24, 1934.



The drawing is lined for maroon.
For Canned Ox Tongue and Beef Stew.
Claims use since Apr. 29, 1933.

Ser. No. 362,353. J. M. DICKINSON, Nashville, Tenn. Filed Mar. 11, 1935.

TRAVELERS REST FARM

For Pickles, Marmalades, Fruit Preserves, Jellies, Jams, Asparagus, Canned and Fresh, Fresh Fruit—Namely, Apples, Pears, Cherries, Plums, Strawberries, Raspberries, Gooseberries, Citrus, Deciduous, Grain—Namely, Corn, Oats, Wheat, Rye, and Barley.
Claims use since Mar. 1, 1931.

Ser. No. 367,980. JOHN H. WILKINS COMPANY, Washington, D. C. Filed Aug. 3, 1935.



The drawing is lined for brown.
For Coffee and Tea.
Claims use since July 15, 1935.

Ser. No. 368,275. TREAT ORCHARD CO., Esom Hill, Ga. Filed Aug. 13, 1935.

TOCO

For Fresh Fruits and Vegetables, Particularly Peaches and Apples.
Claims use since 1933.

Ser. No. 369,161. JOSEPH A. KUZNICKI, doing business as J. A. Kaneski, Blandford, MASS. Filed Sept. 10, 1935.

BLANDFORD J.A.KANESKI BRAND

The words "Blandford Brand" are disclaimed apart from the mark shown.
For Fresh Strawberries, Blackberries, Blueberries, Huckleberries, Raspberries, Cherries, and Apples.
Claims use since 1926.

Ser. No. 370,228. B. H. RUDO & BRO., Baltimore, Md. Filed Oct. 10, 1935.

PRATTDALE

For Canned Fruits, Canned Vegetables, Canned Fish, Canned Hominy, Cocoa, Maraschino Cherries, Cocoanut, Peanut Butter, Whole Dry Barley, Raisins, Baking Chocolate, Apple Butter, Apple Sauce, Coffee, Macaroni, Olive Oil, Oatmeal, Pork and Beans, Tea, Malt Syrup, Mayonnaise, Gelatin Desserts, Yeast Powder, Mustard, Worcestershire Sauce, Wheat Flour, Pancake Flour, Table Syrup, Baking Powder, Salt, Grape Jelly, and Chicken Noodle Dinner.
Claims use since Sept. 12, 1935.

Ser. No. 370,935. BENICIA FISHERIES, INC., Benicia, Calif. Filed Oct. 29, 1935.



The representation of the goods, the word "Fish", and the word "Tenderloins" are disclaimed apart from the mark as shown.
For Canned Fish.
Claims use since January, 1934.

Ser. No. 372,670. HELMS BAKERIES, Los Angeles, Calif. Filed Dec. 16, 1935.

Helms
OLYMPIC
Gold Medal

The words "Gold Medal" are disclaimed apart from the mark as shown.
For Bakery Products—Namely, Bread.
Claims use since Dec. 12, 1934.

Ser. No. 373,428. PREMIER FOOD PRODUCTS CO., Chicago, Ill. Filed Jan. 7, 1936.

Jel-Write

For Decorating Jelly for Cakes and Pastry.
Claims use since Oct. 1, 1934.

Ser. No. 373,805. SEE'S CANDY SHOPS, INCORPORATED, Los Angeles, Calif. Filed Jan. 17, 1936.



The drawing is lined for gold and the portrait is that of Mary See, a director of applicant corporation.
For Candy.
Claims use since Jan. 1, 1926.

Ser. No. 373,806. SEE'S CANDY SHOPS, INCORPORATED, Los Angeles, Calif. Filed Jan. 17, 1936.



The drawing is lined for gold and the portrait is that of Mary See, a director of applicant corporation. The words "Famous Home Made Candies" are disclaimed apart from the mark.
For Candy.
Claims use since Jan. 1, 1926.

Ser. No. 374,686. RICE GROWERS ASSOCIATION OF CALIFORNIA, Sacramento, Calif. Filed Feb. 10, 1936.



The Japanese characters are identified by the word "Bocho" meaning a variety of rice. No claim is made to the Japanese characters apart from the mark shown.
For Rice.
Claims use since Feb. 11, 1933.

Ser. No. 374,703. THE BORDEN COMPANY, New York, N. Y. Filed Feb. 11, 1936.

Plymouth Prince

For Cheese.
Claims use since Nov. 14, 1935.

Ser. No. 374,715. HIGHLAND EXCHANGE ASSOCIATION, Highland, Calif. Filed Feb. 11, 1936.

WITCH

For Fresh Citrus Fruits.
Claims use since 1926.

Ser. No. 375,438. THE HILLSIDE PACKING ASSOCIATION, Lindsay, Calif. Filed Mar. 2, 1936.

PRINCE OF ORANGE

For Fresh Citrus Fruit.
Claims use since May 14, 1914.

Ser. No. 376,308. SUNNY HILLS RANCH, INC., doing business as Sunny Hills Citrus Assn., Fullerton, Calif. Filed Mar. 23, 1936.

SUNNY HILLS

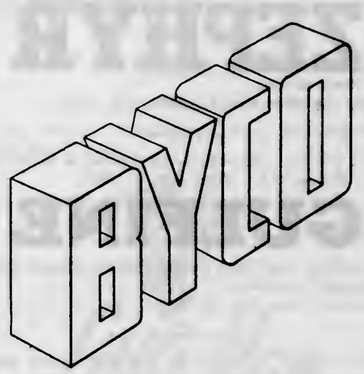
For Fresh Citrus Fruit.
Claims use since Feb. 28, 1936.

Ser. No. 376,385. FOOD PRODUCTS CO. OF AMERICA, Chicago, Ill. Filed Mar. 25, 1936.

MUCH MORE

For Baking Chocolate and Canned Lima Beans, Pork and Beans, Red Kidney Beans, Cocoa, Hominy, Mackerel, Molasses, Spaghetti, Tomato Soup, and Vegetable Soup.
Claims use since Dec. 30, 1934.

Ser. No. 376,459. BYCO DISTRIBUTORS, INC., Phoenix, Ariz. Filed Mar. 27, 1936.



For Fresh Vegetables and Melons and Fresh Citrus Fruit.
Claims use since June 26, 1935.

Ser. No. 376,460. BYCO DISTRIBUTORS, INC., Phoenix, Ariz. Filed Mar. 27, 1936.



For Fresh Vegetables and Melons and Fresh Citrus Fruit.
Claims use since Dec. 10, 1935.

Ser. No. 376,480. F. T. McELROY, doing business as F. T. McElroy Company, Phoenix, Ariz. Filed Mar. 27, 1936.

CALIZONA

For Fresh Vegetables.
Claims use since Nov. 15, 1935.

Ser. No. 376,640. PINKHAM HOLDINGS CO., Los Angeles, Calif. Filed Mar. 31, 1936.

ZEPHYR

For Fresh Grapes.
Claims use since Aug. 5, 1935.

Ser. No. 376,731. PELICAN LAKE OYSTER & PACKING CO. LTD., Houma, La. Filed Apr. 2, 1936.

GULFINE

For Canned and Glass Packed Shrimp, Canned Oysters, and Canned Vegetables.
Claims use since Mar. 18, 1936.

Ser. No. 376,736. THOMAS K. SALOOMEY, doing business as Tombilt Products Company, Bridgeport, Conn. Filed Apr. 2, 1936.

NEATWEAT

For Breakfast Cereal.
Claims use since Mar. 28, 1936.

Ser. No. 376,742. BERKOWITZ BROS. INC., Newark, N. J. Filed Apr. 2, 1936.

B BERKLEY-BRAND B

The word "Brand" is disclaimed apart from its use in connection with the mark.
For Chocolates, Chocolate Covered Nuts, Chocolate Covered Fruits, Chocolate Covered Candies Except Kisses, Crushed Fruit Syrups, and Concentrated Syrups for Use in Pastry or Dressings and Other Food Purposes.
Claims use since May 15, 1934.

Ser. No. 376,752. CROMPTON & LEE, Avon by the Sea, N. J. Filed Apr. 3, 1936.

"KITCHEN KRISP"

The word "Krisp" is disclaimed apart from the mark as shown.
For Potato Chips.
Claims use since August, 1932.

Ser. No. 376,923. BEN A. ROSENTHAL, doing business as Rosenthal Distributing Company, Homestead, Fla. Filed Apr. 7, 1936.

TOMMIE

For Fresh Vegetables Such as Tomatoes.
Claims use since Jan. 1, 1932.

Ser. No. 377,089. THE NU LAC YEASTON COMPANY, Jefferson, Iowa. Filed Apr. 11, 1936.

NU-LAC

For Medicated Foods for Cattle and Poultry.
Claims use since Aug. 1, 1933.

Ser. No. 377,179. CLARK-BRADLEY, INC., Rochester, N. Y. Filed Apr. 14, 1936.

Good Nature

For Breakfast Foods—Namely, a Wheat Food.
Claims use since Apr. 1, 1936.

Ser. No. 377,188. MALTOVIM COMPANY, New York, N. Y. Filed Apr. 14, 1936.

MALTOVIM

For Powdered Malted Milk Food Preparation.
Claims use since Apr. 21, 1933.

Ser. No. 377,213. DOMESTIC PRODUCTS CORPORATION, Belleville, N. J. Filed Apr. 15, 1936.

ORCHARD PRIDE

For Maraschino Cherries, and Candied or Glace Cherries and Pineapples, in Bottles and Boxes.
Claims use since Apr. 3, 1936.

Ser. No. 377,217. FRUIT PRODUCTS CORPORATION, Belleville, N. J., and New York, N. Y. Filed Apr. 15, 1936.

FRUCO

For Maraschino Cherries, and Candied or Glace Cherries and Pineapples in Bottles and Boxes.
Claims use since Apr. 3, 1936.

Ser. No. 377,331. WESTERN GROCER COMPANY, doing business as Marshall Canning Company, Marshalltown, Iowa. Filed Apr. 17, 1936.

KINGLETS

For Canned Corn.
Claims use since Mar. 31, 1936.

Ser. No. 377,579. ALEX. KERR BRO. & CO., INC., Philadelphia, Pa. Filed Apr. 24, 1936.

MELSNO

For Salt.
Claims use since Mar. 19, 1936.

Ser. No. 377,614. WILBUR-ELLIS COMPANY, San Francisco, Calif. Filed Apr. 24, 1936.

SEINE BOAT

For Stock Food.
Claims use since Apr. 1, 1936.

Ser. No. 377,703. JACK NEIMAN, doing business as Better Made Packing Company, Los Angeles, Calif. Filed Apr. 27, 1936.

Top Row

For Canned Vegetables.
Claims use since Apr. 3, 1936.

Ser. No. 377,753. SUNNY HILLS RANCH, INC., doing business as Sunny Hills Citrus Assn., Fullerton, Calif. Filed Apr. 28, 1936.

BUYRITE

For Fresh Citrus Fruit.
Claims use since Apr. 14, 1936.

Ser. No. 377,754. SUNNY HILLS RANCH, INC., doing business as Sunny Hills Citrus Assn., Fullerton, Calif. Filed Apr. 28, 1936.

ESTEEM

For Fresh Citrus Fruit.
Claims use since Apr. 14, 1936.

Ser. No. 377,820. AMERICAN MAIZE-PRODUCTS COMPANY, New York, N. Y. Filed Apr. 30, 1936.

FLOTEX

For Corn Starch for Use as a Food Product and for Use in the Industrial Preparation of Various Types of Food Products.
Claims use since Dec. 2, 1935.

Ser. No. 378,041. ALBERT EHLERS, INC., Brooklyn, N. Y. Filed May 5, 1936.

BIG DEAL

For Tea and Coffee.
Claims use since Apr. 27, 1936.

CLASS 48

Malt Beverages and Liquors

Ser. No. 377,915. ESSLINGER'S, INC., Philadelphia, Pa. Filed May 2, 1936.



Little Man

For Ale.
Claims use since February, 1935.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 375,754. BROWN-FORMAN DISTILLERY COMPANY, Louisville, Ky. Filed Mar. 9, 1936.

famous Kentucky whiskies since 1870

The words "Famous Kentucky Whiskies" are disclaimed apart from the mark shown.
For Whiskey, Gin, Rum, Brandy, and Alcoholic Cordials.
Claims use since Aug. 31, 1935.

Ser. No. 377,678. JOSEPH S. FINCH AND COMPANY, New York, N. Y. Filed Apr. 27, 1936.

Harry E. Wilken Sr.

Trade-mark consists of a facsimile signature of Harry E. Wilken, Sr., now deceased.
For Whiskey, Brandy, Gin, Rum, and Alcoholic Cordials.
Claims use since Aug. 13, 1935.

Ser. No. 377,799. P. MELCHERS' DISTILLERIES, Schiedam, Netherlands. Filed Apr. 29, 1936.



No claim is made to the word "Brand" except as shown.
For Gins.
Claims use since Feb. 16, 1889.

Ser. No. 378,228. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J. Filed May 8, 1936.

GUEST OF HONOR

For Whiskeys, Brandies, Gins, and Cordials.
Claims use since May, 1935.

Ser. No. 378,229. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J. Filed May 8, 1936.

SMOOTH SAILING

For Whiskeys, Brandies, Gins, and Cordials.
Claims use since Apr. 3, 1936.

Ser. No. 378,230. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J. Filed May 8, 1936.

TIME HONORED

For Whiskeys, Brandies, Gins, and Cordials.
Claims use since Jan. 2, 1936.

Ser. No. 378,231. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J. Filed May 8, 1936.

TOPS

For Whiskeys, Brandies, Gins, and Cordials.
Claims use since June, 1934.

Ser. No. 378,300. CUMMINS DISTILLERIES CORPORATION, Louisville and Athertonville, Ky. Filed May 11, 1936.

CLEAR CREEK

For Whiskies.
Claims use since May 1, 1936.

Ser. No. 378,365. LABROT & GRAHAM INCORPORATED, Frankfort, Ky. Filed May 12, 1936.



For Whiskey.
Claims use since Apr. 29, 1936.

Ser. No. 378,415. POPPER MORSON CO. INC., Jersey City, N. J. Filed May 13, 1936.

TOP O' the BAR

For Whiskey and Gin.
Claims use since May 1, 1936.

Ser. No. 378,456. ST. CROIX SUGAR CANE INDUSTRIES SALES CORPORATION, Portland, Oreg., and Chicago, Ill. Filed May 14, 1936.

CRUZAN

For St. Croix Rum.
Claims use since Apr. 20, 1936.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 371,916. FRANKLIN DIE CASTING CO., INC., Chicago, Ill. Filed Nov. 23, 1935.

DONNART

For Gifts—Namely, Statuettes, Statues, Wall Plaques, and Ornaments of Metal, Plastic Materials or Wood for Home or Garden Decoration.
Claims use since Nov. 14, 1934.

Ser. No. 375,030. U. S. MANUFACTURING CORPORATION, Decatur, Ill. Filed Feb. 19, 1936.

KING

For Fly Ribbons.
Claims use since Aug. 1, 1935.

Ser. No. 375,031. U. S. MANUFACTURING CORPORATION, Decatur, Ill. Filed Feb. 19, 1936.

VIXEN

For Fly Ribbons.
Claims use since Aug. 1, 1935.

Ser. No. 375,556. PAPER NOVELTY MANUFACTURING COMPANY, New York, N. Y. Filed Mar. 4, 1936.

CELLO-SHREDD

The notation "Shredd" is disclaimed apart from the mark shown.
For Cellulose Film Strips for Use as Christmas Tree Decoration.
Claims use since Jan. 15, 1936.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 16, 1936

335,721. HOSIERY. NEUMODE HOSIERY CO., Kankakee and Chicago, Ill.
Filed August 1, 1935. Serial No. 367,903. PUBLISHED OCTOBER 1, 1935. Class 39.

335,722. PREPARATION FOR THE TREATMENT OF SUNBURN, INSECT BITES, RASHES, POISON IVY, RING WORM, ECZEMA, CUTS, BURNS, SCALDS, AND HYGIENIC USES. CENTRAL LABORATORIES, INC., St. Petersburg, Fla.
Filed August 1, 1935. Serial No. 367,891. PUBLISHED MARCH 31, 1936. Class 6.

335,723. MEDICINAL PREPARATION FOR THE TREATMENT OF LIVER, KIDNEY, AND BLADDER DISORDERS, RHEUMATISM, AND URIC ACID TROUBLES. GOLD MEDAL HAARLEM OIL CORP., Brooklyn, N. Y.
Filed July 13, 1935. Serial No. 367,240. PUBLISHED MARCH 31, 1936. Class 6.

335,724. WHISKEY. THE AMERICAN DISTILLING COMPANY, Pekin, Ill.
Filed June 29, 1935. Serial No. 366,792. PUBLISHED SEPTEMBER 3, 1935. Class 49.

335,725. LEATHER SHOES. HARRY RYBERG, JR., San Francisco, Calif.
Filed June 17, 1935. Serial No. 366,299. PUBLISHED MARCH 31, 1936. Class 39.

335,726. SPARK PLUGS AND SPARK PLUG PORCELAINS. A C SPARK PLUG COMPANY, Flint, Mich.
Filed February 19, 1936. Serial No. 374,999. PUBLISHED APRIL 7, 1936. Class 21.

335,727. SPARK PLUGS AND SPARK PLUG PORCELAINS. A C SPARK PLUG COMPANY, Flint, Mich.
Filed February 19, 1936. Serial No. 374,998. PUBLISHED APRIL 7, 1936. Class 21.

335,728. SPARK PLUGS AND SPARK PLUG PORCELAINS. A C SPARK PLUG COMPANY, Flint, Mich.
Filed February 19, 1936. Serial No. 374,997. PUBLISHED APRIL 7, 1936. Class 21.

335,729. SPARK PLUGS AND SPARK PLUG PORCELAINS. A C SPARK PLUG COMPANY, Flint, Mich.
Filed February 19, 1936. Serial No. 374,996. PUBLISHED APRIL 7, 1936. Class 21.

335,730. RAZOR BLADES. SEGAL SAFETY RAZOR CORPORATION, New York, N. Y.
Filed February 18, 1936. Serial No. 374,984. PUBLISHED APRIL 7, 1936. Class 23.

335,731. WOMEN'S CLOTHING—NAMELY, DRESSES, SLIPS, PETTICOATS, AND NIGHTGOWNS. M. C. SCHRANK COMPANY, Bridgeton, N. J.
Filed February 18, 1936. Serial No. 374,982. PUBLISHED MARCH 31, 1936. Class 39.

335,732. WHISKEY. HARRY MOTTSMAN, New York, N. Y.
Filed February 18, 1936. Serial No. 374,977. PUBLISHED APRIL 7, 1936. Class 49.

335,733. LEAD PENCILS. EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y.
Filed February 18, 1936. Serial No. 374,965. PUBLISHED APRIL 7, 1936. Class 37.

335,734. MEN'S AND WOMEN'S CLOTHING—NAMELY, MEN'S SUITS, INCLUDING COATS, VESTS, AND TROUSERS, OVERCOATS, AND TOPCOATS, AND WOMEN'S SUITS AND COATS. HAHLO & SOLOMON INC., New York, N. Y.
Filed February 18, 1936. Serial No. 374,969. PUBLISHED APRIL 7, 1936. Class 39.

335,735. TELEVISION RECEIVING AND AMPLIFYING APPARATUS AND PARTS THEREOF. ZENITH RADIO CORPORATION, Chicago, Ill.
Filed February 17, 1936. Serial No. 374,953. PUBLISHED APRIL 7, 1936. Class 21.

335,736. CARD GAME. CLAIR MANIERRE STONE, doing business as Stone & Stone, Montrose, Calif.
Filed February 17, 1936. Serial No. 374,948. PUBLISHED APRIL 7, 1936. Class 22.

335,737. LADIES' AND MISSES' WASHABLE DRESSES. IRVING STEMPEL AND CO., INC., New York, N. Y.
Filed February 17, 1936. Serial No. 374,947. PUBLISHED APRIL 7, 1936. Class 39.

335,738. MEDICAL PREPARATION FOR THE TREATMENT OF THE DIGESTIVE SYMPTOMS ASSOCIATED WITH GALL BLADDER AND RELATED DISEASES. RAZALON CORPORATION, New York, N. Y.
Filed February 17, 1936. Serial No. 374,940. PUBLISHED APRIL 7, 1936. Class 6.

335,739. WHISKEY. OLDETYME DISTILLERS, INC., New York, N. Y.
Filed February 17, 1936. Serial No. 374,936. PUBLISHED APRIL 7, 1936. Class 49.

335,740. WHISKEY. PACIFIC DISTILLERS, INC., Los Angeles, Calif.
Filed February 15, 1936. Serial No. 374,900. PUBLISHED APRIL 7, 1936. Class 49.

335,741. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. T. J. PENDERGAST WHOLESALE LIQUOR CO., Kansas City, Mo.
Filed February 13, 1936. Serial No. 374,798. PUBLISHED APRIL 7, 1936. Class 49.

335,742. HOSIERY. PRISCILLA HOSIERY MILLS, INC., New York, N. Y.
Filed February 13, 1936. Serial No. 374,800. PUBLISHED APRIL 7, 1936. Class 39.

335,743. TABLE GAME PLAYED AFTER THE MANNER OF TIT-TAT-TO OR BINGO. RADIO-SONG-O CO., Chicago, Ill.
Filed February 13, 1936. Serial No. 374,801. PUBLISHED APRIL 7, 1936. Class 22.

335,744. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed February 14, 1936. Serial No. 374,816. PUBLISHED APRIL 7, 1936. Class 42.

335,745. PIECE GOODS MADE WHOLLY OR PARTIALLY OF CELLULOSE DERIVATIVES. CELANESE CORPORATION OF AMERICA, New York, N. Y.
Filed February 14, 1936. Serial No. 374,817. PUBLISHED APRIL 7, 1936. Class 42.

335,746. HOSIERY. FASHION HOSIERY MILLS, INC., Boyertown, Pa.
Filed February 14, 1936. Serial No. 374,822. PUBLISHED APRIL 7, 1936. Class 39.

335,747. PRINTING INK. THE INTERNATIONAL PRINTING INK CORPORATION, New York, N. Y.
Filed February 14, 1936. Serial No. 374,835. PUBLISHED APRIL 7, 1936. Class 11.

335,748. CIGARS. LEWIS OSTERWEIS & SONS, New Haven, Conn.
Filed February 14, 1936. Serial No. 374,845. PUBLISHED APRIL 7, 1936. Class 17.

335,749. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. T. J. PENDERGAST WHOLESALE LIQUOR CO., Kansas City, Mo.
Filed February 14, 1936. Serial No. 374,846. PUBLISHED APRIL 7, 1936. Class 49.

335,750. EVAPORATED MILK. PEVELY DAIRY COMPANY, St. Louis, Mo.
Filed February 14, 1936. Serial No. 374,847. PUBLISHED APRIL 7, 1936 Class 46.

335,751. PACKAGING MACHINES. TRANSPARENT-WRAP MACHINE CORPORATION, New York, N. Y.
Filed February 14, 1936. Serial No. 374,865. PUBLISHED APRIL 7, 1936. Class 23.

335,752. FRESH CITRUS FRUITS. L. E. HOLLOWAY, doing business as L. E. Holloway & Co., Leesburg, Fla.
Filed February 15, 1936. Serial No. 374,886. PUBLISHED APRIL 7, 1936. Class 46.

335,753. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. LUDFORD FRUIT PRODUCTS, INC., Los Angeles, Calif.
Filed February 15, 1936. Serial No. 374,889. PUBLISHED APRIL 7, 1936. Class 45.

335,754. RAZOR BLADES. PAUL D. NEWTON & CO. INC., Newark, N. Y.
Filed February 15, 1936. Serial No. 374,898. PUBLISHED APRIL 7, 1936. Class 23.

335,755. GRAIN ALCOHOL. PACIFIC DISTILLERS, INC., Los Angeles, Calif.
Filed February 15, 1936. Serial No. 374,899. PUBLISHED APRIL 7, 1936. Class 49.

335,756. FRESH VEGETABLES. HENRY L. LYONS, Pompano, Fla.
Filed February 19, 1936. Serial No. 375,019. PUBLISHED APRIL 7, 1936. Class 46.

335,757. NAIL POLISH AND NAIL POLISH REMOVER. ALBERT GENUA, doing business as Deb-e Laboratories, Waterbury, Conn.
Filed February 20, 1936. Serial No. 375,045. PUBLISHED APRIL 7, 1936. Class 6.

335,758. GRAVE OR BURIAL VAULTS AND CASKETS. MUSCATINE METALLIC VAULT COMPANY, Muscatine, Iowa.
Filed February 20, 1936. Serial No. 375,057. PUBLISHED APRIL 7, 1936. Class 2.

335,759. EMULSIFIED COD LIVER OIL FOR POULTRY AND ANIMAL USE. THE ACTON COMPANY, Philadelphia, Pa.
Filed February 21, 1936. Serial No. 375,070. PUBLISHED APRIL 7, 1936. Class 6.

335,760. CHEMICAL RESISTANT PAINT FOR THE PROTECTION OF IRON AND STEEL, CEMENT AND BRICK WORK, WOOD, AS WELL AS VARIOUS TYPES OF FLOORING AND OTHER OBJECTS, AGAINST CORROSION AND DECOMPOSITION. PAPER MAKERS CHEMICAL CORPORATION, Wilmington, Del.
Filed February 26, 1936. Serial No. 375,267. PUBLISHED APRIL 7, 1936. Class 16.

335,761. BOILERS FOR HEATING HOUSES. THE TITUSVILLE IRON WORKS COMPANY, Titusville, Pa.
Filed January 14, 1936. Serial No. 373,649. PUBLISHED APRIL 7, 1936. Class 34.

335,762. MEN'S CLOTHING—NAMELY, COATS, VESTS, TROUSERS, OVERCOATS, AND TOP COATS. THE JOSEPH & FEISS COMPANY, Cleveland, Ohio.
Filed January 14, 1936. Serial No. 373,640. PUBLISHED APRIL 7, 1936. Class 39.

335,763. PEAT MOSS. ATKINS & DURBROW, INC., New York, N. Y.
Filed January 14, 1936. Serial No. 373,632. PUBLISHED MARCH 17, 1936. Class 1.

335,764. WOOD VENEER. THE MENGEL COMPANY, Louisville, Ky.
Filed January 13, 1936. Serial No. 373,612. PUBLISHED MARCH 31, 1936. Class 12.

335,765. WHISKEY AND GIN. ALEXANDER R. FRITZ, INC., Providence, R. I.
Filed January 13, 1936. Serial No. 373,605. PUBLISHED APRIL 7, 1936. Class 49.

335,766. NAPHTHA. THE AMERICAN OIL COMPANY, Baltimore, Md.
Filed January 13, 1936. Serial No. 373,586. PUBLISHED MARCH 31, 1936. Class 15.

335,767. CHEMICAL PREPARATION FOR USE AS WOOD PRESERVATIVE. A. D. CHAPMAN AND COMPANY, New Orleans, La.
Filed January 11, 1936. Serial No. 373,559. PUBLISHED APRIL 7, 1936. Class 6.

335,768. ACTIVATED EARTH FOR TREATING LUBRICATING OILS. WALTER S. BAYLIS, Huntington Park, Calif.
Filed January 11, 1936. Serial No. 373,552. PUBLISHED APRIL 7, 1936. Class 1.

335,769. MEDICINAL PREPARATION RECOMMENDED FOR TREATMENT OF MENSTRUAL IRREGULARITIES AND DESIGNED TO PROMOTE NORMAL PERIODICAL CONDITIONS. ANOGEN, INC., New York, N. Y.
Filed January 11, 1936. Serial No. 373,551. PUBLISHED APRIL 7, 1936. Class 6.

335,770. LUBRICATING GREASES. INTERNATIONAL LUBRICANT CORPORATION, New Orleans and Southport, La.
Filed January 10, 1936. Serial No. 373,529. PUBLISHED MARCH 24, 1936. Class 15.

335,771. CEREAL FOOD PRODUCTS — NAMELY, TOASTED WHEAT FLAKES. HECKER-H-O COMPANY, INC., Buffalo, N. Y.
Filed January 10, 1936. Serial No. 373,528. PUBLISHED APRIL 7, 1936. Class 46.

335,772. COLD CREAM. WILLIAM A. SHENTON, doing business as W. A. Shenton & Co., Jersey City, N. J.
Filed January 9, 1936. Serial No. 373,504. PUBLISHED APRIL 7, 1936. Class 6.

335,773. DENTIFRICE. WILLIAM A. SHENTON, doing business as W. A. Shenton & Co., Jersey City, N. J.
Filed January 9, 1936. Serial No. 373,503. PUBLISHED APRIL 7, 1936. Class 6.

335,774. HOUSE TRAILER FOR USE IN ASSOCIATION WITH AUTOMOBILES, SPECIALLY CONSTRUCTED MOTOR-POWERED LEAD VEHICLES, AND SIMILAR POWERED CONVEYANCES. WILLIAM E. CALDWELL, doing business as Caldwell Mobilhome, Hillsboro, Ohio.
Filed January 9, 1936. Serial No. 373,485. PUBLISHED APRIL 7, 1936. Class 19.

335,775. SHAMPOO. LORRAINE KAY WORTHINGTON, doing business as Three Crowns Laboratory Fifth Avenue, Waterloo, Iowa.
Filed January 8, 1936. Serial No. 373,473. PUBLISHED APRIL 7, 1936. Class 6.

335,776. PREPARATIONS CONTAINING VARIOUS VITAMINS AND MINERALS FOR MEDICINAL, CORRECTIVE, AND NUTRITIONAL PURPOSES. U. S. VITAMIN CORPORATION, Wilmington, Del.
Filed January 8, 1936. Serial No. 373,466. PUBLISHED APRIL 7, 1936. Class 6.

335,777. EAU DE COLOGNE, LAVENDER WATER, HAIR AND MOUTH WASHES, PERFUMES, ETHEREAL OILS, BRILLIANTINE, DEPILATORY, SHAMPOO POWDER, ETC. PAUL PETER MCLHENS, doing business as Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens, Cologne, Germany.
Filed January 8, 1936. Serial No. 373,459. PUBLISHED APRIL 7, 1936. Class 6.

335,778. WHISKEY. JOSEPH H. REINFELD, INC., Newark, N. J.
Filed January 7, 1936. Serial No. 373,430. PUBLISHED APRIL 7, 1936. Class 49.

335,779. PERFUMES, EAU DE COLOGNE, AFTER-SHAVE LOTION, AND TALCUM POWDER. LENTHERIC, INCORPORATED, New York, N. Y.
Filed January 7, 1936. Serial No. 373,422. PUBLISHED APRIL 7, 1936. Class 6.

335,780. REDUCING VALVES FOR GASES UNDER PRESSURE, PARTICULARLY FOR REGULATING THE SUPPLY OF GAS TO WELDING AND CUTTING TORCHES. K-G WELDING AND CUTTING COMPANY, INC., New York, N. Y.
Filed January 7, 1936. Serial No. 373,417. PUBLISHED APRIL 7, 1936. Class 13.

335,781. COAL. BLAZON COAL COMPANY, Blazon, Wyo., and Salt Lake City, Utah.
Filed June 20, 1934. Serial No. 353,377. PUBLISHED APRIL 7, 1936. Class 1.

335,782. WHISKEY. JOSEPH A. BENSON, doing business as Springdale Distilling Company, Stamford, Conn.
Filed February 5, 1936. Serial No. 374,510. PUBLISHED APRIL 7, 1936. Class 49.

335,783. CORSETS. I. NEWMAN & SONS, INC., New Haven, Conn., and New York, N. Y.
Filed February 5, 1936. Serial No. 374,529. PUBLISHED MARCH 31, 1936. Class 39.

335,784. WOMEN'S, MISSES', AND CHILDREN'S DRESSES, FROCKS, CLOAKS, AND SUITS. ART FROCKS, INC., New York, N. Y.
Filed February 6, 1936. Serial No. 374,546. PUBLISHED APRIL 7, 1936. Class 39.

335,785. POLISHING MATERIAL. GLITTER PRODUCTS, INC., Detroit, Mich.
Filed February 6, 1936. Serial No. 374,558. PUBLISHED APRIL 7, 1936. Class 16.

335,786. SKIM MILK POWDER. PET MILK COMPANY, St. Louis, Mo.
Filed February 6, 1936. Serial No. 374,570. PUBLISHED APRIL 7, 1936. Class 46.

335,787. CANNED PORK AND BEANS. GEO. A. MARSH COMPANY, Portland, Maine, assignor to Burnham & Morrill Company, Portland, Maine, a corporation of Maine.
Filed February 6, 1936. Serial No. 374,575. PUBLISHED APRIL 7, 1936. Class 46.

335,788. PEROXIDE. SCHUYLKILL CHEMICAL CO., Philadelphia, Pa.
Filed February 5, 1936. Serial No. 374,532. PUBLISHED MARCH 31, 1936. Class 6.

335,789. ASPHALT COMPOSITION ROOFING AND BUILDING PAPERS. GLOBE ROOFING PRODUCTS CO. INC., Chicago, Ill.
Filed February 7, 1936. Serial No. 374,584. PUBLISHED MARCH 31, 1936. Class 12.

335,790. ASPHALT COMPOSITION ROOFING AND BUILDING PAPERS. GLOBE ROOFING PRODUCTS CO. INC., Chicago, Ill.
Filed February 7, 1936. Serial No. 374,585. PUBLISHED MARCH 31, 1936. Class 12.

335,791. HATS FOR MEN. HAT CORPORATION OF AMERICA, Norwalk, Conn.
Filed February 7, 1936. Serial No. 374,591. PUBLISHED MARCH 31, 1936. Class 39.

335,792. RAW, TREATED AND DYED FUR SKINS AND PARTS THEREOF. MORRIS SCHWARTZ FUR CORP., New York, N. Y.
Filed February 7, 1936. Serial No. 374,598. PUBLISHED APRIL 7, 1936. Class 1.

335,793. TOILET PREPARATIONS AS FOLLOWS: HAIR TONIC AND SHAMPOO. R. B. SEMLER, INC., New York, N. Y.
Filed February 7, 1936. Serial No. 374,605. PUBLISHED MARCH 31, 1936. Class 6.

335,794. READY-MIXED PAINTS, PASTE PAINTS, JAPAN DRIERS, AND WALL SEALING PAINTS. THE CON-FERRO PAINT AND VARNISH COMPANY, St. Louis, Mo.
Filed February 8, 1936. Serial No. 374,616. PUBLISHED APRIL 7, 1936. Class 16.

335,795. CLEANSING CREAMS. TAYTON COMPANY, Kansas City, Mo.
Filed February 8, 1936. Serial No. 374,636. PUBLISHED APRIL 7, 1936. Class 6.

335,796. MISSES', LADIES', AND WOMEN'S COATS AND SUITS. I. KAMINSKY & SONS, INC., New York, N. Y.
Filed February 10, 1936. Serial No. 374,668. PUBLISHED APRIL 7, 1936. Class 39.

335,797. WOVEN AND KNITTED WOOLEN AND MIXTURES OF WOOLEN PIECE GOODS. HERBERT R. LEEDS & CO. INC., New York, N. Y.
Filed February 10, 1936. Serial No. 374,672. PUBLISHED APRIL 7, 1936. Class 42.

335,798. CANNED FRUITS AND VEGETABLES. TAYLOR & SLEDD, INC., Richmond, Va.
Filed February 11, 1936. Serial No. 374,736. PUBLISHED APRIL 7, 1936. Class 46.

335,799. ELECTRIC MOTORS. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed February 12, 1936. Serial No. 374,766. PUBLISHED APRIL 7, 1936. Class 21.

335,800. WHISKY. SCHIEFFELIN & CO., New York, N. Y.
Filed February 12, 1936. Serial No. 374,765. PUBLISHED APRIL 7, 1936. Class 49.

335,801. BOYS', STUDENTS', YOUNG MEN'S, AND MEN'S SUITS, OVERCOATS, TOPCOATS, TROUSERS, PANTS, JACKETS, AND COATS. KLINE BROTHERS CO., New York, N. Y.
Filed February 13, 1936. Serial No. 374,789. PUBLISHED APRIL 7, 1936. Class 39.

335,802. STORAGE BATTERIES. ALLIED BATTERY CORPORATION, Dayton, Ohio.
Filed November 23, 1933. Serial No. 344,084. PUBLISHED JANUARY 16, 1934. Class 21.

335,803. ALMONDS. PRYTZ, SOCIEDAD ANONIMA, Alicante, Spain.
Filed December 6, 1935. Serial No. 372,335. PUBLISHED APRIL 7, 1936. Class 46.

335,804. PUBLICATION PUBLISHED FROM TIME TO TIME. THE CROWELL PUBLISHING COMPANY, New York, N. Y.
Filed December 6, 1935. Serial No. 372,312. PUBLISHED MARCH 31, 1936. Class 38.

335,805 HAIR TONIC. EDWARD B. CUDDY, doing business as Crown Barber Supply Co., New York, N. Y.
Filed December 6, 1935. Serial No. 372,301. PUBLISHED APRIL 7, 1936. Class 6.

335,806. LIQUEURS. SOCIÉTÉ A RESPONSABILITÉ LIMITÉE COINTREAU, Angers, France.
Filed December 5, 1935. Serial No. 372,289. PUBLISHED APRIL 7, 1936. Class 49.

335,807. MANIFOLDING DEVICES. ATLANTIC REGISTER COMPANY, Waltham, Mass.
Filed December 5, 1935. Serial No. 372,271. PUBLISHED APRIL 7, 1936. Class 37.

335,808. MANIFOLDING DEVICES. ATLANTIC REGISTER COMPANY, Waltham, Mass.
Filed December 5, 1935. Serial No. 372,270. PUBLISHED APRIL 7, 1936. Class 37.

335,809. MANIFOLDING DEVICES. ATLANTIC REGISTER COMPANY, Waltham, Mass.
Filed December 5, 1935. Serial No. 372,269. PUBLISHED APRIL 7, 1936. Class 37.

335,810. LADIES' COATS AND SUITS. IRVING FINKEL, INC., New York, N. Y.
Filed December 3, 1935. Serial No. 372,204. PUBLISHED MARCH 31, 1936. Class 39.

335,811. LADIES' PURSES, POCKETBOOKS, AND HAND BAGS. KORET, INC., New York, N. Y.
Filed November 19, 1935. Serial No. 371,733. PUBLISHED APRIL 7, 1936. Class 3.

335,812. STEEL SETTLING TANKS, STEEL STORAGE HOPPERS, AND STEEL BINS. THE JEFFREY MANUFACTURING COMPANY, Columbus, Ohio.
Filed November 16, 1935. Serial No. 371,635. PUBLISHED APRIL 7, 1936. Class 2.

335,813. BRILLIANTINE, HAIR OIL, HAIR TONIC, LILAC TOILET WATER, SHAVING LOTION, WAVE SET, QUININE HAIR TONIC, WITCH HAZEL, ODORLESS HAIR OIL, DANDRUFF SHAMPOO, COCOANUT OIL SHAMPOO, PERMANENT WAVE OIL, HAIR POMADE, HAIR DRESSING, BAY RUM, TOILET WATER, SKIN LOTION, PINE TAR SHAMPOO. RALPH O. PEYREHOUSE, Pomona, Calif.
Filed November 11, 1935. Serial No. 371,405. PUBLISHED APRIL 7, 1936. Class 6.

335,814. INTERNAL MEDICINE FOR STRENGTHENING THE BLOOD AND HAVING INCIDETAL LAXATIVE PROPERTIES. AUNT NELL'S INDIAN MEDICINE CO., Cincinnati, Ohio.
Filed November 5, 1935. Serial No. 371,196. PUBLISHED APRIL 7, 1936. Class 6.

335,815. WHISKEY. GOODERHAM & WORTS LIMITED, Detroit, Mich.
Filed October 25, 1935. Serial No. 370,800. PUBLISHED DECEMBER 31, 1935. Class 49.

335,816. RICE TI HANG LUNG COMPANY, San Francisco, Calif.
Filed October 22, 1935. Serial No. 370,688. PUBLISHED APRIL 7, 1936. Class 46.

335,817. PERFUMES, TOILET WATERS, SACHETS, EAU DE COLOGNES, LIPSTICKS, ROUGE, TALCUM POWDER, FACE POWDER, BATH POWDER, FACE CREAMS, AND CLEANSING CREAMS. PARFUMS CHARBERT, INC., New York, N. Y.
Filed October 22, 1935. Serial No. 370,669. PUBLISHED APRIL 7, 1936. Class 6.

335,818. GIN, WHISKEY, BRANDY, RUM, ALCOHOLIC CORDIALS, AND BOTTLED COCKTAILS. OLD COLLINS COMPANY, INC., DISTILLERS, New York, N. Y.
Filed October 17, 1935. Serial No. 370,476. PUBLISHED APRIL 7, 1936. Class 49.

335,819. CANNED VEGETABLES AND BAKED BEANS. BURNHAM & MORRILL COMPANY, Portland, Maine.
Filed January 7, 1936. Serial No. 373,407. PUBLISHED APRIL 7, 1936. Class 46.

335,820. MEN'S AND BOYS' SUITS, COATS, OVERCOATS, TOPCOATS, VESTS, TROUSERS, KNICKERBOCKERS, AND BREECHES. HART, SCHAFFNER & MARX, Chicago, Ill.
Filed January 6, 1936. Serial No. 373,378. PUBLISHED MARCH 31, 1936. Class 39.

335,821. MEN'S AND BOYS' SUITS, COATS, OVERCOATS, TOPCOATS, VESTS, TROUSERS, KNICKERBOCKERS, AND BREECHES. HART, SCHAFFNER & MARX, Chicago, Ill.
Filed January 6, 1936. Serial No. 373,379. PUBLISHED MARCH 31, 1936. Class 39.

335,822. MEN'S AND BOYS' SUITS, COATS, OVERCOATS, TOPCOATS, VESTS, TROUSERS, KNICKERBOCKERS, AND BREECHES. HART, SCHAFFNER & MARX, Chicago, Ill.
Filed January 6, 1936. Serial No. 373,377. PUBLISHED MARCH 31, 1936. Class 39.

335,823. SCOTCH LIQUEUR WHISKY. THE DRAMBUIE LIQUEUR COMPANY (1927) LIMITED, Edinburgh, Scotland.
Filed January 6, 1936. Serial No. 373,369. PUBLISHED APRIL 7, 1936. Class 49.

335,824. COMBS AND HAIR ORNAMENTS NOT MADE OF PRECIOUS METALS. CONTINENTAL GUMMI-WERKE AKTIENGESELLSCHAFT, Hanover, Germany.
Filed January 6, 1936. Serial No. 373,363. PUBLISHED MARCH 31, 1936. Class 40.

335,825. WHISKY. JOHN W. FLOOD, doing business as J. W. Flood & Co., Louisville, Ky.
Filed December 30, 1935. Serial No. 373,324. PUBLISHED APRIL 7, 1936. Class 49.

335,826. PRINTING INKS. THE INTERNATIONAL PRINTING INK CORPORATION, New York, N. Y.
Filed January 3, 1936. Serial No. 373,803. PUBLISHED APRIL 7, 1936. Class 11.

335,827. POULTRY GRIT. CALCIUM CARBONATE COMPANY, Chicago, Ill.
Filed January 2, 1936. Serial No. 373,247. PUBLISHED APRIL 7, 1936. Class 1.

335,828. LUBRICATING OILS AND FORM OILS USED ON FORMS EMPLOYED FOR CASTING CONCRETE. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif.
Filed December 31, 1935. Serial No. 373,241. PUBLISHED MARCH 24, 1936. Class 15.

335,829. DENTAL SUPPLIES—NAMELY, MEDICATED CEMENTS, SYNTHETIC CEMENTS, GERMICIDAL CEMENTS, MUMMIFICATION CEMENTS, AMALGAMS, GUTTAPERCHA, PASTE FOR MUMMIFICATION AND PASTE FOR DEVITALIZING. ALFRED GYSI, Zurich, Switzerland.
Filed December 31, 1935. Serial No. 373,215. PUBLISHED APRIL 7, 1936. Class 44.

335,830. WATERPROOF AND ELEMENT PROOF TEXTILES. GENERAL FELT PRODUCTS, INC., New York and Brooklyn, N. Y.
Filed December 31, 1935. Serial No. 373,209. PUBLISHED APRIL 7, 1936. Class 50.

335,831. GRAVITY OPERATED SWITCHES USING MERCURY AS A CONTACTOR. BUCKLEN-BEAR LABORATORY, Elkhart, Ind.
Filed December 31, 1935. Serial No. 373,197. PUBLISHED APRIL 7, 1936. Class 21.

335,832. TOY MUSICAL INSTRUMENTS. M. M. POCHAPIN, INC., New York, N. Y.
Filed March 2, 1936. Serial No. 375,464. PUBLISHED APRIL 7, 1936. Class 22.

335,833. BOARD GAME PLAYED WITH MOVABLE PIECES. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass.
Filed March 2, 1936. Serial No. 375,461. PUBLISHED APRIL 7, 1936. Class 22.

335,834. CORRUGATED SHIPPING CONTAINERS. CONTAINER SERVICE COMPANY, Reading, Pa.
Filed February 28, 1936. Serial No. 375,322. PUBLISHED APRIL 7, 1936. Class 2.

335,835. CARTONS FOR SHOES. M. B. CLAFF & SONS, INC., Randolph, Mass.
Filed February 28, 1936. Serial No. 375,319. PUBLISHED APRIL 7, 1936. Class 2.

335,836. LACQUER EMULSION. AULT & WIBORG CORPORATION, Cincinnati, Ohio.
Filed February 28, 1936. Serial No. 375,314. PUBLISHED APRIL 7, 1936. Class 16.

335,837. PHARMACEUTICAL PREPARATION—NAMELY, A TABLET FOR THE RELIEF OF FUNCTIONAL MENSTRUAL CRAMP. ELBERT HOFFMAN, Philadelphia, Pa.
Filed January 7, 1936. Serial No. 373,416. PUBLISHED APRIL 7, 1936. Class 6.

335,838. SUSPENDERS OR BRACES. HICKOK MANUFACTURING COMPANY, INC., Rochester, N. Y.
Filed January 7, 1936. Serial No. 373,415. PUBLISHED MARCH 31, 1936. Class 39.

335,839. HOSIERY. HANES HOSIERY MILLS COMPANY, Winston-Salem, N. C.
Filed January 31, 1936. Serial No. 374,330. PUBLISHED MARCH 31, 1936. Class 39.

335,840. MISSES' AND WOMEN'S DRESSES. LEW L. GLUCK, INC., New York, N. Y.
Filed January 31, 1936. Serial No. 374,328. PUBLISHED APRIL 7, 1936. Class 39.

335,841. GIN. D. J. BIELZOFF PRODUCTS COMPANY, Chicago, Ill.
Filed January 31, 1936. Serial No. 374,321. PUBLISHED APRIL 7, 1936. Class 49.

335,842. COGNAC. ROULLET & Co., Cognac, France.
Filed January 30, 1936. Serial No. 374,302. PUBLISHED APRIL 7, 1936. Class 49.

335,843. MECHANICAL MIXTURE OF MAGNESIUM PHENOBARBITAL PLUS PHENACETIN. THE CALCO CHEMICAL COMPANY, INC., Bound Brook, N. J.
Filed January 30, 1936. Serial No. 374,283. PUBLISHED MARCH 31, 1936. Class 6.

335,844. LAXATIVE TABLETS. IDA B. WINTER, doing business as The M. A. Winter Co., Washington, D. C.
Filed January 29, 1936. Serial No. 374,266. PUBLISHED APRIL 7, 1936. Class 6.

335,845. LAXATIVE TABLETS. IDA B. WINTER, doing business as The M. A. Winter Co., Washington, D. C.
Filed January 29, 1936. Serial No. 374,265. PUBLISHED APRIL 7, 1936. Class 6.

335,846. MEDICINAL PREPARATION USED IN THE TREATMENT OF NOSE AND THROAT IRRITATIONS, HEAD COLDS, NASAL CATARRH, HAY FEVER, AND SINUS HEADACHES. THE WELCO LABORATORIES, Coffeyville, Kans.
Filed January 29, 1936. Serial No. 374,264. PUBLISHED APRIL 7, 1936. Class 6.

335,847. GASOLINE, LUBRICATING OILS, AND GREASES. TIDE WATER OIL COMPANY, Bayonne, N. J., and New York, N. Y.
Filed January 29, 1936. Serial No. 374,263. PUBLISHED MARCH 24, 1936. Class 15.

335,848. LADIES' PAJAMAS. KAYLON, INC., New York, N. Y.
Filed January 29, 1936. Serial No. 374,242. PUBLISHED APRIL 7, 1936. Class 39.

335,849. HARD RUBBER COMBS FOR DRESSING THE HAIR. AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y.
Filed January 29, 1936. Serial No. 374,225. PUBLISHED MARCH 31, 1936. Class 40.

335,850. INTERNAL MEDICINAL PREPARATION INDICATED IN THE TREATMENT OF VARIOUS FORMS OF CONSTIPATION AND GASTRO-INTESTINAL DISTURBANCES. ACME HEALTH LABORATORIES, INC., Battle Creek, Mich.
Filed January 29, 1936. Serial No. 374,224. PUBLISHED MARCH 31, 1936. Class 6.

335,851. FLASHING STRUCTURES, SUCH AS ARE USED IN WALLS OR OTHER PARTS OF BUILDINGS. WASCO FLASHING CO., Cambridge, Mass.
Filed January 28, 1936. Serial No. 374,223. PUBLISHED MARCH 31, 1936. Class 12.

335,852. LAXATIVES. VADSCO SALES CORPORATION, Long Island City, N. Y.
Filed January 28, 1936. Serial No. 374,220. PUBLISHED APRIL 7, 1936. Class 6.

335,853. TOOTHPASTE, TOOTH POWDERS, MOUTH WASHES, TOOTH ACHE GUM, TOOTH ACHE WAX, AND DENTIFRICES. VADSCO SALES CORPORATION, Long Island City, N. Y.
Filed January 28, 1936. Serial No. 374,219. PUBLISHED APRIL 7, 1936. Class 6.

335,854. THERAPEUTIC IODIN COMPOUNDS HAVING ALTERATIVE AND ANTISEPTIC INTERNAL USAGE AND ANTISEPTIC EXTERNAL USAGE. PITMAN-MOORE COMPANY, Indianapolis, Ind.
Filed January 28, 1936. Serial No. 374,208. PUBLISHED MARCH 31, 1936. Class 6.

335,855. WOOLEN AND WORSTED PIECE GOODS. GIBSON & LUMGAIR, LTD., Selkirk, Scotland.
Filed January 28, 1936. Serial No. 374,187. PUBLISHED APRIL 7, 1936. Class 42.

335,856. LUBRICATING OILS. THE FREEDOM OIL WORKS COMPANY, Freedom, Pa.
Filed January 28, 1936. Serial No. 374,186. PUBLISHED MARCH 31, 1936. Class 15.

335,857. GREEN COFFEE. STEINWENDER, STOFFREGEN & COMPANY, INC., New York, N. Y.
Filed January 27, 1936. Serial No. 374,188. PUBLISHED APRIL 7, 1936. Class 46.

335,858. LADIES' HANDBAGS. SAKS & COMPANY, New York, N. Y.
Filed January 27, 1936. Serial No. 374,159. PUBLISHED APRIL 7, 1936. Class 3.

335,859. LADIES' AND MISSES' FROCKS AND DRESSES. JOSEPH S. COHEN & SONS CO. INC., New York, N. Y.
Filed February 18, 1935. Serial No. 361,508. PUBLISHED APRIL 7, 1936. Class 39.

335,860. LUMBER, SHINGLES, LATHS, PLYWOOD ARTICLES, AND FLOORINGS OF SOFT WOOD, SUCH AS FIR, HEMLOCK, AND SPRUCE. BLANCHARD LUMBER COMPANY, Boston, Mass.
Filed December 30, 1933. Serial No. 345,583. PUBLISHED MARCH 31, 1936. Class 12.

335,861. LADIES' AND MISSES' FROCKS AND DRESSES. JOSEPH S. COHEN & SONS CO. INC., New York, N. Y.
Filed February 18, 1935. Serial No. 361,507. PUBLISHED APRIL 7, 1936. Class 39.

335,862. COCOA. FOOD PRODUCTS CO. OF AMERICA, Chicago, Ill.
Filed January 19, 1935. Serial No. 360,435. PUBLISHED APRIL 7, 1936. Class 46.

335,863. GALVANIZED STEEL STRIP, BARS, AND SHEETS. WEST LEECHBURG STEEL COMPANY, West Leechburg, Pa.
Filed January 15, 1935. Serial No. 360,301. PUBLISHED APRIL 7, 1936. Class 14.

335,864. SALVE. ESTILL COHORN, doing business as Cohorn's Salve Co., Fort Thomas, Ky.
Filed January 14, 1935. Serial No. 360,215. PUBLISHED APRIL 7, 1936. Class 6.

335,865. WHISKEY. FRED WOLFERMAN, INCORPORATED, Kansas City, Mo.
Filed December 31, 1934. Serial No. 359,831. PUBLISHED APRIL 7, 1936. Class 49.

335,866. DEODORIZERS AND ODORANTS FOR VARIOUS RUBBER PRODUCTS. W. J. BUSH & Co. INC., New York, N. Y.
Filed December 21, 1934. Serial No. 359,536. PUBLISHED APRIL 7, 1936. Class 6.

335,867. ETHYL ALCOHOL, RUMS, BRANDIES, AND COGNACS. JOSÉ ARECHABALA, S. A., Cardenas, Cuba.
Filed December 12, 1934. Serial No. 359,195. PUBLISHED APRIL 7, 1936. Class 49.

335,868. ETHYL ALCOHOL, RUMS, BRANDIES, AND COGNACS. JOSÉ ARECHABALA, S. A., Cardenas, Cuba.
Filed December 12, 1934. Serial No. 359,193. PUBLISHED APRIL 7, 1936. Class 49.

335,869. CAPS USED BY COOKS, WAITERS, WAITRESSES, BAR MEN, BUS BOYS, SERVICE MEN, SODA DISPENSERS, AND THE LIKE. KEYSTONE ADJUSTABLE CAP CORPORATION, Philadelphia, Pa.
Filed December 23, 1935. Serial No. 372,974. PUBLISHED MARCH 31, 1936. Class 39.

335,870. CHEESE, CONDENSED, EVAPORATED, AND CHOCOLATE MILK, AND BUTTERMILK, ICE CREAM MIX, EGGS, HAM, BACON, AND SAUSAGE. BLUE VALLEY CREAMERY COMPANY, Chicago, Ill.
Filed December 18, 1935. Serial No. 372,761. PUBLISHED APRIL 7, 1936. Class 46.

335,871. WHISKEY. ST. LOUIS CRYSTAL WATER & SODA Co., St. Louis, Mo.
Filed December 16, 1935. Serial No. 372,689. PUBLISHED APRIL 7, 1936. Class 49.

335,872. PERIODICALS. PREVIEWS INCORPORATED, New York, N. Y.
Filed December 12, 1935. Serial No. 372,570. PUBLISHED MARCH 31, 1936. Class 38.

335,873. PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, BATH SALTS, BRILLIANTINE, BANDOLINE, ROUGE, LIP STICKS, DUSTING POWDER, SACHET, COLD CREAMS, LOTION FOR THE SKIN AND HAIR, POWDER AND ROUGE COMPACTS, AND EAU VEGETAL AND EAU DE COLOGNE. HOUBIGANT, INC., New York, N. Y.
Filed December 11, 1935. Serial No. 372,517. PUBLISHED MARCH 31, 1936. Class 6.

335,874. RUM. JUSTO GONZÁLEZ Y CIA., S. A., Habana, Cuba.
Filed December 10, 1935. Serial No. 372,475. PUBLISHED APRIL 7, 1936. Class 49.

335,875. DRY GIN, SLOE GIN, ORANGE GIN, WHISKEY, AND ALCOHOLIC CORDIALS. BEN-BURK, INC., Boston, Mass.
Filed December 10, 1935. Serial No. 372,455. PUBLISHED APRIL 7, 1936. Class 49.

335,876. MEN'S AND WOMEN'S CUSTOM MADE AND READY MADE CLOTHES—NAMELY, GOWNS, CLOAKS, CAPES, HATS, BONNETS, AND BERETS, SCARFS AND MUFFS OF FABRIC AND OF FUR; BLOUSES, PYJAMAS, DAY AND NIGHT CHEMISES, AND COMBINATION CHEMISES AND PANTALOONS, AND CORSETS. SOCIÉTÉ A RESPONSABILITÉ LIMITÉE "MAINBOCHER," Paris, France.
Filed October 17, 1935. Serial No. 370,472. PUBLISHED MARCH 31, 1936. Class 39.

335,877. FERROUS ALLOYS IN BULK FORM WHICH ARE UNFINISHED AND SUBSTANTIALLY UNMACHINABLY HARD, EXCLUDING APPLICATION ON FINISHED OR LINED PARTS. INDUSTRIAL RESEARCH LABORATORIES, LTD., San Francisco, Calif.
Filed August 13, 1935. Serial No. 368,258. PUBLISHED NOVEMBER 19, 1935. Class 14.

335,878. EGGS, FRESH VEGETABLES, MILK, BUTTER, FRESH DECIDUOUS FRUITS. NATHANIEL L. HOWARD, Chicago, Ill.
Filed October 3, 1935. Serial No. 369,987; PUBLISHED APRIL 7, 1936. Class 46.

335,879. FRESH DECIDUOUS FRUIT AND CANNED FRUITS AND VEGETABLES. PACIFIC FRUIT & PRODUCE COMPANY, Seattle, Wash.
Filed October 2, 1935. Serial No. 369,927. PUBLISHED APRIL 7, 1936. Class 46.

335,880. RUBBING LINIMENT OR COMPOUND. GEORGE D. LEOCOPOULOS, doing business as Royal Liniment Co., Chicopee Falls, Mass.
Filed September 30, 1935. Serial No. 369,851. PUBLISHED APRIL 7, 1936. Class 6.

335,881. RIDING BREECHES. PASSAIC WOOLFLEX MANUFACTURING COMPANY, Paterson, N. J.
Filed September 28, 1935. Serial No. 369,825. PUBLISHED APRIL 7, 1936. Class 39.

335,882. WHISKEY. GLENMORE DISTILLERIES COMPANY, Louisville and Owensboro, Ky.
Filed September 25, 1935. Serial No. 369,696. PUBLISHED DECEMBER 10, 1935. Class 49.

335,883. WOMEN'S SHOES OF LEATHER AND FABRIC, AND A COMBINATION OF THESE MATERIALS. EXCELSIOR SHOES INC., Portsmouth, Ohio.
Filed September 25, 1935. Serial No. 369,694. PUBLISHED MARCH 31, 1936. Class 39.

335,884. PERIODICAL PUBLICATION. YANKEE, INC., Dublin, N. H.
Filed September 24, 1935. Serial No. 369,670. PUBLISHED MARCH 31, 1936. Class 38.

335,885. PREPARATION FOR THE TREATMENT OF MALNUTRITION, DEFECTIVE METABOLISM, AND INFECTION OF THE SKIN. PUBLICITE FRANCO-AMERICAINE, Paris, France.
Filed September 20, 1935. Serial No. 369,547. PUBLISHED MARCH 31, 1936. Class 6.

335,886. MOISTURE-PROOF INTERLEAVING FABRIC. IRVINGTON VARNISH & INSULATOR COMPANY, Irvington, N. J.
Filed September 19, 1935. Serial No. 369,489. PUBLISHED APRIL 7, 1936. Class 50.

335,887. COCKTAILS. POPPER-MORSON CO. INC., Jersey City, N. J.
Filed September 17, 1935. Serial No. 369,417. PUBLISHED OCTOBER 29, 1935. Class 49.

335,888. COMBINED WALKING STICKS AND SEATS. ALBERT JAY SHELDON, doing business as Swagger Seat Company, Willsboro, N. Y.
Filed September 16, 1935. Serial No. 369,377. PUBLISHED MARCH 17, 1936. Class 41.

335,889. RECTAL SUPPOSITORIES. ADOLPH A. EDLICH, doing business as The Edlich Laboratory, New York, N. Y.
Filed September 13, 1935. Serial No. 369,269. PUBLISHED APRIL 7, 1936. Class 6.

335,890. GASOLINE, LUBRICATING OILS AND GREASES. SOUTHERN INDEPENDENT OIL AND REFINING COMPANY, INC., Evansville, Ind.
Filed September 7, 1935. Serial No. 369,110. PUBLISHED MARCH 31, 1936. Class 15.

335,891. PREPARED SHELLACS AND LACS. ANGELO BROTHERS LIMITED, Calcutta, India.
Filed August 27, 1935. Serial No. 368,733. PUBLISHED APRIL 7, 1936. Class 16.

335,892. PREPARED SHELLACS AND LACS. ANGELO BROTHERS LIMITED, Calcutta, India.
Filed August 27, 1935. Serial No. 368,731. PUBLISHED APRIL 7, 1936. Class 16.

335,893. COMBINED GLOVE AND SLEEVE OR ARM COVER OR PROTECTOR. EDWARD BOCKLI, Boston, Mass.
Filed August 22, 1935. Serial No. 368,554. PUBLISHED MARCH 31, 1936. Class 39.

335,894. PERFUMES, COSMETICS COMPRISING PREPARATIONS FOR PHYSICAL TREATMENT OF THE HAIR, SKIN, AND NAILS, POMADES, AND LIPSTICKS. BÖHME FETTCHEMIE-GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, Chemnitz, Germany.
Filed August 15, 1935. Serial No. 368,320. PUBLISHED APRIL 7, 1936. Class 6.

335,895. PERFUMES. LENTHERIC, INCORPORATED, New York, N. Y.
Filed August 13, 1935. Serial No. 368,260. PUBLISHED APRIL 7, 1936. Class 6.

335,896. BOOKLET PUBLISHED FROM TIME TO TIME. RETAIL CREDIT COMPANY, Atlanta, Ga.
Filed December 14, 1933. Serial No. 344,946. PUBLISHED MARCH 31, 1936. Class 38.

335,897. DRESS SHAPING BOARDS MADE OF CARDBOARD USED AS DRESS FORMS. SIDNEY I. MILLMAN, New York, N. Y.
Filed January 27, 1936. Serial No. 374,151. PUBLISHED APRIL 7, 1936. Class 50.

335,898. LADIES' RAYON BLOOMERS AND PANTIES. SUPERTEX MILLS, Philadelphia, Pa.
Filed January 25, 1936. Serial No. 374,099. PUBLISHED MARCH 31, 1936. Class 39.

335,899. PAJAMAS, NIGHTROBES, RUNNING PANTS, AND UNION SUITS FOR MEN. PLYMOUTH UNDERWEAR COMPANY, Boston, Mass.
Filed January 25, 1936. Serial No. 374,093. PUBLISHED MARCH 31, 1936. Class 39.

335,900. WOMEN'S COATS AND SUITS. LAVANSHIRE COAT CO., INC., New York, N. Y.
Filed January 17, 1936. Serial No. 374,069. PUBLISHED MARCH 31, 1936. Class 39.

335,901. MEN'S OVERCOATS. WARE, PRATT COMPANY, Worcester, Mass.
Filed January 24, 1936. Serial No. 374,066. PUBLISHED MARCH 31, 1936. Class 39.

335,902. CIGARS. RUBINI CIGAR COMPANY, INC., Chicago, Ill.
Filed January 24, 1936. Serial No. 374,061. PUBLISHED APRIL 7, 1936. Class 17.

335,903. LUGGAGE AND LEATHER GOODS—NAMELY, TRUNKS, SUIT CASES, PULLMAN CASES, TRAVELLING BAGS, TRAVELLING KITS, HAT BOXES, MEN'S AND LADIES' POCKETBOOKS, BRIEF CASES, AND PORTFOLIOS. TALL'S TRAVEL SHOPS, INC., Seattle, Wash.
Filed January 23, 1936. Serial No. 374,023. PUBLISHED APRIL 7, 1936. Class 3.

335,904. SKIN CREAM. CHARLES OF THE RITZ, INC, New York, N. Y
Filed January 23, 1936 Serial No. 373,996. PUBLISHED APRIL 7, 1936. Class 6.

335,905. BERETS FOR CHILDREN, WOMEN, AND MEN. FEZ AMERICA, INC., New York, N. Y.
Filed January 22, 1936. Serial No. 373,959. PUBLISHED MARCH 31, 1936. Class 39.

335,906. NURSES' AND MAIDS' UNIFORMS, CAPS, CAPES, GOWNS, LEATHER SHOES, AND HOSIERY. BENJAMIN COHEN, New York, N. Y.
Filed January 22, 1936. Serial No. 373,951. PUBLISHED MARCH 31, 1936. Class 39.

335,907. OVERCOATS, COATS, PANTS, AND VESTS. THE GLOBE TAILORING COMPANY, Cincinnati, Ohio.
Filed January 21, 1936. Serial No. 373,917. PUBLISHED APRIL 7, 1936. Class 39.

335,908. MEDICINAL PREPARATION FOR USE IN THE TREATMENT OF THE EARS. H. F. FUERSTNOW, doing business as Peerless Drug Co., Peerless, Mont.
Filed January 21, 1936. Serial No. 373,915. PUBLISHED MARCH 31, 1936. Class 6.

335,909. LIQUID PREPARATION FOR APPLICATION ON THE CHEST IN THE TREATMENT OF THROAT AND CHEST AILMENTS. ROBERT W. SENCERBOX, doing business as Mission Laboratories, Santa Barbara, Calif.
Filed January 20, 1936. Serial No. 373,894. PUBLISHED MARCH 31, 1936. Class 6.

335,910. MEDICINAL PREPARATION TO BE USED EXTERNALLY OR INTERNALLY IN THE TREATMENT OF COLDS AND CONGESTION. MYRACOL CHEMICAL COMPANY, West Haven, Conn.
Filed January 20, 1936. Serial No. 373,887. PUBLISHED APRIL 7, 1936. Class 6.

335,911. PHOTOGRAPHS. JOHNSTON & JOHNSTON, INC., Pittsburgh, Pa.
Filed January 20, 1936. Serial No. 373,873. PUBLISHED MARCH 31, 1936. Class 38.

335,912. FINGER RINGS AND CLASS PINS. JOSTEN MANUFACTURING COMPANY, Owatonna, Minn.
Filed January 18, 1936. Serial No. 373,830. PUBLISHED MARCH 31, 1936. Class 28.

335,913. CANNED VEGETABLES. SUSSMAN, WORMSER & Co., San Francisco, Calif.
Filed January 17, 1936. Serial No. 373,810. PUBLISHED APRIL 7, 1936. Class 46.

335,914. AIR CONDITIONING BLOWER AND FILTER UNIT. SCHWITZER-CUMMINS COMPANY, Indianapolis, Ind.
Filed January 17, 1936. Serial No. 373,803. PUBLISHED APRIL 7, 1936. Class 34.

335,915. WIRE FABRIC. WICKWIRE BROTHERS, Cortland, N. Y.
Filed January 16, 1936. Serial No. 373,760. PUBLISHED APRIL 7, 1936. Class 13.

335,916. PREPARATION FOR THE TREATMENT OF HYPERACIDITY, PEPTIC ULCER, PYLOROSPASM, GASTRITIS, DUODENITIS, SPASTIC COLON, MUCOUS COLITIS, ULCERATIVE COLITIS. HARRY M. EUDOWE, doing business as Eudowe Laboratories, New Haven, Conn.
Filed January 16, 1936. Serial No. 373,724. PUBLISHED MARCH 31, 1936. Class 6.

335,917. WHISKEY. BEAZY LIQUOR CO., Milwaukee, Wis.
Filed December 7, 1935. Serial No. 372,347. PUBLISHED APRIL 7, 1936. Class 49.

335,918. MATCHES. BIDDLE PURCHASING CO., New York, N. Y.
Filed February 25, 1935. Serial No. 361,796. PUBLISHED APRIL 7, 1936. Class 9.

335,919. RUMS, BRANDIES, AND WHISKIES. JOSÉ ARECHABALA, S. A., Cardenas, Cuba.
Filed March 9, 1935. Serial No. 362,285. PUBLISHED APRIL 7, 1936. Class 49.

335,920. SAFETY PAPER, CARDS, TICKETS, CHECKS, AND LETTERHEADS. THE UNION LITHOGRAPH CO. INC., Los Angeles, Calif.
Filed March 11, 1935. Serial No. 362,389. PUBLISHED APRIL 7, 1936. Class 37.

335,921. TOY WAGONS. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio.
Filed March 12, 1935. Serial No. 362,416. PUBLISHED APRIL 7, 1936. Class 22.

335,922. ART NEEDLEWORK PACKAGE OUTFITS CONTAINING FOUNDATION MATERIAL, STAMPED OR OTHERWISE SUITABLY PREPARED, AND ART NEEDLEWORK SUPPLIES TO BE USED IN CONNECTION THEREWITH. BERNHARD ULMANN CO. INC., New York, N. Y.
Filed March 23, 1935. Serial No. 362,933. PUBLISHED MARCH 31, 1936. Class 40.

335,923. JEWELRY AND ORNAMENTS FOR PERSONAL WEAR OR ADORNMENT, NOT INCLUDING WATCHES—NAMELY, FINGER RINGS, BRACELETS, CUFF LINKS, CLASPS, PENDANTS, NECKLACES, ETC. VAN CLEEF & ARPELS, Paris, France.
Filed April 16, 1935. Serial No. 363,837. PUBLISHED MARCH 31, 1936. Class 28.

335,924. COATED AND UNCOATED BOOK PAPERS. BRADNER SMITH & COMPANY, Chicago, Ill.
Filed May 10, 1935. Serial No. 364,754. PUBLISHED APRIL 7, 1936. Class 37.

335,925. WINES OTHER THAN CHAMPAGNE WINES. EDWARD YOUNG & Co. LIMITED, London and Liverpool, England.
Filed May 10, 1935. Serial No. 364,799. PUBLISHED APRIL 7, 1936. Class 47.

335,926. HOSIERY. HANES HOSIERY MILLS COMPANY, Winston-Salem, N. C.
Filed January 31, 1936. Serial No. 374,331. PUBLISHED MARCH 31, 1936. Class 39.

335,927. ELECTRICALLY HEATED BROODERS AND PARTS THEREOF. LUTY HAWKINS, doing business as Hawkins Million Dollar Hen, Mount Vernon, Ill.
Filed January 31, 1936. Serial No. 374,333. PUBLISHED APRIL 7, 1936. Class 50.

335,928. MONTHLY PUBLICATION. QUALITY BAKERS OF AMERICA INC., New York, N. Y.
Filed February 1, 1936. Serial No. 374,385. PUBLISHED MARCH 31, 1936. Class 38.

335,929. WOMEN'S SHOES OF LEATHER AND FABRIC, AND A COMBINATION OF THESE MATERIALS. THE SELBY SHOE CO., Portsmouth, Ohio.
Filed February 1, 1936. Serial No. 374,388. PUBLISHED MARCH 31, 1936. Class 39.

335,930. MALARIA PRESCRIPTION. FRANCES CAMPBELL, doing business as Frances Campbell Mfg. Co., San Antonio, Tex.
Filed February 3, 1936. Serial No. 374,399. PUBLISHED APRIL 7, 1936. Class 6.

335,931. HATS FOR MEN. HAT CORPORATION OF AMERICA, Norwalk, Conn.
Filed February 1, 1936. Serial No. 374,366. PUBLISHED MARCH 31, 1936. Class 39.

335,932. SPORT SHIRTS. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa.
Filed January 31, 1936. Serial No. 374,347. PUBLISHED MARCH 31, 1936. Class 39.

335,933. MEDICAL PREPARATION FOR TREATING THE STOMACH AND BOWELS. SILAS J. WILSON, Selma, N. C.
Filed February 4, 1936. Serial No. 374,504. PUBLISHED APRIL 7, 1936. Class 6.

335,934. PREPARATION IN POWDERED FORM HAVING SILK PRESERVATIVE PROPERTIES. TUXITE, INC., New York, N. Y.
Filed February 4, 1936. Serial No. 374,498. PUBLISHED MARCH 31, 1936. Class 6.

335,935. MEN'S, WOMEN'S, MISSES', AND CHILDREN'S ARTICLES OF CLOTHING, AS FOLLOWS: GLOVES AND MITTENS, SHOES, SLIPPERS, AND SANDALS MADE OF LEATHER, CALFSKIN, FABRIC, SILK, AND LINEN, OR ANY COMBINATION THEREOF, ETC. STEINBERGER BROS. GLOVE CORPORATION, New York, N. Y.
Filed February 4, 1936. Serial No. 374,490. PUBLISHED MARCH 31, 1936. Class 39.

335,936. WHISKEY, GIN, BRANDY, COGNAC, RUM, AND ALCOHOLIC CORDIALS. RECORDS & GOLDSBOROUGH, INCORPORATED, Baltimore, Md.
Filed February 4, 1936. Serial No. 374,480. PUBLISHED APRIL 7, 1936. Class 49.

335,937. SILVER PLATED TABLEWARE AND SILVER PLATED CUTLERY. ONEIDA LTD., Sherrill and Oneida, N. Y., and Northampton, Mass.
Filed February 4, 1936. Serial No. 374,475. PUBLISHED MARCH 31, 1936. Class 28.

335,938. WHISKEY, GIN, BRANDY, RUM, COGNAC, AND ALCOHOLIC CORDIALS. MAJESTIC DISTILLING COMPANY, INC., Baltimore, Md.
Filed February 4, 1936. Serial No. 374,469. PUBLISHED APRIL 7, 1936. Class 49.

335,939. FRESH VEGETABLES NOT INCLUDING LETTUCE. HENRY L. LYONS, Pompano, Fla.
Filed February 4, 1936. Serial No. 374,468. PUBLISHED APRIL 7, 1936. Class 46.

335,940. SAFETY PLASTER AND METAL LATH. NATHAN KAMINETSKY, Passaic, N. J.
Filed February 4, 1936. Serial No. 374,464. PUBLISHED MARCH 31, 1936. Class 12.

335,941. HOSIERY. COOPER, WELLS & COMPANY, St. Joseph, Mich.
Filed February 4, 1936. Serial No. 374,456. PUBLISHED MARCH 31, 1936. Class 39.

335,942. LIPSTICKS. ELIZABETH ARDEN, INC., New York, N. Y.
Filed February 4, 1936. Serial No. 374,451. PUBLISHED MARCH 31, 1936. Class 6.

335,943. READY MIXED PAINTS, PASTE PAINTS, PAINT ENAMELS, LACQUER ENAMEL, COLORS IN OILS, VARNISHES, PREPARED SHELLACS, ALUMINUM PAINTS. APEX COLOR WORKS, INC., New York, N. Y.
Filed February 4, 1936. Serial No. 374,450. PUBLISHED APRIL 7, 1936. Class 16.

335,944. PREPARATION FOR THE TREATMENT OF DISEASES OR SYMPTOMS PRODUCED BY REMOVAL OR DESTRUCTION OF THE GALL BLADDER, ORIGINATED BY ACUTE OR CHRONIC PROCESSES, INFLAMMATIONS AND LESIONS OF THE LIVER AND THE PANCREAS. SÄCHSISCHES SERUMWERK, AKTIENGESELLSCHAFT, Dresden, Germany.
Filed February 3, 1936. Serial No. 374,434. PUBLISHED MARCH 31, 1936. Class 6.

335,945. WOMEN'S, MISSES', AND CHILDREN'S DRESSES AND NEGLIGEES. M. C. SCHRANK COMPANY, Bridgeton, N. J.
Filed February 3, 1936. Serial No. 374,436. PUBLISHED APRIL 7, 1936. Class 39.

335,946. PREPARATION FOR CORN TREATMENT, BUNION LOTION, PREPARATION FOR TREATMENT OF EARACHE, PREPARATION FOR TREATMENT OF TOOTHACHE, PREPARATION FOR TREATMENT OF WARTS, HAIR WASH, ETC. MORGAN-SABALOL PRODUCTS, INC., New York, N. Y.
Filed February 3, 1936. Serial No. 374,428. PUBLISHED APRIL 7, 1936. Class 6.

335,947. GERMICIDE, DISINFECTANT, ANTISEPTIC, AND DEODORANT FOR USE IN HOSPITALS AND SCHOOLS. MIDLAND CHEMICAL LABORATORIES, INC., Dubuque, Iowa.
Filed February 3, 1936. Serial No. 374,427. PUBLISHED MARCH 31, 1936. Class 6.

335,948. COMBINED FILLER AND SURFACE FINISHER SIMILAR TO A VARNISH FOR GYMNASIUM FLOORS. MIDLAND CHEMICAL LABORATORIES, INC., Dubuque, Iowa.
Filed February 3, 1936. Serial No. 374,426. PUBLISHED APRIL 7, 1936. Class 16.

335,949. FOOD INSECTICIDE USED IN FLOUR MILLS TO ERADICATE INSECT PESTS BY THE GAS THROWN OFF. MIDLAND CHEMICAL LABORATORIES, INC., Dubuque, Iowa.
Filed February 3, 1936. Serial No. 374,425. PUBLISHED MARCH 31, 1936. Class 6.

335,950. WHISKEY. A. LYON, Los Angeles, Calif.
Filed February 3, 1936. Serial No. 374,418. PUBLISHED APRIL 7, 1936. Class 49.

335,951. MEDICINAL PREPARATION IN TABLET FORM TO RELIEVE TIRED AND DROWSY FEELING. CHARLES W. LUND, doing business as Keen-Eye Company, Willows, Calif.
Filed February 3, 1936. Serial No. 374,417. PUBLISHED MARCH 31, 1936. Class 6.

335,952. WINDOW SHADES. CLOPAY CORPORATION, Cincinnati, Ohio.
Filed February 3, 1936. Serial No. 374,403. PUBLISHED APRIL 7, 1936. Class 32.

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION
[ACT OF MARCH 19, 1920, SEC. 1 (b)]

353,953. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE LANDER CO. INC., doing business as Elizabeth Post, New York, N. Y. Filed Mar. 3, 1936. Serial No. 375,513.

Elizabeth Post

For Lipsticks, Rouge, Theatrical Rouge, Hand Lotions, Skin Creams, Brilliantine, Wave Set, Cuticle Remover, Nail Polish, Polish Remover, Perfume, Face Powder, Talcum Powder.
Claims use since January, 1934.

335,954. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE G. F. HARVEY COMPANY, Saratoga Springs, N. Y. Filed Mar. 13, 1936. Serial No. 375,940.

SARATOGA OINTMENT

For Pharmaceutical Preparation—Namely, an Ointment Consisting of Boracic Acid, Zinc Oxide, Eucalyptol, Prepared Suet and Petrolatum, Indicated for Use Wherever an Astringent, Non-Irritating and Smooth Ointment Dressing is Required to Protect and Soften Abraded or Injured Surface Tissue, Such as Occurs in Eczema, Hemorrhoids, Ulcers, Scalds, Burns, Sunburns, and Surface Wounds or Abrasions.
Claims use since 1896.

335,955. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HOWARD RADIO CO., Chicago, Ill. Filed Apr. 2, 1936. Serial No. 376,725.

Howard

For Radio Receiving Sets.
Claims use since Jan. 1, 1923.

335,956. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ANGUS MCPHEE, doing business as Riggin Chemical Co., St. Louis, Mo. Filed Apr. 20, 1936. Serial No. 377,404.

Riggin's

For Automobile Polish.
Claims use since Jan. 1, 1928.

335,957. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HOFFMAN DRYER CO., LTD., New York, N. Y. Filed Apr. 8, 1936. Serial No. 376,951.

HOFFMAN

For Electric Hair Drying Apparatus, Hoods, and Parts Therefor.
Claims use since Nov. 18, 1932.

335,958. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LONDON HOUSE, LTD., New York, N. Y. Filed Sept. 18, 1934. Serial No. 356,149.

DEVON MILK
PRE-FACIAL

For Soaps and Cleansing Preparations Composed of Soap Ingredients.
Claims use since Aug. 6, 1933.

335,959. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY J. MEAD, doing business as Commonwealth Laboratories, Aurora, Ill. Filed Jan. 11, 1935. Serial No. 360,136.

IODYNE
SHAMPOO
Feeds hair roots iodine

For Preparations Adapted For the Hair and Scalp.
Claims use since May, 1934.

335,960. (CLASS 38. PRINTS AND PUBLICATIONS.) THE CROWELL PUBLISHING COMPANY, New York, N. Y. Filed Feb. 11, 1936. Serial No. 374,710.

THE HARVARD CLASSICS

For Series of Books.
Claims use since 1909.

335,961. (CLASS 38. PRINTS AND PUBLICATIONS.) THE CROWELL PUBLISHING COMPANY, New York, N. Y. Filed Feb. 11, 1936. Serial No. 374,709.

THE FIVE-FOOT SHELF OF BOOKS

For Series of Books.
Claims use since 1909.

335,962. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM THOMAS EAGER, doing business as Eager Medicine Company, Lebanon, Ky. Filed Jan. 13, 1936. Serial No. 373,599.

Dr. W. R. Morgan's Vermifuge Capsules

For Vermifuge Capsules.
Claims use since June, 1930.

335,963. (CLASS 47. WINES.) VINEYARDISTS, INC., Penn Yan, N. Y. Filed Jan. 6, 1936. Serial No. 373,401.

VINTNERS

VINEYARDISTS, INC.

For Wines.
Claims use since Mar. 23, 1934.

335,964. (CLASS 4. ABRASIVES, DETERGENT, AND POLISHING MATERIALS.) JOHN B. MARINO, New York, N. Y. Filed Dec. 7, 1935. Serial No. 372,374.

CADILLAC

For Chemically Impregnated Polishing Cloths for Furniture and Metals.
Claims use since Sept. 7, 1934.

335,965. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) BERNARD WIGDER, doing business as The Wigder Manufacturing Co., Newark, N. J. Filed Nov. 19, 1935. Serial No. 371,746.

Wigder

For Manicure Implements—Namely, Nail Files, Tweezers, Nail Clippers, Cuticle Shapers and Cleaners, Cuticle Scissors, and Blackhead Removers.
Claims use since June 1, 1915.

335,966. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) KAISERSLAUTERER VERBANDSTOFF-FABRIK EMIL BENDER G. M. B. H., Kaiserlautern, Germany. Filed Oct. 19, 1936. Serial 370,553.

STANDARD

For Surgical and Orthopedic Bandages.
Claims use since March, 1935.

335,967. (CLASS 2. RECEPTACLES.) JAMES V. GREENE, doing business as Chelsea Products, New York, N. Y. Filed Oct. 9, 1935. Serial No. 370,180.

CAFATRAY

For Trays Made of Composition Material.
Claims use since June 28, 1933.

335,968. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) SOSNA PRODUCTS, INC., New York, N. Y. Filed Aug. 10, 1935. Serial No. 368,195.

SOSNA

For Permanent Hair Waving Machines.
Claims use since July 15, 1934.

335,969. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE STEARNS & FOSTER CO., Lockland, Cincinnati, Ohio. Filed May 23, 1935. Serial No. 365,315.

NORMANDIE

For Mattresses and Box Springs.
Claims use since Apr. 30, 1935.

335,970. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) S. H. KRESS AND COMPANY, New York, N. Y. Filed Sept. 8, 1934. Serial No. 355,844.

FILES THAT BITE

For Files.
Claims use since Aug. 1, 1934.

335,971. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE PALMER COMPANY, St. Bernard, Ohio. Filed Nov. 30, 1934. Serial No. 358,788.

RED READING MERCURY.

For Thermometers.
Claims use since Aug. 20, 1930.

335,972. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DURATONE, INC., Cincinnati, Ohio. Filed Jan. 17, 1935. Serial No. 360,347.

Duratex

For Starch Softener or Sizing.
Claims use since Oct. 5, 1934.

335,973. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SCHOLL MFG. CO., INC., Chicago, Ill. Filed Mar. 14, 1935. Serial No. 362,535.

STANDARD WHITE

For Medicated Corn, Callous, and Bunion Pads.
Claims use since Jan. 15, 1935.

335,974. (CLASS 48. MALT BEVERAGES AND LIQUORS.) FRANKENMUTH BREWING COMPANY, Frankenmuth, Mich. Filed Mar. 15, 1935. Serial No. 362,565.

Frankenmuth
Old English

For Malt Beverages With Not More Than the Legal Alcoholic Content.
Claims use since January, 1935.

335,975. (CLASS 39. CLOTHING.) HEITKIN FUR CO., INC., New York, N. Y. Filed Mar. 30, 1935. Serial No. 363,216.

BOMBAY - BROWN

For Fur Coats.
Claims use since Mar. 1, 1935.

335,976. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GEROTOR MAY COMPANY, Baltimore, Md. Filed Apr. 16, 1935. Serial No. 363,804.

NUROTOR

For Fluid Pumps and Compressors.
Claims use since Apr. 11, 1935.

335,977. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) H. K. PORTER, INC., Everett, Mass. Filed May 9, 1935. Serial No. 364,734.

POINTCUT

For Wood-Cutting Tool for Brush Cutting, Pruning, Trimming, and Any General Improvement Cutting.
Claims use since May 4, 1935.

335,978. (CLASS 38. PRINTS AND PUBLICATIONS.) THE SCRIPPS NEWSPAPERS, INCORPORATED, Seattle, Wash. Filed May 9, 1935. Serial No. 364,739.

American Wire

For News Dispatches.
Claims use since Jan. 1, 1935.

335,979. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) WEBB BELTING CO., Kansas City, Mo. Filed May 13, 1935. Serial No. 364,905.

STRETCH-LESS

For Leather Belting.
Claims use since Oct. 1, 1934.

TRADE-MARK REGISTRATIONS RENEWED

13,264. LAUNDRY OR FAMILY SOAP. Registered May 4, 1886. JAMES S. KIRK & Co., Chicago, Ill. Re-renewed May 4, 1936, to The Procter & Gamble Company, Cincinnati, Ohio, a corporation of Ohio, successor.

90,992. FRESH APPLES. Registered April 8, 1913. HOOD RIVER APPLE GROWERS' UNION. Renewed April 8, 1933, to Apple Growers Association, Hood River, Oreg., a corporation of Oregon, successor.

107,960. MATERIAL USED IN BUILDING ROADS, APPLIED BY MIXING OR BY PENETRATION. Registered January 4, 1916. MERLIN T. CALEF. Renewed January 4, 1936, to Philadelphia Quartz Company, Philadelphia, Pa., a corporation of Pennsylvania, assignee.

108,980. WINE. Registered March 14, 1916. THE CALIFORNIA WINE ASSOCIATION, San Francisco, Calif. Renewed March 14, 1936, to Fruit Industries, Ltd., Los Angeles, Calif., a corporation of California, assignee.

108,992. PROFILE-PAPER AND CROSS-SECTION PAPER. Registered March 14, 1916. EUGENE DIETZGEN CO. Renewed March 14, 1936, to Eugene Dietzgen Co., Chicago, Ill., a corporation of Delaware, successor.

109,010. RUBBER BOOTS AND RUBBER SHOES. Registered March 14, 1916. LAMBERTVILLE RUBBER CO. Renewed March 14, 1936, to Lambertville Rubber Company, Inc., Lambertville, N. J., a corporation of New Jersey, successor.

109,931. AN OINTMENT. Registered April 25, 1916. JAMES C. BRIGADELL. Renewed April 25, 1936, to Camphorole Inc., Atlantic City, N. J., a corporation of New Jersey, assignee.

110,014. MECHANICAL CHANGE-MAKER. Registered May 2, 1916. BRANDT CASHIER COMPANY, Chicago, Ill. Renewed May 2, 1936, to Brandt Automatic Cashier Company, Watertown, Wis., a corporation of Wisconsin, assignee.

110,016. CERTAIN NAMED CUTLERY AND TOOLS AND PARTS THEREOF. Registered May 2, 1916. CLARK-SMITH HDW. CO. Renewed May 2, 1936, to Isaac Walker Hardware Company, Peoria, Ill., a corporation of Illinois, assignee.

110,106. A PREPARATION FOR EXTERNAL USE FOR REMOVING SUPERFLUOUS HAIR FROM THE FACE AND BODY. Registered May 2, 1916. MARGARET RUPPERT, Philadelphia, Pa. Renewed May 2, 1936.

110,149. COFFEE. Registered May 2, 1916. SCHWABACHER BROS. & CO., INC., Seattle, Wash., a corporation of Washington. Renewed May 2, 1936.

110,455. HOT-WATER BOTTLES, FOUNTAIN-SYRINGES, AND COMBINATION SYRINGES. Registered May 23, 1916. THE DE PREE CHEMICAL COMPANY, Holland, Mich., and Chicago, Ill. Renewed May 23, 1936, to The De Pree Company, Holland, Mich., a corporation of Michigan, by change of name.

110,466. RYE BREAD. Registered May 23, 1916. KATIE KERNER. Renewed May 23, 1936, to Shub Bros., Baltimore, Md., a firm, successor.

110,517. GARTERS. Registered May 30, 1916. A. STEIN & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed May 30, 1936.

110,570. SURGICAL LIGATURES AND SUTURES. Registered May 30, 1916. DAVIS & GECK, INC. Renewed May 30, 1936, to Davis & Geck, Inc., Brooklyn, N. Y., a corporation of New York, assignee.

110,705. COAL. Registered June 6, 1916. UTAH FUEL COMPANY, Castle Gate and Salt Lake City, Utah. Renewed June 6, 1936, to Utah Fuel Company, Salt Lake City, Utah, a corporation of New Jersey.

111,119. TALKING-MACHINES AND PHONOGRAPHS. Registered June 27, 1916. R. D. CORTINA CO., INC., New York, N. Y., a corporation of New York. Renewed June 27, 1936.

111,194. DISK RECORDS FOR INSTRUCTION IN LANGUAGES. Registered July 4, 1916. R. D. CORTINA CO., INC., New York, N. Y., a corporation of New York. Renewed July 4, 1936.

111,435. VACUUM VESSELS—NAMELY, BOTTLES, CARAFES, JUGS, CROCKS, AND FLASKS. Registered July 11, 1916. VACUUM SPECIALTY COMPANY. Renewed July 11, 1936, to Manning, Bowman & Co., Meriden, Conn., a corporation of Delaware, assignee by mesne assignments.

111,530. A PREPARED FOOD FOR INFANTS. Registered July 25, 1916. JAMES S. ROBINSON. Renewed July 25, 1936, to Alice R. Robinson, doing business as James S. Robinson, Memphis, Tenn., successor.

111,531. GARTERS. Registered July 25, 1916. A. STEIN & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed July 25, 1936.

111,614. OILS USED FOR LUBRICATING PURPOSES. Registered July 25, 1916. ALFRED S. TINDELL, New Brunswick, N. J. Renewed July 25, 1936.

111,826. FIRE-EXTINGUISHING APPARATUS. Registered August 8, 1916. ROSCOE C. IDDINGS. Renewed August 8, 1936, to The Fyr-Fyter Company, Dayton, Ohio, a corporation of Ohio, assignee.

111,873. TURPENTINE SUBSTITUTE. Registered August 8, 1916. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed August 8, 1936.

111,874. RUST-PREVENTIVE, KEROSENE-OIL, PARAFFIN-WAX, AND CANDLES. Registered August 8, 1916. THE ATLANTIC REFINING COMPANY, Philadelphia, Pa., a corporation of Pennsylvania. Renewed August 8, 1936.

112,693. HAIR-TONICS AND POMADES. Registered September 19, 1916. ANTHONY OVERTON. Renewed September 19, 1936, to The Overton-Hygienic Mfg. Co., Chicago, Ill., a corporation of Illinois, assignee.

112,809. CABINET FOR BUSINESS-RECORDS. Registered September 26, 1916. LEO S. ROBINSON, San Francisco, Calif. Renewed September 26, 1936, to Findex Systems Incorporated, Milwaukee, Wis., a corporation of Wisconsin, assignee.

112,903. COFFEE. Registered October 3, 1916. T. P. JONES & Co., New York, N. Y., a corporation of New York. Renewed October 3, 1936.

113,025. PREPARED STOCK AND POULTRY FOODS. Registered October 10, 1916. DARLING & COMPANY, Chicago, Ill., a corporation of Illinois. Renewed October 10, 1936.

113,188. INK COMPOUNDS. Registered October 10, 1916. FRED A. PUTNAM, Boston, Mass. Renewed October 10, 1936, to Fred A. Putnam, Keene, N. H.

113,280. CERTAIN NAMED JEWELRY MADE WHOLLY, IN PART, OR PLATED WITH PRECIOUS METAL. Registered October 10, 1916. J. MILHENING, INC., Chicago, Ill., a corporation of Illinois. Renewed October 10, 1936.

113,318. CANNED CHILLI-CON-CARNE. Registered October 10, 1916. WALKER PROPERTIES ASSOCIATION. Renewed October 10, 1936, to Walker's Austex Chile Company, Austin, Tex., a corporation of Texas, assignee.

113,319. CERTAIN NAMED FOODS. Registered October 10, 1916. WALKER PROPERTIES ASSOCIATION. Renewed October 10, 1936, to Walker's Austex Chile Company, Austin, Tex., a corporation of Texas, assignee.

113,421. A NEWSPAPER-SECTION. Registered October 17, 1916. NEWSPAPER FEATURE SERVICE, INC. Renewed October 17, 1936, to King Features Syndicate, Inc., New York, N. Y., a corporation of New York, by merger.

113,458. FLY-KILLERS OR HAND DEVICES FOR KILLING FLIES AND OTHER INSECTS. Registered October 17, 1916. UNITED STATES WIRE MAT COMPANY. Renewed October 17, 1936, to United States Manufacturing Corporation, Decatur, Ill., a corporation of Illinois, by change of name.

LABELS

REGISTERED JUNE 16, 1936

47,534.—*Title:* BALLANTINE'S BOCK BEER. For Bock Beer. P. BALLANTINE & SONS, Newark, N. J. Published March 14, 1935.

47,535.—*Title:* BALLANTINE'S BOCK BEER. For Bock Beer. P. BALLANTINE & SONS, Newark, N. J. Published March 14, 1935.

47,536.—*Title:* BEECH-NUT CHEESE WAFERS. For Cheese Wafers. BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Published April 14, 1936.

47,537.—*Title:* CHESTERFIELD. For Ginger Ale. BONTON BEVERAGES, INCORPORATED, Chicago, Ill. Published October 14, 1935.

47,538.—*Title:* CUCKOO. For Fresh Citrus Fruits. EAGLE LAKE FRUIT GROWERS ASSOCIATION, Eagle Lake, Fla. Published March 1, 1936.

47,539.—*Title:* SETTLESIT BAG. For Preparation for Clarifying Black, Sooty Cistern Water. LELAND L. FRANK, doing business as The Settlesit Company, Decatur, Ind. Published February 10, 1936.

47,540.—*Title:* BELLE VOGUE. For Shoes. JOHN T. GROGAN, Beloit, Wis. Published March 2, 1935.

47,541.—*Title:* JOHNSON VANISHING CREME. For Vanishing Cream. GUST G. JOHNSON, doing business as The Bridal Shop, Youngstown, Ohio. Published March 31, 1936.

47,542.—*Title:* AMERICAN BEAUTY CREAMERY. For Butter. KOSCIUSKO CREAMERY, Kosciusko, Miss. Published April 10, 1936.

47,543.—*Title:* MOTH GAS-VAPORIZER. For Solid, Crystalline Product of Vaporized Material for Killing Moths. THE LEWY CHEMICAL CO., New York, N. Y. Published January 24, 1936.

47,544.—*Title:* HOLSUM RAISIN LOAF. For a Raisin Loaf. THE W. E. LONG CO., Chicago, Ill. Published March 27, 1936.

47,545.—*Title:* ICELAND BREEZE SKIN LOTION. For Skin Lotion. MASTER CHEMICAL COMPANY, Milwaukee, Wis. Published March 21, 1936.

47,546.—*Title:* INSEKTO SPRAY—A GARDEN INSECTICIDE. For a Garden Insecticide. MCCORMICK & Co., INC., Baltimore, Md. Published Feb. 27, 1936.

47,547.—*Title:* MONARCH. For Bock Beer. MONARCH BREWING COMPANY, Chicago, Ill. Published Feb. 27, 1936.

47,548.—*Title:* MONARCH. For Beer. MONARCH BREWING COMPANY, Chicago, Ill. Published October 14, 1935.

47,549.—*Title:* NEWERKING. For a Cleaning Fluid. NEWERKING CLEANING FLUID CO. INC., New York, N. Y. Published February 24, 1936.

47,550.—*Title:* PEACOCK'S. For a Preparation for the Hair and Scalp. W. S. PEACOCK, Ventura, Calif. Published April 2, 1936.

47,551.—*Title:* RATH'S CHILI CON CARNE WITH BEANS. For Chili Con Carne with Beans. THE RATH PACKING COMPANY, Waterloo, Iowa. Published April 1, 1936.

47,552.—*Title:* LEMON-KOKE. For a Soft Drink. REICHARD-MCCONNELL, Lafayette, Ind. Published March 11, 1936.

47,553.—*Title:* COFFEE. For Coffee. THOMAS M. ROYAL & Co., Philadelphia, Pa. Published February 13, 1936.

47,554.—*Title:* COFFEE. For Coffee. THOMAS M. ROYAL & Co., Philadelphia, Pa. Published March 5, 1936.

47,555.—*Title:* COFFEE. For Coffee. THOMAS M. ROYAL & Co., Philadelphia, Pa. Published March 5, 1936.

47,556.—*Title:* SANI-SAVE. For Bib Towels. SANI-SAVE INC., New York, N. Y. Published April 3, 1936.

47,557.—*Title:* "B" HAPPY. For Beer. SOUTHERN BREWERIES, INC., Norfolk, Va. Published March 13, 1936.

47,558.—*Title:* CHASE AND SANBORN DATED. For Coffee. STANDARD BRANDS INCORPORATED, New York, N. Y. Published April 20, 1936.

47,559.—*Title:* MORRISSEY. For Straight California Brandy. STERLING WINE & LIQUOR CORPORATION, St. Paul, Minn. Published March 20, 1936.

47,560.—*Title:* MINNESOTA CLUB BRAND SLOE GIN LIQUEUR FOR THE CREAMY TOP FIZZ OR RICKEY. For Sloe Gin Liqueur. STERLING WINE & LIQUOR CORPORATION, St. Paul, Minn. Published March 20, 1936.

47,561.—*Title:* MINNESOTA CLUB BRAND. For Apricot Liqueur with Brandy. STERLING WINE & LIQUOR CORPORATION, St. Paul, Minn. Published March 20, 1936.

47,562.—*Title:* AL-K-HALL. For Blended or Spirit Whiskey. STERLING WINE & LIQUOR CORPORATION, St. Paul, Minn. Published March 20, 1936.

47,563.—*Title:* GREEN MILL. For Straight Bourbon Whiskey. STERLING WINE & LIQUOR CORPORATION, St. Paul, Minn. Published March 20, 1936.

47,564.—*Title:* RUSH CREEK. For Straight Bourbon Whiskey. STERLING WINE & LIQUOR CORPORATION, St. Paul, Minn. Published March 20, 1936.

47,565.—*Title:* STERLING CREAMY TOP BRAND SLOE GIN. For Sloe Gin. STERLING WINE & LIQUOR CORPORATION, St. Paul, Minn. Published March 20, 1936.

47,566.—*Title:* CREAMY TOP BRAND. For Sloe Gin. STERLING WINE & LIQUOR CORPORATION, St. Paul, Minn. Published March 20, 1936.

47,567.—*Title:* FURNAS ICE CREAM NO. 446 A—B—P. For Ice Cream. SUTHERLAND PAPER COMPANY, Kalamazoo, Mich. Published April 22, 1936.

47,568.—*Title:* PIXIS. For Toilet Paper. TENNESSEE TISSUE MILLS, Nashville, Tenn. Published March 2, 1936.

47,569.—*Title:* SHIP-SHAPE. For Bathroom Paper. TENNESSEE TISSUE MILLS, Nashville, Tenn. Published March 2, 1936.

47,570.—*Title:* BIG BUSINESS. For a Game. THE TRANSOGRAM COMPANY, INC., Easton, Pa. Published March 9, 1936.

47,571.—*Title:* TREESWEET. For Canned Lemon Juice. TREESWEET PRODUCTS CO., Los Angeles, Calif. Published March 14, 1936.

47,572.—*Title:* VOGT'S DELICIOUS SLICED BACON. For Bacon. F. G. VOGT & SONS, INCORPORATED, Philadelphia, Pa. Published March 20, 1936.

47,573.—*Title:* MIRACLE HAIR RESTORER. For a Hair Restorer. MRS. N. C. WATT, Des Moines, Iowa. Published December 4, 1934.

LABELS RENEWED

14,500. COSMOS HAIR REMEDY FOR A REMEDY FOR BALDNESS. Registered November 17, 1908. NELLIE HICKS, Los Angeles, Calif. Renewed November 17, 1936.

PRINTS

REGISTERED JUNE 16, 1936

15,719.—*Title:* CREME OF MILK. For Facial Creme. DUART SALES COMPANY, LTD., San Francisco, Calif. Published February 15, 1936.

15,720.—*Title:* REMEMBER! KORJENA CONSTANTLY DISSOLVES FAT. For a Pharmaceutical Preparation in Tablet Form for the Reduction of Excessive Fat. JEROME J. GLADKE, doing business as Korjena Medicine Company, Elmira, N. Y. Published May 7, 1936.

15,721.—*Title:* WE CONTINUE TO PAY DOLLAR BILLS TO LEARN HOW YOU LIKE WRIGLEY'S GUM. For Chewing Gum. WM. WRIGLEY JR. COMPANY, Chicago, Ill. Published February 4, 1936.

15,722.—*Title:* BEGINNING TOMORROW DOLLAR BILLS WILL BE PAID TO LEARN HOW YOU LIKE WRIGLEY'S GUM. For Chewing Gum. WM. WRIGLEY JR. COMPANY, Chicago, Ill. Published January 22, 1936.

15,723.—*Title:* COMING HANDFULS OF DOLLAR BILLS FOR WRIGLEY GUM USERS. For Chewing Gum. WM. WRIGLEY JR. COMPANY, Chicago, Ill. Published January 20, 1936.

15,724.—*Title:* ONE MORE DAY THEN DOLLAR BILLS FOR WRIGLEY GUM USERS. For Chewing Gum. WM. WRIGLEY JR. COMPANY, Chicago, Ill. Published January 21, 1936.

15,725.—*Title:* ON THE WAY TO PAY DOLLAR BILLS TO WRIGLEY GUM USERS. For Chewing Gum. WM. WRIGLEY JR. COMPANY, Chicago, Ill. Published January 20, 1936.

15,726.—*Title:* STILL IN TOWN WITH DOLLAR BILLS TO PAY FOR OPINIONS OF WRIGLEY'S GUM. For Chewing Gum. WM. WRIGLEY JR. COMPANY, Chicago, Ill. Published February 12, 1936.

15,727.—*Title:* ALMOST HERE WITH HANDFULS OF DOLLAR BILLS FOR WRIGLEY GUM USERS. For Chewing Gum. WM. WRIGLEY JR. COMPANY, Chicago, Ill. Published January 21, 1936.

15,728.—*Title:* THEY CONTINUE TO PAY DOLLAR BILLS TO LEARN HOW YOU LIKE WRIGLEY'S GUM. For Chewing Gum. WM. WRIGLEY JR. COMPANY, Chicago, Ill. Published March 16, 1936.

15,729.—*Title:* STILL PAYING DOLLAR BILLS TO LEARN HOW YOU LIKE WRIGLEY'S GUM. For Chewing Gum. WM. WRIGLEY JR. COMPANY, Chicago, Ill. Published February 10, 1936.

15,730.—*Title:* DOLLAR BILLS STILL BEING PAID FOR OPINIONS OF WRIGLEY'S GUM. For Chewing Gum. WM. WRIGLEY JR. COMPANY, Chicago, Ill. Published February 19, 1936.

15,731.—*Title:* DOLLAR BILLS TO LEARN HOW YOU LIKE WRIGLEY'S GUM. For Chewing Gum. WM. WRIGLEY JR. COMPANY, Chicago, Ill. Published January 28, 1936.

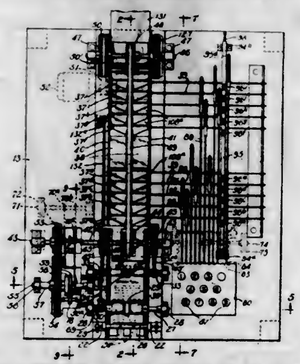
15,732.—*Title:* DOLLAR BILLS FOR WRIGLEY GUM USERS. For Chewing Gum. WM. WRIGLEY JR. COMPANY, Chicago, Ill. Published January 23, 1936.

15,733.—*Title:* GET YOUR WRIGLEY'S GUM HERE NOW. For Chewing Gum. WM. WRIGLEY JR. COMPANY, Chicago, Ill. Published January 28, 1936.

REISSUES

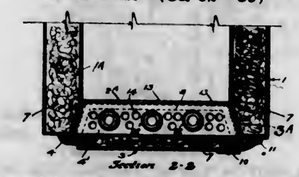
JUNE 16, 1936

20,003
SORTING MACHINE
Leon E. Barnes, Westfield, N. J.
Original No. 2,019,130, dated August 6, 1935, Serial No. 753,452, November 17, 1934. Application for reissue May 5, 1936, Serial No. 77,899
45 Claims. (Cl. 214—11)



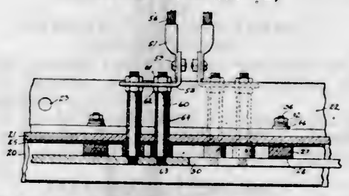
25. A sorting machine including a plurality of horizontal aligned manually operable switches over which a ticket is conveyed, a container at one end thereof to receive a stack of tickets with the topmost ticket in substantial alinement with the switches, a buckle type feeder at the top of said container adapted to periodically feed the topmost ticket to the switches, and a swinging gate forming a wall of said container normally closed to prevent reverse movement of the ticket during feeding.

20,004
DOOR CONSTRUCTION FOR REFRIGERATORS
Allen A. Canton, New York, N. Y., assignor, by mesne assignments, to The Crosley Radio Corporation, Cincinnati, Ohio, a corporation of Ohio
Original No. 2,021,696, dated November 12, 1935, Serial No. 640,871, November 2, 1932. Application for reissue April 24, 1936, Serial No. 76,295
18 Claims. (Cl. 62—89)



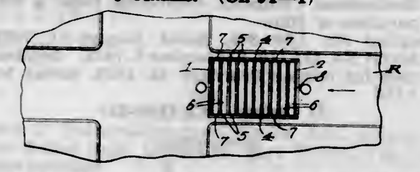
1. In a refrigerator of the class described comprising an insulated cabinet having an outer door and a cooling unit therein for setting up a circulation of air, the interior of said cabinet divided into two compartments, said cooling unit adapted to cool both of said compartments, a wall spaced from and extending substantially parallel to said outer door, separating both of said compartments and so constructed and arranged as to allow the air to circulate from one compartment into the other compartment, said wall being vertically hinged to swing out from said cabinet, and narrow shelves positioned between said wall and the outer door.

20,005
DUCT FOR CURRENT DISTRIBUTING SYSTEMS
Harrison J. L. Frank and William A. Harper, Detroit, Mich., assignors to Bulldog Electric Products Company, Detroit, Mich., a corporation of West Virginia
Original No. 1,819,885, dated August 18, 1931, Serial No. 471,381, July 28, 1930. Application for reissue July 29, 1933, Serial No. 682,874
21 Claims. (Cl. 247—3)



2. In a current distributing system, current distributing means comprising a duct substantially rectangular in cross section, the bottom of the duct having an elongated slot, bus bars on opposite sides of said slot and remote therefrom and asymmetrically disposed with respect thereto, the slot being wide enough to permit the insertion into the duct through said slot of a current collector trolley of the type that has an enlarged head provided with collector contacts on opposite sides thereof for engagement with the bus bars between which is the slot and that has a depending portion riding in the slot, improper insertion of a current collector through the slot being prevented by the asymmetrical disposition of the slot with respect to the bus bars.

20,006
TRAFFIC CONTROL DEVICE
Lyle A. Gilman, Sedan, Kans.
Original No. 1,960,376, dated May 29, 1934, Serial No. 641,077, November 3, 1932. Application for reissue August 15, 1935, Serial No. 36,437
6 Claims. (Cl. 94—1)



4. A traffic control device including an open top structure adapted to be embedded substantially flush with the surface of a road, a plurality of transverse pivotally supported slats in the structure, a connection between the slats operated by pressure in one direction against one of the slats for swinging all of the slats in the same direction into a common plane to substantially close the open top of the structure, means for swinging all of the slats into parallel upwardly inclined positions when not subjected to said pressure, and means cooperating with said connection for pre-

venting the upwardly inclined slats from swinging to closed position when subjected to pressure in the opposite direction.

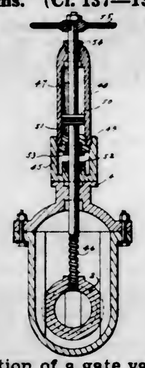
20,007

ATTACHMENT FOR OPERATING GATE VALVES BY MEANS OF FLUID PRESSURE FROM ANY DESIRED DISTANCE

Carlos Hall, Jr., Mexico, D. F., Mexico, assignor of one-half to Harry Hadfield Hallatt, Mexico, D. F., Mexico

Original No. 1,977,554, dated October 16, 1934, Serial No. 624,127, July 22, 1932, and in Mexico June 23, 1932. Application for reissue March 24, 1936, Serial No. 70,706

4 Claims. (Cl. 137—139)



1. The combination of a gate valve of the type including a body, a gate and a bonnet, a fluid actuated piston detachably connected with the bonnet and including a stem, means for adjustably connecting the stem and the gate, a manually operable handle means associated with the stem, and means for admitting fluid under pressure above and below the piston for operating the gate from a fully closed to a fully opened position or from a fully closed to an intermediate position depending on the adjustable relation between the stem and gate.

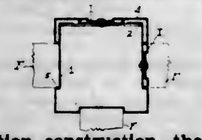
20,008

WALL STRUCTURE

Earl F. Hauserman, Cleveland Heights, Leroy D. Mowery, Cleveland, and John A. Bohnsack, Cleveland Heights, Ohio, assignors to The E. F. Hauserman Company, Cleveland, Ohio, a corporation of Ohio

Original No. 1,681,805, dated August 21, 1928, Serial No. 134,110, September 7, 1926. Application for reissue February 18, 1935, Serial No. 7,153

18 Claims. (Cl. 189—34)



1. In partition construction, the combination of an upright post member of generally rectangular channel section as a three-sided hollow sheet metal member presenting a longitudinal opening on its fourth side, and a panel-abutting face plate engageable against said post member independently of whether the panel is in position to cover such opening.

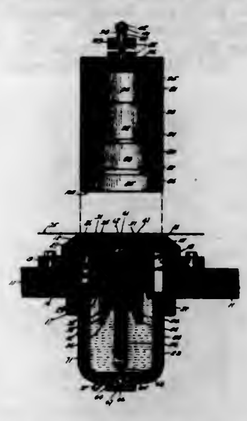
20,009

ART OF DRAWING

John M. Hothersall, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Original No. 1,967,245, dated July 24, 1934, Serial No. 517,244, February 20, 1931. Application for reissue April 13, 1936, Serial No. 74,393

28 Claims. (Cl. 113—46)



1. The art of drawing metal, which comprises drawing sheet material over a plurality of nested anvil elements while holding its outer edges in a succession of slip grips having their clamping pressures hydraulically transmitted by drawing resistance on said anvils and pulling the innermost anvil elements in a direction opposite to said pressures.

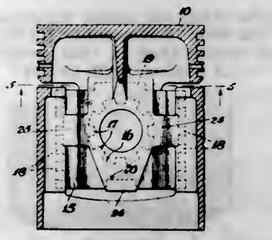
20,010

PISTON

Adolph L. Nelson, Detroit, Mich., assignor to Bohn Aluminum & Brass Corporation, Detroit, Mich.

Original No. 1,771,859, dated July 29, 1930, Serial No. 299,719, August 15, 1928. Application for reissue July 26, 1932, Serial No. 624,880

11 Claims. (Cl. 309—13)



1. A piston comprising a head, piers depending from the head, piston pin bosses carried by the piers, cylinder-bearing portions on opposite sides of the piston, a pair of struts extending between the cylinder-bearing portions, each strut extending across the piston both above and below the piston pin bosses, the lower edge of each strut being formed with a recess, a continuous band of the material of the pier surrounding the intermediate portion of each strut and passing through the recess.

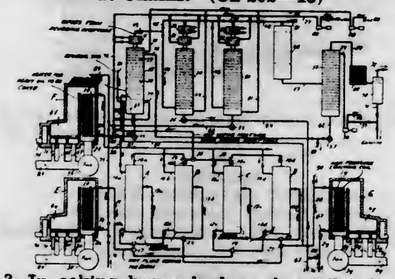
20,011

ART OF CRACKING AND COKING HYDROCARBON OILS

Harry L. Peiser, Houston, Tex., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine

Original No. 1,937,163, dated November 28, 1933, Serial No. 355,780, April 17, 1929. Application for reissue May 19, 1934, Serial No. 726,617

17 Claims. (Cl. 202—15)



3. In coking heavy hydrocarbon oils, the improvement which comprises heating a fluid coking medium to a temperature upwards of 900° F. in a heating zone by supplying heat from an extraneous source and releasing the thus heated coking medium within a coking receptacle, heating a heavy oil stock to be coked to a temperature upwards of about 750° F. in a separate heating zone by supplying heat from an extraneous source and introducing the thus preheated stock into the coking receptacle at a rate at least as great as that at which the fluid coking medium is supplied to the said heating zone, and reducing the said heavy oil stock to coke in the coking receptacle.

20,012

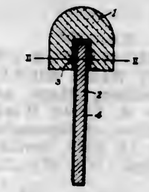
ROTARY BONDED ABRASIVE ARTICLES

Arthur H. Prey, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Pennsylvania

Original No. 2,015,727, dated October 1, 1935, Serial No. 700,409, December 1, 1933. Application for reissue January 24, 1936, Serial No. 60,708. In Canada September 26, 1932

7 Claims. (Cl. 51—206)

1. An abrasive article comprising a bonded abrasive article joined to a metallic spindle by a cement of the oxyphosphate type, said metallic spindle being coated with a previously applied metal film of the group consisting of copper, cadmium, nickel on copper, silver, gold and chromium where it comes in contact with the cement.
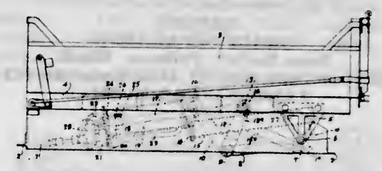


20,013

HYDRAULIC HOIST LEVER CONSTRUCTION

Ralph E. Smith, Galion, Ohio, assignor to The Galion Metallic Vault Company, Galion, Ohio, a corporation of Ohio

Original No. 1,973,668, dated September 11, 1934, Serial No. 567,915, October 9, 1931. Application for reissue February 27, 1936, Serial No. 66,083

13 Claims. (Cl. 298—22)



1. In a hoist, in combination with a supporting member and an object to be hoisted, a system of links attached to the supporting member and to the object to be hoisted, a trackway on the supporting member, and means to operate the links to elevate said object, said means including a cylinder, a piston and piston rod, and rollers on the piston rod engaging the trackway and guided thereby.

PLANT PATENTS

GRANTED JUNE 16, 1936

183

ROSE

Robert H. Kistler, Houston, Tex.

Application August 21, 1935, Serial No. 37,231

1 Claim. (Cl. 47—61)

The new and distinct variety of rose plant of the hybrid tea rose class, as described, characterized by the petals being of a deep rose base color with dots and splashes of white, as shown.

184

POMEGRANATE

Erich C. Trauernicht, Fort Worth, Tex., assignor to Baker Bros. Company, Fort Worth, Tex., a corporation

Application January 29, 1936, Serial No. 61,390

1 Claim. (Cl. 47—62)

A new and distinct variety of dwarf-acid pomegranate plant, substantially as shown and described, characterized by its unusually tall and vigorous growing habit, the largeness of its fruit and the vari-colored effect produced during the ripening period of said fruit.

PATENTS

GRANTED JUNE 16, 1936

2,043,977

EXERCISING DEVICE FOR USE IN CONNECTION WITH BICYCLES

Leonard Back, Fitchburg, Mass., assignor to Iver Johnson's Arms & Cycle Works, Fitchburg, Mass., a corporation of Massachusetts

Application July 17, 1933, Serial No. 680,777
5 Claims. (Cl. 272—73)



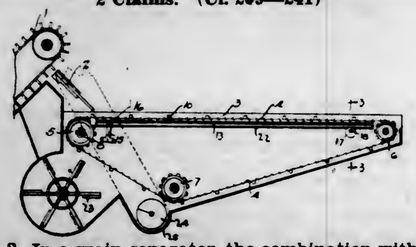
1. The combination with a bicycle having a frame, a rear axle secured to said frame, a wheel journaled on said axle, and nuts on the opposite ends of said axle having annular grooves therein, of a supporting frame having notches therein for engagement with the annular grooves in said nuts for supporting the bicycle with its rear wheel spaced from the surface on which said supporting frame and bicycle rest.

2,043,978

GRAIN SEPARATOR

Jesse Barber, Pullman, Wash.

Application September 12, 1934, Serial No. 743,666
2 Claims. (Cl. 209—241)



2. In a grain separator, the combination with a housing and an endless conveyer mounted in the housing, of a grain-separating screen adapted to support chaff and located directly under the working flight of the conveyer in the housing, means on the upper face of the screen for guiding the movement of the chaff along longitudinally-extending channels to prevent lateral mass-shifting of the chaff, said screen extending substantially the full length of said working flight and a pivotal support for one end of the screen, means for oscillating the free portion of the screen for intermittent contact of the latter with the under portion of the conveyer, and means for directing flow of air currents upwardly through the screen and conveyer.

2,043,979

WELL CLEANING DEVICE

James T. Barkelew, Pasadena, and Harold E. Scantlebury, Altadena, Calif., assignors to John Grant, Los Angeles, Calif.

Application February 9, 1935, Serial No. 5,774
24 Claims. (Cl. 166—19)

1. In a well-cleaning device, a body having a low-pressure chamber and an inlet therefor, a seat member and a closure member cooperating to control fluid-flow through the inlet, both said members being movable upwardly with respect



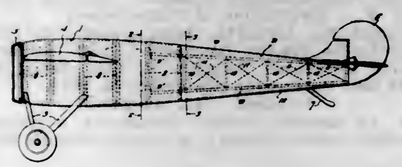
to said body, and being individually movable vertically with respect to each other to open the inlet.

2,043,980

FUSELAGE CONSTRUCTION

Giuseppe M. Bellanca, New Castle, Del.

Application April 11, 1933, Serial No. 665,585
1 Claim. (Cl. 244—30)



An airplane fuselage comprising a forward monocoque section including a plurality of respectively joined cylindrical sections of metal and a tail section comprising a plurality of metal longéron members extending the length of the truss section and projecting exteriorly of said truss section and being adapted to be attached to a plurality of the metal sections.

2,043,981

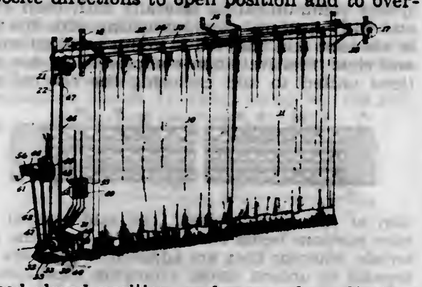
CURTAIN CONTROL MECHANISM

Travis W. Bickel, Alva, Okla.

Application December 11, 1934, Serial No. 757,016
3 Claims. (Cl. 156—46)

1. A mechanism for opening and closing theater curtains, comprising means for slidably supporting the curtains to overlap in closed position, a shaft, a motor operated transmission for driving the shaft, friction means permitting slippage in the transmission, means driven by the shaft and connected with the curtains for sliding them in

opposite directions to open position and to over-



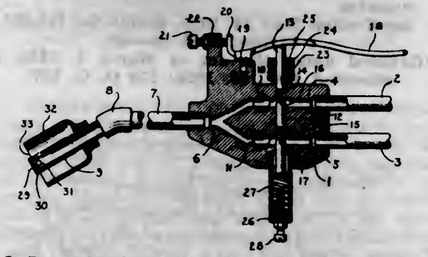
lapped closed position, and means for adjusting the friction means.

2,043,982

VALVE FOR GAS TORCHES

Beecher Brumeau, Detroit, Mich.

Application September 2, 1935, Serial No. 38,969
3 Claims. (Cl. 251—76)



3. In a torch of the character described, a valve body having two inlet apertures and one outlet aperture and having a bore extending through the valve body transversely of and communicating with the inlet apertures, a valve pin slidable within the bore, said valve pin having a relatively large and a relatively small circumferential recess adaptable for communicating with each of the inlet apertures, means for normally positioning the valve pin to maintain the small recesses in the paths of the inlet apertures, and manual means for moving the valve pin to position the large recesses in the paths of the inlet apertures, said recesses being located on the valve pin in a position to maintain at all times a passageway for the inlet apertures at least as large as provided by the small recesses.

2,043,983

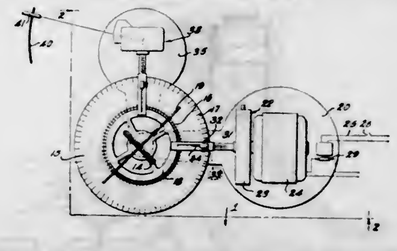
APPARATUS FOR DETERMINING AMPLITUDE OF SOUND

William F. Alder, Altadena, Calif., assignor, by mesne assignments, to Jenness A. Alder, Altadena, Calif.

Application October 22, 1931, Serial No. 570,486
8 Claims. (Cl. 73—51)

1. In a device as described, a stand having a holder for material to be tested, a first arm connected to the stand and having a sound producer thereon with means to direct sound toward the holder, a second arm connected to the stand and having a sound amplitude indicating device mounted thereon, said device having a sound receiver, said arms being adapted to rotate in a horizontal plane, and means to indicate the relative angle of the sound directing means and the sound receiving means relative to the holder.

4. A rectifying valve with a closed chamber structure and having an inside surface with an inlet opening, a thin membrane secured and positioned to contact said surface and close said opening, said membrane having the characteristics of moving inwardly during the compression or condensation phases of a rhythmic or non-rhythmic vibration in a fluid medium, and
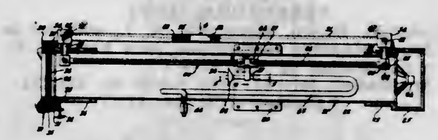


successively admitting portions of the fluid medium to the chamber, and forming a closure for said opening during the decompression or rarefaction phases of the vibration and a releasing means on the said membrane engaging the said inside surface to equalize the pressure on its opposite sides when not subject to vibrations.

2,043,984

PORTABLE CLOSED CHAMBER DETERMINATION OF SOUND ABSORPTION

William F. Alder, Altadena, Calif., assignor, by mesne assignments, to Jenness A. Alder, Altadena, Calif.

Application July 20, 1932, Serial No. 623,570
10 Claims. (Cl. 73—51)



1. A device for determining sound characteristics comprising a closed chamber, means to develop a sound at one portion of the chamber, means including a valve responsive to sound waves movable in the chamber to accumulatively build up a pressure, and a sound amplitude meter connected thereto.

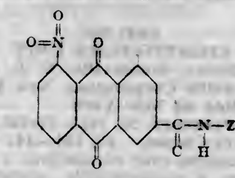
2,043,985

1-NITRO-ANTHRAQUINONYL-6-AMINO COMPOUNDS AND THEIR PRODUCTION

Earl Edson Beard, Milwaukee, Wis., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

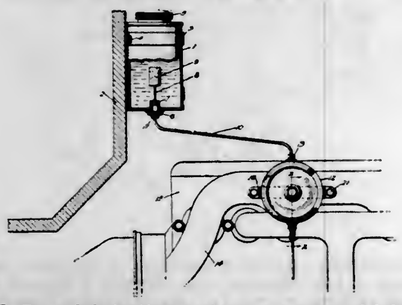
No Drawing. Application May 18, 1935, Serial No. 22,176
11 Claims. (Cl. 260—27)

2. The compound having the formula:



Z representing a heterocyclic radical.

2,043,986
APPARATUS FOR LUBRICATING
William D. Bell, Columbus, Ohio, assignor, by mesne assignments, to Auto Research Corporation, a corporation of Delaware
Application November 7, 1927, Serial No. 231,495
14 Claims. (Cl. 184—7)



2. In a lubricating system, a source of lubricant supply, a chamber connected to said source of lubricant supply, a lubricant delivery conduit connected to said chamber, and means for causing lubricant to be forced into said conduit by expansion of the lubricant in said chamber in response to increased temperature and to be drawn into said chamber from said source of supply in response to decreased temperature, said means being such that the pressure in said chamber is automatically relieved upon depletion of the lubricant in said source of supply to a predetermined extent.

2,043,987
STRUCTURAL UNIT
George B. Brown, Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application July 21, 1932, Serial No. 623,731
6 Claims. (Cl. 154—44)



1. A sound absorbing unit comprising in combination a composite of a plurality of spaced sheets provided each with a multiplicity of openings, a facing element of irregular surface, and apertured areas in the facing element extending approximately transversely to the general plane thereof, the openings in the said sheets and in the apertured areas in the facing element being closely spaced, whereby they are adapted to admit incident sound.

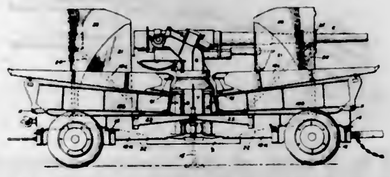
2,043,988
LIGHTWEIGHT UNIT
George B. Brown, Somerville, N. J., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application February 28, 1933, Serial No. 658,937
11 Claims. (Cl. 154—44)

1. An acoustical unit comprising a sound-permeable face, a compressible, sound-absorbing central portion, provided with sound-absorbing spaces communicating laterally with each other and with openings communicating with the face of the unit and adapted to admit incident sound, and rigid, relatively non-compressible, edge portions united to and enclosing the central por-



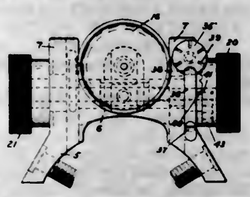
tion at the edges thereof, the said central and edge portions being constructed of the same materials, whereby they are adapted to contract and expand in unison under changing conditions of atmospheric humidity.

2,043,989
MOUNT FOR ANTIAIRCRAFT GUNS
Thomas A. Conlon, Silver Spring, Md., and George W. Beatty, Decatur, Ill., assignors to The Secretary of War of the United States of America
Application May 24, 1927, Serial No. 193,882
2 Claims. (Cl. 89—40)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



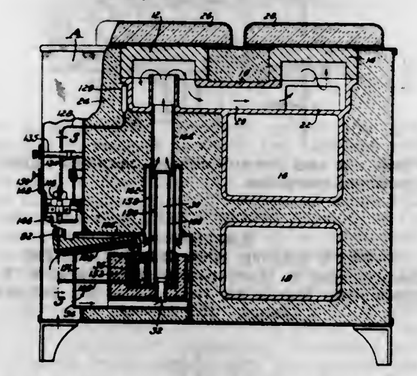
1. In a gun mount, a pedestal, a set of individually foldable outriggers hinged equi-distantly about the pedestal, said outriggers when folded in pairs arranged to constitute the frame of a vehicle, a mobile unit for supporting each pair of outriggers, jacks carried by the pedestal, supports projecting from the pedestal and a sectional foldable platform carried by said supports.

2,043,990
GUN SIGHT
Richard C. Coupland, United States Army, Norfolk, Va.
Application November 26, 1934, Serial No. 754,807
5 Claims. (Cl. 33—56)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. A gun sight comprising a frame, a vertically movable slide in the frame, a thumb wheel mounted in the frame for axially yielding movement and having a driving connection with the slide, a ring gear loose on the thumb wheel, means carried by the frame for driving and locking the ring gear, and a yieldingly disconnectible driving connection from the ring gear to the thumb wheel.

2,043,991
LIQUID FUEL COMBUSTION APPARATUS
Gustaf Dalén and Gustaf Erik Björklund, Lidingo, Sweden, assignors to Svenska Aktiebolaget Gasaccumulator, Stockholm, Sweden, a corporation of Sweden
Application March 21, 1934, Serial No. 716,555
In Sweden December 13, 1933
7 Claims. (Cl. 158—5)



1. Apparatus of the character described comprising a device adapted to be maintained at elevated temperature due to the heat of gases of combustion, a burner adapted to burn a gaseous fuel mixture for supplying heat to said device, a vaporizer adapted to vaporize liquid fuel for combustion in the burner, a supply conduit for supplying liquid fuel to the vaporizer, a control valve in said conduit having a movable valve member, a curved tube expansible upon increase in the temperature of said device, a spring element fixed to the free end of said tube said movable valve member being mounted on said spring element to move toward closed position upon expansion of said tube, and an overflow vessel for receiving unvaporized liquid fuel from the vaporizer suspended from said spring element to close said valve in the event of fluid fuel overflow.

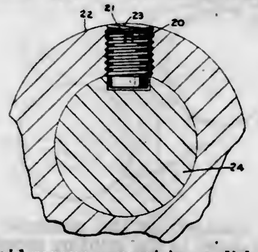
2,043,992
PETROLEUM OXIDATION PRODUCTS AND THEIR UTILIZATION
Carleton Ellis, Montclair, N. J., assignor to Ellis-Foster Company, a corporation of New Jersey
No Drawing. Application January 29, 1925, Serial No. 5,634
24 Claims. (Cl. 260—2)

1. The resinification process which comprises reacting on the phenoloids of oxidized petroleum with the complex, mixed aldehydes of oxidized petroleum.

5. The resinification process which comprises subjecting reactive oxygenated petroleum resin to the action of aldehydes from oxidized petroleum.

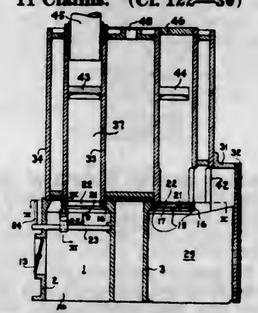
2,043,993
HOLDING MEANS FOR LOCKING ELEMENTS
Ralph Erling, Cranford, N. J.
Application September 13, 1934, Serial No. 743,867
31 Claims. (Cl. 151—32)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In combination, a pair of elements intended to be held against relative movement one to the other wherein one of the elements has an aperture, at least partially threaded at its outer end, extending therethrough to the surface of the other element, an unthreaded male member, the top of the male member being below the outer end of the aperture but not below the bottom of the threaded portion, and means holding said male member against loss from said apertured



member, said means comprising a disk-like member slightly less in diameter than the major diameter of the threaded portion of the aperture, at least one non-circular edge in the outer periphery of the disk-like member, the thickness of the said disk-like member being less than the pitch of the threads.

2,043,994
HEAT GENERATOR
Robert A. Foresman, Prospect Park, Pa.
Application February 24, 1933, Serial No. 658,334
Renewed July 2, 1935
11 Claims. (Cl. 122—30)

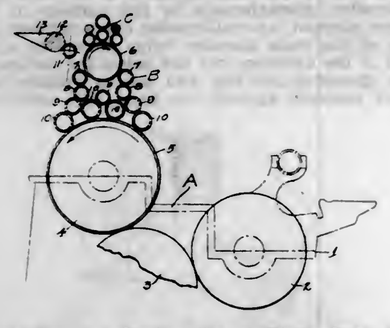


7. In combustion apparatus, the combination of a rotatable annular grate, a boiler structure arranged above the grate, means forming a part of the heating surface of the boiler structure and spaced above the grate to provide a fuel outlet and means for admitting fuel to the inlet side of the outlet, whereby, as the grate is rotated, the fuel on the grate is leveled by said means and the depth of the fuel bed maintained substantially constant.

2,043,995
METHOD OF AND MEANS FOR DAMPENING PRINTING SURFACES OF PLANOGRAPHIC AND ANALOGOUS PRESSES
John G. Goedike, San Antonio, Tex.
Application September 12, 1932, Serial No. 632,734
14 Claims. (Cl. 101—130)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

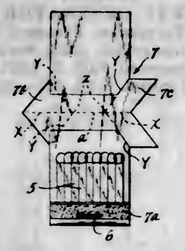
1. In a printing press, the combination of a printing member, inking mechanism including an ink distributing drum, means associated with said drum for controlling the temperature of its sur-

face in order to condense moisture thereon and



means for transferring the moisture from the distributing drum to the printing member.

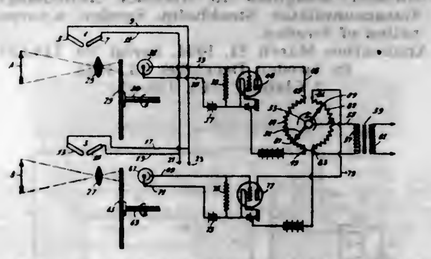
2,043,996
ADVERTISING NOVELTY
Meyer Gold, Minneapolis, Minn., assignor to The Animated Match Company, Minneapolis, Minn., a corporation of Illinois
Application September 20, 1935, Serial No. 41,398
2 Claims. (Cl. 40—126)



1. In a match packet, a strip of individually detachable matches having their heads compactly arranged in flat form, a cover secured at one of its transverse edges to the bottom of said strip and folded about said strip along a transverse line located at its medial portion, said cover having wing portions disposed adjacent said line and extensible from the longitudinal edge thereof, said wing portions being folded inwardly along a line coinciding with said transverse fold line and along lines radiating from points on said line located substantially inwardly of the longitudinal edges of the cover whereby when said cover is opened said wing portions will be swung outwardly and when said cover is closed said wing portions will be swung inwardly and concealed by said cover.

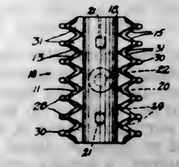
2,043,997
TELEVISION SYSTEM
Alfred N. Goldsmith, New York, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application August 14, 1930, Serial No. 475,188
9 Claims. (Cl. 178—6)

1. In a system for transmitting images, the method of changing the transmission from one image representation to a different image representation which includes the steps of projecting a plurality of light images upon scanning devices, dividing the images into a plurality of independent elemental areas to cause the production of image signals representative of each, and decreasing the intensity of one signal while increasing the intensity of the other signal during the period of transition to cause the prior image



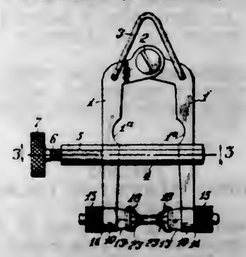
to fade-out and the subsequent image to fade-in at points of reception.

2,043,998
SAFETY RAZOR AND RAZOR BLADE
Demosthenes B. Hadjopoulos, New York, N. Y.
Application March 28, 1933, Serial No. 663,114
3 Claims. (Cl. 30—48)



1. A razor including a blade having a serrated edge providing a series of angular teeth lying substantially in a plane and disposed alongside of each other, the opposite edges of each of said teeth being sharpened, and holding means for the blade including a cap and a guard disposed on opposite sides thereof, said cap having projections individually overlying the blade teeth and spaced inward from the cutting edges thereof, said guard having fingers underlying the blade teeth in alinement with the points thereof and extending therebeyond, and the portion of the cap adjacent to said teeth being relatively low and flat to cause the cutting edges of said teeth to closely approach a surface to be shaved.

2,043,999
DENTAL MATRIX HOLDER
William E. Harper, Chicago, Ill.
Application October 26, 1934, Serial No. 750,107
9 Claims. (Cl. 32—63)



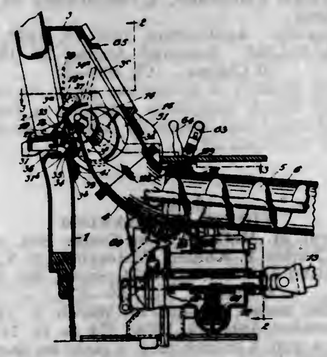
1. A dental matrix holder comprising a pair of arms pivotally joined together to present a pair of free ends, resilient jaws secured to the free ends of the arms, and a supplemental wedge member movably positioned within each of said jaws.

2,044,000
MECHANICAL VIBRATING SYSTEM
Raymond A. Heising, Summit, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 27, 1935, Serial No. 13,370
10 Claims. (Cl. 171—327)



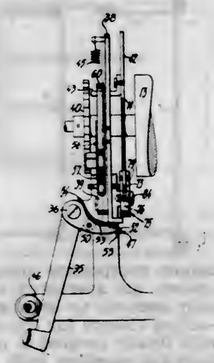
9. A mechanical vibratory system like that specified in claim 3 in which the adjacent ends of the vibratory element portions are screw threaded to constitute the constraining means and the coupling means is a nut or turnbuckle element threadedly engaged with the ends of the vibratory element and turned up so as to compressively engage the crystal device therebetween, a certain consecutive number of threads on the vibratory element portions next adjacent to the crystal device being relatively deformed so that no initial pressure is exerted thereon by the nut when in compression adjustment, whereby a predetermined length and mass of the nut material may be caused to exist between the areas of application of the pressure to correspondingly permit an optimum degree of expansion of the crystal device and hence a maximum amplitude of vibration can be imparted thereby to the mechanical vibratory element.

2,044,001
STOKER
William Thompson Hanna, Cincinnati, Ohio
Application June 18, 1928, Serial No. 286,222
Renewed November 17, 1934
32 Claims. (Cl. 110—101)



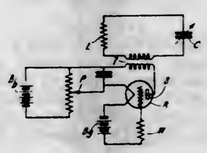
22. In a stoker mechanism, the combination with a fire box having a fuel entrance, of a conduit provided with means for moving fuel from a fuel supply to said entrance, means for distributing fuel fed to said entrance upon and over the fire, and fuel conditioning and regulating means interposed between said fuel moving means and said distributing means for undermining the bulk of fuel advancing through said conduit before it reaches said entrance and feeding the same through said entrance to said distributing means in a regulated undulating stream, relatively thin as compared with the bulk of fuel in the conduit.

2,044,002
TYPEWRITING MACHINE
William F. Helmond, West Hartford, Conn., assignor to Underwood Elliott Fisher Company, New York, N. Y., a corporation of Delaware
Application January 23, 1935, Serial No. 3,037
7 Claims. (Cl. 197—114)



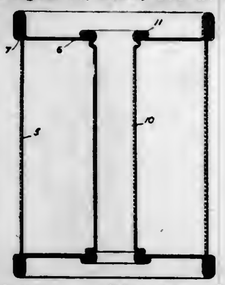
1. In typewriter-carriage mechanism arranged for quiet operation, said carriage-mechanism including a revoluble platen, and line-spacing devices, the combination with a reciprocatory line-space-ratchet-pawl carrier, and a line-space operating lever having an arm presenting a nose substantially against a companion face of said pawl-carrier for driving the latter, of an element arranged to work resiliently between said line-space-lever-nose and the contiguous pawl-carrier face to prevent rattle-producing play therebetween, and to cushion the reactions occurring between said nose and pawl-carrier at the line-spacing operation.

2,044,003
ELECTRON DISCHARGE DEVICE CIRCUIT
Hans Erich Hollmann, Berlin, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application March 8, 1934, Serial No. 714,652
In Germany March 8, 1933
2 Claims. (Cl. 250—27)



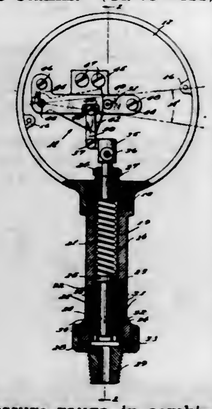
1. A receiver circuit having, in combination, an electron discharge device having a grid, anode and cathode, means for maintaining said grid at a high positive potential and said anode at a relatively lower potential with respect to said cathode, an output circuit connected between said grid and cathode, an input circuit, a path between said anode and cathode, and means for coupling said path to a current anti-node of said input circuit whereby the device is in current coupling relationship with the input circuit, said means comprising a transformer for matching the internal input resistance of the device to the resistance of the input circuit.

2,044,004
CONTAINER
Gregory J. Kessenich, Madison, Wis.
Application September 7, 1933, Serial No. 688,482
3 Claims. (Cl. 220—44)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



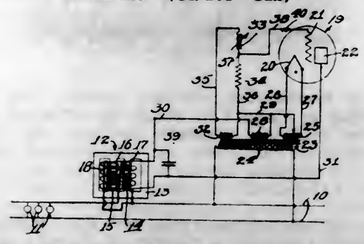
1. A container comprising spaced walls, one within the other, an apertured closure at one end marginally secured to both walls, an apertured valve-acting closure for the other end having one margin finally secured to only one of the walls, the marginal meeting ends of the closure and the other wall being spaced and in temporary unsealed relation to provide a vent, a sealing material on one of said meeting ends whereby a temporary joint is established when the meeting ends are brought together on movement of the closure.

2,044,005
HIGH PRESSURE GAUGE
Maximilian Klein and Reidar Anker Tollefsen, Sellersville, Pa., assignors to United States Gauge Company, New York, N. Y., a corporation of Pennsylvania
Application August 21, 1930, Serial No. 476,906
8 Claims. (Cl. 73—111)



1. In a pressure gauge, in combination, a casing; pressure indicating means including a movable pointer; a movement within said casing for actuating said pointer; and a pressure-responsive device for operating said movement, said device comprising a housing and a plunger reciprocable therein, means interconnecting said plunger and said movement, and means for connecting said housing with a fluid source to expose one end of said plunger to fluid pressure, and means for preventing fluid from leaking axially of said plunger, said means comprising at least one packing device consisting of a metallic ring and a non-metallic disc arranged within said housing in superposed relation and closely surrounding said plunger to form a substantially smooth continuous packing bore.

2,044,006
CONTROL SYSTEM
Albert R. Locke, Oak Park, Ill.
Application May 14, 1932, Serial No. 611,337
9 Claims. (Cl. 175—312)



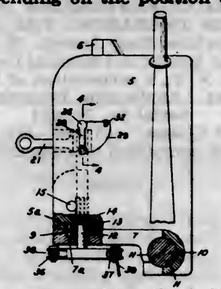
1. In combination, alternating current supply lines, a reactor, a load circuit for connection to said lines in series with said reactor, an electronic tube having electrodes in circuit connection with said reactor to vary the impedance of said reactor, means to impress alternating potentials on electrodes of said tube, and means to vary the phase relation of the potentials applied to said electrodes relative to each other to thereby vary the impedance of said reactor.

2,044,007
RESINOUS PRODUCTS FROM CHLORINATED OXIDIZED FATTY OILS
James Scott Long, Coopersburg, and George Loyal Ball, Jr., Bethlehem, Pa.; said Ball assignor of one-third to Archer-Daniels-Midland Company, a corporation of Delaware, and one-sixth to Lehigh University, a corporation of Pennsylvania
No Drawing. Application July 17, 1931, Serial No. 551,580. Renewed August 28, 1935
10 Claims. (Cl. 260—2)

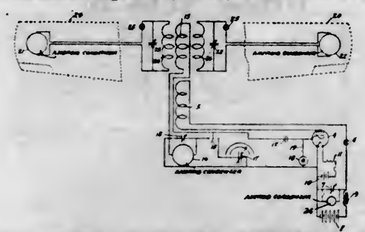
1. The process of preparing fatty oil reaction products which comprises oxidizing a fatty oil, chlorinating it and thereafter heating the oil until chlorine is driven off.

2,044,008
FIRING MECHANISM
George M. McCann, New Castle, Del., and Charles T. Kohler, Watervliet, N. Y.
Application October 18, 1934, Serial No. 748,866
8 Claims. (Cl. 89—27)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a gun, a breech ring, a plate on the under side of the ring, a key retaining the plate in place on the breech ring, a shaft inserted in the breech ring through the plate and held against axial displacement by the key, a trigger arm on the lower end of the shaft, a pinion on the shaft, a rack mounted in the breech ring and meshing with the pinion, a spring normally urging the rack in one direction, a hammer fixed to the upper end of the shaft and having a hub with intersecting grooves on its upper face, a bolt mounted in the breech ring above the hub of the hammer and held against axial displacement by the shaft, said bolt clearing the hammer in one position of adjustment and in another position selectively receivable in the grooves of the hammer depending on the position of the hammer, and means for locking the bolt against rotation.



2,044,009
AIR NAVIGATION APPARATUS
James Anthony McNally, United States Navy
Application November 3, 1931, Serial No. 572,817
11 Claims. (Cl. 177—351)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



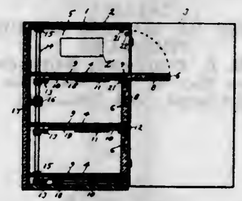
5. In an instrument for navigating an airplane, an oscillating circuit including an aneroid condenser substantially on the longitudinal center line of the plane, and a pair of symmetrically disposed absorption circuits in the wings of the plane, each of said absorption circuits comprising an inductance coupled with the oscillating circuit, a variable condenser in parallel therewith, an aneroid condenser substantially in the tip of the wing connected to the said variable condenser and inductance, and a meter connected between said aneroid condenser and the other elements of the absorption circuit.

2,044,010
INSECTICIDE
Lindley E. Mills, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application July 17, 1934, Serial No. 735,713
7 Claims. (Cl. 167—28)

1. A composition of matter comprising a petroleum fraction having a sulphonation value above 50, an emulsifying agent, water, and a compound selected from the group consisting of the chlorinated derivatives of diphenyl and diphenyl-oxide.

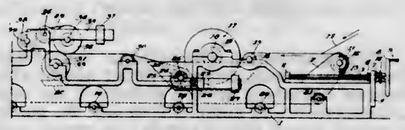
2,044,011
REFRIGERATOR
Joseph A. Nones, New York, N. Y.
Application March 12, 1934, Serial No. 715,067
4 Claims. (Cl. 62—48)

2. In a refrigerator, the combination with a cabinet, of a plurality of shelves in said cabinet forming separate chambers, said shelves being provided with apertures for admitting cold air into said chambers, closing members for said apertures slidably fitted under said shelves, doors in front of said chambers hingedly connected with the front edges of said shelves, means to retain



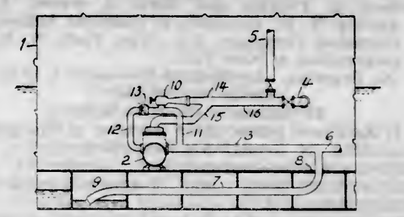
said doors in horizontal position when they are opened, means to close said apertures by said apertures by said closing members, said closing means being adapted to be operated by said door retaining means, and means to open said apertures when said doors are closed.

2,044,012
MULTIPLE IMPREGNATING DEVICE FOR PAPER MANUFACTURE
Izador J. Novak, Bridgeport, Conn., assignor to Raybestos-Manhattan, Inc., Bridgeport, Conn., a corporation of New Jersey
Application March 5, 1934, Serial No. 714,118
7 Claims. (Cl. 92—40)



1. The combination with means for forming a wet felted fibrous web, of means for impregnating said wet web with a permeating liquid comprising a plurality of individual impregnating units, each unit comprising an impregnating device and a squeezing device, and flexible foraminated means associated with said units for positively supporting and conveying the wet fibrous web through said units in seriatim.

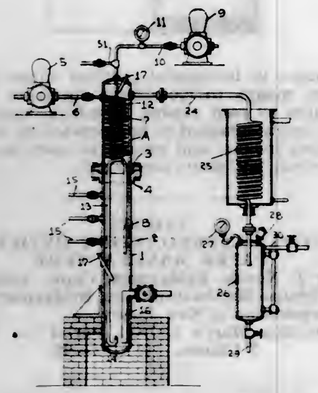
2,044,013
OIL PUMPING APPARATUS
Bengt Olsson, Brooklyn, N. Y., assignor to Acme Tank Cleaning Process Corporation, New York, N. Y., a corporation of New York
Application July 9, 1935, Serial No. 30,434
4 Claims. (Cl. 103—5)



1. In a pumping apparatus an air exhauster, a reciprocating pump, two lateral intakes in said

pump and a connection from each of said lateral pump intakes to the air exhauster, said connections allowing at all times free passage of air from the intakes to the air exhauster.

2,044,014
PROCESS OF MAKING OXIDIZED PRODUCTS
William B. D. Penniman, Baltimore, Md.
Application May 20, 1925, Serial No. 31,713
26 Claims. (Cl. 196—142)



11. The process of decomposing hydrocarbon materials in a substantially liquid state, which comprises heating a flowing stream of the liquid to a temperature of about 300 to 700° F., passing the heated liquid into a converting vessel under substantial super-atmospheric pressure, introducing a free oxygen containing gas into the body of the liquid, preventing loss of heat from the vessel to maintain temperature of about 750° F. or higher therein, removing the generated vapors and condensing therefrom the less volatile constituents, returning the hot condensate without further heating to the vessel to undergo further decomposition, and withdrawing residual liquid from the bottom of the vessel, in which process the generated vapors are removed from the converting vessel and are then fractionated between motor fuel as a vapor fraction and less volatile constituents as condensate.

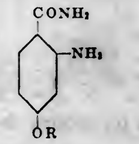
2,044,015
BENZONITRILES AND PROCESS FOR MAKING
Robert L. Perkins and Alvin J. Sweet, East Aurora, N. Y., assignors to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application December 5, 1933, Serial No. 701,050
13 Claims. (Cl. 260—99.30)

1. As a new compound a member of the group consisting of 2-nitro-4-alkoxy-benzonitriles, 2-nitro-4-aralkoxy-benzonitriles, 2-amino-4-alkoxy-benzonitriles, and 2-amino-4-aralkoxy-benzonitriles.

6. The method of preparing a 2-nitro-4-ethoxy-benzonitrile which comprises treating diazotized 2-nitro-4-ethoxy-aniline with an alkali-metal cyanide and copper sulfate.

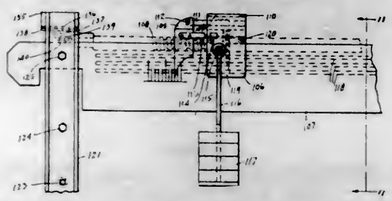
2,044,016
AMINO-ALKOXY-BENZAMIDES AND PROCESS OF PREPARING THE SAME
Robert L. Perkins, East Aurora, N. Y., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application December 5, 1933, Serial No. 701,051
8 Claims. (Cl. 260—124)

5. As a new compound a benzamide having the formula



wherein R represents an alkyl or aralkyl group.

2,044,017
APPARATUS FOR PROPORTIONING AND WEIGHING BATCH WEIGHTS
Robert E. Robb, Evansville, Ind.
Application June 28, 1929, Serial No. 374,440
19 Claims. (Cl. 249—22)



1. In a weighing apparatus having a scale beam, the combination of a counterpoise member adapted to be fixedly positioned upon said scale beam, a second counterpoise member relatively movable with respect to said first member, a solenoid winding carried by one of said members, a solenoid plunger carried by the other of said members, and means for automatically energizing said solenoid winding to cause relative motion of said members.

2,044,018
SEPARATION OF LITHIUM SALTS
Walter Rosett, Oakcrest, Va., and Francis R. Bichowsky, Washington, D. C.
No Drawing. Application November 9, 1933, Serial No. 697,398
2 Claims. (Cl. 23—31)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. A method of separating lithium from associated potassium and sodium, which comprises converting the said elements in the mixture to chlorides, boiling a solution of the said chlorides until the boiling temperature thereof is substantially 147° C. at atmosphere pressure, separating the supernatant liquid containing the lithium from the precipitate containing potassium and sodium.

2,044,019
DROP BOTTOM MINE CAR
Hugh W. Sanford, Knoxville, Tenn.
Application December 8, 1931, Serial No. 579,762
57 Claims. (Cl. 105—253)

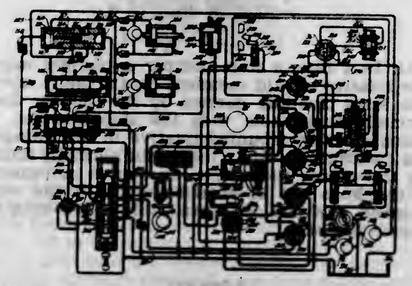
1. In a dumping car, the combination of frame structure, forward and rearward drop bottom

dumping doors hinged about transverse axes, latching means for the free edges of the doors, and a longitudinally movable member disposed above the lower edge of the frame structure for



controlling the release of the latching means and having a compound leverage connection with the latching means for the forward door, for releasing the doors for dropping successively from front to rear.

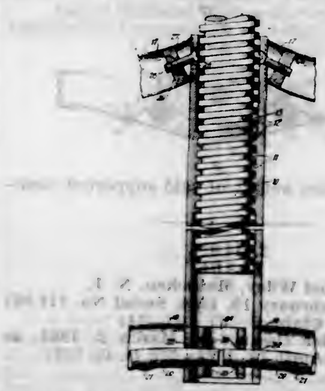
2,044,020
AUTOMATIC PATTERN CONTROLLED MILLING MACHINE
Bernard Sassen, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application August 16, 1935, Serial No. 36,562
20 Claims. (Cl. 90—13.5)



10. In a pattern controlled machine tool, the combination of a table for supporting a work blank and a pattern, a carrier mounted for relative movement with respect to said table and having a cutting tool and a tracer mounted thereon, a pair of fluid operable motors for actuating the table and carrier respectively, means to supply fluid pressure to said motors, a common control member for determining proportionate delivery of fluid to the individual motors and thereby the direction of resultant movement between the work and cutter, fluid operable means controlled by the tracer for actuating the control member, additional fluid operable means for varying the volumes delivered to said motors without disturbing the proportions therebetween, means to supply fluid pressure to said fluid operable means, and means controlled by the tracer to bypass the fluid delivered to one of said fluid operable means when admitting fluid to the other fluid operable means.

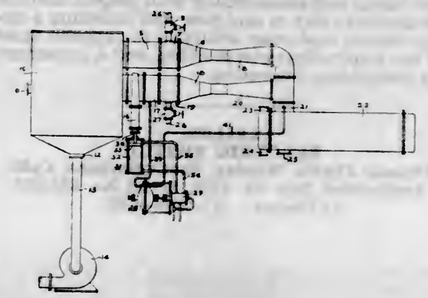
2,044,021
CHAIR BASE
Otto Schachtel, Chicago, Ill., assignor to Theo. A. Kochs Company, Chicago, Ill., a corporation of Illinois
Application March 9, 1935, Serial No. 10,258
10 Claims. (Cl. 155—138)

1. In a base of the class described, the combination of a center post, radially extending legs of looped formation each having an upper end and a lower end in spaced radially abutting relation to the center post, connecting means extending from the lower ends of said legs and through transversely the interior of the post



for affording a bridge connection between the lower ends of said legs, and means for securing the upper ends of the legs to the post.

2,044,022
COOLING APPARATUS
Ernest F. Stalcup, Rutledge, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 20, 1933, Serial No. 694,511
22 Claims. (Cl. 62—152)



1. In vapor jet refrigeration apparatus, the combination of an evaporating chamber, means for admitting liquid to said chamber, an ejector for withdrawing vapor from the evaporating chamber to effect partial evaporation and cooling of the liquid therein, and means responsive to a condition effected by the ejecting action of the ejector for establishing communication between said ejector and evaporating chamber.

2,044,023
ENGINE MOUNTING
Rolland S. Trott, Denver, Colo.
Application July 13, 1932, Serial No. 622,330
6 Claims. (Cl. 248—7)

3. A mounting for an end portion of an engine unit in combination with supported and supporting members, said mounting comprising a coiled spring carried by the supporting member and bearing against the supported member in supporting relation, and a weight-supporting non-metallic resilient member independent of said

spring and interposed between said supported and supporting members and permanently carry-



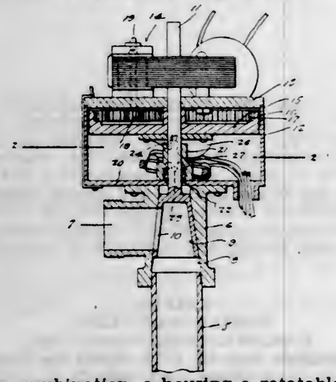
ing a part of the weight of said supported member.

2,044,024
FLARE
Samuel Wiley, Metuchen, N. J.
Application February 19, 1934, Serial No. 711,981
5 Claims. (Cl. 102—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



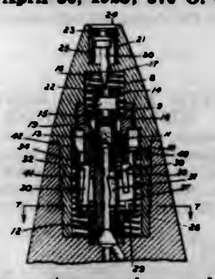
1. In a flare, a casing having a central partition, a combustible composition on each side of the partition, a tube extending longitudinally of the casing and eccentrically with respect thereto, an ignition relay in said tube and including a delay charge, said relay available to opposite faces of the combustible composition, and a parachute for suspending the casing.

2,044,025
ELECTRIC SWITCH
Thomas Fitchie Windas, Santa Barbara, Calif.
Application July 20, 1932, Serial No. 623,612
13 Claims. (Cl. 200—153)



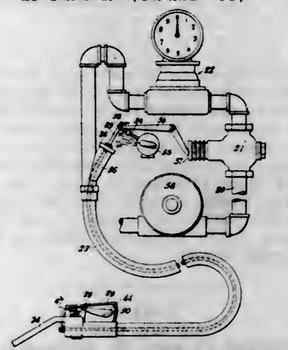
1. In combination, a housing a rotatable stem within said housing, rotary cam means on said stem within said housing and secured against rotation relative to said stem, a motor on said housing operatively connected to said rotary cam means, and switch means within said housing and having a rockable portion operably engaged by said cam means whereby a circuit may be opened and closed as said rotary means is operated to tilt said portion, said rockable portion comprising a ring rockably mounted within said housing and with which said rotary cam means is slidably engaged.

2,044,026
FUSE FOR PROJECTILES
Hermann H. Zornig, United States Army, Newhall, Iowa
Application October 26, 1934, Serial No. 750,145
11 Claims. (Cl. 102—36)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



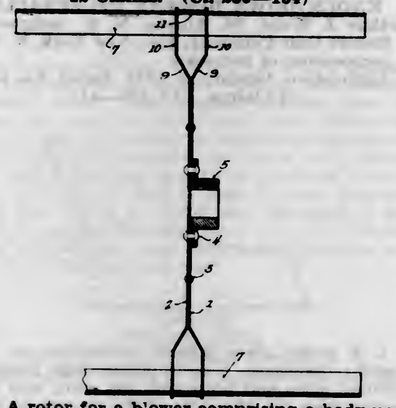
11. In a fuse, a stop member, a plunger movable relative to said member, centrifugally movable links pivotally carried by the plunger and normally engageable with the stop member, a casing movably mounted relative to the plunger and enclosing the links, means for normally holding the casing in position to oppose movement of the links out of engagement with the stop member, and said casing movable on set-back to release the links.

2,044,027
LIQUID DISPENSING
George W. Stedwell, Brooklyn, N. Y., assignor to Sherwell Controls, Inc., New York, N. Y., a corporation of New York
Application November 22, 1929, Serial No. 409,082
19 Claims. (Cl. 221—95)



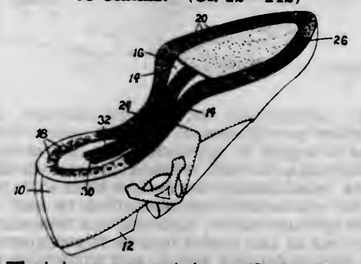
1. In liquid dispensing systems, the combination of a flexible hole and a discharge nozzle carried thereby, said nozzle having a substantially transverse passage therethrough closed to the flow passage of the nozzle, but open at top and bottom, a lever operating in said passage, a flexible mechanical connection operatively connected to said lever and extending from said nozzle back along the hose, liquid flow regulating means operated by said flexible mechanical connection, valve means controlling liquid flow from the nozzle and delayed action means for insuring sequential operation of said lever and valve means, including locking mechanism for securing one against operation until the other has been actuated.

2,044,028
ROTOR FOR A BLOWER
Ernest Szekely, Milwaukee, Wis., assignor to Bayley Blower Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 18, 1935, Serial No. 31,957
12 Claims. (Cl. 230—134)



1. A rotor for a blower comprising a body portion formed of two disks each having a series of slots formed therein adjacent the peripheral portion and in a symmetrical manner about the center of said body portion, a plurality of blades extending through the said slots, and means independent of said disks and directly engaging said blades for locking the blades to the body portion.

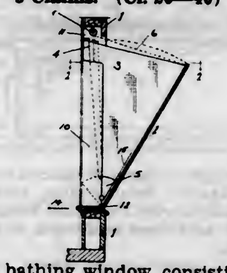
2,044,029
METHOD OF ATTACHING SOLES TO SHOES
Max W. Tetlow, Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 7, 1932, Serial No. 646,157
33 Claims. (Cl. 12—142)



1. That improvement in methods of cement-attaching soles to shoes which consists in securing the intramarginal shank portion of a tread sole to a shoe by means of cement produced by the action of a solvent on fibrous cellulose derivative fabric disposed between the tread sole and a shank piece attached to the shoe bottom.

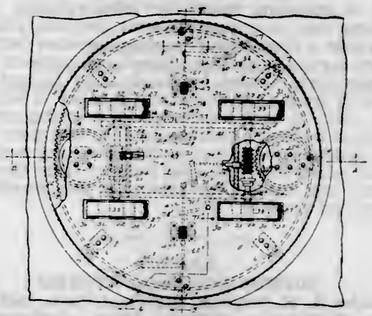
15. A shank piece covered with fabric capable of coacting with a solvent to produce cement.

2,044,030
SOLAR BATHING WINDOW
James Madison Thorp, Alameda, Calif.
Application December 3, 1934, Serial No. 756,642
5 Claims. (Cl. 20—40)



1. A solar bathing window, consisting of a window set in the wall of a house structure, the sash of which is pivoted at the bottom and adapted to tilt outwardly, said sash having fabric end closures adapted to roll up on tapered rollers and be concealed in pockets while the sash is in closed position, and means for balancing weight of the tilted sash.

2,044,031
TURNTABLE
John Van Nieuwland, Holland, Mich.
Application April 16, 1934, Serial No. 720,797
14 Claims. (Cl. 104—44)

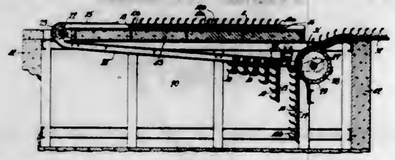


1. In a turntable: a belt mounted thereon for horizontal driven movement, adapted to be engaged and driven by a driven wheel of an automobile on the turntable; means for rotating the turntable; a rotatable element rotatably engaged by the driven belt when tightened by the weight of said wheel in its engagement with the belt; means for operating the turntable-rotating means by the rotation of said element; releasable means for holding the automobile against bodily movement on the turntable comprising a lever fulcrumed on the turntable and having an upwardly extending arm engaged by the automobile to stop its bodily movement.

2,044,032
APPARATUS FOR REFRIGERATING ARTICLES IN TRANSIT
Clarence W. Vogt, Louisville, Ky., assignor to Vogt Processes, Incorporated, Louisville, Ky., a corporation of Delaware
Application June 19, 1934, Serial No. 731,302
27 Claims. (Cl. 62—114)

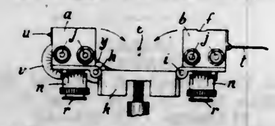
1. An apparatus for hardening ice cream bars, including a refrigerating chamber, a plurality of

flexible carriers each adapted to support a plurality of ice cream bars in parallel spaced relationship, separate loading and unloading platforms to support said carriers in horizontal position, a track within said chamber for support-



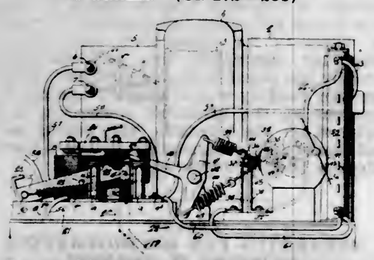
ing said carriers in parallel spaced planes and in closely juxtaposed relationship, and means for delivering said carrier from said loading platform to said track and from said track to said unloading platform.

2,044,033
SPEAKING HEAD
Kurt von Heising, Mill Hill, England, assignor to Stille Inventions Limited, London, England
Application October 4, 1934, Serial No. 746,865
In Great Britain October 9, 1933
3 Claims. (Cl. 179—100.2)



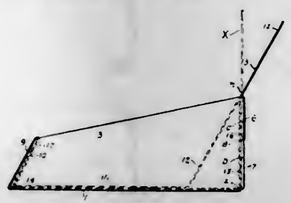
1. A speaking head for telegraphones comprising two co-operating head portions adapted to guide a travelling recording member between them, a rigid supporting base to which both head portions are hinged for application to and separation from said recording member, a slidable pole piece in each head portion, a spring-pressed plunger normally bearing against said pole piece for applying the latter to the recording member, means for retracting said plunger from the pole piece, and means for retaining the plunger in retracted position.

2,044,034
MOTOR CONTROL SYSTEM
Charles A. H. Watson, Highland Park, and Fred E. McKinster, Detroit, Mich., assignors to McCord Radiator & Mfg. Co., Detroit, Mich., a corporation of Maine
Application March 2, 1934, Serial No. 713,660
2 Claims. (Cl. 172—288)



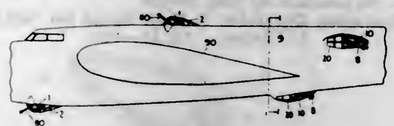
1. In combination, an electric motor, a circuit for the motor, a main switch and a resistance in the motor circuit for respectively starting and stopping the motor and reducing the speed of rotation thereof, a shunt circuit for the resistance, a supplemental switch in the shunt circuit for cutting the resistance in and out of the motor circuit, a timing device for retarding the opening and closing of the supplemental switch, said supplemental switch having separable contacts, one in the shunt circuit and the other carried by a revoluble member in the timing device, a lever pivoted intermediate its ends and connected with the main switch for actuation thereby, and means including tension springs connecting the opposite ends of the lever with the revoluble member for opening and closing the supplemental switch in response to the opening and closing movement of the main switch.

2,044,035
KNOCK-DOWN DISPLAY RECEPTACLE
Arthur J. Weiss, St. Albans, N. Y., assignor to Robert Gair Company, Inc., New York, N. Y., a corporation of Delaware
Application January 3, 1935, Serial No. 193
17 Claims. (Cl. 206—44)



1. A single piece display receptacle, of box board, comprising a rectangular body having a bottom, sides and high and low ends, and having an open top, the sides of the receptacle being sloping from the high end to the low end, and a display panel supported at the high end, the low end being connected to an inside bottom over said first bottom and said inside bottom being also connected with said display panel.

2,044,036
GUN MOUNT
Edward C. Wells, Seattle, Wash., assignor to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application December 16, 1934, Serial No. 758,055
12 Claims. (Cl. 89—37)



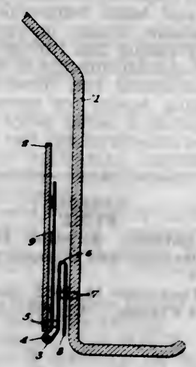
9. In combination, an airplane fuselage, three stationary protuberances on the sides thereof spaced at angles of approximately 120° about its longitudinal axis, each terminating rearwardly in a plane substantially normal to such axis, three movable enclosures, complemental to said stationary protuberances, disposed one immediately to the rear of and faired into each protuberance, a gun mount housed within and supported from each movable enclosure to support a gun projecting laterally therefrom, and means guiding each of said movable enclosures to swing about an axis parallel to the longitudinal axis of the fuselage through an angle in excess of 120°, to enable the fields of fire of adjacent guns to overlap in a direction substantially normal to the longitudinal axis of the fuselage.

2,044,037
COIN COLLECTOR APPARATUS
Clyde H. Wheeler, Midland Park, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 11, 1935, Serial No. 21,016
2 Claims. (Cl. 232—57.5)



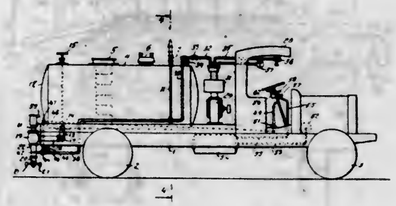
2. A coin collector comprising a coin passage, an arcuate slot in a side wall of said passage, a vane within said passage pivoted near its lower end, one side edge of said vane remote from its pivoting axis having an apertured lug laterally projecting from a face of said vane, a pin having one arm projecting through said lug and projecting externally of said passage through said slot, said pin having a second arm fastened to said vane in substantial alignment with the pivoting axis of said vane, and means operating on said pin for deflecting said vane.

2,044,038
SWEAT BAND
John G. Wintjen, Mount Vernon, N. Y.
Application March 9, 1935, Serial No. 10,204
1 Claim. (Cl. 2—181)



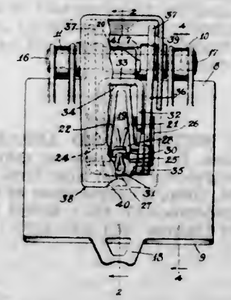
A sweat protector for a hat comprising, a sweat band, a single strip of non-porous material having a portion thereof lying flatwise against the outside of said sweat band and extending upwardly from the lower edge thereof to form a barrier, said strip having an integral, unbroken upward fold adjacent the lower edge of said band to form a double thickness, both thicknesses being stitched to said band close to the lower edge thereof, the upper portion of said upward fold being turned away from said sweat band and folded downwardly and covering said stitches, the two thicknesses of the last mentioned fold being adapted to be stitched to a hat on a line above the first mentioned stitches and below the upper edge of said barrier.

2,044,039
APPARATUS FOR DISTRIBUTING ROAD-BINDING MATERIAL
Joseph C. Woodcock, Cliffside Park, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application April 26, 1933, Serial No. 667,990
5 Claims. (Cl. 299—34)



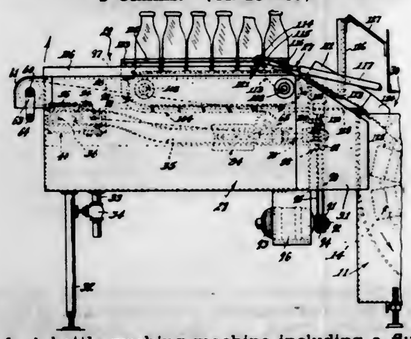
1. In apparatus for distributing road binding material, in combination, a portable tank, a spray distributing head, a conduit connecting said tank and said distributing head, means for maintaining the contents of said tank under fluid pressure, a valve in said conduit for controlling discharge of said road binding material from said tank, and fluid pressure means independent of and at a pressure substantially greater than the pressure maintained on the contents of said tank for opening and closing said valve.

2,044,040
JOURNAL BOX LID
George A. Woodman, Chicago, Ill.
Application December 29, 1933, Serial No. 704,419
8 Claims. (Cl. 308—47)



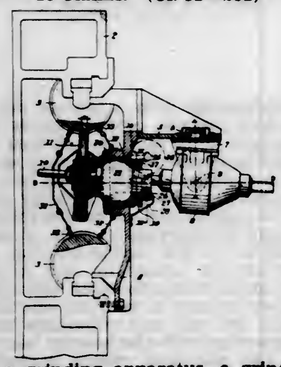
1. In combination with a journal box having a bearing boss thereon, a lid, a pintle pivotally connecting said lid to said bearing boss whereby said lid may be moved to and from closing position relative to the open side of said box, a lever, means including a removable part for attaching said lever to said lid, spring means mounted on said lever and having a part acting on said lever to hold said lid in box closing position, and releasable means for tensioning said spring, said releasable means being mounted on said pintle for movement relative to said lid, said pintle retaining said lid and said releasable means in pivotal connection with the bearing boss on said box when said releasable means is moved relative to said lid to release tension on said spring to permit removal of said lever and said spring.

2,044,041
BOTTLE WASHING AND CONVEYING MECHANISM
Robert J. Wynne, Bellwood, Ill., assignor to Irving D. Porter, River Forest, Ill.
Application September 27, 1933, Serial No. 691,122
5 Claims. (Cl. 15—59)



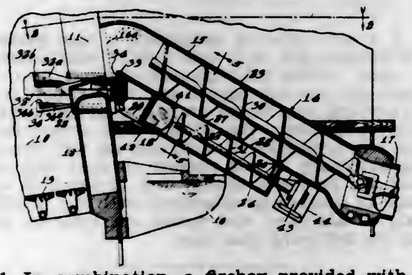
1. A bottle washing machine including a fluid tank and bottle conveyer therein; in combination with a preliminary cleaning device comprising a soaking tank arranged adjacent the receiving end of the first said tank, an endless conveyer arranged over said soaking tank and upon which bottles are to be manually placed, means for moving said endless conveyer toward said bottle conveyer by a step by step motion, means at the end of the conveyer for inverting the bottles and inserting them in the bottle conveyer, and a reciprocating bottle carrier, arranged in said soaking tank beneath said endless conveyer, bottle brushing means in the forward end of said soaking tank adapted to enter the bottles upon said reciprocating carrier when in forward position, there being space between the rear end of the soaking tank and the adjacent end of the endless conveyer to permit placing bottles on and removing the same from the reciprocating carrier, substantially as described.

2,044,042
SHAPING METHOD AND APPARATUS
James L. Adams, Jr., Youngstown, Ohio, assignor to The Youngstown Sheet and Tube Company, Youngstown, Ohio, a corporation of Ohio
Application December 17, 1931, Serial No. 581,633
10 Claims. (Cl. 51—251)



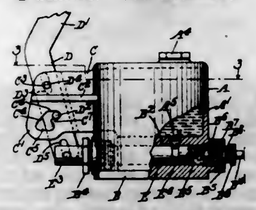
1. In a grinding apparatus, a grinder frame, a motor supported by said frame for movement about a plurality of substantially normal mutually intersecting axes, a motor shaft, a grinding element carried by said shaft, a support for said shaft including a plurality of eccentrics, means for adjusting one of said eccentrics relatively to the other, and means for rotating said support.

2,044,043
LOCOMOTIVE STOKER
Howard P. Anderson, Erie, Pa., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application December 16, 1930, Serial No. 502,646
Renewed November 7, 1935
21 Claims. (Cl. 110—101)



1. In combination, a firebox provided with a grate and having a backwall with a firing opening therein above said grate, a fuel conduit opening into said firing opening, a fuel casing beneath said conduit communicating therewith and at its forward end portion arranged to deliver fuel through said backwall above the grate, a stationary screen disposed between said conduit and said casing and being removable from a side thereof, rotatable means operative over said screen for advancing fuel through said conduit, means operated independently of said first named means for advancing fuel through said casing, and distributing means for spreading the fuel from said conduit in aerial paths over the grate and above the delivery of the fuel from said casing.

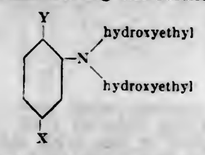
2,044,044
PUMP
William C. Anthony, Streator, Ill., assignor to Anthony Development Company, Streator, Ill., a syndicate
Application December 10, 1932, Serial No. 646,568
4 Claims. (Cl. 103—38)



1. In combination in a pump, a housing providing a reservoir and a cylinder, a piston controlled port between the two, a piston mounted for reciprocation within said cylinder to control said port and to move liquid, an outwardly opening discharge valve for said cylinder, an attaching part on the outer end of said piston, a fulcrum part fixed with respect to said housing, a plurality of stops fixed at different distances with respect to said housing, a handle provided with means engaging said fulcrum part, and means for engaging said piston part, the fulcrum engaging means being shaped to permit relative adjustment of the handle with respect to said parts, a stop on said handle adapted to contact one or another of the first mentioned stops to control the length of stroke of said piston.

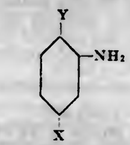
2,044,045
N,N-DIALKYLOL ANILINES AND PROCESS OF PRODUCING SAME
Alfred William Baldwin and Arthur Howard Knight, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application March 27, 1934, Serial No. 717,682. In Great Britain March 29, 1933
19 Claims. (Cl. 260—128)

9. A compound having the formula:



in which X is one of a group consisting of alkyl, alkoxy, or halogen, and Y is alkoxy.

19. The process which comprises reacting a compound represented by the formula



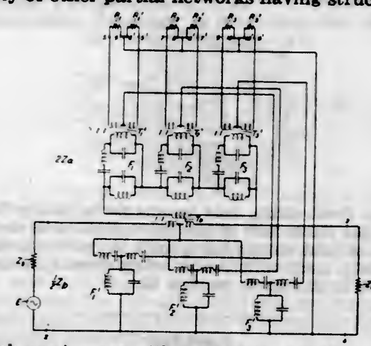
in which X is one of a group consisting of alkyl, alkoxy, or halogen, and Y is alkoxy, with ethylene chlorhydrin in an aqueous solution containing a mild alkali.

2,044,046
MIXTURES OF NATURAL RUBBER LATEX AND AQUEOUS DISPERSIONS OF RECLAIMED RUBBER
Arthur E. Barnard, Waterbury, and William E. Messer, Cheshire, Conn., assignors, by mesne assignments, to United States Rubber Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application February 16, 1934, Serial No. 711,556
6 Claims. (Cl. 134—17)

1. The method of making a stable composition containing natural rubber latex and an aqueous soap dispersion of reclaimed rubber comprising preparing an aqueous soap dispersion of alkali reclaimed rubber having approximately the same osmotic pressure as the natural latex and mixing the said dispersions.

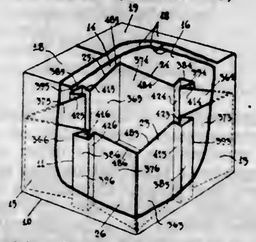
2,044,047
WAVE TRANSMISSION NETWORK
Stephen Bobis, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 10, 1935, Serial No. 1,140
19 Claims. (Cl. 178—44)

1. In a multi-channel wave transmission network comprising a plurality of impedance branches, two impedance branches adapted to determine the transmission characteristics of the network, one of said impedance branches comprising a plurality of partial networks, the other of said impedance branches comprising a plurality of other partial networks having structures



which are inverse with respect to said first-mentioned partial networks, and the output of each of said partial networks in said one branch being combined with the output of said corresponding partial network in said other branch to provide a separate transmission channel.

2,044,048
CONTAINER
Paul F. Boeye, St. Paul, Minn., assignor to Waldorf Paper Products Company, St. Paul, Minn., a corporation of Minnesota
Application September 1, 1934, Serial No. 742,437
4 Claims. (Cl. 229—14)

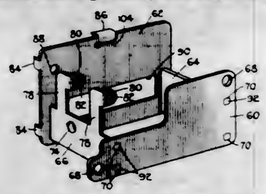


1. In combination with a rectangular container having a bottom and side and end walls connected thereto, packing means within said container comprising spacers adjacent each of the walls thereof, said spacers being constructed of sheet material folded to provide flanges at the ends of the spacers, bases intermediate the ends of the spacers disposed parallel with the walls of the container and engaging said walls, and struts connecting the flanges and bases, said flanges extending diagonally from the ends of said struts and to the corners of the container, said spacers at the junctures of the struts and flanges engaging an article within the container to hold the article spaced from the walls of the container.

2,044,049
REGISTER FRAME
Richard C. Bradley, Brooklyn, N. Y., assignor of one-half to Fred J. Bradley, St. Albans, N. Y.
Application August 22, 1933, Serial No. 686,206
4 Claims. (Cl. 235—1)

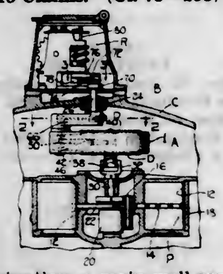
1. A register frame, said frame comprising front and back plates interconnected and spaced

apart by side plates, all of said plates being pressed out of heavy gauge sheet metal, said front plate being readily removably secured to said side plates by undercut tenons formed on the side plates and passing through mating slots



in the front plate, said tenons terminating flush with the outer face of the front plate, and one or more of said tenons being split to receive a staking tool, each split tenon being spread in order to lock it within its mating slot.

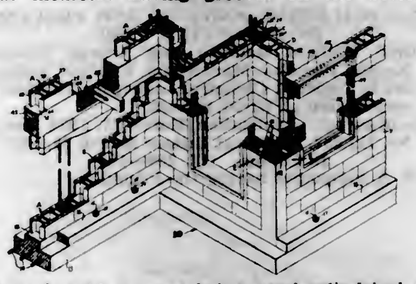
2,044,050
BALANCED DIAPHRAGM SYSTEM AND METER UTILIZING THE SAME
Richard C. Bradley, New York, N. Y., assignor of one-half to Fred J. Bradley, St. Albans, N. Y.
Application January 3, 1934, Serial No. 705,165
18 Claims. (Cl. 73—253)



1. In combination, a main wall separating different pressure zones, mechanism on one side of said wall, mechanism on the other side of said wall, and means to transmit motion between said mechanisms, said means including a unitary enclosed leakproof subchamber having two flat parallel sides joined by a peripheral wall, said peripheral wall having a neck connected to the aforesaid main wall, said neck connection acting as the sole support for said subchamber, said sides being provided with balanced diaphragms connected for equal movement, the chamber being exposed on the outside to the pressure in one zone, and being exposed on the inside through the neck to the pressure in the other zone, means connecting one of said mechanisms to said diaphragms on the outside of said chamber, and means connecting the other of said mechanisms to the diaphragms through the neck and on the inside of said chamber.

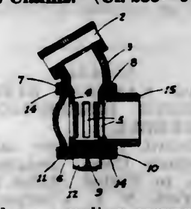
2,044,051
CONCRETE BLOCK
James W. Briscoe, Santa Barbara, Calif.
Application February 13, 1935, Serial No. 6,330
1 Claim. (Cl. 72—41)

A concrete block comprising an integral body having a pair of spaced parallel side members, said side members having parallel sides and having bevelled ends, the opposed ends on each side being disposed in parallel planes, a plurality of webs connecting said side members, said webs being parallel to each other and having less thickness than the thickness of said side members, each of said side members having a plurality of longitudinal extending beads on the top thereof, said beads being semi-cylindrical in shape and having bevelled ends, said beads being interrupted in line with said webs, said beads being spaced closer to the inner face of said side members than to the outer face thereof, said side members having grooves on the bottom



thereof, said grooves being semi-cylindrical in shape and having bevelled ends, said grooves being interrupted in line with said webs, said grooves being spaced closer to the inner face of said side members than to the outer face thereof, the top of said side members and the entire top of said webs and the portion between the ends of said beads being all in one plane, the bottom of said sides, the entire bottom of the webs, and the portion between the ends of the grooves being in one plane parallel to said last mentioned plane.

2,044,052
SWIVEL HOSE COUPLING
Joseph Broadley, Fair Oaks, Calif.
Application September 21, 1935, Serial No. 41,572
2 Claims. (Cl. 285—9)

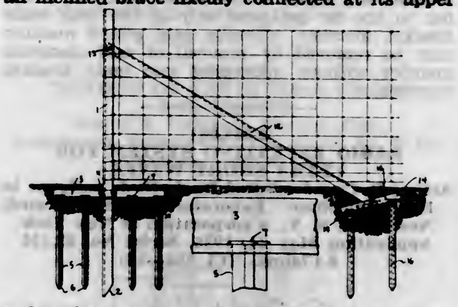


1. A swivel hose coupling comprising a hollow body for connection to a faucet, an apertured water passage element depending from the body, an enlarged flange extending about the body adjacent the upper end of the element, a disc secured to the lower end of the element, said flange and disc having circular recesses cut in adjacent faces, a cylindrical shell surrounding the element in spaced relation thereto, the ends of said shell turnably engaging in the corresponding recesses, and a radial water passage member projecting from the shell for connection to a hose.

2,044,053
DIRT SET CORNER POST
Oral A. Brock, Peoria, Ill.
Application September 1, 1933, Serial No. 687,829
2 Claims. (Cl. 189—31.4)

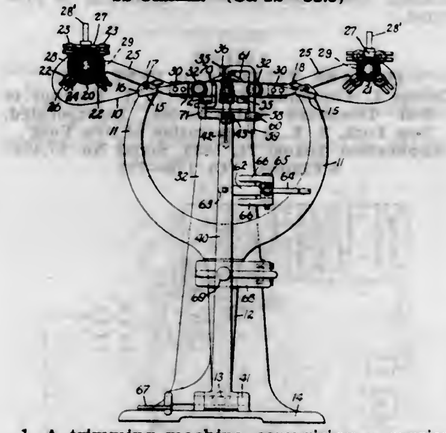
2. A "dirt-set" corner post and bracing means therefor, including an elongated metal anchoring member located in a trench beneath the surface of the ground and having a plurality of stake

receiving openings on opposite sides of the center of the member, a post engaged with the central portion of the anchoring member and driven into the ground to a predetermined degree, means to rigidly connect the post to the member upon completion of driving thereof, stakes receivable through the stake receiving openings and driven into the ground below the surface of the latter, an inclined brace fixedly connected at its upper



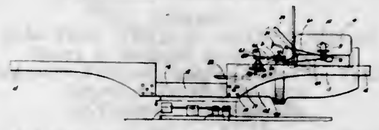
end to the post, a metal foot member located beneath the surface of the ground at a distance from the post and disposed at an incline to the surface of the ground and having openings, stakes receivable in the openings of the foot member and driven in the ground below the surface of the latter, and means to secure the lower end of the brace to the foot member substantially central of the length of the latter.

2,044,054
TRIMMING MACHINE
Charles G. Brostrom, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application June 27, 1933, Serial No. 677,878
22 Claims. (Cl. 12—83.5)



1. A trimming machine comprising a carrier provided with two cooperative knife-holders spaced apart and a knife connecting them, means arranged to engage a lasted shoe and guide it toe-foremost against the cutting edge of said knife, and means by which said carrier is constrained to oscillate in a curved path virtually concentric with respect to the transverse curvature of a shoe-bottom so guided, the operating portion of said knife being curved virtually in accordance with said transverse curvature of the shoe-bottom.

2,044,055
MOTOR VEHICLE CONTROL
Andrew K. Brumbaugh, Cleveland, Ohio, assignor to The White Motor Company, Cleveland, Ohio, a corporation of Ohio
Application November 5, 1930, Serial No. 493,588
8 Claims. (Cl. 192—.01)

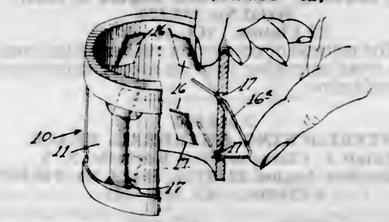


1. In a motor vehicle, a motor having a throttle valve and a clutch, a link connected to said throttle valve for operating the same, said link being pivoted to a lever, a fulcrum for said lever, manually controlled means for rocking said lever on said fulcrum to actuate said throttle valve, and means for operating said clutch arranged to move said fulcrum and link without moving said manually controlled means.

2,044,056
WATERPROOFING SIZE AND METHOD OF MAKING SAME
Charles R. Burgard, Joliet, Ill., assignor to The Nu Size Company, Inc., Joliet, Ill., a corporation of Illinois
No Drawing. Application April 23, 1935, Serial No. 18,881
11 Claims. (Cl. 134—46)

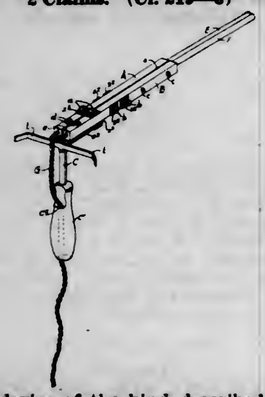
1. A water-proofing agent for water colors and the like, consisting of a solution containing 400 lbs. of water and 100 lbs. of casein, a solution containing 100 lbs. of water, 5 lbs. of borax and 5 lbs. of tri-sodium phosphate, 1 qt. of ammonia, 2 qts. of pine oil, 1 qt. of carbolic acid, 25 gals. of a water wax dispersion, 15 gals. of linseed oil, 15 gals. of wax solvent solution, 5 gals. of an 18% solution of gum copal cut with aqua-ammonia, and 10 gals. of gum copal.

2,044,057
TRAP RING FOR CORE BARRELS
Clarence E. Burt, Los Angeles, Calif., assignor to Baker Oil Tools, Inc., Huntington Park, Calif., a corporation of California
Application March 11, 1935, Serial No. 10,410
2 Claims. (Cl. 255—72)



1. In combination with a tubular core-taking device, a sleeve-like member fitting therewithin and held from axial movement with respect thereto, said sleeve-like member having openings formed through its side wall, members having portions to be interposed between the exterior of said sleeve-like member and the interior of the core-taking device, said members having flexible portions projecting through said openings in said sleeve-like member and extending radially inwardly and upwardly with respect to said core-taking device.

2,044,058
ELECTRODE HOLDER
Alberto Bustamante, Mexico, D. F., Mexico
Application July 12, 1935, Serial No. 31,024
In Mexico August 18, 1934
2 Claims. (Cl. 219—8)

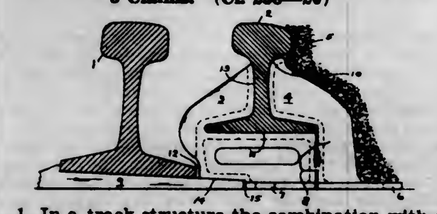


1. In a device of the kind described, an electrode holder consisting of a pair of conductor bars, an insulating strip positioned between said bars, means to secure said bars and strip in position and in insulated relation, terminal sockets for feed wires in said bars at one end of the device, set screws extending laterally of said bars into said sockets, sockets for electrodes at the remaining ends of said bars, other set screws extending laterally of the bars into the last mentioned sockets, an angle bracket having one arm extending beneath said bars at the ends having the terminal sockets, an insulating strip disposed between said arm and the bars, insulated bolts passing through said bars and arm and securing them together, the remaining arm of said bracket extending at right angles to said bars, and an insulating handle on the last mentioned arm.

2,044,059
METHOD OF COMPOUNDING RUBBER
William S. Calcott and William A. Douglass, Pennsgrove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 3, 1929, Serial No. 383,420
22 Claims. (Cl. 18—50)

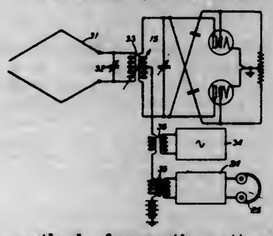
1. The method of preserving rubber which comprises treating rubber with an alkoxy substituted diphenylamine.

2,044,060
INTERLOCKING GUARDRAIL BRACE
Ralph P. Clarkson, New Rochelle, N. Y.
Application August 22, 1934, Serial No. 740,862
5 Claims. (Cl. 238—20)



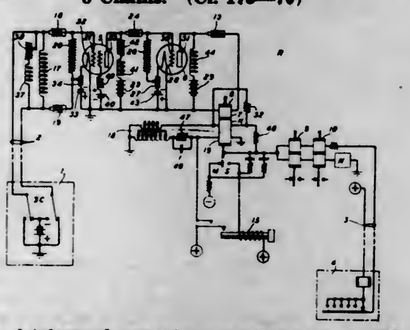
1. In a track structure the combination with a track rail and a guard member of supporting members for the latter comprising a main bracket member provided with an elevated bearing support for reception of the guard member and having a base flange portion adapted for securing the bracket to a tie independently of the track rail, a clamping member provided with a portion which fits around the guard member and with means to interlock with said main bracket member and means to fasten said clamping member to the tie independently of the said main bracket member, whereby said guard member may be removed by removal of said clamping member without disturbing said main bracket member.

2,044,061
RADIO REPEATING SYSTEM FOR ULTRA-SHORT WAVES
Arthur B. Crawford, Red Bank, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 24, 1935, Serial No. 23,154
8 Claims. (Cl. 250—15)



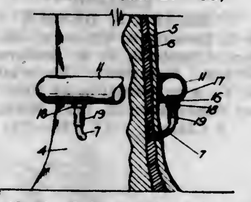
1. The method of repeating attenuated radiant energy waves which comprises absorbing said waves by an absorbing conductor, super-regeneratively amplifying said waves, and reimpressing the resulting amplified waves upon the absorbing conductor for emission whereby amplification free from excessive distortion is provided.

2,044,062
IMPULSE TELEGRAPH REPEATER
George C. Cummings, Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 21, 1935, Serial No. 37,120
8 Claims. (Cl. 178—70)



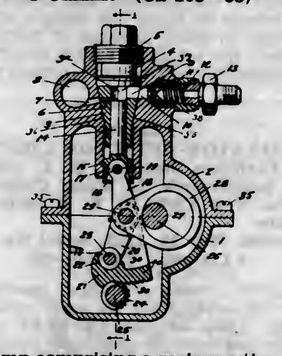
1. A telegraph repeater comprising an amplifier system including thermionic space discharge amplifying means and having an input and an output side, an inductive shunt path for passing of incoming signals, capacitance means of high capacity connected to receive potential variations from said shunt path produced by incoming impulses and to impress corresponding potential variations on said amplifier system, a polar relay for retransmission of signals and having an operating winding, capacitance means of high capacity serially connected with said winding to said output circuit to receive in response to the last impulse of a message first a short, strong current impulse for operating the armature of said relay to its alternate position and next a reversed long, weak current impulse permitting the armature to stay in said position.

2,044,063
METHOD OF FERTILIZING TREES AND SHRUBS
Arnold V. Dahlberg, Denver, Colo.
Application February 3, 1936, Serial No. 62,177
5 Claims. (Cl. 47—58)



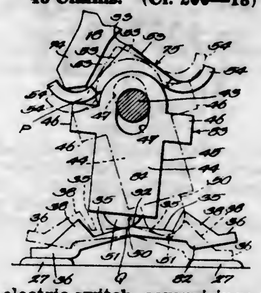
5. The method of increasing the growth and productivity of fruit trees and the like, which consists in determining by analyses of the sap and fruit of vigorous trees the composition of the sap and the quantity of various plant foods required for normal growth and production, applying similar analyses to the sap and fruit of trees deficient in growth and production, determining from these analyses the deficiencies in the plant food normally obtained from the soil, and introducing into the cambium layer, independently of the root system, a solution containing the plant foods lacking in the sap obtained through the root system.

2,044,064
PUMP
Charles W. Dake, Grand Haven, Mich., assignor to Campbell, Wyant and Cannon Foundry Company, North Township, Mich., a corporation of Michigan
Application November 10, 1934, Serial No. 752,389
3 Claims. (Cl. 103—38)



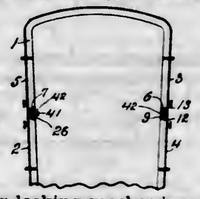
3. A pump comprising a reciprocating pumping plunger, a toggle for reciprocating the same comprising pivotally connected arms one of said arms being pivotally connected with the plunger, a pivotally mounted yoke element pivotally connected with the other arm and turnable in a direction transverse the axis of the plunger to different positions for governing the stroke of the plunger, the pivotal connection of the arms and the pivotal mounting of the yoke being coaxial at the beginning of the pumping stroke of said plunger, and driving means connected with the toggle for operating the same.

2,044,065
ELECTRIC SWITCH CONSTRUCTION
Harry A. Douglas, Bronson, Mich.
Application February 8, 1934, Serial No. 710,279
Renewed January 13, 1936
45 Claims. (Cl. 200—18)



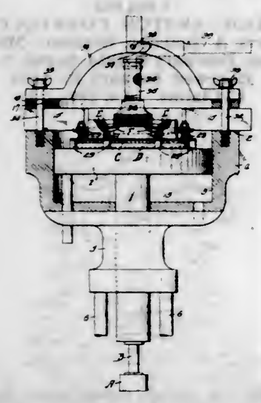
16. An electric switch, comprising: means movable from one normal position to another; and means for actuating said movable means into at least one of said normal positions, with a snap action, said actuating means including a member adapted to transmit force to said movable means, a pivot for supporting said member, said member having a slot extending longitudinally thereof, said pivot being normally seated in one end of said slot, energy storing means, and means whereby operation of said actuating means causes said pivot to become unseated in said end of said slot, to thereby store energy in said energy storing means, and thereafter causes said member to swing with respect to said pivot before said pivot again becomes seated in said end of said slot.

2,044,066
AUTOMOBILE DOOR LOCKING MECHANISM
Arthur W. Easley, Independence, Mo.
Application December 5, 1932, Serial No. 645,704
2 Claims. (Cl. 70—14)



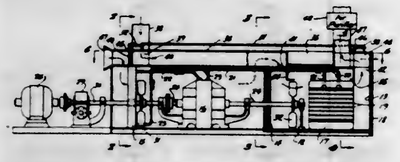
1. In a door locking mechanism, the combination with two levers, manually operated means for oscillating one of said levers, two longitudinally movable flexible members attached at one set of ends to said one lever at opposite sides of the fulcrum thereof and attached at their other set of ends to the other of said levers at opposite sides of the fulcrum thereof, of two reciprocative locking bolts, a reciprocative member, and a link pivoted to said other lever and to said reciprocative member for reciprocating said reciprocative member, when said levers are oscillated, said reciprocative member having means engaging said bolts for simultaneously reciprocating said bolts in opposite directions.

2,044,067
MACHINE FOR TESTING CLUTCH ASSEMBLIES
Howard B. Eldridge and Carl E. Klein, St. Louis, Mo.
Application September 24, 1932, Serial No. 634,702
14 Claims. (Cl. 33—180)



1. In combination, means comprising a base member, means mounted in the base member for reciprocating motion, members secured to the base member and overlying the reciprocating member, and vertically adjustable members supported on the inner ends of the overlying members adapted to contact the cover flange of a clutch when clamped between said reciprocating member and the adjustable members.

2,044,068
TEMPERATURE CONTROL SYSTEM FOR VEHICLES
Wilfred Fourness, Oakland, Calif., and Edward G. Burghard, New York, N. Y., assignors, by mesne assignments, to Fourness Development Corporation, Ltd.
Application January 3, 1933, Serial No. 649,912
9 Claims. (Cl. 62—129)



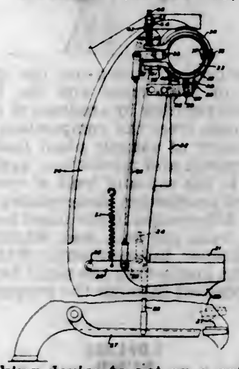
1. In a system for temperature control for air in a space, a mechanical refrigerating system having a heat absorbing member, a compressor and a condenser for circulating a refrigerant through said member and condenser, means for circulating air through said space, and means for optionally passing said air past said heat absorbing member, to transfer heat from the air to the member, while circulating external air over the condenser and compressor, and for passing said air to be conducted into the said space past the condenser and compressor to transfer heat from the condenser and compressor to the air, while circulating external air over the heat absorbing member.

2,044,069
FINNED EVAPORATOR
Fred R. Erbach, Beloit, Wis., assignor to General Refrigeration Corporation, Beloit, Wis., a corporation of Delaware
Application July 25, 1935, Serial No. 32,995
6 Claims. (Cl. 257—262)



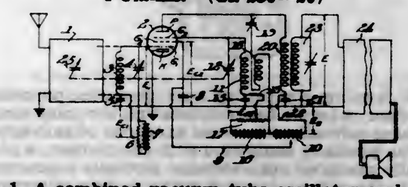
1. An evaporator comprising a plurality of small cooling units, each unit consisting of a coil having flanged end fins, and means joining the flanges of adjacent fins at the respective ends of the units.

2,044,070
BRAKING DEVICE
Waldemar C. Ewaldson, Chicago, Ill., and Daniel V. Waters, Cranford, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application September 15, 1934, Serial No. 744,108
6 Claims. (Cl. 188—75)



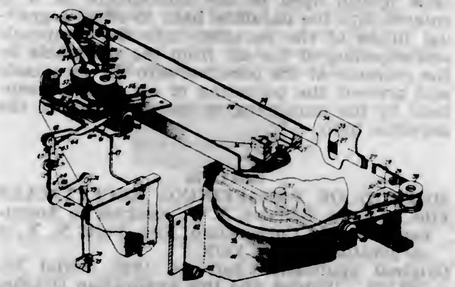
1. A braking device to act on a rotary member comprising a first brake shoe mounted to float on the rotary member in continuous contact therewith, first pressure exerting means to press the shoe against the member under constant pressure, a second brake shoe movably mounted with respect to the member, and second pressure exerting means to apply the second shoe to the member and to exert pressure of both shoes on the member, the second pressure exerting means being independent of the first pressure exerting means.

2,044,071
OSCILLATOR-DETECTOR CIRCUITS
Paul O. Farnham, Boonton, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application May 18, 1933, Serial No. 671,769
4 Claims. (Cl. 250—20)



1. A combined vacuum tube oscillator and detector comprising a cathode, a plate and two control grids located at different distances from said cathode, an input circuit connected to said cathode and one control grid, said one control grid being constructed to provide a variable mu characteristic, means for resonating said input circuit to the incoming signal frequency, means for feeding back energy from the plate circuit to said second control grid, means for adjusting the frequency of the said energy feedback to a frequency differing from the applied signal frequency by an amount equal to the desired intermediate beat frequency, a screen grid interposed between said control grids and a single means for applying a positive potential to said screen grid and a greater positive potential to said plate.

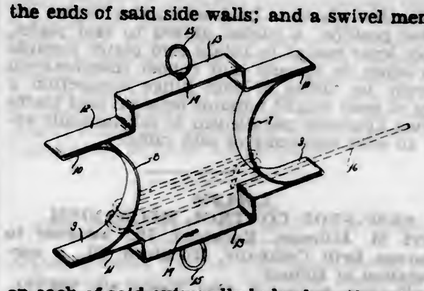
2,044,072
TYPEWRITING MACHINE
George G. Going, Glenbrook, Stamford, Conn., assignor to Remington Typewriter Company, Ilion, N. Y., a corporation of New York
Application February 27, 1933, Serial No. 658,727
16 Claims. (Cl. 197—153)



1. In a typewriting or like machine, means for simultaneously printing on opposite sides of work sheets, the imprint on one side being positive and the imprint on the other side being negative, said means comprising a carriage, a cylindrical platen carried thereby and by which the work sheets are line spaced when the platen is turned, a ribbon having a coating only on the front side thereof for printing from its front side only on the rear side of a work sheet, a second ribbon for simultaneously printing from its rear side on the front face of a work sheet, means for guiding the work sheet or sheets between said ribbons so that the work sheets will not have to be threaded by hand to such position, printing instrumentalities, automatically operating means actuated at each operation of a printing instrumentality for effecting a feed of said first mentioned ribbon, and adjustable means for varying the feed of the ribbon by said automatically operating means to any one of a number of different fixed extents in accordance with the setting of said adjustable means.

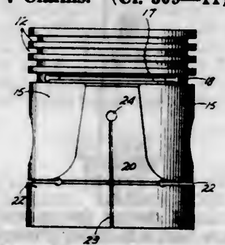
2,044,073
CLOTHESLINE REEL
George H. Hurley, Detroit, Mich.
Application June 19, 1935, Serial No. 27,278
2 Claims. (Cl. 242—100)

1. A clothes line reel of the class described, comprising: a pair of side walls extending in parallel relation to each other, each of said side walls having its central portion outwardly offset to provide an outwardly bulged portion; a pair of end walls, each connected at its opposite ends to the ends of the side walls to provide a closed frame, said end walls being bent inwardly from the ends of said side walls; and a swivel member



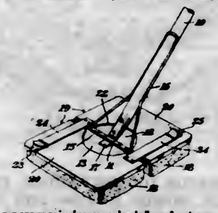
on each of said outwardly bulged portions to provide a pivot about which the frame may rotate.

2,044,074
PISTON
Frank Jardine, Cleveland, Ohio, assignor, by mesne assignments, to The Cleveland Trust Company, Cleveland, Ohio, a corporation of Ohio, as trustee
Application July 25, 1933, Serial No. 682,055
7 Claims. (Cl. 309—11)



1. An internal combustion engine piston formed of light metal alloy and comprising a head having a substantially cylindrical depending ring flange, a skirt having aligned wrist pin bosses formed therein and having opposed thrust faces between said wrist pin bosses, said skirt being integrally connected with said ring flange in the vertical zone of said wrist pin bosses and being separated at its upper edge from said ring flange by horizontal slots above said thrust faces, the upper portion of said thrust faces having an ovate sectional contour with its greater diameter perpendicular to the wrist pin axis and including a circumferentially continuous band, and the lower portion of the skirt having a substantially circular sectional contour and being yieldable by means of a substantially vertical slot extending upwardly from the open end of the piston skirt.

2,044,075
MOP
Julius Jelenfy, New York, N. Y.
Application October 15, 1935, Serial No. 45,057
8 Claims. (Cl. 15—119)



1. A mop comprising rigid plates, a hinge connection between said plates, elastic means con-

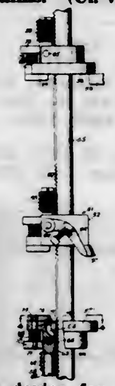
necting the plates to hold said plates in flat extended position, a rubber affixed to said plates, simple lever means to rotate said plates towards each other to squeeze said rubber therebetween whereby by virtue of said hinge connection a space of even height remains between said plates as they approach parallelism to substantially effect an even squeezing of said rubber.

2,044,076

SKIP-STOP CONTROL MECHANISM

Albert M. Johnson, Rockford, Ill., assignor to Barnes Drill Company, Rockford, Ill., a corporation of Illinois

Application August 9, 1934, Serial No. 739,124
17 Claims. (Cl. 74—27)



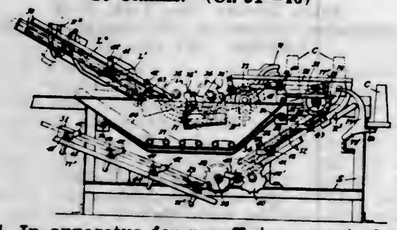
1. In a control device for machine tools, in combination, a bar, a member encircling said bar and movable longitudinally thereof, means for adjusting the position of said member on said bar and including a threaded part on said member cooperative with complementary means on said bar to receive the threads of said part whereby movement of said member on the bar is effected by simple manipulation to adjust said threaded part relative to said complementary means, and locking means carried by said member for retaining said member in adjusted position on said bar and for preventing accidental movement of the member relative to the bar.

2,044,077

PARAFFINING APPARATUS

Ellis L. Jones, Long Island City, N. Y., assignor, by mesne assignments, to American Sealcone Corporation, New York, N. Y., a corporation of New York

Application July 24, 1929, Serial No. 380,566
10 Claims. (Cl. 91—46)



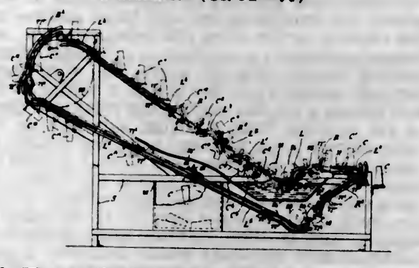
1. In apparatus for paraffining receptacles, a paraffine bath, means to fuse and maintain the paraffine in a predetermined fused condition, a traveling conveyor, receptacle holding means adapted to support the receptacle exterior of the bottom thereof carried by the conveyor to have adjustment on a horizontal axis and effect adjustment of the receptacle in the plane of its axis, means to guide the upper stretch of the conveyor in its travel relative to the paraffine bath to immerse the receptacle in and move it through and out of the bath, cam tracks arranged successively at opposite sides of the travel of the conveyor, means carried by the receptacle supporting means at opposite sides of the conveyor to engage and follow the cam tracks relative to one side of the conveyor alternately with the engaging and following of the cam tracks relative to the other side of the conveyor by the travel of the conveyor to adjust the receptacle holder to position to permit engaging thereon of a receptacle in upright position, then prior to immersing of the receptacle in the paraffine bath adjust the holder to position the receptacle with the mouth end tilted upward slightly from the horizontal with the bottom foremost and in said position immerse the receptacle in the paraffine bath with the receptacle mouth open to the atmosphere as it is entered into the paraffine bath to effect a gradual filling of the paraffine into the receptacle and expelling of the air from the receptacle by the entrance of the paraffine into the receptacle and prevent the pocketing of air in the receptacle by the immersing of the receptacle in the paraffine bath.

2,044,078

METHOD OF PARAFFINING RECEPTACLES

Ellis L. Jones, Bellaire, N. Y., assignor to American Sealcone Corporation, New York, N. Y., a corporation of New York

Original application July 24, 1929, Serial No. 380,566. Divided and this application October 18, 1934, Serial No. 748,789
5 Claims. (Cl. 91—70)



1. The method of coating receptacles having an elongated body with a closed end and an open end with material adapted to fuse when heated and solidify at normal atmospheric temperature, consisting in immersing a receptacle in a heated bath of the coating material to effect the expelling of the air from the receptacle and prevent the pocketing of air in the receptacle by the filling of the coating material into the receptacle as it is immersed in the bath, withdrawing the receptacle from the bath and simultaneously draining the major portion of the coating material from the receptacle, then inverting the open end of the receptacle in the bath and withdrawing the receptacle in said position from the bath to create a partial vacuum in the receptacle and rupture of bubbles adhering to the inner surface of the receptacle, and then manipulating the receptacle to effect reverse flow transversely and longitudinally of the receptacle and an even coating of the material on the surfaces thereof.
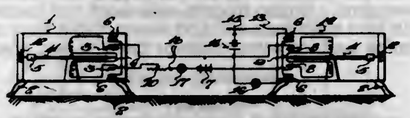
CARNEGIE LIBRARY OF ATLANTA

2,044,079

APPARATUS FOR DETERMINING SUBSURFACE TECTONICS OF THE EARTH

John C. Karcher, Dallas, Tex.

Application April 16, 1934, Serial No. 720,916
5 Claims. (Cl. 265—1.4)



1. Apparatus for determining the difference in the gravitational constant between a plurality of spaced points comprising a plurality of similarly constructed Kelvin balances disposed at said points and electrically connected in series whereby to obtain a uniform magnetic flux in the coils of said balances, and means for indicating any difference of equilibrium between the several balances at said several points.

2,044,080

CIRCUIT CONTROLLING DEVICE

Charles R. Kemper, Dayton, Ohio

Application July 31, 1935, Serial No. 34,113
11 Claims. (Cl. 201—50)



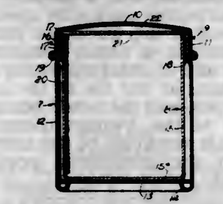
1. In a circuit controlling device, a pair of contact members spaced one from the other and adapted to be connected with the circuit to be controlled, one of said contact members being movable toward and from the other member, yieldable and non-conducting spacing means interposed between said members and arranged to form a pocket, the ends of which are closed by said contact members, and finely divided conducting material confined in said pocket and adapted to be compressed by the movement of said movable contact member and to engage both contact members.

2,044,081

METALLIC JAR

John H. Kjellstrom, Rockford, Ill., assignor to J. L. Clark Manufacturing Co., Rockford, Ill., a corporation of Illinois

Application November 12, 1934, Serial No. 752,619
9 Claims. (Cl. 220—10)



1. A container of the class set forth comprising inner and outer shells having peripheral side walls of sheet metal spaced apart to form a narrow annular space between them, said inner shell being of substantially uniform diameter from top to bottom and having a wide flange at its upper end, and said outer shell having an integral upper end portion of reduced diameter fitting snugly about the upper end portion of the inner shell and forming an upwardly facing shoulder spaced a substantial distance below the upper end of the inner shell, said flange on the inner shell being folded around the upper edge of said reduced end portion of the outer shell and downwardly with its free edge adjacent said shoulder so as to form a collar of substantial width, and a cap having a skirt fitting over said collar with its lower edge terminating adjacent said shoulder.

2,044,082

AZO DYES AND METHOD FOR THEIR PREPARATION

Arthur Howard Knight, Ashton-on-Mersey, Sale, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application June 8, 1933, Serial No. 674,967. In Great Britain June 17, 1932
20 Claims. (Cl. 260—84)

20. Secondary disazo dyestuffs free from sulfonic and carboxylic groups corresponding to the general formula:

$$X{-}N{=}N{-}Y{-}N{=}N{-}Z$$

wherein X represents the radical of a diazotized amine of the benzene or naphthalene series, Y is a radical derived from an alkoxy-aniline which couples in the position para to the amino group, to which the two —N=N— groups are attached para to each other, and wherein Z is a radical of the benzene series containing an amino group which is substituted by at least one beta-hydroxyethyl group.

2,044,083

AMINOHYDROQUINONE - DI - (BETA - HYDROXYETHYL) ETHER AND METHOD OF PRODUCING SAME

Arthur Howard Knight, Ashton-on-Mersey, and Wilfred Archibald Sexton, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application July 3, 1934, Serial No. 733,682. In Great Britain July 6, 1933
8 Claims. (Cl. 260—130.5)

2. The process for the manufacture of the new dyestuff intermediate, aminohydroquinone di-(β-hydroxyethyl) ether, which comprises interacting ethylene chlorhydrin with hydroquinone to give hydroquinone di-(β-hydroxyethyl) ether, nitrating, and then reducing.

3. Aminohydroquinone di - (β-hydroxyethyl) ether.

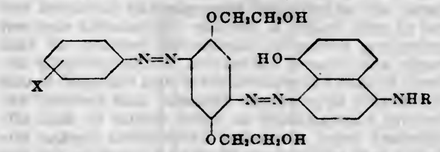
2,044,084

SECONDARY DISAZO DYESTUFFS AND THEIR PRODUCTION

Arthur Howard Knight, Blackley, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

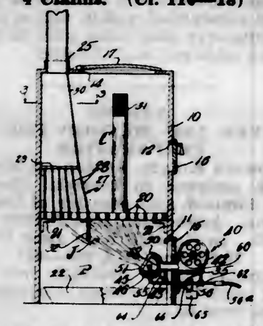
No Drawing. Application July 16, 1934, Serial No. 735,539. In Great Britain July 18, 1933
11 Claims. (Cl. 260—84)

3. A new azo dye represented by the formula



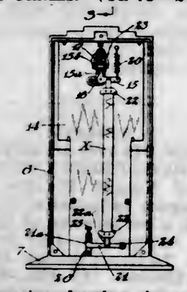
in which X stands for hydrogen, chlorine, bromine or methyl, and R stands for hydrogen or β-hydroxyethyl.

2,044,085
INCINERATOR
Louis Laghetto, Somerville, Mass., assignor to Albert B. Tenney, Lexington, Mass.
Application February 13, 1934, Serial No. 710,997
4 Claims. (Cl. 110—18)



1. An incinerator comprising a casing having an outlet flue adjacent to its top and a grate spaced from its bottom and defining a combustion compartment above and an ash pit below the grate, a vertically extending cage mounted on said grate and defining a secondary combustion chamber, a blast burner disposed in said pit and arranged to discharge a jet diagonally across the pit and upwardly through said grate so that a portion of said jet directly enters said combustion compartment and another portion of said jet directly enters said secondary combustion chamber, and a shield extending from the top of said cage to said outlet flue, said shield being operative to deflect gaseous products of combustion downwardly and cause them to pass through said secondary combustion chamber.

2,044,086
HYGROMETER
Carroll E. Lewis, Minneapolis, Minn., assignor to Lewis Air Conditioners, Inc., Minneapolis, Minn., a corporation of Delaware
Application January 12, 1934, Serial No. 706,365
3 Claims. (Cl. 73—24)



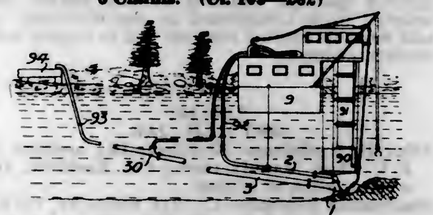
2. A hygrometer having in combination, a frame, an adjustment lever pivoted adjacent one end of said frame, a flexible hygroscopic element extending across a substantial portion of said frame and spaced therefrom, a clip pivotally secured to said adjustment lever and clamped to one end of said hygroscopic element, said element extending substantially at right angles to said adjustment lever, threaded adjustment means engaging said adjustment lever to determine the position thereof, an actuating lever pivoted for swinging movement adjacent the other end of said frame and having an arm extending substantially parallel to said adjustment lever, a clip pivotally connected with said arm and clamped to the other end of said hygroscopic element, means connected with said lever for maintaining said element under light tension, a gear segment fixed to said lever, an actuated shaft journaled for rotative movement, a pinion fixed to said shaft and meshed with said gear segment and indicating means including an indicating element fixed to said shaft.

2,044,087
PISTON FOR INTERNAL COMBUSTION MOTORS
Elmer C. Long, Grosse Pointe Park, Mich.
Application July 29, 1933, Serial No. 682,778
3 Claims. (Cl. 309—12)



1. A piston comprising a head having a side wall and a pair of thrust sides, one of said thrust sides depending from the side wall of the head and the other thrust side being separated from the side wall of the head, and an adjustable strut turnably fixed at its ends to said thrust sides for adjusting a portion of the separated thrust side either inwardly or outwardly.

2,044,088
HYDRAULIC MATERIAL ELEVATOR
Mount C. Lord, Seattle, Wash., assignor to U. S. Submarine Motorship Dredge, Inc., Seattle, Wash., a corporation of Washington
Application December 11, 1933, Serial No. 701,778
6 Claims. (Cl. 103—262)

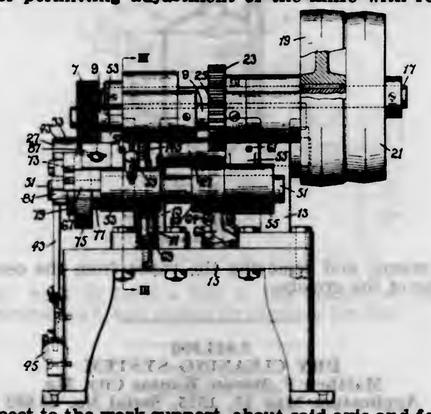


1. In combination with a pressure pipe and a discharge pipe having an intake opening, a Venturi throat within the discharge pipe having a constricted portion, a nozzle connected to the pressure pipe and discharging within the Venturi throat, the bore of the tip of the nozzle being curved concavely, and the nozzle being so located, with respect to the Venturi throat, that any tangent to such curvature of the nozzle's tip will pass through the constricted portion of the Venturi throat.

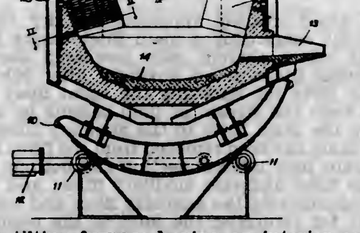
2,044,089
SKIVING MACHINE
Harry Lyon, Holbrook, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 10, 1934, Serial No. 756,805
7 Claims. (Cl. 69—13)

1. A machine of the class described having, in combination, a roll, means for rotating the roll

about a fixed axis to feed the work, a knife and a work support pivoted about a common axis, means for permitting adjustment of the knife with respect to the work support, about said axis and for holding it in adjusted position, and yielding means for urging the knife and work support to swing about said axis toward the feed roll.



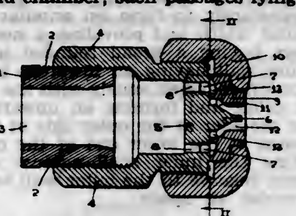
2,044,090
TILTING FURNACE
James E. MacDonald, Pittsburgh, Pa.
Application October 31, 1935, Serial No. 47,664
4 Claims. (Cl. 263—46)



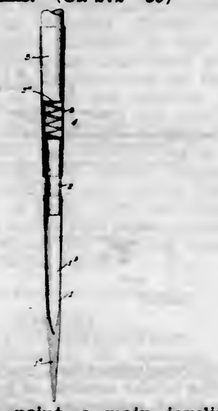
1. A tilting furnace having an interior corner structure comprising bricks each having offsets formed in the upper and lower faces thereof, the offsets being so positioned that those in each course of bricks have interspersed, but laterally spaced relation with the offsets of an adjacent course, whereby relative shifting movement of the courses is restricted, the structure being of a width exceeding the total length of a plurality of bricks.

2,044,091
ATOMIZER
Kingsley L. Martin, Montclair, N. J.
Application September 21, 1935, Serial No. 41,597
8 Claims. (Cl. 299—120)

1. In an atomizer, a plug adapted to be connected to a supply pipe at one end and having at the other end a conical whirling chamber with an outlet orifice at its outer end, a conical spindle in the chamber having its walls spaced away from the walls of the chamber and having its outer end in said orifice, and a plurality of channels in the plug at the base of the spindle with their center lines in a plane which is transverse to the center line of the plug, and with their outer ends communicating with the interior of the plug and their inner ends communicating with the inner end of said chamber, such passages lying at and discharging at a tangent to the base of the spindle so that the fluid passing through the passages flows into the chamber in a direction tangential thereof without impinging on the spindle.

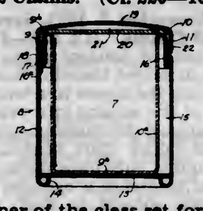


2,044,092
JAVELIN POINT
Robert H. Manseck, San Diego, Calif.
Application June 18, 1935, Serial No. 27,173
3 Claims. (Cl. 272—59)



1. In a javelin point, a main javelin point member with a tapering recess in its upper end, a tapering sleeve secured therein at its lower end, a tapering shaft supporting shell shiftably mounted on the upper end of said sleeve, a javelin shaft with a taperting lower end secured in the upper end of said supporting shell, and a compression spring interposed between the end of said shaft and the upper end of said sleeve.

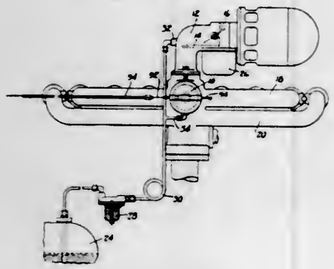
2,044,093
METALLIC CONTAINER
Wallace C. Mills, Rockford, Ill., assignor to J. L. Clark Manufacturing Co., Rockford, Ill., a corporation of Illinois
Application November 12, 1934, Serial No. 752,618
12 Claims. (Cl. 220—10)



1. A container of the class set forth comprising inner and outer shells having peripheral side

walls spaced apart to form a narrow annular air space between them, said inner shell having a wide flange formed integral with the upper end of its peripheral side wall and bent outwardly and downwardly to form an annular collar of substantial width and providing a neck for the container having a broad rounded upper end, said outer wall having an inwardly bent upper edge portion engaging snugly with the lower end of said collar and forming an upwardly facing annular shoulder at the outer side of the collar, and means at the lower end of the outer shell supporting the inner shell against downward movement relative to the outer wall and closing said annular air space.

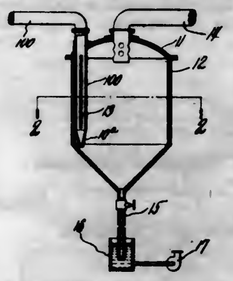
2,044,094
AUXILIARY CARBURATION FOR INTERNAL COMBUSTION ENGINES
Arlington Moore, New York, N. Y., assignor, by mesne assignments, to Maxmoor Corporation, New York, N. Y., a corporation of Delaware
Application May 4, 1932, Serial No. 609,114
19 Claims. (Cl. 123—119)



3. The hereindescribed method of supplying fuel to the intake conduit of internal combustion engines which comprises effecting the introduction of main fuel into the engine by the pressure differential on a constant level source of supply while replenishing the constant level source of supply by pumping fuel from a lower level, and under operating conditions productive of very low intake depression and in response to such lowered intake depression by-passing a portion of the fuel and delivering the same directly into the intake conduit by said pumping action.

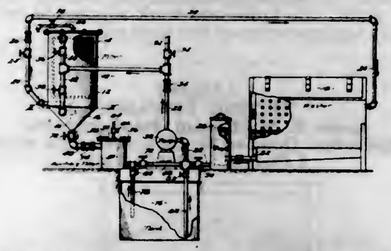
2,044,095
EVAPORATING PROCESS AND APPARATUS THEREFOR
Hugh K. Moore, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a corporation of Maine
Application November 3, 1933, Serial No. 696,546
10 Claims. (Cl. 159—17)

9. In a process of concentrating a liquor containing solids dissolved therein, those steps which comprise heating the liquor to a temperature such that flashing of the solvent into vapor takes place when it is exposed to subatmospheric pressure, delivering the liquor thus heated into a space maintained under subatmospheric pressure under conditions to create a cyclone in said space, thereby causing solvent to flash into vapor to constitute the center of said cyclone and concentration of the liquor at the periphery of said



cyclone, and removing the vapor from the center of the cyclone.

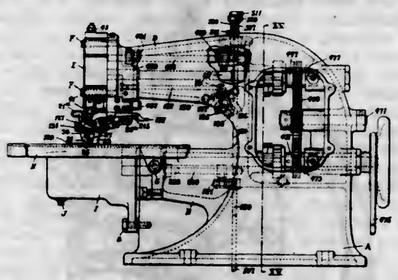
2,044,096
DRY CLEANING SYSTEM
Matthew F. Moran, Kansas City, Mo.
Application May 27, 1935, Serial No. 23,682
2 Claims. (Cl. 210—150)



1. Fluid treating apparatus for dry cleaning systems comprising a main filter casing having filter leaves therein with powdered absorbent material thereon; an auxiliary filter below the main filter for removing the spent inert material from the stream of fluid passing by gravity from the main filter to the auxiliary filter after the same has been removed from the filter leaves; a drain pipe interconnecting the bottom of the main filter and said auxiliary filter; and a pipe interconnecting the auxiliary filter and the main filter for returning the fluid to the main filter after passing through the auxiliary filter, said last mentioned pipe having branches extending therefrom in communication with the upper and lower portions respectively of the main filter casing whereby to direct the returned fluid against the filter leaves or into the absorbent material removed from said filter leaves to agitate the same, said last mentioned pipe having a pump in connection therewith to force the fluid from the auxiliary filter to the said main filter casing above the drain pipe, said branches each having a valve therein to selectively cause the fluid to enter the said casing of the main filter at the locations set forth.
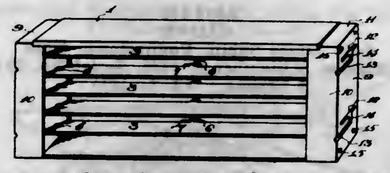
2,044,097
FOLDING MACHINE
Walter E. Naugler, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application August 17, 1932, Serial No. 629,181
71 Claims. (Cl. 12—54)

1. A machine of the class described having, in combination, means for feeding the work continuously, a folder, means for moving the folder across the line of feed movement of the edge of



the work to form a fold in the margin of the moving work, and means for pressing the fold.

2,044,098
VENTILATOR
Ernest J. Payne, Dallas, Tex.
Application May 14, 1934, Serial No. 725,551
1 Claim. (Cl. 98—99)

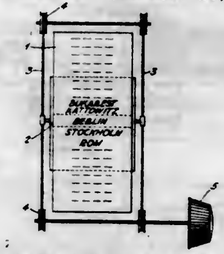


In a ventilator for sash windows and the like, the combination comprising a rectangular frame of a depth slightly greater than the thickness of the sash of said window and having spaced slats pivoted to either end thereof on their longitudinal axes whereby to be overlapping when closed, means disposed midway between the ends of said frame to hold said slats for collective movement, a pair of end members conformable to the ends of said frame having flanges of unequal width to conceal the ends of said slats, interiorly threaded bosses carried by the ends of said frame, screws receivable in said bosses for adjustably retaining said end members, said end members having parallel, interconnecting grooves impressed therein at angles relative to their vertical axes, corresponding to the plane of the sill of said window, means carried by the frame of said window and receivable in said grooves for holding said frame to a limited range of movement during adjustment thereof and means for securing said frame to the lower sash of said window.

2,044,099
TREATMENT OF LEATHER
Henry Alfred Piggott and George Stuart James White, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, Westminster, England
No Drawing. Application May 8, 1934, Serial No. 724,631. In Great Britain May 13, 1933
7 Claims. (Cl. 8—5)

1. The process which comprises treating leather in part with an aqueous solution of a salt chosen from the group consisting of quaternary ammonium, quaternary phosphonium, and sulfonium salts containing an aliphatic side chain having not less than ten carbon atoms, and dyeing the leather with an aqueous solution of a dyestuff.

2,044,100
INDICATOR
Rudolf Rechnitzer, Berlin, Germany, assignor to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application August 26, 1933, Serial No. 686,865
In Germany September 6, 1932
2 Claims. (Cl. 250—20)



1. Station indicating means for a radio receiving set, comprising a transparent screen containing a plurality of station names, a member arranged in back of said transparent screen, said member having an opening therein slightly larger than the space occupied by any one of said station names, means associated with the tuning dial of said radio receiving set for moving said member so that the opening therein may be caused to register with any one of said station names, a source of light mounted at the rear of said member for illuminating a station name on said transparent screen through the opening in said member, and means for energizing said source of light from the output circuit of the power stage of the radio receiving set during intervals when the received signal exceeds a certain critical value.

2,044,101
CEILING CONSTRUCTION
Herbert W. Reel, Hinsdale, Ill., assignor to The United States Gypsum Co., Chicago, Ill., a corporation of Illinois
Application January 8, 1931, Serial No. 507,317
7 Claims. (Cl. 72—68)

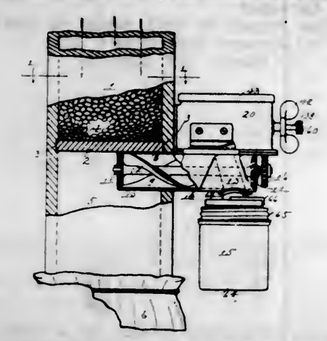


3. In a ceiling construction, the combination with a plurality of support bars in spaced, parallel relation, of a plurality of precast ceiling slabs arranged in a plane below said bars, each slab having a slot formed transversely across the upper surface thereof, a reinforcing loop bar embedded in said slab and having a loop extending adjacent said slot, and a hook connecting said loop to said support bar, said support bar being arranged to extend into said slot at the time said hook is connected to said loop.

2,044,102
GRAIN-SAMPLING MECHANISM
Ferry F. Rosewarne, Lowell, Mich.
Application October 4, 1934, Serial No. 746,824
6 Claims. (Cl. 73—21)

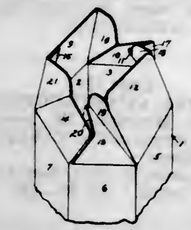
1. Mechanism for withdrawing samples of a mass of grain or the like passing through a dis-

charge spout, comprising: a chute for the samples having an inlet from the spout; a gate valve normally closing the spout and the chute and openable to permit the mass of the grain to pass outwardly through the spout and a less amount of



the grain as samples thereof to simultaneously pass outwardly through the chute; a conveyor for feeding the samples through the chute; means for initiating the operation of the conveyor by the opening movement of the valve.

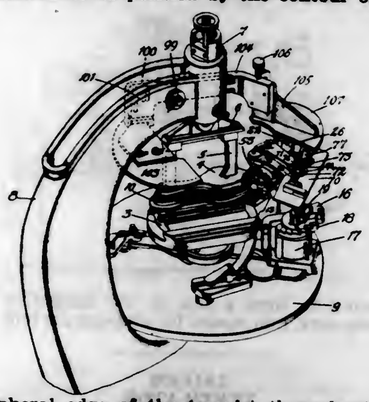
2,044,103
KNOCK-DOWN END CLOSING CARTON
Harry Rossi, New York, N. Y., assignor to Robert Gair Company, Inc., New York, N. Y., a corporation of Delaware
Application October 25, 1933, Serial No. 695,073
13 Claims. (Cl. 229—37)



1. A hexagonal carton of foldable material comprising six integral side-forming panels connected to form a body by a glue flap, two opposing side panels of said body having substantially rectangular closing panels foldably attached thereto, a second pair of opposing side panels having a triangular panel and triangular webs foldably connected together and a third set of opposing side panels having a substantially triangular panel and web foldably connected thereto, one of said last webs having a glue flap.

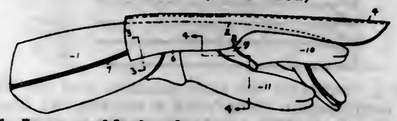
2,044,104
MACHINE FOR OPERATING UPON SOLES
Ernest E. Sabin, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application February 15, 1934, Serial No. 711,388
22 Claims. (Cl. 12—17)

1. A machine for operating on soles, having in combination, a sole support, a templet associated therewith, a knife carrier, the support and carrier being movable relatively to present the entire periphery of the sole to the knife, and a beveling knife mounted in the carrier to move toward or from a sole on the support and being controlled in its position by the contour of the



peripheral edge of the templet throughout the relative movement.

2,044,105
GLOVE
Levi James Sabin, Youngstown, Ohio
Application September 9, 1935, Serial No. 39,685
5 Claims. (Cl. 2—161)



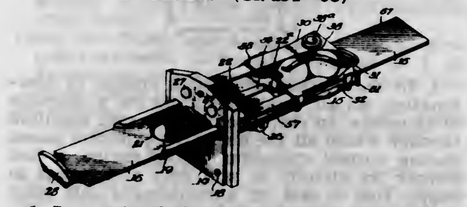
1. In a welder's glove comprising the usual back, palm, and cuff portions, a heat breaker comprising a piece of insulating material attached to the inside of said back portion and being substantially coextensive with said glove back, and a secondary back cover comprising a piece of material secured on the outer side of the back of the glove by inturned seams at both sides with the intermediate material free of the glove back.

2,044,106
BRIDGE PONTIC
Jacob R. Schwartz, Brooklyn, N. Y.
Application June 14, 1934, Serial No. 730,569
1 Claim. (Cl. 32—9)



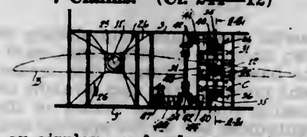
An artificial tooth comprising a backing and a tooth form, said form being provided with a pair of spaced recesses in its lingual surface at substantially the middle third thereof, one of the recesses being a substantially cylindrical bore located above the other recess and sloping upwardly toward the ridge saddle portion of the form, the bore extending deep into the body of the form, the other recess having a substantially rectangular configuration and being arranged transversely of the cylindrical bore, a vertical channel connecting the transverse recess and cylindrical bore, the channel and transverse recess having substantially the same depth and being relatively shallow with respect to the said bore, said backing being provided with an upwardly sloping post of a length substantially equal to that of the bore depth, a member arranged transversely of said backing and having a configuration substantially that of the transverse recess, and a vertical rib on the backing having thickness substantially equal to that of the channel, the vertical, incisal and gingival edges of the lingual surface of the form being bevelled, said backing being provided with protective edges projecting a sufficient distance from the backing face to completely contact with said bevelled edges, said transverse member and vertical rib projecting from said backing a distance substantially equal to the projection distance of said protective edges, and said post, transverse member and rib being adapted to register with the bore, transverse recess and channel respectively when said form is united with the backing.

2,044,107
COIN CHUTE
William C. Shinn, Chicago, Ill., assignor to Chicago Lock Company, Chicago, Ill., a corporation of Illinois
Application November 16, 1934, Serial No. 753,269
11 Claims. (Cl. 194—98)



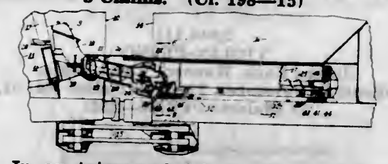
1. In a coin chute of the character described, the combination of an elongated horizontally extending guide, a plate disposed over the rear end of the guide and having an inclined, coin observing track in the top face thereof, an elongated horizontally extending slide provided at its front end with a coin aperture and mounted on the guide to slide rearwardly between the guide and the plate from a coin receiving position to a position wherein the coin aperture therein passes under the plate and then to slide back again, and means for directing a coin in the aperture upwards onto the track during rearward shift of the slide with respect to the guide.

2,044,108
AIRPLANE
Rex W. Sinquefield, St. Louis, Mo., assignor of one-half to Ernest M. Crosby, St. Louis, Mo.
Application September 5, 1933, Serial No. 688,159
7 Claims. (Cl. 244—12)



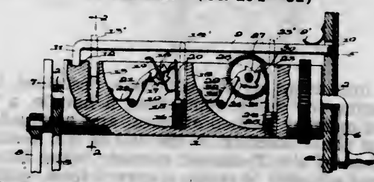
1. In an airplane, a fuselage, a pair of sustaining wings each including front and rear spars oppositely extending laterally outwardly from the fuselage, extensions presented inwardly from and aligning with the respective wing-spars, the extensions of the spars of one wing aligning with and being rigidly joined to the extensions of the respective spars of the other wing, bearings on the fuselage for supporting the joined front spar-extensions for wing oscillation, and means for oscillating the wings in unison for varying the angle of incidence, said means including opposed jack-screws supported in vertical alignment upon opposite sides of, and having opposed end-engagement with, the joined rear spar-extensions.

2,044,109
LOCOMOTIVE STOKER
Herbert W. Snyder, Lima, Ohio, assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application December 29, 1933, Serial No. 704,417
5 Claims. (Cl. 198—15)



1. In an intercoupled locomotive and tender, said locomotive being provided with a firebox and said tender having a fuel bin, a stoker transferring fuel from said bin to the locomotive firebox comprising a conduit system including a trough section mounted on the tender beneath said bin, a conduit section rigidly secured to the locomotive communicating with the firebox, a telescopically arranged intermediate conduit section flexibly connecting the adjacent ends of the trough and the rigidly secured conduit section, a flexibly related sectional screw conveyor mounted in said conduit system, a bearing at the rear of and formed with said trough, the rearward end of said sectional screw conveyor being journaled in said bearing, and means for adjustably securing said trough rigidly in any one of a number of positions longitudinally of the tender whereby the forward end of the screw conveyor may be brought to a predetermined position in the conduit system, said means including a plurality of upstanding longitudinally extending corrugated members rigidly secured with the tender frame, said corrugated members being provided with elongated horizontal slots, members for supporting the trough from the tender frame, said support members carrying means extending through said elongated slots, said means carrying corrugated washers arranged for engagement with said corrugated members and means holding said corrugated members and washers in engagement for rigidly securing the trough in its adjusted position.

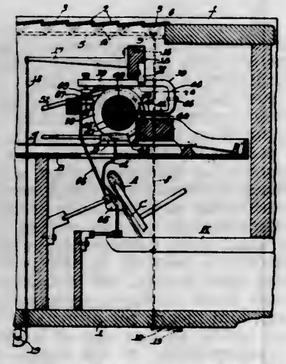
2,044,110
MULTIPLE UNIVERSAL VENDING MACHINE FOR VENDING SOLID AND LIQUID BODIES
Charles Walker, Knoxville, Tenn.
Application April 4, 1933, Serial No. 664,365
9 Claims. (Cl. 194—61)



3. In a coin controlled mechanism for vending machines including a rotary member, means for rotating the same, a coin recess in said rotary

member and a pivoted lever engageable by said coin for controlling the operation of a vending device, means for preventing the displacement of a coin from said recess during a predetermined number of rotations of said rotary member, comprising a ratchet rotatably mounted in said rotary member and carrying a plurality of resilient projections adapted to successively exert a pressure against said coin to retain the same in said recess, a pawl member associated with said ratchet and operable by the rotation of said rotary member to intermittently cause the partial rotation of said ratchet, whereby said resilient projections are successively brought into and out of operative position.

2,044,111
VIOLIN-PIANO
James Luck Warner, Tulsa, Okla.
Application November 22, 1935, Serial No. 51,143
12 Claims. (Cl. 84—256)



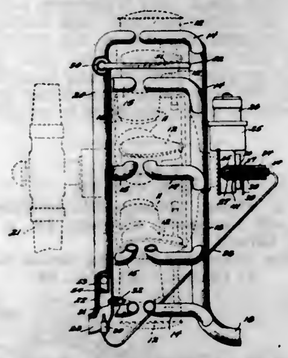
1. In a violin piano the combination with a sounding string, and a lever, of a motor driven bowing roller, a taut cord connected to the string and lever, a contact piece carried by the lever, and a key operated means for shifting the lever into position for vibrating the cord from the bowing roller.

2,044,112
MASSAGE IMPLEMENT
Edward T. Widmann, Washington, D. C.
Application October 4, 1934, Serial No. 746,911
1 Claim. (Cl. 128—67)



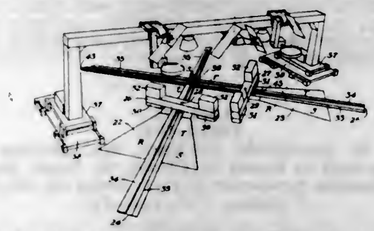
An implement of the structure described for massaging the gums, comprising a handle, a T-shaped member formed of metal and having the stem of the T inserted in the end of the handle, the head of the T-shaped member being bendable and adapted to retain a curved form, and a body of rubber enclosing the head of the T-shaped member and having rounded ends, whereby when said T-shaped member and rubber are suitably curved both the upper and lower gums of the user either outside or inside may be massaged at the same time or separately.

2,044,113
INTERNAL COMBUSTION ENGINE
Lionel M. Woolson, deceased, late of Detroit, Mich., by Emma F. Woolson, executrix, Bloomfield Village, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application August 28, 1930, Serial No. 478,460
7 Claims. (Cl. 123—179)



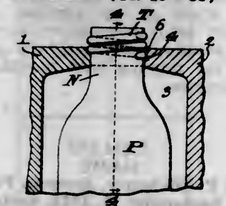
1. In an internal combustion engine, in combination, an air intake manifold for a plurality of cylinders, an entrance duct for said manifold through which all the air to the cylinders passes during normal operation of the engine, a fuel burner jet directly in said duct and means to supply fuel to said jet automatically only prior to and during cranking of said engine.

2,044,114
PLOTTING MACHINE AND PROCESS OF MAKING MAPS WITH AERIAL PHOTOGRAPHS
James Warren Bagley, Fayetteville, Tenn.
Application July 11, 1934, Serial No. 734,686
7 Claims. (Cl. 33—20)



1. An aerial photograph map plotting machine having two or more pivoted arms, each of the said arms having a straight line scribed on a transparent material, the said straight line prolonged passing through the center of the pivot, and a longitudinal slot on the opposite side of the pivot, the said scribed line and the center line of the said longitudinal slot being in a common vertical plane, and a travelling pencil carriage which holds a pencil erect and in contact with a map sheet, the said pencil carriage being engaged and held erect in the said longitudinal slots and moved about over the map sheet by the arms of the said plotting machine.

2,044,115
MEANS FOR PRODUCING A NECK FINISH WITH A THREAD HANG-UP
Norman R. Beck, Baltimore, Md., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application May 9, 1935, Serial No. 20,657
1 Claim. (Cl. 49—69)

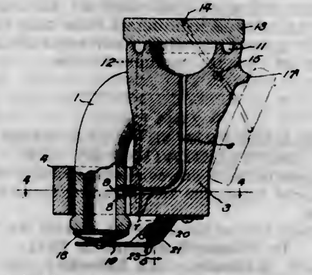


A blow mold for a glass forming machine having a neck opening with an enlarged upper end portion, and a helical shoulder at the bottom of the enlarged portion of the opening, said shoulder being pitched to correspond with the pitch of the lower convolution of a threaded neck finish and providing a seat for said convolution.

2,044,116
PROCESS FOR THE SEPARATION OF CARBONIC ACID FROM GASES CONTAINING THE SAME
Ernst Hackhofer and Annemarie Beuther, Krefeld-Uerdingen, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application March 23, 1933, Serial No. 662,388. In Germany April 12, 1932
8 Claims. (Cl. 23—150)

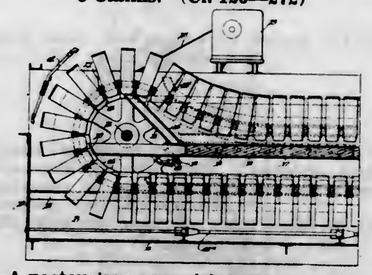
1. Process for the separation of carbonic acid from gases by reacting with a solution of an alkali metal monochromate under superatmospheric pressure at elevated temperature on a gas mixture comprising carbonic acid which gas mixture is free from constituents which exert a reducing action on said alkali metal monochromate under the reaction conditions and liberating the absorbed carbonic acid by reducing the pressure.

2,044,117
DRINKING ATTACHMENT FOR PUMPS
William Heckart, Bradner, Ohio
Application November 19, 1934, Serial No. 753,763
2 Claims. (Cl. 299—8)



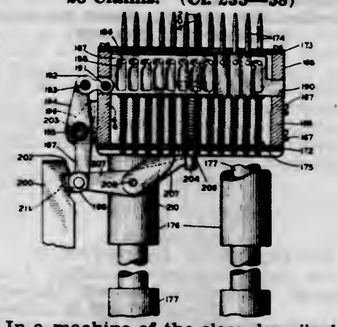
2. A drinking attachment for pumps including a body having a lateral ring adapted for removably engaging the end of a pump spout, means retaining the body and ring on the spout, a coupling tube connecting the ring and body with the spout through an opening formed in the spout, said body being formed with a cup, and a passage connecting said cup with the coupling, a valve connected with the ring and having a disk removably engageable within the end of the spout, and a lever connected with the valve and adapted for shifting the disk and permitting flow from the spout, said valve cooperating with the spout for diverting water in the spout to the body and cup when the valve is in closed position.

2,044,118
PASTEURIZER
George John Huntley, Baltimore, and Robert James Stewart, Catonsville, Md., assignors to Crown Cork & Seal Company, Inc., Baltimore, Md., a corporation of New York
Application February 6, 1932, Serial No. 591,430
8 Claims. (Cl. 126—272)



1. A pasteurizer comprising superposed cooling and heating chambers, a conveyor for moving containers therethrough, said conveyor having receptacles fixed thereto for supporting the containers, the said receptacles having one position while travelling through one of said chambers and a reversed postion while travelling in the other chamber, conveyor sprockets at the ends of the chambers, and means on said receptacles engaging each other while the receptacles are moving over the sprockets for taking up thrust incident to the change of position of the receptacles.

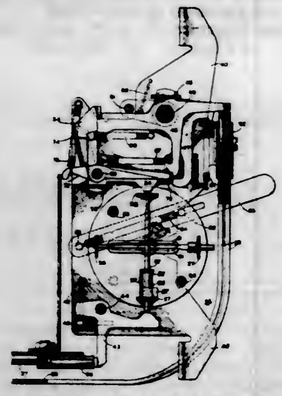
2,044,119
TABULATING MACHINE
William W. Lasker, Brooklyn, N. Y., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application May 19, 1931, Serial No. 538,429
In Germany March 21, 1931
28 Claims. (Cl. 235—58)



24. In a machine of the class described, a record card sensing mechanism comprising a set of reciprocatory spring-pressed pins, a second set of reciprocatory spring-pressed pins individually advanced by selected pins of the first set entering card perforations, means for latching the second pins in advanced position, means for momentarily

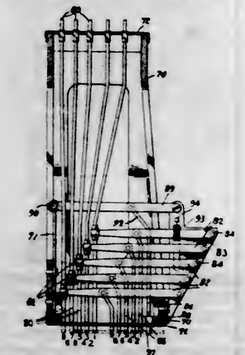
releasing the latched pins while the first pins are approximately at their limit of operative movement, and means actuated by either advance or return movement of a second pin for effecting machine control.

2,044,120
SORTING MACHINE
William W. Lasker, Brooklyn, N. Y., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application June 30, 1931, Serial No. 547,822
29 Claims. (Cl. 209—110)



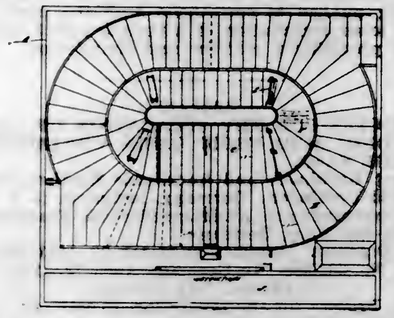
1. In a machine of the class described, means for sensing data upon records made in accordance with a plurality of codes, an oscillatable assembly comprising an interpreting device including dual sets of elements operable by said data sensing means for interpreting sensed data in accordance with any of the said plurality of codes, card gates controlled by said interpreting device, and manual means for alternatively setting said oscillatable assembly to bring one or the other of said dual sets of elements into operative position.

2,044,121
TABULATING MACHINE
William W. Lasker, Brooklyn, N. Y., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application July 20, 1931, Serial No. 551,861
4 Claims. (Cl. 235—58)



2. In a machine of the class described, a plurality of sets of sensing pins and a single actuating sector controllable by either of said sets, interpreter wires intermediate one of said sets of sensing pins and said actuator, means movable relative to said interpreter wires capable of cooperation therewith and also with said other set of sensing pins whereby said actuating sector may be controlled by one set of pins through said interpreter wires or by another set of pins through both said interpreter wires and said means, and means responsive to a special record perforation for moving said movable means to ineffective position.

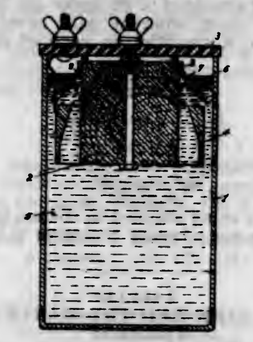
2,044,122
GAME
Charles P. Michener, Severna Park, Md.
Application September 11, 1934, Serial No. 743,578
2 Claims. (Cl. 273—134)



1. In combination with a game board and a colored playing piece movable thereover, a chance device for controlling the movement of said playing piece comprising a cube having all the faces thereof identically colored to correspond with the color of the game piece and having on each face thereof indicia indicating the distance which the playing piece is to be moved over the board, an un-numbered cube, each face thereof having a different color and one face thereof having a color similar to the color of the numbered cube, whereby when the numbered and un-numbered cubes are simultaneously rolled, the distance indicated on the upturned face of the colored numbered cube may be voided by the upturning of the correspondingly colored face of the un-numbered cube.

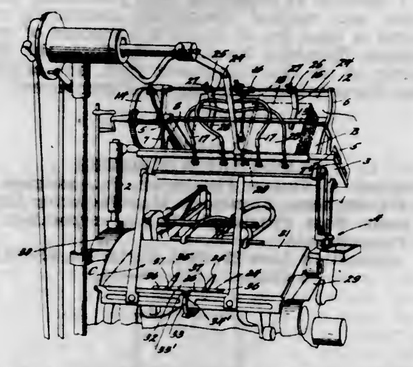
2,044,123
ALKALI PRIMARY CELL WITH DEPOLARIZATION BY AIR
René Oppenheim, Gennevilliers, France, assignor to Societe Anonyme Le Carbone, Gennevilliers, France
Application December 21, 1934, Serial No. 758,697
In France November 3, 1934
3 Claims. (Cl. 136—86)

1. In primary cells, an alkali electrolyte, a porous electrode depolarized by air, said electrode being immersed in the electrolyte and extending above the surface thereof, a protecting member fitted in a fluid-tight manner on the porous electrode above the electrolyte, the said protecting member flaring downwardly and its lower part being immersed in the electrolyte, and a layer of oil on said electrolyte, said layer of oil being in



contact with the protecting member and out of contact with the porous electrode.

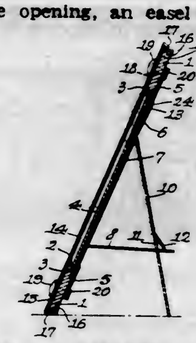
2,044,124
ATTACHMENT FOR MULTIPLE PRINTING
Horace M. Rantin, Atlanta, Ga.
Application January 22, 1935, Serial No. 2,954
2 Claims. (Cl. 271—62)



1. The combination with a Kluge printing press feeder having a base plate, slide members carried by the plate and formed with upwardly projecting portions connected by an elevator arm shaft, an elevator plate movable over the base plate, and an elevator adjusting arm engageable with a stack of stock, of a divider plate mounted centrally of the base plate and secured thereto, said elevator plate being formed with a slot through which extends said divider, a stack engaging finger adjustably mounted on said elevator arm shaft on opposite sides of the elevator adjusting arm, and adapted to engage a respective stack of stock, whereby sheets may be fed simultaneously from stacks separated by said divider.

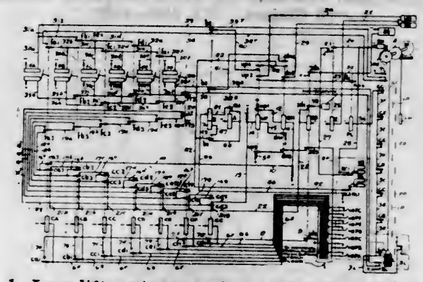
2,044,125
PICTURE FRAME
Albert Lemuel Shaw, Corinne, Utah
Application September 11, 1935, Serial No. 40,168
4 Claims. (Cl. 40—152)

4. A picture frame including a transparent cover, a body back of the cover for holding a picture in position to be displayed through the cover, said body having an opening back of the picture, means for coating the edges of the cover and body to seal the same, a hingedly mounted panel for closing the opening, an easel carried by said



hinged panel, and means for sealing the hinged panel in the opening in the body.

2,044,126
LIFT
Norman Carol Smart, Binley, near Coventry, and Benjamin Francis Moss, Coventry, England, assignors to The General Electric Company Limited, London, England
Application September 28, 1934, Serial No. 745,884
In Great Britain October 5, 1933
6 Claims. (Cl. 187—29)

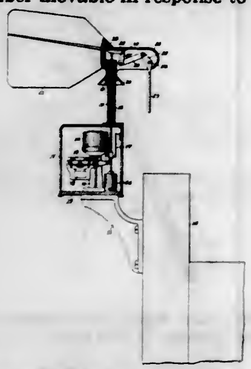


1. In a lift system serving a plurality of floors, up and down direction relays, a plurality of floor push button circuit connections arranged to operate said relays for prearranging the system for the respective up and down movements of the lift, control circuits interconnected by a plurality of contactors, a chain of two-position counting relays for operating the contactors in said circuits so as to arrange the circuits for controlling operation of the respective up and down relays according to the position of the lift and the direction of travel to the floor required and current impulse means arranged to be operated by the lift in passing from floor to floor for operating the counting relays in succession to thereby change the arrangement of said circuit connections according to the floors passed.

2,044,127
CONTROL BY INTEGRATION
Hazor J. Smith, Springfield, Mass., assignor to Superstat Company, Springfield, Mass., a corporation of Massachusetts
Application February 17, 1933, Serial No. 657,237
13 Claims. (Cl. 236—91)

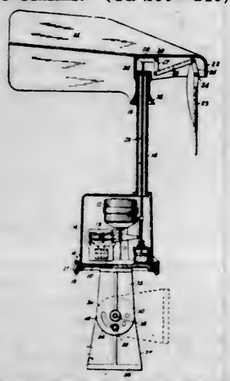
4. A condition-control system comprising a differential having a pair of beveled gears and a pinion, motor means for actuating the respective beveled gears, control means associated with said pinion, independent thermostatic means

adapted to actuate the respective motor means, and a member movable in response to wind pres-



sures thereon adapted to modify the operation of one of said thermostatic means.

2,044,128
WEATHER INTEGRATOR
Hasor J. Smith, Springfield, Mass., assignor to Superstat Company, Springfield, Mass., a corporation of Massachusetts
Application February 24, 1933, Serial No. 658,382
20 Claims. (Cl. 200—140)



1. A weather integrator comprising a thermostatic element and means to protect said thermostatic element from the weather and to modify the action of said thermostatic element due to the effect of radiant heat from the sun's rays, said means comprising a metal housing sufficiently thick to absorb radiant heat from the sun's rays and to retain a portion of the heat thus absorbed which is proportional to the heating effect of the sun's rays and to transfer said portion to said thermostatic element to modify the action thereof so as to compensate for the effect of sunlight and to dissipate the balance of the absorbed heat to the surrounding air.

2,044,129
CAN COVER REMOVER
Frank R. Soukup, Long Beach, Calif.
Application October 29, 1934, Serial No. 750,514
3 Claims. (Cl. 81—3.1)

1. A can cover remover comprising a pair of integrally formed arms, an arcuate tooth on the outer end of each of said arms, each tooth being bent downwardly from an arm, said teeth being adapted and arranged to fit under the outer edge of the can cover whereby said cover may be engaged, and a shoulder on each of said arms,



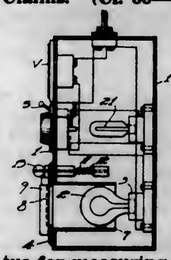
said shoulder being adapted to engage the bottom of the can cover whereby the cover is finally removed.

2,044,130
TEXTILE YARN AND THE MANUFACTURE THEREOF
Percy Frederick Combe Sowter, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application January 26, 1934, Serial No. 708,404
In Great Britain February 15, 1933
12 Claims. (Cl. 117—34.5)



1. Method of producing yarn resembling spun yarn, said method comprising associating two yarns at least one of which is composed of continuous filaments, breaking into fibres the filaments of the one component yarn, and causing said fibres to surround the other component.

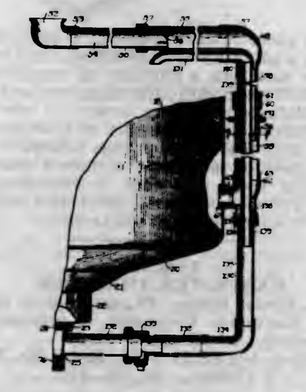
2,044,131
TRANSPARENCY METER
Stephen A. Staege, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application June 27, 1933, Serial No. 677,864
4 Claims. (Cl. 88—14)



1. In apparatus for measuring the light transmission characteristics of a web, a first enclosure having a light transmitting aperture therein for supplying light to an area of the web, a source of light in said enclosure, said enclosure having light-absorbent internal surfaces and having parts arranged to exclude external light from said area, a second enclosure having a light-receiving aperture therein registering with said first-mentioned aperture, a light-responsive element in said second enclosure, said second enclosure having non-absorbent internal surfaces and having parts arranged to exclude external light, said enclosures having matched surfaces surrounding said apertures for engaging said web, guide means mechanically connecting said enclosures for insuring rectilinear movement thereof into registering engagement, and means for biasing said enclosures into engagement with said

web, whereby the degree of illumination of said area from said source is substantially independent of the color or surface finish of said web and said light-responsive element is illuminated to a maximum degree for a given amount of light transmitted through said web.

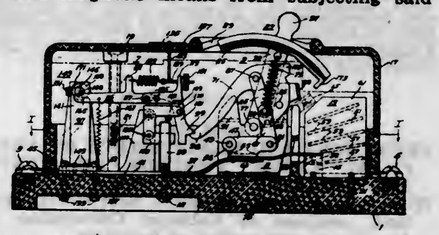
2,044,132
DISHWASHING MACHINE
Edgar S. Stoddard, Berwyn, Ill., assignor to The Conover Company, Chicago, Ill., a corporation of Illinois
Application March 3, 1932, Serial No. 596,427
6 Claims. (Cl. 137—21)



1. In a dishwashing machine, a tank, an inlet conduit communicating with the side of the tank, an outlet conduit communicating with the lower portion of the tank, a T having its horizontal arm connected to said inlet conduit and its lower arm communicating with the outlet conduit, a lower vertical inlet conduit communicating with the upper arm of said T, a vertical drain tube slidably and rotatably mounted in the lower arm of said T, said drain tube extending upwardly concentric to said inlet conduit, a vertical sliding inlet conduit mounted in said lower vertical inlet tube conduit, a double elbow connected to the upper ends of said slidable inlet conduit and said slidable drain tube, said elbow having horizontal ports for each of said slidable tubes, and separate horizontal conduits communicating with each of said ports.

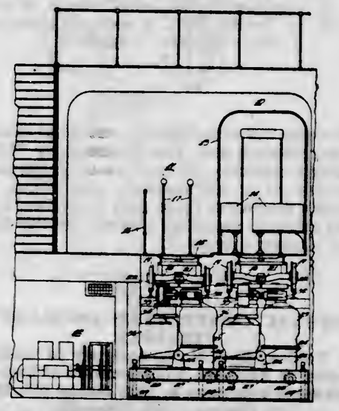
2,044,133
CIRCUIT BREAKER
Joseph Stoik, Sachsenhausen-in-Mark, and Josef Hanke and Gottlob Lux, Berlin-Charlottenburg, and Richard Logstädt, Berlin-Schoneberg, Germany, assignors to Westinghouse Electric and Manufacturing Company, a corporation of Pennsylvania
Application October 14, 1932, Serial No. 637,764
In Germany October 17, 1931
19 Claims. (Cl. 200—88)

1. In electrical apparatus, an armature, magnetic means for attracting said armature, means biasing said armature away from said attracting means, electro-responsive means operable to permit said attracting means to move said armature without overcoming more than a fraction of the force normally exerted by said biasing means, and means for preventing the movement of said armature in response to the attraction of said magnetic means from subjecting said



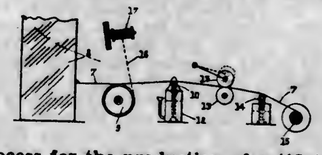
electro-responsive means to any substantial mechanical stress.

2,044,134
TRANSPORTATION APPARATUS
Norman W. Storer, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 29, 1932, Serial No. 640,161
18 Claims. (Cl. 104—25)



1. In a transportation system, in combination, a continuous mobile platform, a plurality of stationary motors disposed underneath the platform for propelling it, frictional means for transmitting the energy of the motors to the platform, and fluid-pressure means for varying the pressure on the frictional means.

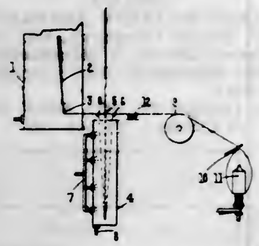
2,044,135
PRODUCTION OF ARTIFICIAL TEXTILE MATERIALS
William Ivan Taylor, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application November 11, 1929, Serial No. 406,356
In Great Britain November 21, 1928
4 Claims. (Cl. 18—54)



1. Process for the production of artificial textile materials comprising applying a solvent or softener to a plurality of artificial filaments so as

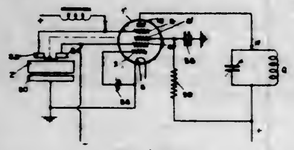
to enable the filaments to adhere to each other and submitting the filaments while in mutually parallel relation to the action of pressure in such a manner as to form a crinkled product of flattened eross section.

2,044,136
TREATMENT AND MANUFACTURE OF ARTIFICIAL YARNS, THREADS, FILAMENTS, AND THE LIKE
William Ivan Taylor, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application October 13, 1932, Serial No. 637,585
In Great Britain November 7, 1931
7 Claims. (Cl. 18—54)



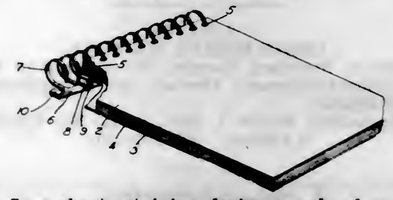
1. Process for conditioning artificial filaments, threads, ribbons and like filamentary materials containing organic derivatives of cellulose, and which are in a substantially dry state, which comprises removing from said materials residual volatile solvent, dissolved therein, by the application of steam thereto.

2,044,137
CRYSTAL CONTROLLED OSCILLATOR CIRCUITS
Harry Tunick, Rye, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 6, 1932, Serial No. 591,365
3 Claims. (Cl. 250—36)



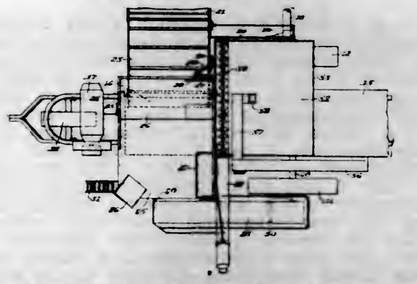
1. Oscillatory apparatus comprising an electron discharge device having an anode, a cathode, a control grid and a screen grid, a piezo-electric crystal, an electrode for said crystal connected to said cathode, an electrode for said crystal connected to said control grid, and another electrode for said crystal connected to said screen grid, means for preventing capacitive coupling between the electrodes for said crystal and between the connections for said crystal and between said screen grid and control grid, said system as so far described setting up oscillations corresponding in frequency to a natural frequency of said piezo-electric crystal, and means comprising an anode of said electron discharge device for deriving oscilatory energy from said system, said anode being coupled to said system only through said electron stream within said electron discharge device.

2,044,138
SHEET RETAINING DEVICE
Paul O. Unger, Glen Ellyn, Ill., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application February 14, 1934, Serial No. 711,095
5 Claims. (Cl. 281—25)



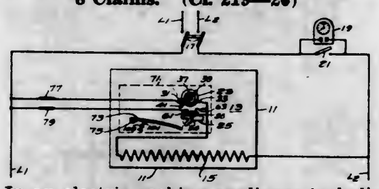
4. In a sheet retaining device, a pair of cover members, a plurality of sheets positioned between said cover members, a plurality of completely enclosed apertures in said cover members and sheets, a metal plate permanently secured to one of said cover members, and a plurality of prongs extending from said plate, said prongs passing through the apertures of said cover members and sheets and having their free ends permanently positioned between said metal plate and the cover member to which the plate is secured.

2,044,139
HARVESTER-THRESHER
Albert B. Welty, Moline, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application August 20, 1934, Serial No. 740,610
2 Claims. (Cl. 56—122)



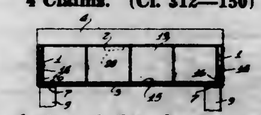
1. A harvester thresher embodying a longitudinal thresher body having a feeder house at its forward end, a transversely disposed harvester for cutting and feeding grain into the feeder house through an opening formed in the grainward side thereof, said body having a longitudinally inclined roof portion with its lower end terminating at the rear end of the feeder housing, a grain tank having an inclined bottom carried on the body above the said inclined roof portion, said tank overhanging the grainward side of the body and having a front wall disposed transversely at the rear end of the feeder housing, an operator's deck carried on the feed housing in advance of the tank and at a level to enable an operator standing thereon to look over the front wall of the tank and thereinto to inspect the contents thereof, a bagger's platform carried on the feeder housing in communication with the aforementioned deck, said platform being disposed in advance of the tank and overhanging the stubbleward side of the feed housing, an inclined longitudinal bag chute adjacent the stubbleward side of the platform with its front upper end carried adjacent the platform and its low end carried adjacent the body laterally of and below the tank, and a transversely disposed tank unloader having a normal position disposed stubblewardly over the bag chute.

2,044,140
RANGE CONTROL SYSTEM
Floyd S. Wheeler, Alexandria, Va., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 30, 1934, Serial No. 718,278
8 Claims. (Cl. 219—20)



1. In an electric cooking appliance including a cooking chamber and a heating element therefor, means for controlling the energization of the heating element to obtain a momentary peak temperature and then a lower maintained temperature in the cooking chamber, said means including a pair of parallel-connected switches individually controlling the energization of the heating element and a single thermally-actuable element movable in response to variations in the chamber temperature operatively mechanically shifting the two switches in predetermined sequence to first open one of said switches at substantially the maintained temperature value and to then open the second switch at substantially the peak temperature value and thereafter to operatively mechanically shift the first switch to close and open the same to thereby intermittently sequentially energize and deenergize the heating element to maintain a substantially constant average temperature in the cooking chamber.

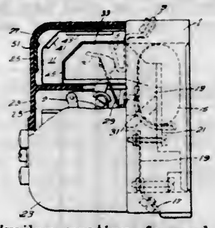
2,044,141
STAMP DISPLAY AND VENDING DEVICE
Roy R. Williams, Detroit, Mich.
Application October 22, 1934, Serial No. 749,494
4 Claims. (Cl. 312—150)



1. In a device of the character described, a cabinet having a flexible wall, a drawer slidably received in said cabinet, and a projecting element on said flexible wall and adapted to be engaged by a wall of said drawer to limit movement thereof, said projecting element being of a length less than the width of said cabinet whereby it is adapted to be moved out of the path of said drawer wall by flexing of said flexible wall.

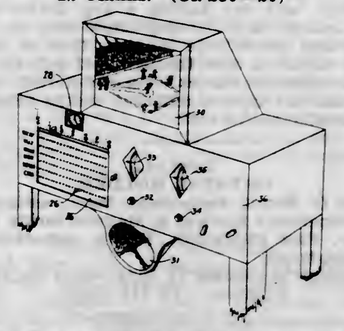
2,044,142
CIRCUIT INTERRUPTER
Kurt Wulsten, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application February 23, 1934, Serial No. 712,535
In Germany February 25, 1933
7 Claims. (Cl. 200—168)

7. In a device for extinguishing electrical arcs, means of insulating material for defining the walls of an arcing chamber which is normally open on not more than one of its sides, said means including two substantially symmetrical half sections of molded insulating material, each of which has a portion adapted to overlappingly



engage a similar portion formed integral with the other section so as to form a substantially gas-tight joint, and means for defining vent slots in said arcing chamber, said vent slots being spaced some distance from said gas-tight joints.

2,044,143
AUTOMATIC SELECTION DEVICE
John W. Armbruster, East Rockaway, N. Y.
Application October 1, 1930, Serial No. 485,625
12 Claims. (Cl. 250—20)

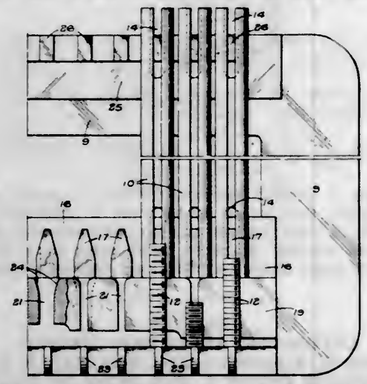


9. In a radio tuning device, station selecting devices, a cabinet enclosing said devices, clock controlled mechanism for automatically operating said selecting devices, a series of pawls for controlling said mechanism, said pawls being arranged in rows and columns, a stationary frame for holding said pawls adjacent the cabinet, a row for each station and a column for each interval of time of station selection, and means for adjusting said pawls to operative position and thereby disclosing coincidingly arranged openings in the cabinet through which visual indications are displayed of the stations and times selected.

2,044,144
TYPE RACK
Joshua Bailey, West Bromwich, England
Application February 14, 1935, Serial No. 6,476
In Great Britain February 22, 1934
9 Claims. (Cl. 276—45)

1. A type rack including a supporting frame, a supporting bar along the lower side of said frame, a plurality of delivery chutes arranged in spaced parallel relationship along said bar, each of said chutes being open at each end, a plurality of dovetailed projections on said bar, each of said projections being disposed in alignment with the open upper end of one of said delivery chutes, a plurality of detachable type carriers, each of

said carriers being of slotted tubular form and having at its lower end a slot the edges of said slot being engageable with the dovetailed edges of one of said projections to locate said carrier in alignment with a delivery chute, a plurality of rigid stop projections on said bar disposed beneath the lower end of each of said delivery

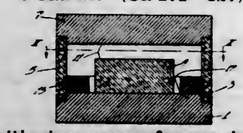


chutes to prevent type leaving said chute inadvertently, said bar having a gap between the lower end of each delivery chute and its associated stop projections enabling type to be removed one at a time through said gap and the gaps for different chutes being of different depths to permit the type of different widths being accommodated on the rack.

2,044,145
CRYSTAL HOLDER

Joseph G. Beard, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application September 18, 1934, Serial No. 744,527
6 Claims. (Cl. 171—327)



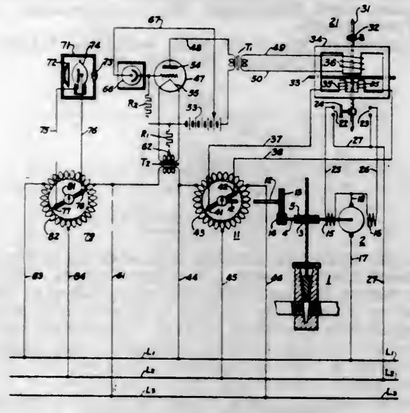
6. A positioning means for use in positioning a crystal, said means comprising a pair of electrodes and a spacer therebetween comprising an element of insulating material having an opening therethrough for the reception of a crystal, said opening being of an area substantially greater than the area of said crystal, spacing means disposed around the periphery of said opening at widely separated locations, said points being so located as to provide contact of linear nature with said crystal during operation, the direction line of said contacts lying substantially in planes which are normal to the line connecting the centers of said electrodes.

2,044,146
CONTROL SYSTEM

Henry L. Bernarde, Kearny, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application January 25, 1933, Serial No. 653,495
7 Claims. (Cl. 250—41.5)

1. In apparatus for controlling the position of a movable element, an alternating-current source, means for producing a periodically pulsating light flux of frequency dependent upon that of said source, a primary element operable to vary the phase position of said light flux through a graduated angular range as compared to said source, means including a photoelectric device subject to said light flux for producing current pulsations having a phase position dependent upon said

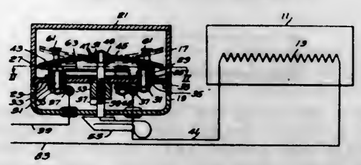


phase position of said light flux, an alternating current device for controlling said movable element, said device including a pair of cooperating windings, means for energizing one of said windings from said alternating-current source, and means for energizing the other of said windings in accordance with said pulsations.

2,044,147
REMOTE CONTROL THERMOSTAT

Edward Bletz, Lexington, Ohio, assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application June 27, 1934, Serial No. 732,699
6 Claims. (Cl. 200—122)

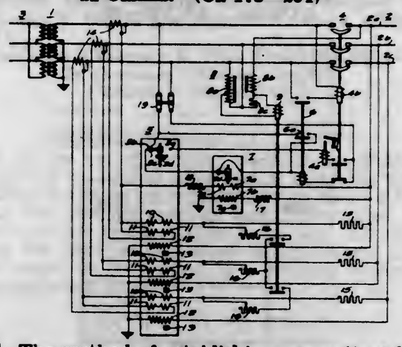


4. In a temperature control system for an electrical device having a heating element, said system including a thermally-actuable switch controlling the circuit of the heating element and comprising a snap-acting bimetal disk disposed to operate to off and on positions, a support for the disk and means cooperating with the disk to adjust the temperature differential between its off and its on positions, an auxiliary heater energized concurrently and in accordance with the energization of the heating element and located in heat-transferring relation to the snap-acting bimetal disk and capable of heating said disk to a certain temperature, and manual means for moving the disk support to cause opening and closing movements thereof irrespective of the temperature conditions of the disk.

2,044,148
NETWORK PROTECTOR

Myron A. Bostwick, North Arlington, N. J., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania

Application March 22, 1934, Serial No. 716,819
11 Claims. (Cl. 175—294)

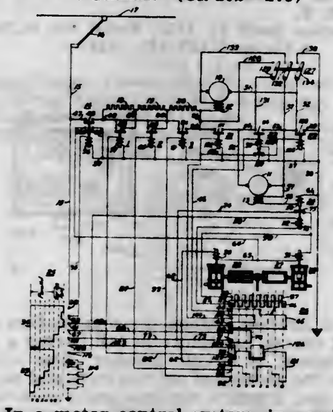


1. The method of establishing connections between a pair of polyphase alternating-current circuits of the same number of phases, which comprises producing an effect dependent upon a polyphase system of voltages having the same vector dimensions as the polyphase voltages of said circuits and including at least one voltage derived from each of said circuits, and connecting said circuits when said effect corresponds to a normal polyphase relationship of said system of voltages.

2,044,149
AUTOMATIC CONTROL SYSTEM

Ralph R. Brooks and Norman H. Willby, Wilkinsburg, and Bascum O. Austin, Forest Hills, Pa., assignors to Westinghouse Electric and Manufacturing Company, a corporation of Pennsylvania

Application October 29, 1930, Serial No. 491,956
7 Claims. (Cl. 172—179)

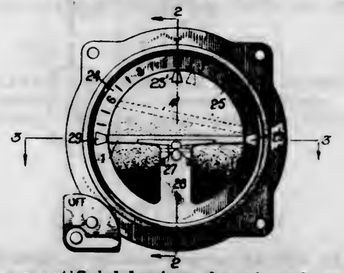


1. In a motor-control system, in combination, a motor, a source of power for the motor, a plurality of resistor sections to control the current supplied the motor, a plurality of accelerating switches for shunting the resistor sections to accelerate the motor step-by-step, a sequence switch for controlling the operation of the accelerating switches, a relay responsive to the current flowing in the motor for controlling the actuation of the sequence switch, and means associated with the sequence switch and cooperating with said relay to vary the current required to actuate said relay between each step of acceleration of the motor.

2,044,150
ARTIFICIAL HORIZON

Bert G. Carlson, Queens Village, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application May 4, 1932, Serial No. 609,195
8 Claims. (Cl. 33—204)

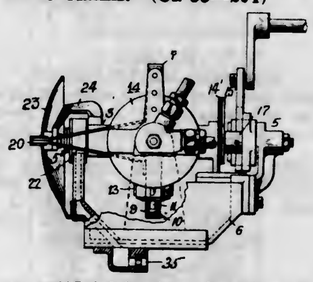


6. In an artificial horizon for aircraft, a universally mounted, normally horizontal indicating member representing the horizon, means for causing the same to move in the same direction as the real horizon appears to move on both tilting and pitching of the craft, graduated means for showing the degree of tilt of said member, and separate graduated means for showing the degree of pitch of said member.

2,044,151
ARTIFICIAL HORIZON

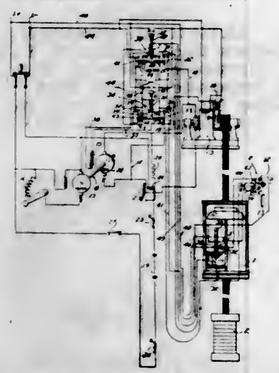
Elmer A. Sperry, Jr., Brooklyn, Bert G. Carlson, Bellerose, and Mortimer F. Bates, Brooklyn, N. Y., assignors to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York

Application January 16, 1935, Serial No. 2,048
In Great Britain August 15, 1933
6 Claims. (Cl. 33—204)



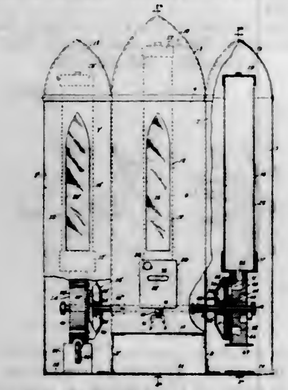
4. In an artificial horizon for aircraft, a universally mounted gyroscope adapted to be mounted in front of the aviator, a normally horizontal indicator representing the aircraft at the face of the horizon, and stabilized against pitching only by said gyroscope, and a second normally horizontal reference indicator representing the horizon at said face, and stabilized against rolling or banking only by said gyroscope, whereby said first indicator appears to move in the same sense as the aircraft moves relatively to the horizon upon both pitch and roll of the aircraft.

2,044,152
AUTOMATIC LEVELING DEVICE FOR ELEVATORS
John F. Chancy, Chicago, Ill., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois
Application May 11, 1922, Serial No. 559,997
37 Claims. (Cl. 172—152)



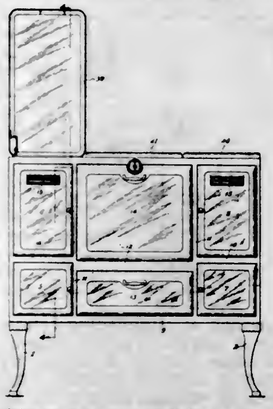
1. An electric elevator having, in combination, a cage, a motor for driving said cage, a switch device in said cage for controlling all phases of operation of said motor, said switch device comprising a double-throw lever, a pair of segmental contacts and a resistance, one of said segmental contacts acting to institute a wide range of variable motor operation and the other of said contacts acting to institute an automatic leveling operation when the former is in its inoperative position and the cage is near a landing.

2,044,153
LIQUID DISPENSING MACHINE
Maxwell B. Colton, New York, N. Y.
Application March 13, 1935, Serial No. 10,812
5 Claims. (Cl. 221—116)



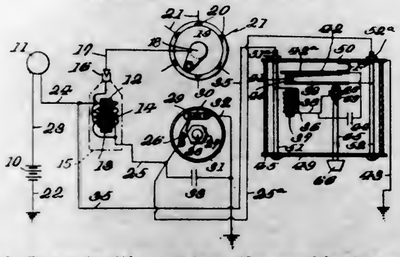
1. An apparatus of the character described comprising two liquid dispensers, each having a dispensing valve having a rotatable member, an operating shaft longitudinally movable in one direction toward one valve and in the other direction toward the other valve, means for selectively locking said shaft to either one of the rotatable members for rotation therewith, and an operating arm for actuating said shaft.

2,044,154
COMBINATION COOKING RANGE, TABLE, AND CABINET
Earl V. Coulston, Shaker Heights, Ohio, assignor to Crown Stove Works, Cicero, Ill., a corporation of Illinois
Application November 25, 1930, Serial No. 498,044
Renewed September 3, 1935
5 Claims. (Cl. 126—39)



1. A cooking range comprising a casing structure having side, front and back walls, interior walls forming a central oven chamber and side chambers, the latter chambers containing heating elements, said interior walls being beveled toward a common center upwardly from said heating elements, a top for the oven chamber forming a work table, and cooking grids over the side chambers in substantial alignment with said top.

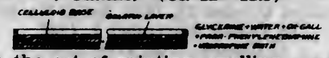
2,044,155
IGNITION SYSTEM FOR COMBUSTION ENGINES
Raymond Harcourt Dibley, New York, N. Y., assignor of one-half to Nathan Hoffman, New York, N. Y.
Application April 13, 1935, Serial No. 16,226
8 Claims. (Cl. 123—148)



1. In an ignition system, the combination of a source of energy, an induction coil having a primary winding, a circuit breaker, first circuit means for the passage of current from said source through said primary winding under control of said circuit breaker, an interrupter including a solenoid winding and contacts to be opened by energization of said solenoid winding, and further circuit means extending in series path through said solenoid winding and contacts and connecting said series path in parallel to said primary winding and circuit breaker, and conductor means connecting a point of said first

circuit means between said primary winding and circuit breaker to a point between said solenoid winding and contact.

2,044,156
PRINTING
Valentin Dietz, Cologne, Germany, assignor to Erwin B. Elliott and Maurice C. Boyd, Miami, Fla.
Application January 6, 1933, Serial No. 650,381
In Germany October 11, 1932
7 Claims. (Cl. 41—41.5)



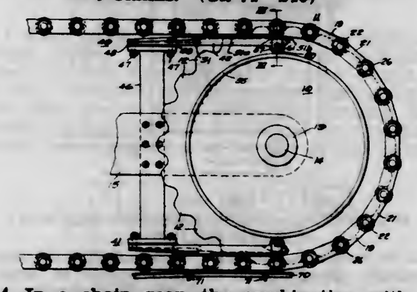
6. In the art of printing, swelling a suitably-supported gelatinous layer and at the same time making the layer ink-repellent by an agent other than the swelling medium but incorporated in said medium and including an amine, and tanning the parts of said layer in agreement with the image to be printed by a tanning medium incorporating alum.

2,044,157
CIRCUIT BREAKER
Hiller D. Dorfman and John H. Shuler, Mansfield, Ohio, assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application July 20, 1933, Serial No. 681,300
14 Claims. (Cl. 200—113)



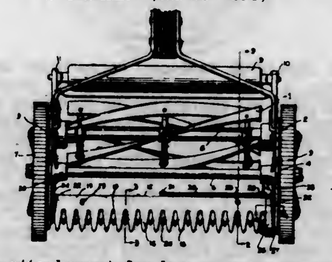
1. In electrical apparatus, a current carrying electro-responsive element, at least a considerable portion of the current carrying path of which comprises means of bimetallic material having a plurality of spaced, outwardly projecting fins, formed integral therewith, for increasing the thermal capacity of said element.

2,044,158
CHAIN GEAR
James Dunlop, Park Ridge, Ill., assignor to Westinghouse Electric Elevator Company, Chicago, Ill., a corporation of Illinois
Application April 12, 1934, Serial No. 720,222
7 Claims. (Cl. 74—240)



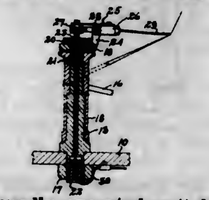
4. In a chain gear, the combination with a frame, a sprocket wheel rotatably mounted on said frame, and a sprocket chain disposed in cooperative engagement with said wheel, said chain comprising a plurality of side links, cross pins connecting the side links, and spool-like rollers having enlarged end portions, said rollers being disposed within the links and rotatably mounted on the cross pins, of a guide shoe mounted on the frame and having on its one end rigid prongs which extend along each side of the wheel and adjacent to the side of the chain approaching the wheel on a line approximately parallel to the tangential line of engagement of the chain on the wheel to a point on a straight line passing through the point of the tangential engagement of the chain and wheel and the axis of the wheel to provide a surface upon which the enlarged end portions of the rollers may ride in approaching the wheel and thereby prevent impact of the chain against the wheel before it reaches its tangential point of engagement with the wheel.

2,044,159
AUXILIARY CUTTER FOR LAWN MOWERS
Norman H. Durst, Moundridge, Kans.
Application April 2, 1934, Serial No. 718,636
2 Claims. (Cl. 56—238)



1. An attachment for lawnmowers comprising an auxiliary, transverse cutter capable of being mounted between and being secured to the end frames of a lawnmower, said cutter comprising a fixed cutting blade and a longitudinally reciprocable cutting blade, means for reciprocating the second mentioned blade, said means comprising a bearing on the fixed cutting blade, a shaft rotatably mounted in the bearing, a gear on one end of the shaft and meshing with the gear teeth on one traction wheel of the lawnmower, a lever on the other end of the shaft and a connecting rod secured to the lever and to the second mentioned cutting blade.

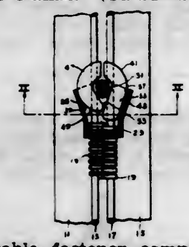
2,044,160
CENTRIFUGAL SWITCH
Charles B. Fantone, Lyndhurst, and Reuben M. Jameson, Teaneck, N. J., assignors to Syncro Machine Company, Newark, N. J., a corporation of New Jersey
Original application December 15, 1933, Serial No. 702,520, now Patent No. 2,003,353, dated June 4, 1935. Divided and this application April 30, 1935, Serial No. 19,056
6 Claims. (Cl. 200—52)



1. A centrifugally operated switch comprising a support adapted to be rotated about a fixed axis spaced therefrom, a contact mounted on the sup-

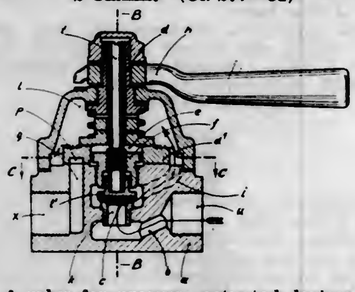
port and insulated therefrom, a lever pivotally mounted on the support and having a portion extending at an angle with respect to the remainder thereof, and a contact mounted on said lever and engageable with the first mentioned contact, said extension forming a strand guide.

2,044,161
SEPARABLE FASTENER
John S. Forster, Pittsburgh, Pa.
Application August 10, 1934, Serial No. 739,256
6 Claims. (Cl. 24—205)



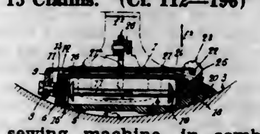
1. A separable fastener comprising in combination, a plurality of stringers, cooperative locking elements carried by the stringers, a slider disposed for movement along the cooperative locking elements to bring them into locking engagement or to release them, two stop members of unequal length, one carried on each stringer, the stop members being disposed to cooperate in limiting the movement of the slider and being so disposed on the stringers that their upper ends are in substantial alinement when brought into close proximity to one another, a cam carried by the slider and disposed to move between the cooperative locking elements as the slider is moved to actuate them, the lower ends of the stop members being disposed to receive the cam as the slider is moved along the locking elements, the shorter stop member being carried by the stringer having the uppermost locking element and being disposed to receive the cam member first as the slider is moved in a direction to release the locking elements to cooperate in starting the separation of the locking elements and assure that the slider may be operated freely.

2,044,162
CONNECTED VALVE
Gustav Friedrich Gerdts, Bremen, Germany
Application April 15, 1935, Serial No. 16,359
In Germany April 23, 1934
2 Claims. (Cl. 277—31)



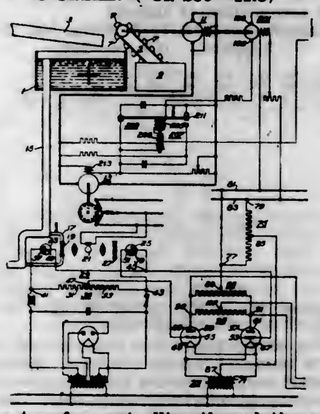
1. A valve for pressure-actuated devices, comprising within a casing, two closing members, a flat revoluble slide and a screw-moved reciprocating valve yieldably connected so that the spindle of the reciprocating valve passes centrally through the spindle of the revoluble slide and so that a non-circular part of the valve spindle is engaged by a corresponding recess in the slide spindle, whereby turning of the slide spindle causes also turning of the valve spindle, both spindles moving axially each independent from the other.

2,044,163
SHUTTLE-CARRIER FOR SEWING MACHINES
Jules François Léon Giraud, Digne, France
Application October 31, 1933, Serial No. 695,990
In France November 7, 1932
15 Claims. (Cl. 112—196)



1. In a sewing machine, in combination a shuttle carrier adapted to be reciprocated, a shuttle adapted to be mounted on said shuttle carrier and having a pointed forward end, a guiding surface for said shuttle on which the pointed end of said shuttle is adapted to bear, retaining means carried at the front of said shuttle carrier and adapted to cooperate with said guiding surface in order to hold said pointed end of the shuttle between said retaining means and said guiding surface, guiding means on said shuttle carrier adapted to cooperate with the rear end of the shuttle and adapted to maintain said rear end of the shuttle in a determined relative position with respect to said shuttle carrier, and elastic means adapted to urge constantly said guiding means against said rear end of the shuttle and consequently to urge said shuttle longitudinally towards said retaining means, whereby the shuttle is maintained with its pointed end applied against said guiding surface and with its rear end guided by said guiding means.

2,044,164
CONTROL APPARATUS
Finn H. Gulliksen, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application October 14, 1932, Serial No. 637,771
8 Claims. (Cl. 250—41.5)

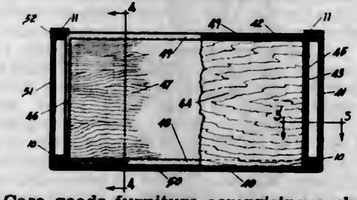


1. A system for controlling the relative amount of a constituent in a work substance comprising means to respond to variations in the relative amount of said constituent in said work substance, means, to be actuated by said responsive means when the relative amount of said constituent varies from a predetermined value, for applying a compensating variation in the relative amount of said constituent, the last said means being locked in in its operative condition and being operative after its actuation irrespective of the condition of its actuating means, means, other than said locked-in means, for interrupting the application of said compensating variation after a predetermined interval of time and means, other than said locked-in means, to be actuated by said interrupting means, for preventing the application of another compensating variation until a second interval of time has elapsed to provide for the proper influence of said first-named compensating variation on said responsive means.

2,044,165
HIGH STRENGTH ALLOYS
George P. Halliwell, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Original application March 3, 1932, Serial No. 596,565. Divided and this application December 1, 1934, Serial No. 755,573
5 Claims. (Cl. 148—13)

1. The process of improving the physical properties of an alloy consisting substantially of from 20% to 70% nickel, 60% to 10% cobalt, 5% to 50% iron, .5% to 10% titanium and chromium in amounts ranging from traces up to 20% which comprises quenching the alloy from a temperature of at least 900° C. and ageing the alloy at a temperature of 500° C. to 800° C. for a sufficient length of time to improve the physical properties of the alloy.

2,044,166
FURNITURE
Frank A. Hayden, Springfield, Mass.
Application September 21, 1934, Serial No. 744,965
13 Claims. (Cl. 45—5)

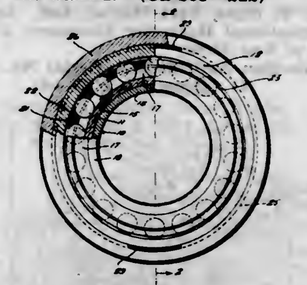


1. Case goods furniture comprising a skeleton frame having a closed top, drawer elements, means slidably supporting said drawer elements in said frame, said drawer elements having front and side vertical faces outwardly covering the front and sides of said frame and rear vertical faces arranged in front of the rear of said frame.

2,044,167
PROCESS OF PRODUCING AMMONIUM SULPHATE
Hugo Heimann, Haifa, Palestine, assignor to the firm of Bayerische-Stickstoff-Werke, Aktiengesellschaft, Berlin, Germany
No Drawing. Application April 13, 1934, Serial No. 720,438. In Germany November 11, 1931
13 Claims. (Cl. 23—119)

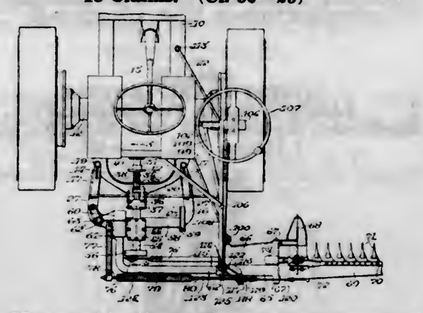
1. A process capable of producing ammonium sulphate of commercial purity, which comprises subjecting sulphur and aqueous ammonia simultaneously to the action of oxygen under pressure and at temperatures of the order of 100° C. and above until the sulphur is combined in the form of ammonium sulphate.

2,044,168
ROLLER BEARING CONSTRUCTION
Lewis R. Heim, Mount Dora, Fla.
Application January 24, 1931, Serial No. 510,862
17 Claims. (Cl. 308—212)



1. In a bearing construction, in combination, a cylindrical shell having an annular flange formed on one side thereof, a second cylindrical shell having an annular flange on one side thereof, said shells being telescopically fitted one within the other so that the edge portion of one shell overlaps the adjacent edge of the other shell to form an interlock therebetween, a plurality of rolling members resting upon one of said shells disposed between both of said flanges and having diameters greater than the shortest of said flanges, and means associated with said rolling members for retaining them in said position against radial displacement.

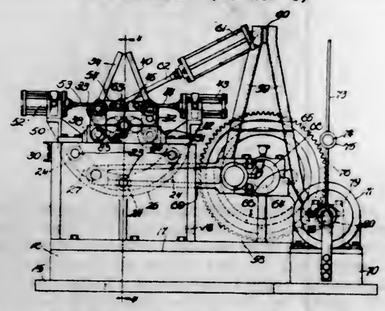
2,044,169
TRACTOR MOWER
Samuel E. Hilblom, Chicago, Ill., assignor to International Harvester Company, a corporation of New Jersey
Application October 14, 1935, Serial No. 44,912
15 Claims. (Cl. 56—25)



1. The combination with a tractor having a transverse rear axle housing and a draw-bar at its rear end, of a support also at the rear end of the tractor connected with said axle housing and disposed below the draw-bar, a bracket carried on the support and connected with the draw-bar, a transverse gag-bar connected with the bracket and draw-bar, a mower connected to the support and including a vertically adjustable hinged cutter-bar disposed normally transverse-

ly of the tractor at its rear end, a coupling link connected between the cutter-bar and a fixed point adjacent the tractor, and means for adjustably raising the cutter bar, said link rising with the bar until it is stopped by the gag-bar, whereby the means for raising the cutter-bar is effective to cause final hinging of the bar to a substantially vertical position.

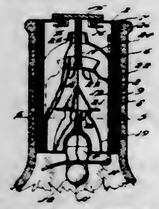
2,044,170
CRANKSHAFT TWISTER
Arthur T. Hunt, Fort Wayne, Ind., assignor to International Harvester Company, a corporation of New Jersey
Application April 6, 1931, Serial No. 527,878
11 Claims. (Cl. 29—6)



1. In a machine of the class described, a base, upright brackets carried thereon in spaced relationship, twisting elements rockingly carried between said upright brackets, rollers mounted in the brackets, tracks in the elements to receive the rollers, said rollers holding the elements down for movement about fixed axes, vise-fixtures carried by the twisting elements adapted to receive a crank shaft blank to be twisted, and means for rocking the twisting elements.

11. A crank shaft forming machine comprising a stationary die and a movable die, the dies being recessed to receive a crank shaft portion and at least one of said dies including a separable part to so clamp said portion, means on one die cooperating with means on the other for operatively supporting the movable die on the stationary die for movement thereon in an arcuate path.

2,044,171
NONREFILLABLE BOTTLE
Ludwig A. Ihlein, Philadelphia, Pa.
Application September 26, 1935, Serial No. 42,259
7 Claims. (Cl. 215—14)



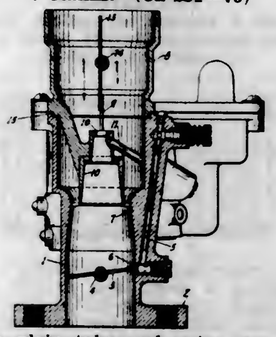
1. A nonrefillable bottle mechanism having a valve controlled inlet, a closure controlled discharge and a vent passage, means actuated by the turning of the closure to close said vent and move the closure to seal said discharge, and means to prevent turning of the closure in a reversed direction when in sealing position.

2,044,172
POWER TRANSMITTER
Gustav A. Klimek, East Rutherford, N. J., assignor to Diehl Corporation, New York, N. Y., a corporation of New York
Application December 13, 1934, Serial No. 757,293
9 Claims. (Cl. 74—64)



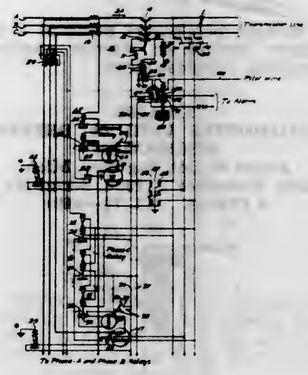
1. A power transmitter comprising in combination a first rotor, a second rotor, impellers operatively interposed between said rotors, circular grooves in one of said rotors forming tracks disposed eccentrically to the axis thereof and engaged with the impellers to cause them to move in a predetermined orbital path during the transmission of power from either of the rotors to the other and radial guideways engaging said impellers to cause them to reciprocate along a radial path during said orbital movement.

2,044,173
CARBURETOR
Fred A. Kommer, St. Louis, Mo., assignor to Carter Carburetor Corporation, St. Louis, Mo., a corporation of Delaware
Application July 30, 1932, Serial No. 626,804
7 Claims. (Cl. 261—75)



1. In a plain tube carburetor, a main body member having a passage way therethrough, a main venturi in said passage way, an air inlet member attached to said main body member, an air inlet passage in said inlet member substantially coaxial with said main venturi, a support member formed integral with said air inlet member and extending into said passage way in the main body member, and a smaller venturi integral with said support member, said smaller venturi having an outlet end of smaller diameter than said main venturi and adjacent the throat thereof, the throat of said main venturi being otherwise open and unobstructed, whereby the air flow around the outlet end of the smaller venturi will be evenly distributed.

2,044,174
PROTECTIVE RELAY SYSTEM
William A. Lewis, Wilkinsburg, and Robert D. Evans, Swissvale, Pa., assignors to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application March 11, 1933, Serial No. 660,342
34 Claims. (Cl. 175—294)



1. Protective equipment for a transmission line section, comprising line-sectionalizing circuit-interrupter means and relaying means therefor at each end of the line-section being protected, each of said relaying means including a first quick-acting relaying means for actuating its associated circuit-interrupter means in selective response to faults out on the line being protected and up to less than the whole of the distance between said relaying means and the other end of the line-section being protected, time-delay means and a second quick-acting relaying means jointly effective for also actuating said associated circuit-interrupter means, said second quick-acting relaying means being selectively responsive to faults out on the line being protected and up to more than the whole of the distance between said relaying means and the other end of the line-section being protected, in combination with means quickly operative at each end of the line-section being protected, in response to the relaying means at that end, for transmitting a signal to the other end of the line-section, and receiver means at each end, responsive to said transmitted signal, for quickly short-circuiting the time-delay means at that end.

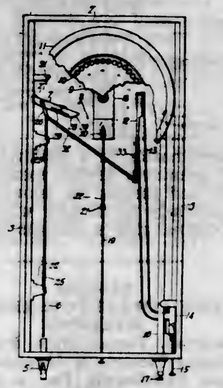
2,044,175
DIELECTRIC MATERIAL AND METHOD OF PRODUCING IT
Leon McCulloch, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application December 28, 1933, Serial No. 704,368
8 Claims. (Cl. 154—2.6)

2. A method of treating textiles, such as asbestos, to improve its dielectric properties comprising soaking it in a solution of boric acid of a strength from two to ten percent, draining, and drying at a temperature of about 100° C.

2,044,176
NONINFLAMMABLE PAINT
Leon McCulloch, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application September 18, 1934, Serial No. 744,535
10 Claims. (Cl. 134—17)

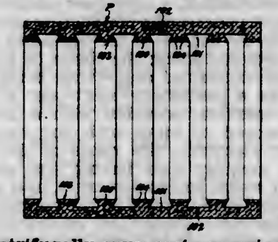
1. A non-inflammable paint comprising a chlorinated carrier and antimony trioxide, the antimony trioxide being present in an amount sufficient to impart non-inflammable qualities to the paint.

2,044,177
BALL TABLE
Jack McLoughlin, Boise, Idaho
Application December 5, 1934, Serial No. 756,069
9 Claims. (Cl. 273—121)



1. A combination ball and rotating wheel game device comprising a frame, a freely rotatable table thereon, a coin controlled lever for imparting rotation to said table, a ball guide around said table for directing balls thrown onto said guide to the table, said table having circumferentially spaced ball receiving openings therein, closure means beneath said openings to prevent balls from falling through, and a trap door in said closure means operable from said lever to discharge the balls from the openings when the wheel is started.

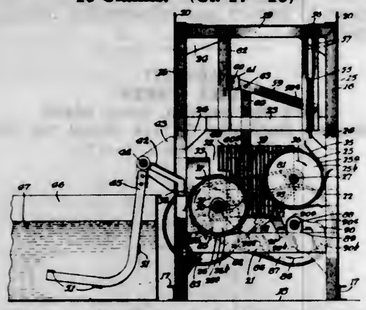
2,044,178
CENTRIFUGALLY SPUN CONCRETE PIPE AND APPARATUS FOR MANUFACTURE OF THE SAME
Albert R. McMullin, New York, N. Y.
Application December 26, 1931, Serial No. 583,203
2 Claims. (Cl. 138—89)



1. A centrifugally-spun cast concrete pipe unit, comprising a continuous and completely cylindrical shell composed of concrete and having in its

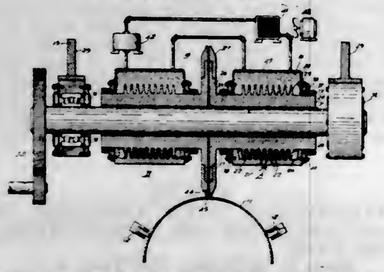
interior surface a groove with a bottom portion of greater width than the top or mouth portion thereof.

2,044,179
DEHAIRING MACHINE
John B. Middaugh, Chicago, Ill., assignor, by mesne assignments, to Packers Equipment Development Company, Chicago, Ill., a corporation of Illinois
Application October 18, 1933, Serial No. 694,083
16 Claims. (Cl. 17—16)



3. The combination in a dehairing machine, of a rotatable dehairing device, means for rotating said device, and means for moving said device bodily transversely to its axis while it is in rotation for discharging a carcass from said machine.

2,044,180
MERCURY COLLECTOR RESISTANCE WELDING
John S. Newton, Forest Hills, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application November 29, 1933, Serial No. 700,262
8 Claims. (Cl. 219—6)



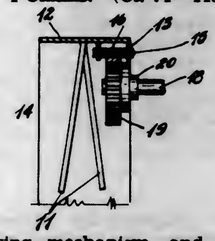
8. In a current collector for transferring heavy electric currents from a bus to a rotating member, in combination, a container capable of holding the most penetrating conducting metals, vanes provided in the bottom of the container, the vanes in cross-section having the shape of a truncated wedge, the container and vanes being disposed for use as a stationary electrode, a rotatably mounted member provided with a plurality of vanes disposed to mesh with the vanes of the stationary electrode, the vanes of the rotatably mounted member also having the shape of a truncated wedge in cross-section, and a metal in a liquid condition carried in the container establishing electrical connection between the vanes which are wedge shaped and so disposed relative to one another that electrical current may flow without exerting a pinch effect on the liquid metal.

2,044,181
FOUNTAIN PEN BARREL
Allan F. Odell, Upper Montclair, N. J., assignor to Du Pont Viscoloid Company, Wilmington, Del., a corporation of Delaware
Application April 11, 1935, Serial No. 15,829
5 Claims. (Cl. 120—42)



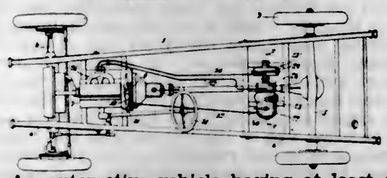
1. A fountain pen barrel made of a cellulose ester plastic having an interior coating of a water-insoluble cellulose ether.

2,044,182
AUTOMOTIVE VEHICLE DRIVING MECHANISM
Frank H. Ott, Saginaw, Mich.
Application November 9, 1934, Serial No. 752,319
4 Claims. (Cl. 74—449)



1. A driving mechanism, and comprising a ground engaging wheel including a rim provided with spaced apart, inwardly projecting flanges, circumferentially spaced bolt members removably mounted in said flanges and forming teeth, a flexible strip fitted over said bolts, and a drive gear engageable with said members for driving said wheel.

2,044,183
AUTOMOBILE SAFETY DEVICE
Peter Nicolas Peters, Brooklyn, N. Y.
Application December 14, 1935, Serial No. 54,421
12 Claims. (Cl. 180—1)

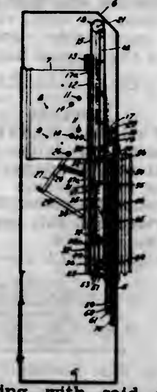


1. An automotive vehicle having at least one treaded pair of road wheels disposed on opposite sides of the vehicle and comprising an engine having a driving shaft, transmission means from said shaft to at least one of said wheels, a body rotatable about an axis other than the axis of said shaft and normally parallel to the axle of said driven wheel, said body axis being fixed relatively to the chassis frame of said vehicle, and unilateral means for causing said body to rotate in a sense opposite that of the rotation of said wheels.

2,044,184
APPARATUS FOR MAKING NEGATIVES
Frank T. Powers, Douglaston, N. Y.
Application May 17, 1934, Serial No. 726,086
10 Claims. (Cl. 95—31)

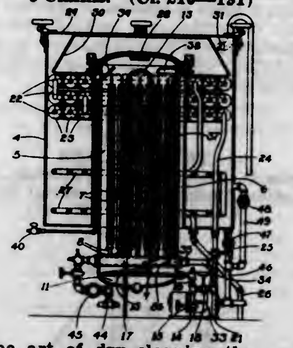
7. A process camera including in combination a light-tight casing, means for presenting light-

sensitive material in the focal plane of the camera, means for guiding and moving a half-tone screen transversely into and out of the light path within the camera, the successive positions of the screen being parallel and substantially perpendicular to the optical axis of the camera, and



means, cooperating with said screen-moving, screen-guiding means, for moving the half-tone screen along the optical axis of the camera, when the said screen is in the light path within the camera, for focusing purposes.

2,044,185
CLEANING APPARATUS
Earl C. Pugh, St. Louis, Mo., assignor to The Band Box Corporation, St. Louis, Mo., a corporation of Missouri
Application August 25, 1933, Serial No. 686,676
6 Claims. (Cl. 210—191)

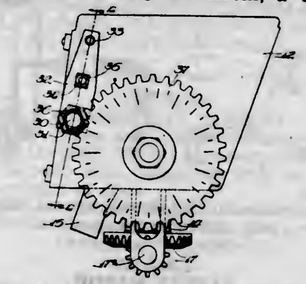


4. In the art of dry cleaning the process of reclaiming fluid comprising, passing dirty fluid through a filter until the filter medium is clogged with foreign material, and boiling the fluid in contact with the clogged filter medium while the medium remains in situ.

2,044,186
FERTILIZER DISCHARGING MECHANISM
Charles W. Robinson, Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill., a corporation of New Jersey
Application October 16, 1933, Serial No. 693,729
5 Claims. (Cl. 221—125)

1. In a fertilizer distributor having a hopper with a bottom outlet and a discharge regulating

rod mounted in said hopper for movement axially, the combination with one end of said rod of an adjusting shaft journaled in one end of the hopper and projecting therefrom, a telescopic



screw-threaded connection between said shaft and one end of the rod, and means on the end of the hopper for locking said shaft at any point against turning after adjustment of the rod by rotation of the shaft.

2,044,187
ADJUSTABLE LAMP STANDARD
Eugene Schwarz, Alexandria, Ind., assignor to The Mantle Lamp Company of America, Chicago, Ill., a corporation of Illinois
Application January 21, 1933, Serial No. 652,859
4 Claims. (Cl. 248—161)

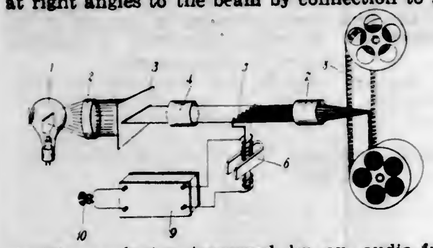


1. An adjustable lamp standard, including a base, a fixed tubular element rising from said base, a vertically-adjustable tubular element telescoping with the said fixed tubular element, and rubber-coated conductors having coils secured to a reversely-coiled spring and disposed within one of said tubular elements.

2,044,188
METHOD OF MODULATING LIGHT FOR THE PHOTOELECTRIC IMPRESSION OF SOUND ON A PHOTOSENSITIVE SURFACE
Alberto Laffon y Soto, Madrid, Spain, assignor of one-half to Ezequiel de Selgas y Marin, Madrid, Spain
Application March 21, 1933, Serial No. 661,969
In Spain March 23, 1932
6 Claims. (Cl. 179—100.3)

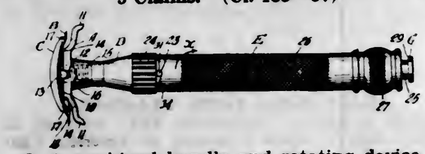
1. A method of modulating light for the photoelectric impression of sound on a photo-sensitive surface such as kinematographic film consisting in projecting a flat stationary beam of light of constant intensity on to the said photo-sensitive surface and intercepting the said flat beam by

an opaque toothed screen reciprocated in a plane at right angles to the beam by connection to an



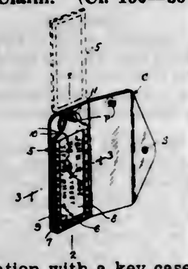
electric conductor traversed by an audio-frequency current and situated in a magnetic field.

2,044,189
SAFETY RAZOR
Carlyle B. Stair, Downers Grove, Ill.
Application November 19, 1934, Serial No. 753,666
5 Claims. (Cl. 185—37)



2. A combined handle and rotating device for safety razors, comprising a spindle having means at one end for removable connection to the razor head, said spindle having a bearing portion provided with a recess and also having an axially extending plunger secured thereto, a handle member journaled at one end on said bearing portion and journaled at its opposite end on said plunger for limited axial movement relative thereto, the free end of said plunger in one position projecting beyond the end of said handle and in another position being housed within said handle, spring tension means housed within and secured to said handle member, the opposite end of said spring tension means being detachably housed in the recess of said bearing portion, and a pin and slot connection for releasably securing said spindle to said handle to permit relative rotary movement therebetween in one direction only to place said spring tension means under torsional strain, and inward pressure on said plunger relative to said handle releases said pin and slot connection and said spring to permit free rotation of said spindle imparted by the stored energy of said spring tension means.

2,044,190
IDENTIFICATION CARD HOLDER
George R. Steinmetz, Tiffin, Ohio
Application March 14, 1935, Serial No. 11,147
1 Claim. (Cl. 150—35)



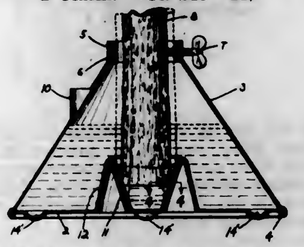
The combination with a key case consisting of opposed folding flaps, a pocketed window license card holder having one edge open, opposed apertured ears formed on the open end of the license card holder, a key supporting pin passing through the opposed flaps of the key case at one edge thereof and the apertures in the ears of the license card holder to simultaneously pivot the license card holder for edgewise rotation between the flaps and close the open end of the pocket of the license card holder, and a closing flap formed on one of the opposed flaps of the key case.

2,044,191
SEPARABLE FASTENER
Gideon Sundback, Meadville, Pa., assignor to Hookless Fastener Company, Meadville, Pa., a corporation of Pennsylvania
Original application December 21, 1929, Serial No. 415,721. Divided and this application May 14, 1934, Serial No. 725,414
4 Claims. (Cl. 24—205)



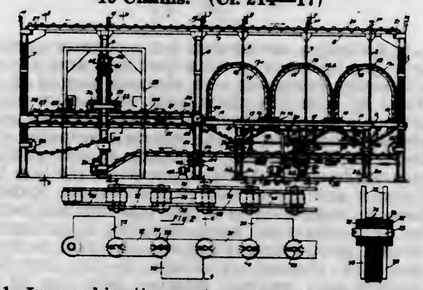
1. A slider for slide fasteners of the type having rows of interlocking elements, comprising in combination, a slider body having a channel through which the interlocking elements pass, a locking member having means to prevent relative movement between said slider body and interlocking elements when said locking member is in locked position, means connecting said locking member and slider body to permit free relative movement of said locking member inwardly to locked position or outwardly to unlocked position, means for limiting outward movement of said locking member, and a pull member connected to the locking member for moving the locking member automatically outwardly to unlocked position, when a force is applied to operate the slider along the elements, said locking member being freely movable solely by the force of gravity to locked position when no force is being applied to said pull member.

2,044,192
TREE HOLDER
Justin D. Templin, Jr., Whitefish, Mont.
Application August 27, 1934, Serial No. 741,568
1 Claim. (Cl. 248—44)



A tree holder comprising a hollow body having a bottom and side walls, an opening being provided in the upper portion of the body for passage of a tree trunk vertically through the body, a portion of the bottom under the opening being projected upwardly to form an inverted cone-shaped socket concentric to the opening and a supporting skirt surrounding the socket and bracing the socket against transverse displacement, walls of the socket being longitudinally corrugated to provide transversely spaced vertically extending ribs adapted to embed themselves in the lower end of a tree trunk in spaced relation to each other circumferentially thereof and grip the tree with portions of the socket walls between the ribs defining water passages about a tree trunk resting in the socket whereby the socket may be filled with water.

2,044,193
TRANSFER CONVEYER
John F. Trudeau, Little Silver, N. J., assignor to Hanson-Van Winkle-Munning Company, Matawan, N. J., a corporation of New Jersey
Application March 30, 1933, Serial No. 663,571
19 Claims. (Cl. 214—17)

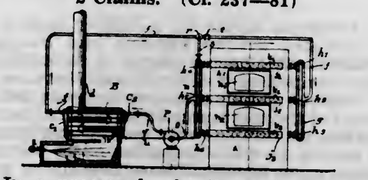


1. In combination, a two-story frame, a master chain passing along the top, bottom and ends of said frame, a plurality of vertically disposed raising and lowering chains, guide frames therefor, transfer stations between said master chains, the raising and lowering chains and between said raising and lowering chains, immersion tanks associated with the transfer stations between said raising and lowering chains.

2,044,194
PROCESS OF PREPARING DRY POWDER FROM EMULSIONS AND SOLUTIONS
Johan Marie Visser, Nijmegen, Netherlands
No Drawing. Application November 25, 1932, Serial No. 644,401. In the Netherlands November 27, 1931
7 Claims. (Cl. 99—203)

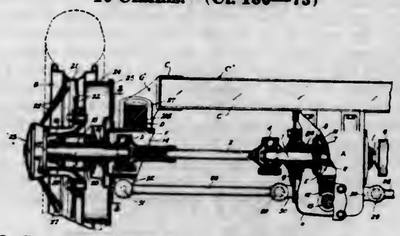
1. A process of preparing dry powder from substances in solution which consists in first depositing a heated and finely divided solid substance on the bottom of an air-rarefied heated chamber, then spraying said solution in a finely divided state into said chamber over said solid substance under constant stirring and finally and continuously removing the arising vapors.

2,044,195
PROCESS OF HEATING SUBSTANCES
Max Winckler, Miltitz, near Leipzig, Germany
Application August 13, 1932, Serial No. 628,763
In Germany August 21, 1931
2 Claims. (Cl. 237—81)



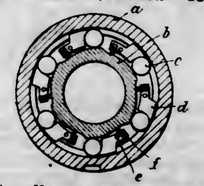
1. In a process for heating substances comprising the steps of initially vaporizing water in a superheating zone to produce superheated steam as a working medium, continuously superheating the steam, then passing the steam in indirect heat exchange relationship with the space to be heated and without causing condensation of the steam and thereupon returning the cooled steam to the superheating zone.

2,044,196
AUTOMOTIVE VEHICLE
Herbert W. Alden and Laurence Raymond Buckendale, Detroit, Mich., assignors to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application October 19, 1932, Serial No. 638,564
Renewed April 27, 1936
10 Claims. (Cl. 180—73)



3. In an independent wheel suspension for a motor vehicle, in sub-combination, a chassis; a leaf spring disposed longitudinally of said chassis and having a wheel supporting portion, means for securing said spring to said chassis in such manner that the wheel supporting portion thereof is constrained to move substantially vertically with respect to said chassis; a wheel; a wheel supporting member rigidly secured to the wheel supporting portion of said spring and rotatably supporting said wheel; the point of securement of said wheel support to said spring being vertically offset from the axis of said wheel, and stabilizing means, substantially vertically spaced from said spring, for preventing said wheel and wheel supporting member from undergoing rocking movement about said spring as an axis in response to loads placed upon said chassis, said stabilizing means comprising a link member transversely disposed with reference to the chassis and which is pivotally supported upon said chassis by a fixed pivot and pivotally connected to said wheel supporting member a considerable distance vertically from said spring, said spring being operable to restrain said wheel supporting member from rocking about the axis of said wheel.

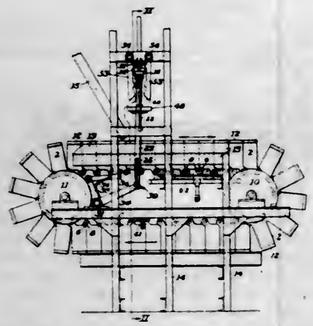
2,044,197
ROLLER CLUTCH
Hermann Barthel, Schweinfurt-on-the-Main, Germany
Application January 7, 1935, Serial No. 786
In Germany January 10, 1934
9 Claims. (Cl. 192—45)



1. A ratchet roller clutch comprising, in combination, a pair of co-operating rotary track

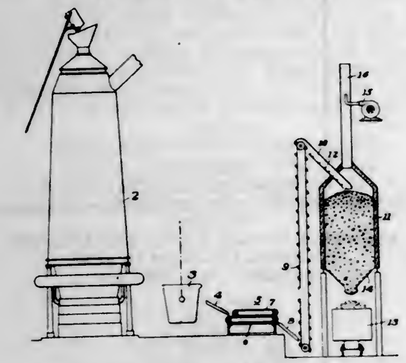
members and ratchet rollers interposed between said track members, pressure pieces pivoted on one of the rotary track members for pressing the rollers into operative engagement and springs for urging the pressure pieces into bearing contact with the rollers, said pressure pieces being heavier on one side so that as the speed of revolution increases, the pressure pieces turn on their pivots under the action of centrifugal force against the action of the springs and cease to bear against the ratchet rollers.

2,044,198
MANUFACTURE OF CAST SLAG ARTICLES
Tracy Bartholomew, Pittsburgh, Pa.
Application September 9, 1932, Serial No. 632,377
7 Claims. (Cl. 49—39)



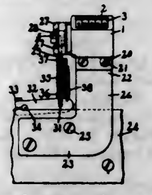
1. A cast slag article having external surfaces conforming substantially to the shape of the mold used in casting it, the article having a cavity, the walls of the cavity being deformed by internal stresses during solidification.

2,044,199
TREATMENT OF SLAG
Tracy Bartholomew, Pittsburgh, Pa.
Application September 9, 1932, Serial No. 632,378
6 Claims. (Cl. 49—77.5)



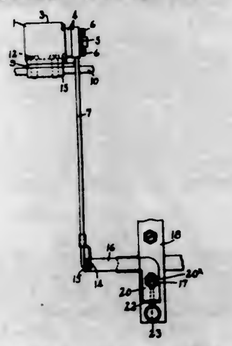
1. The process of treating slag which tends to expel gases and develop internal pressure during solidification, which comprises surrounding a body of highly fluid molten slag with contacting cooling mold surfaces which form crusts on all surfaces of the slag body so that the body may be handled while the interior thereof is still fluid.

2,044,200
COUNTING MECHANISM
Harvey N. Bliss, Hartford, Conn., assignor to Veeder-Root, Incorporated, a corporation of Connecticut
Application January 10, 1930, Serial No. 419,934
6 Claims. (Cl. 235—102)



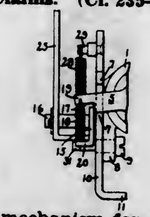
1. Actuating mechanism for a counter applied to a key operated writing machine and having a swinging operating arm element limited in its travel in both directions, said mechanism comprising a transmitting connection between said element and an actuating reversely swinging element of the machine including a transmitting member having lost motion operating relation between it and one of said elements and a resilient member associated with said transmitting member, said connection being operative on movement of said second element in one direction to move said first element yieldingly in one direction through said resilient member from one of its travel limits to the other, with said resilient member permitting overtravel of said second element, and said element which has lost motion operating relation with said transmitting member and said transmitting member being engageable to return said arm element from said other travel limit to said first mentioned limit.

2,044,201
KEY STROKE COUNTER
Harvey N. Bliss, Hartford, Conn., assignor to Veeder-Root, Incorporated, a corporation of Connecticut
Application January 10, 1930, Serial No. 419,935
8 Claims. (Cl. 235—102)



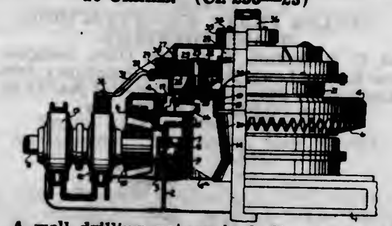
1. Actuating means for a counter applied to a key operated writing machine and having an operating arm element limited in its travel, said means comprising a direct linkage between said arm element and an actuating reversely swinging element of the machine, said linkage having fixed operating connections with both of said elements and having therein an angular offset portion of resilient material which flexes laterally to permit overtravel of said second named element with respect to said arm element.

2,044,202
KEY STROKE COUNTING MECHANISM
Harvey N. Bliss, Hartford, Conn., assignor to Veeder-Root, Incorporated, a corporation of Connecticut
Application January 10, 1930, Serial No. 419,936
8 Claims. (Cl. 235—102)



1. Actuating mechanism for a counter applied to a key operated writing machine and having a swinging operating arm element limited in its travel in both directions, said mechanism comprising transmitting members between said element and a reversely movable element of the machine, one of said transmitting members having lost motion operating relation to said arm element, another of said members being a resilient pull member, said mechanism being operative on movement of said second element in one direction to move said arm element in one direction by said pull member from one of its travel limits to the other, with said pull member permitting overtravel of said second element, and said first transmitting member being operative to effect a return movement of said arm element from said other travel limit to the first named limit by directing engagement of said member with said arm element.

2,044,203
OIL FIELD ROTARY
Burwell Boykin, Jr., Beaumont, Tex., assignor to International Derrick & Equipment Company, a corporation
Application August 1, 1935, Serial No. 34,201
10 Claims. (Cl. 255—23)

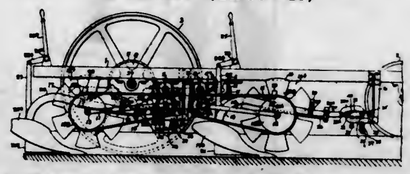


5. A well drilling rotary including a rotatable table having a central opening, a drive plate engaging non-rotatably in said opening, a drive bushing above said opening, and a gear transmission between said plate and said bushing whereby said bushing is rotatable at a speed higher than that of said rotary table.

2,044,204
PROCESS OF MAKING MOLDED CEMENTITIOUS MATERIALS
Bryan F. Brice and Paul B. Brice, Cook County, Ill.
No Drawing. Application April 28, 1936, Serial No. 76,821
8 Claims. (Cl. 18—47.5)

1. The process of making molded cementitious bodies which consists in forming at ordinary atmospheric temperature an intimate admixture containing a cementitious base, water in an amount in excess of that required to effect complete hydration of said cementitious base, an inert filler, fibrous material and a pulverized solid hydrocarbon having a melting point in excess of 212° F., the proportion of hydrocarbon in the admixture being less than 30% of the total mass, subjecting a confined mass of such admixture to gradually increasing heat and pressure in an amount adequate to elevate the internal temperature of said confined mass to a point above the boiling point of the water to convert the uncombined excess water into vapor which by penetration under pressure of the cementitious particles effects substantially complete hydration of the cementitious base while the confined mass is undergoing the pressing operation, and maintaining such application of heat and pressure until the uncombined excess water is driven off from the mass and said mass attains a final temperature not less than the melting point of the hydrocarbon and is consolidated into a compact homogeneous non-hygroscopic solid in which the cementitious base is substantially completely hydrated at the conclusion of the pressing operation and free from uncombined water and the hydrocarbon penetrates the voids in said cementitious base resulting from its hydration.

2,044,205
PLOW
Martin R. Bruner, Wapakoneta, Ohio
Application February 7, 1935, Serial No. 5,411
5 Claims. (Cl. 97—40)

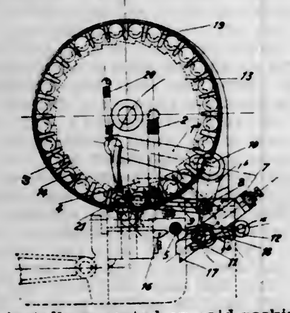


1. The combination with a tractor structure, of a moldboard plow connected thereto, and a colter mounted substantially in the plane of the landside of the plow, a power transmitting mechanism adapted to rotate the colter, and it and the colter adapted to exert a forward movement to the machine by their contact with the ground, and a driving shaft to actuate the power transmitting mechanism.

2,044,206
AUTOMATIC WEFT REPLENISHING DEVICE
Juan Picañol Camps, Sabadell, Spain
Application September 3, 1932, Serial No. 631,630
In Switzerland June 21, 1932
2 Claims. (Cl. 139—250)

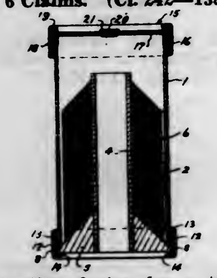
1. An automatic weft replenishing device comprising in combination with the slay of the loom, a stop on said slay, a spindle adapted to be rotated to bring the device into action, a forked lever keyed on said spindle, a rocking lever carrying a roller engaging in the forked end of said lever and having a catch at its end adapted to be brought into horizontal position in front of said stop, a drum over said slay provided with radial flyers, an internally toothed rim on said drum, a pawl engaging said rim and cooperating with said rocking lever to rotate said drum at the end of the movement of said slay after said stop has engaged said catch, a spring loaded lever adapted to engage in said rim to lock said drum

during the replenishing action, a roller on said rocking lever adapted to hold said spring loaded lever in engagement with said rim when said rocking lever is in horizontal position and a



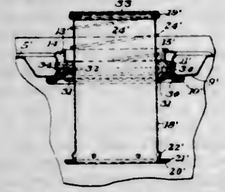
hammer pivotally mounted on said rocking lever adapted to shift horizontally during the transfer to produce a straight movement of the bobbin from the drum to the shuttle.

2,044,207
PROTECTOR FOR THREAD PACKAGES
Clarence E. Chaffin, Longmeadow, Mass.
Application September 13, 1935, Serial No. 40,369
6 Claims. (Cl. 242—138)



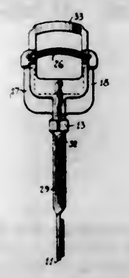
6. A protective device for a tubular thread package having a base, which comprises a tubular body member into which the thread package may be inserted, means to releasably clamp the base of the thread package to the bottom of the body member, and an apertured transparent closure member for the upper end of the body member.

2,044,208
SPOUTED CONTAINER
Guy O. Conner and Howard W. Karges, Wheeling, W. Va., assignors to Wheeling Steel Corporation, Wheeling, W. Va., a corporation of Delaware
Application October 18, 1934, Serial No. 748,870
4 Claims. (Cl. 221—27)



1. A container having a spout of the retractible type, wiping means about said spout, and means for positively urging said wiping means into contact with the spout.

2,044,209
EYELASH CURLER
Gustave Glatzer, New York, N. Y.
Application March 7, 1934, Serial No. 714,377
6 Claims. (Cl. 132—32)

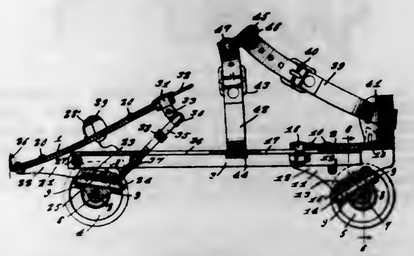


1. An eyelash curler comprising two members, each stamped from a single piece of material, both members having cooperating interfitting longitudinal ridges between the side edges thereof for facilitating longitudinal sliding movement, one relative to the other, and a relatively narrow guide to hold the members in slidable engagement.

2,044,210
ART OF TIN-PLATING
Robert M. Gordon, Carnegie, Pa.
No Drawing. Application April 24, 1933, Serial No. 667,691
9 Claims. (Cl. 91—70.2)

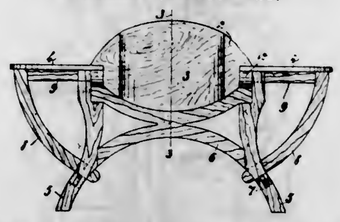
7. A process of making tin plate comprising forming a suitable bath of molten tin, providing such bath with a supernatant layer of fish oil which has previously been refined by purification and kettling, and subjecting untinned plate to said bath of molten tin and to said supernatant layer of fish oil.

2,044,211
ROLLER SKATE AND ATTACHING MEANS THEREFOR
Fred T. Hedelund, Sandusky, Ohio, assignor of one-half to Lewis B. Winters, Sandusky, Ohio
Application May 16, 1935, Serial No. 21,861
10 Claims. (Cl. 208—180)



1. A skate to be attached to the shoe of a skater and including a roller axle, a foot plate mounted on said axle for independent movement thereon, cooperating clamping members on said plate relatively movable toward and from each other to grip and release said shoe, respectively, and means for moving said members and operative by movement of said plate.

2,044,212
CHAIR AND THE LIKE
Frank William Crossley-Holland, Dunstable, England
Application May 18, 1935, Serial No. 22,256
In Great Britain May 24, 1934
1 Claim. (Cl. 155—125)



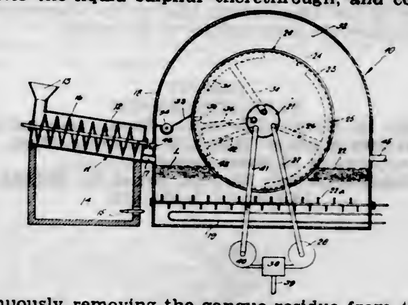
A chair or the like comprising a seat, the surface of which is concave and conforms with the internal surface of a cylinder substantially two feet ten and a half inches in diameter and is defined by a chord of one foot ten inches, the axis of which extends in a horizontal direction from the back to the front of the seat, a back rest secured in fixed relation with the seat and inclined in a rearward direction at an inclination of 110° to the horizontal, and connected with the seat, arm rests at a height such that the arms of the person using the seat may bear upon the arm rests, with the heads of both of the femurs supported upon the seat and the line of the spine straight, each of said arm rests constituting a table, a frame in the form of an X arranged on its side and having curved limbs corresponding with the curvature of the seat secured to the front portion of the seat, and a further member of like form secured to the rear portion of the seat, legs extending outward in a curve from the seat and secured to the ends of the X-frames and providing adjacent to their upper ends supports for the inner edges of the arm rests and downward to provide portions adapted to bear upon the ground, a stretcher extending between the legs on each of the two sides of the seat, and a stay extending in a curve upward from each of said stretchers to support the outer edge of the arm rests.

2,044,213
PROCESS OF MANUFACTURING HARD BOARD
Fergus A. Irvine, New Orleans, La.
No Drawing. Application May 5, 1934, Serial No. 724,213
11 Claims. (Cl. 92—21)

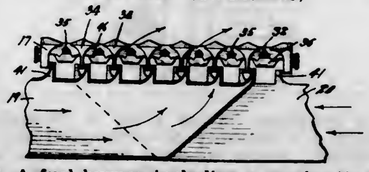
1. The process of producing a hard, dense and highly water resistant product from bagasse, wherein the bagasse is softened by digestion and refined mechanically to a fibrous state, such fiber then having admixed therewith and therethrough a polymerizing substance, and together with such polymerizing substance subjected to elevated temperature for a time sufficient to thoroughly heat the mass thereof and initiate polymerization, such mass then, while in heated condition, protected by a heat insulating material and maintained so protected until substantial polymerization has taken place.

2,044,214
SULPHUR REFINING PROCESS
Coulter W. Jones, Altadena, Calif.
Application March 26, 1934, Serial No. 717,389
4 Claims. (Cl. 23—229)

1. The method that includes, heating sulphur ore to form a mixture of gangue and liquid sulphur, passing an endless filter element in contact with a body of said mixture, applying a pressure differential to opposite sides of said element to filter the liquid sulphur therethrough, and continuously removing the gangue residue from the filter element by forcing liquid sulphur through said element toward the surface carrying the gangue residue.

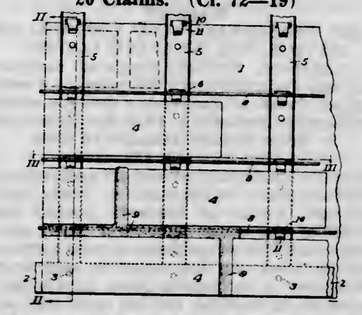


2,044,215
BURNER
Henry J. Keeley, Denver, Colo.
Application September 30, 1933, Serial No. 691,649
8 Claims. (Cl. 110—40)



7. A fuel burner including a combustion bowl and a traveling grate underlying said bowl and having groups of air passages extending therethrough and arranged in rows, the adjacent passages in each row being oppositely inclined; a first series of air nozzles underlying one portion of said grate and cooperating with the overlying passages of like inclination; and a second series of air nozzles underlying a different portion of said grate and cooperating with the overlying passages of opposite inclination.

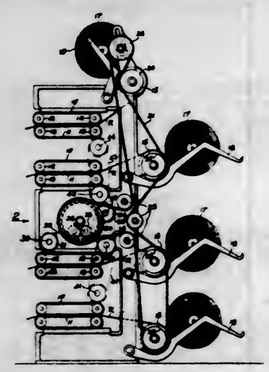
2,044,216
WALL STRUCTURE
Edward A. Klages, Crafton, Pa.
Application January 11, 1934, Serial No. 706,247
Renewed January 4, 1936
20 Claims. (Cl. 72—19)



1. A structural member for use in the construction of veneer walls, comprising a channel

having regularly spaced hook portions struck outwardly therefrom, said hook portions terminating in substantially straight brick-engaging edges and being resiliently yieldable in the direction of the longitudinal axis of the channel to accommodate irregularities in the bricks.

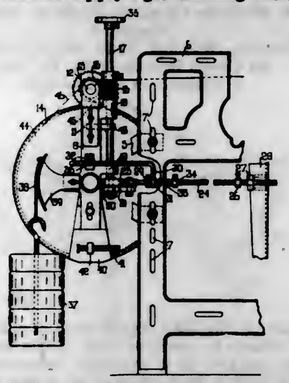
2,044,217
TAPE CONDENSER
John H. Kovar, Worcester, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a corporation of Massachusetts
Application July 30, 1934, Serial No. 737,504
1 Claim. (Cl. 19—151)



In a condenser having a set of condensing aprons and a plurality of winding drums, in combination, means to drive said aprons and drums in a definite speed relation to each other, said means comprising a chain and gear drive for said aprons, a belt drive for said drums, a driving pulley for said belt, a shaft positively rotated by said apron drive, a second shaft gear-connected to drive said pulley, an elongated gear on one of said shafts, a series of change gears loose on the other shaft and having different numbers of teeth but the same pitch diameter, all of said change gears meshing continuously with said elongated gear, an over-running clutch to connect the change gear having the largest number of teeth to said shaft, a sliding key by which the remaining change gears may be selectively connected with said shaft, and manual means by which said key may be adjusted axially of said shaft while the machine is in operation.

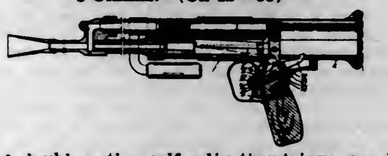
2,044,218
WARP TENSIONING AND LETTING-OFF DEVICE FOR WEAVING LOOMS
Henry Lakeland, Preston, England, assignor to Lakeland-Baines Patent Proprietary Company Limited, Preston, England, a British company
Application January 3, 1935, Serial No. 295
In Great Britain January 20, 1934
15 Claims. (Cl. 139—100)

1. A warp tensioning and let off mechanism for a weaving loom comprising a freely pivoted warp beam, a pair of brackets located one at each end of the warp beam and freely pivoted coaxially with the warp beam, a back carrier extending between and supported by said brackets and adapted to be rotated from a moving part of the loom, a toothed rim at each end of the warp beam, a pair of toothed wheels mounted on the back carrier and engaging with the said toothed rims for rotating the warp beam, and loading means for applying a turning moment to



said brackets to oppose the turning moment applied thereto by the warp tension.

2,044,219
FIRING MECHANISM FOR AUTOMATIC FIREARMS
Hans Lauf, Stockholm, Sweden
Application November 21, 1934, Serial No. 754,101
In Sweden November 22, 1933
3 Claims. (Cl. 42—69)

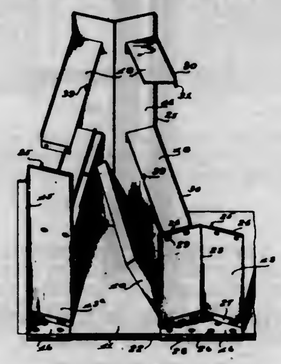


1. A double acting self-adjusting trigger mechanism for automatic firearms for discharging single shots and shots in series respectively, in combination with a breech body having a breech block reciprocal therein; said mechanism comprising a trigger having two arms, two spindles secured in the breech body acting as pivots respectively for said trigger arms, one spindle located behind the other in such a manner that when the upper arm is pulled the trigger turns about the rear spindle for single firing and when the lower arm is pulled the trigger turns about the front spindle for series firing, a double ended sear mounted for oscillation in said breech body, one of the sear ends being adapted for engaging said breech block to retain it in retracted position, a flat spring tending to swing the sear into such engagement, means mounted on the trigger actuated by said spring for engagement with the other of said sear ends, and said means tending to release such engagement with the other sear end when encountering said front spindle while the trigger is being pulled.

2,044,220
FILMING AND COATING COMPOSITION
Harold A. Levey, New Orleans, La.
No Drawing. Application July 27, 1931, Serial No. 553,477
13 Claims. (Cl. 106—40)

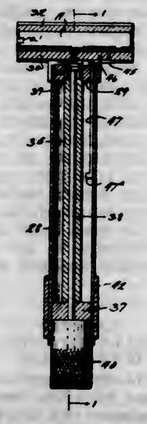
1. A transparent film-forming base comprising approximately 80% cellulose acetate, 18 to 19% soluble phenol aldehyde resin, and the balance a compound of the class consisting of bayberry wax and palmitic acid.

2,044,221
FRAMEWORK FOR AIR FILTERS
Frank L. Myers and Harry V. Smith, Toledo, Ohio, assignors to Owens-Illinois Glass Company, a corporation of Ohio
Application January 29, 1934, Serial No. 708,719
13 Claims. (Cl. 183—44)



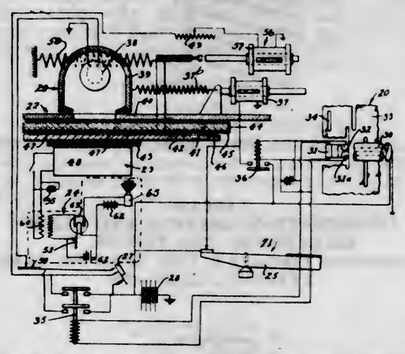
4. A framework for filter units comprising upper and lower parallel horizontal deck plates forming the upper and lower members respectively of the framework, a series of front vertical risers and a parallel series of rear vertical risers extending from the lower to the upper deck plates and attached at their ends to the deck plates, horizontal cross members extending from the front to the rear risers and vertically spaced from each other to provide with said risers, rectangular cells arranged in tiers for the reception of the filter units.

2,044,222
SAFETY RAZOR
Benjamin F. Nicoll, Sr., New Orleans, La.
Application June 29, 1935, Serial No. 29,141
7 Claims. (Cl. 30—35)



1. A safety razor including a barrel constituting a handle, a blade clamping head detachably mounted on one end of the barrel and formed to provide a seat for the back of the blade and two jaws engaging opposite faces of the blade adjacent its edge, the ends of the head being open, a blade insertable in said head having a recess in its back confronting the barrel, the edge of the blade projecting out between said jaws, and a locking rod extending through the barrel having a knurled head at one end bearing against the adjacent extremity of the barrel, the other end of the locking rod being screw threaded for engagement through the head, the extremity of the locking rod engaging in said recess in the back of the blade.

2,044,223
METHOD OF AND APPARATUS FOR PRODUCING AND REPRODUCING SOUND
James H. Nuttall, Glendale, Calif.
Application October 25, 1928, Serial No. 314,940
26 Claims. (Cl. 84—1)



1. A musical instrument including a light source, means for converting light variations into sound and adapted to receive rays from said source, means for producing predetermined frequencies of such rays, means for varying such rays in accordance with a predetermined tone quality and means interposed between said light source and said converting means for varying the intensity of the rays to vary the volume of the sound.

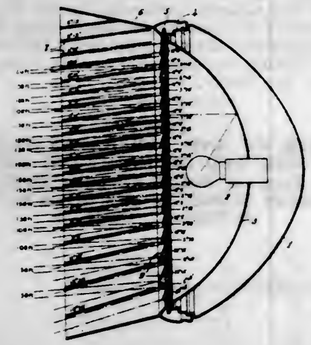
15. A tone film for varying the energy in a series of light rays including a segmental body of variable translucency, the sequence of translucency variation being constant in ratio along various circumferential lines.

16. In combination with a source of light and a means for converting light to sound in a musical instrument, an opaque disc having light openings therein arranged in circumferential series, the series having different numbers of openings therein, means for rotating said disc, and a stationary member adapted to change the energy of the light passing through such openings of a plurality of series in the same sequence of variation during its exposure thereto.

2,044,224
HEAD LAMP
Gustave Adolphus Peple, Jr., Richmond, Va.
Application July 14, 1934, Serial No. 735,120
10 Claims. (Cl. 240—41.3)

10. A non-glare head-lamp comprising a casing, a reflector, a source of light mounted within said reflector, a lens having substantially horizontal prisms arranged upon one face thereof, and a screening device arranged in front of said lens, said screening device comprising a plurality of inclined vanes spaced from each other to the height of their adjacent prisms of said lens, each prism having a portion of its surface shaped to direct the reflected rays substantially parallel with said vanes, and another portion of its sur-

face shaped to direct other reflected rays in substantially parallel planes between the inner up-



per edge and the lower outer edge of adjacent vanes.

2,044,225
COMBINATION BROOCH AND CLASP
Ralph Polcini, New York, N. Y.
Application February 1, 1936, Serial No. 61,862
3 Claims. (Cl. 63—20)



1. In an article of the class described, a substantially oval rim-frame provided with a solid median bar connecting the lesser curved portions thereof, a pair of lugs extending symmetrically from the center of said bar and being offset relative to the plane of the frame, inwardly opening end-notches symmetrically located at the acutely-curved portions of the frame, a pair of ornamental clasps overlying said frame face to face and concealing it and being removably connected therewith, recesses provided at the abutting edges of said clasps for accommodating and engaging the lugs of said median connecting bar, snap members, forming operative parts of said clasps and provided with a plurality of prongs, one of which prongs of each snap member registers with the responsive end-notch of the frame.

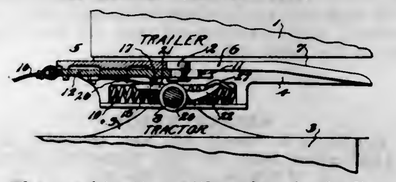
2,044,226
CIRCUIT INTERRUPTER
Herbert L. Rawlins, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 25, 1933, Serial No. 686,760
19 Claims. (Cl. 200—123)

17. In a circuit interrupter, tubular means for defining an arc passage, a seat positioned at one end of said tubular means, means movable from a closed circuit position to an open circuit position to open the electrical circuit through said interrupter and establish the arc incident thereto within said arc passage, means biasing said movable means to the open circuit position, electro-responsive means including a fusible element for normally holding said movable means in the closed circuit position against said biasing means, and a heater means for causing the fusion of said fusible element upon the occurrence of predetermined conditions, said heater means including a member of resistance material which



is held against said seat by the reaction forces of said biasing means.

2,044,227
LOCK CONTROL FOR FIFTH WHEEL COUPLINGS AND THE LIKE
Harry C. Robb, Jr., Syracuse, N. Y., assignor to Highway Trailer Company, Edgerton, Wis., a corporation
Application September 25, 1935, Serial No. 42,115
19 Claims. (Cl. 280—33.1)

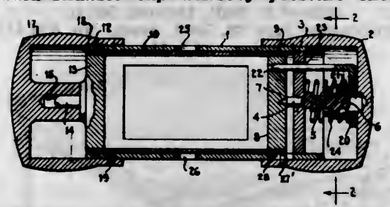


2. The combination with a female draft coupling assembly for use in coupling tractor and semi-trailer vehicles for combined operation, said assembly including a king pin receiving slot, a movable locking member associated with said slot and normally projecting across the slot to form therewith a king pin socket, and means for actuating said locking member, of means for positively holding said locking member in a position permitting uncoupling of the female coupling from a mated king pin, and means for releasing said holding means incident to a predetermined relative longitudinal movement in either direction between said female coupling and king pin, whereby to restore the locking member to its normal position aforesaid.

2,044,228
AUTOMATICALLY OPENING TUBULAR WATCHCASE
Herman Schlacht, Woodhaven, N. Y.
Application June 15, 1935, Serial No. 26,737
7 Claims. (Cl. 58—88)

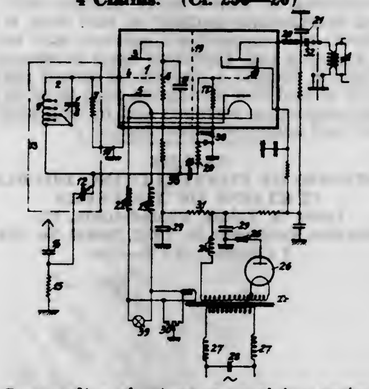
2. In a sectional tubular case for watches, a tubular portion, a cap slidably secured to one end thereof, a cap fixedly secured to the other end, a movement containing cylinder rotatably mounted in said tubular portion, there being a cut away portion in said cylinder to expose the face of the movement, means mounted on the inside of the slidable cap which engage said rotatable cylinder

said means being arranged to cause rotation of said rotatable cylinder upon sliding movement of said slidable cap whereby pressure exerted



axially of the caps will rotate said rotatable cylinder, and automatically operating means to return said rotatable cylinder to its normal position.

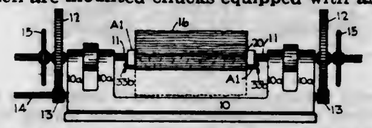
2,044,229
ULTRA-SHORT WAVE AUXILIARY APPARATUS FOR RADIO RECEIVERS
Kurt Schlesinger, Berlin, Germany
Application November 29, 1933, Serial No. 700,283
In Germany December 2, 1932
4 Claims. (Cl. 250—20)



1. In an ultra-short wave receiving system an aerial and a frequency changer consisting of an intermediate frequency amplifier and an electronic tube serving at the same time for generating an ultra-high heterodyne frequency, for amplifying the ultra-high frequency to be received and for producing the intermediate frequency by mixing and rectifying both ultra-high frequencies, an oscillating circuit tuned to the heterodyne frequency being connected to the grid and via a condenser to the plate of said tube, automatically back-coupled by the inner capacities of said tube, the plate of said tube being connected via a condenser to said aerial, and a high ohmic resistance as poor in capacity as possible, inserted in the plate circuit of said tube for coupling said tube with the intermediate frequency amplifier.

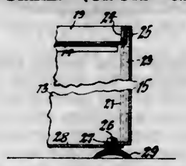
2,044,230
METHOD AND APPARATUS FOR PRODUCING VENEER WOOD
Andrew G. Seiber, Louisville, Ky., assignor to Wood-Mosaic Co., Incorporated, Highland Park, Louisville, Ky., a corporation of Kentucky
Application March 27, 1933, Serial No. 662,885
12 Claims. (Cl. 144—209)

6. In a veneer machine for rotatively removing individual sheets of veneer from diametrically opposed surfaces of a log, comprising in combination, a bed plate on which are mounted a linearly disposed veneer cutter and a pair of linearly adjustable synchronously uniformly rotatable shafts, on the juxtapositioned ends of which are mounted chucks equipped with aligned



pivots on which a log can be mounted, said pivots being disposed in eccentric relation to said shafts, constituting means for removing said sheets without removing said log from said centers wherein some of said sheets are of a width in excess of the maximum diameter of said log.

2,044,231
BAG DISPENSING CABINET
Alva T. Smith, Stamford Center, Ontario, Canada, assignor of one-third to Andrew F. Bowers, Niagara Falls, N. Y., and one-third to John A. Gardiner, Buffalo, N. Y.
Application May 9, 1934, Serial No. 724,677
1 Claim. (Cl. 312—62)

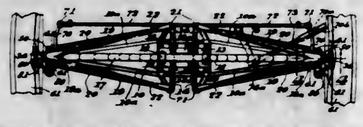


A dispensing cabinet comprising a casing having side walls, a rear wall, a bottom, a top, a flange projecting inwardly from the lower edge of each side wall, a flange projecting inwardly from the lower edge of the rear wall and overlapping the rear parts of the lower flanges on the side walls, an upstanding flange arranged at the rear edge of the top, a downwardly opening channel arranged on the upper end of the rear wall and receiving the upstanding flange of said top, an upright re-entrant flange arranged on the vertical rear edge of each side wall and forming a rearwardly opening channel, and flanges projecting forwardly from opposite vertical edges of said rear wall and each engaging the channel of the re-entrant flange on one of the side walls, whereby said rear wall may be assembled with said side walls, bottom and top by sliding the vertical flanges of the rear wall downwardly in the channels of the side walls until the lower flange of the rear wall engages the lower flanges of the side walls and the upper channel of the rear wall receives the rear flange of the top, and the rear wall may be disassembled from the side walls, bottom and top by moving the rear wall upwardly relatively to the side walls, bottom and top.

2,044,232
WHEEL SUSPENSION AND STEERING MECHANISM
John Tjaarda, Birmingham, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application December 1, 1933, Serial No. 700,444
11 Claims. (Cl. 280—96.2)

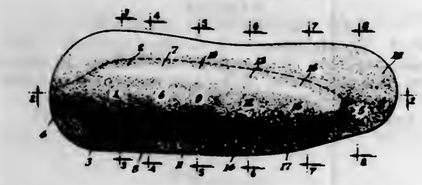
1. In a vehicle having front steering wheels, a transverse truss member extending between the wheels and having a central mounting for a longitudinal chassis torque member, means mounted

at each outer end of said member for turnably mounting each wheel, and steering mechanism connected to said means, the latter comprising



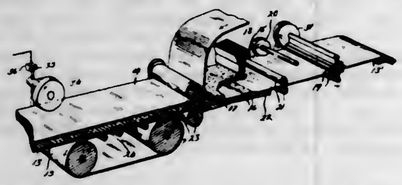
relatively vertically movable parts permitting independent vertical movement of the wheels with respect to the steering mechanism.

2,044,233
ARCH SUPPORTING WEDGE
Harry Wagner, Newark, N. J.
Application June 19, 1933, Serial No. 676,424
4 Claims. (Cl. 36—71)



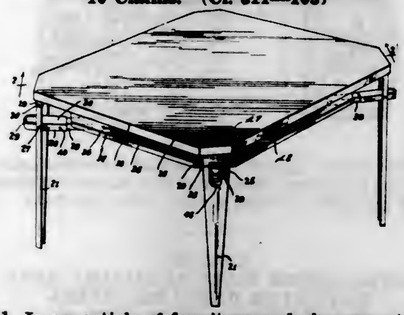
4. An arch supporting wedge having its thickest portion adapted to underlie approximately the anterior neck of the second metatarsal bone, said wedge having a portion extending forwardly from said above mentioned portion and tapering in width and thickness down to a point adapted to underlie approximately the proximal phalangeal bone of the second toe, said wedge also having a rearwardly extending portion tapering in width and thickness to a point adapted to underlie the inner side of the foot at a point anterior to the tuberosity of the os calcis, said wedge being combined with a flexible pad extending substantially the full distance from the back of the heel to the proximal phalageal-phalangeal articulations.

2,044,234
METHOD OF MANUFACTURING WALLBOARD
Gordon R. Walper, Huntington Woods, Mich.
Application December 1, 1933, Serial No. 700,582
7 Claims. (Cl. 154—2)



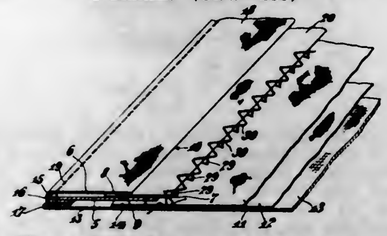
1. That step in the method of manufacturing wallboards, plasterboards and the like with depressed edge portions which cooperate in adjacent boards when assembled to provide filler receiving grooves, which consists in forming an outwardly extending rectilinear series of projections in one of the face sheets adjacent the marginal edges of a completed board to offset the latter edges inwardly out of the plane of the major portion of the face sheet to reduce the thickness of the completed board at the marginal edges aforesaid.

2,044,235
FOLDING TABLE
Thomas M. Webber, Detroit, Mich., assignor to Albert P. Ball, Detroit, Mich.
Application July 30, 1932, Serial No. 626,412
10 Claims. (Cl. 311—103)



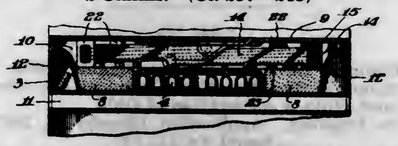
1. In an article of furniture, a deck, supporting legs for said deck hingedly connected to the latter and movable to supporting and non-supporting positions, in which latter position said legs extend substantially radially of said deck, a second deck, and connections between said second deck and said legs operating upon movement of said second deck to a position in spaced parallel relation to said first mentioned deck to move said legs to supporting positions and to lock said legs in the said supporting positions.

2,044,236
METHOD OF CONSTRUCTING DOUBLE CURTAINS OF TROUSERS
Louis B. Zeldis, Philadelphia, Pa.
Application November 21, 1933, Serial No. 698,951
3 Claims. (Cl. 2—236)



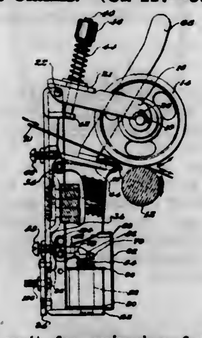
1. The method of making trousers which consists in forming a double curtain of a layer of inner lining and a layer of face lining by stitching a double fold of said face lining to said inner lining by a row of stitches, and folding the face lining back upon itself over said row of stitches, thereby to conceal the same and to form a free folded edge intermediate the two outer extreme edges of the curtain, folding the unfinished edge of the face lining of the curtain about the free edge of the inner lining of the curtain, folding inwardly the free upper edge of the cloth of the trousers, securing said inturned edges to each other by a row of stitches extending through the same, superimposing the second curtain of the double curtain upon the upper terminal portions of the pockets which have been previously tacked to the cloth of the trousers, and tacking the free folded edge portion of the second curtain to the underlying fabric layer by a successive series of alternately shifted stitches;—alternate stitches engaging only the curtain and alternate stitches engaging only the pocket or cloth layers, as the case may be, and both said stitches being invisible from without.

2,044,237
WATER HEATER
Alexander Altieri, Philadelphia, Pa.
Application February 5, 1935, Serial No. 5,061
2 Claims. (Cl. 257—248)



1. A water heater for gas ranges, comprising an annular casting having adjacent upper and lower, outwardly projecting, integrally formed, threaded bosses for connection to a water circulating system, and having a helical water pipe embedded therein, the lower helix of the pipe opening into the lower boss and the upper helix of the pipe opening into the upper boss, said casting having radially extending, heat collecting flanges projecting from the top and from the bottom thereof, and inclined inwardly and outwardly extending heat collecting flanges.

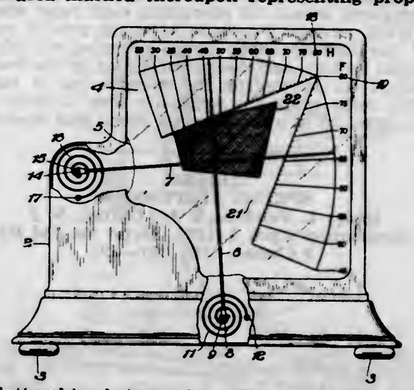
2,044,238
STOP MOTION
George M. Arragg, Lawrence, Mass., assignor to Arlington Mills, Lawrence, Mass., a corporation of Massachusetts
Application August 3, 1933, Serial No. 683,438
5 Claims. (Cl. 117—30)



1. A lifter unit for spinning frame stop motions comprising a frame, a delivery roll bracket carried by the frame and having side arms, each side arm having a laterally extended boss with an arcuate downwardly extending recess, and an arcuate bushing comprising a piece of malleable metal lining the recess and having a retaining tab overlying the boss.

2,044,239
AIR CONDITION INDICATOR
Frank Bullock, Lake Geneva, Wis., assignor to Middlebury Electric Clock Corporation, Chicago, Ill., a corporation of Illinois
Application November 7, 1934, Serial No. 751,872
3 Claims. (Cl. 73—24)

3. An air condition indicator as described comprising, a hygrostatic element, a thermostatic element, indicator hands, one for each of said elements, said elements and said hands being so arranged that the hands will move in parallel planes and cross one another throughout the entire range of normal operation thereof, and a dial having relative humidity and temperature scales thereon in registration with the indicator hands associated with the hygrostatic and thermostatic elements respectively, a portion of said dial having an area marked thereupon representing proper



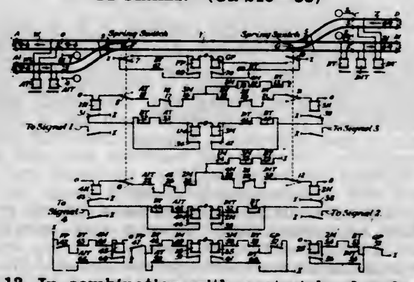
relationships between humidity and temperature for health and comfort, the existence of which is evidenced by the crossing of said hands over said area.

2,044,240
SPINNING ROPE
Constantine A. Daniels, Grand Rapids, Mich.
Application August 23, 1934, Serial No. 741,088
2 Claims. (Cl. 46—51)



1. A spinning rope comprising a hondo secured at one end thereof and adapted for frictional engagement with the sides of the rope to form a fixed adjustable spinning loop of predetermined size in one end thereof, a handle secured to the other end of said rope and having a swivel connection therewith whereby a spinning motion may be imparted to the rope and the fixed loop by rotary motion imparted to the handle.

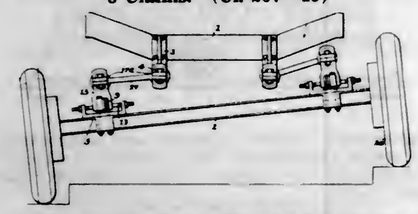
2,044,241
RAILWAY TRAFFIC CONTROLLING APPARATUS
Charles W. Bell, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 1, 1935, Serial No. 4,548
Renewed November 9, 1935
14 Claims. (Cl. 246—33)



13. In combination with a stretch of railway track including a track switch, a plurality of

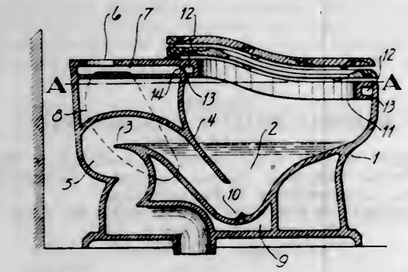
signals governing traffic into said stretch, a plurality of relays one for each signal, means for clearing each signal when the associated relay is energized, means for energizing each relay when a train occupies a definite approach zone in rear of the corresponding signal provided no other signal is clear, and means controlled by the track switch for preventing the energization of each such relay when the approach zone therefor is occupied by a train receding from said stretch.

2,044,242
SPRING SUSPENSION
Henry L. Fairclough, Jr., Clifton, N. J.
Application April 4, 1934, Serial No. 718,938
8 Claims. (Cl. 267—19)



1. The combination, with a load structure and a load-carrying structure each having abutment means, of a pair of links articulatively supported against the abutment means of one and free of the other structure and projecting therefrom oppositely to each other and spring-devices arranged to yield laterally and substantially rectilineally and with which the links are articulatively connected supported against the abutment means of the other structure, the links being normally substantially alined with each other.

2,044,243
WATER CLOSET BOWL
Gordon P. Gavin, Kohler, Wis.
Application June 7, 1935, Serial No. 25,367
3 Claims. (Cl. 4—69)

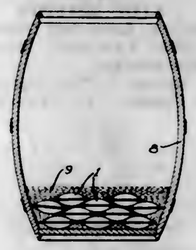


1. A water closet bowl comprising, in combination, a syphon discharge passageway terminating in a well adapted to retain water to provide a water seal, a jet adapted to discharge into said syphon discharge passageway, a reservoir positioned above the water level in said well, a water inlet to said reservoir, a channel providing communication between said reservoir and said jet, a flushing rim positioned above the water level in said well and completely enclosed except for a plurality of flush holes therein and a channel providing communication between said reservoir and said flushing rim, the channel providing communication between said reservoir and said flushing rim and one or more of said flush holes being above the level of the top of said flushing rim at its lowermost point said reservoir being completely enclosed except for said inlet, said jet communicating channel and said flushing rim communicating channel.

2,044,244
CHROMATE-ION REACTION
William J. Harshaw, Shaker Heights, Ohio, assignor to The Harshaw Chemical Co., Cleveland, Ohio, a corporation of Ohio
No Drawing. Application January 17, 1933, Serial No. 652,197
11 Claims. (Cl. 23—57)

1. A process of reacting with chromate ions, which comprises subjecting a sparingly soluble lead compound from the group consisting of divalent oxides and carbonates, in suspension in water in the presence of a salt tending to dissolve the lead compound, to the action of chromic acid.

2,044,245
PACKAGING FOODS
Ross C. Irons, Bellevue, Ohio
Application November 12, 1934, Serial No. 752,551
3 Claims. (Cl. 99—190)



1. A storage for fermentable food products comprising a primary container, and a plurality of flexible walled packages for said food product received in said primary container and submerged in a preserving liquid said packages having stitched closures which stitching also provides vent openings.

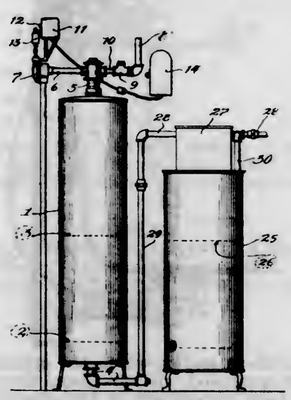
2,044,246
CLEANING COMPOSITION
Frank R. Johnson, Floral Park, N. Y.
No Drawing. Application November 23, 1932, Serial No. 644,078
1 Claim. (Cl. 87—5)

A permanently clear liquid cleaning composition which is adapted for use with water, comprising in parts by weight, soap about 5 parts, 10 to 15 parts by weight of water, Turkey red oil (75%) about 15 to 25 parts, trichlorethylene about 20 to 35 parts, petroleum spirit about 25 to 50 parts, trisodium phosphate about 2 parts, and about ½% to 1½% of the total weight of the above ingredients in free higher fatty acid.

2,044,247
AUTOMATICALLY REGENERATING WATER SOFTENER
William J. Kenney, Chicago, Ill.
Application May 20, 1926, Serial No. 110,210
15 Claims. (Cl. 210—24)

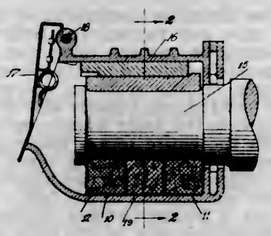
1. In a water softening apparatus, a treating tank having a waste outlet and a service outlet, a single valve associated with said waste outlet, the

parts being constructed and arranged to permit a greater flow of liquid through said valve than through said service outlet, clock controlled means to open said valve and again close it after a predetermined interval of time, a water supply



pipe, a source of supply of brine, and means associated with said pipe and said source to cause a predetermined amount of brine to flow through said treating tank when said valve is open and to prevent brine from flowing when said valve is closed and the service outlet open.

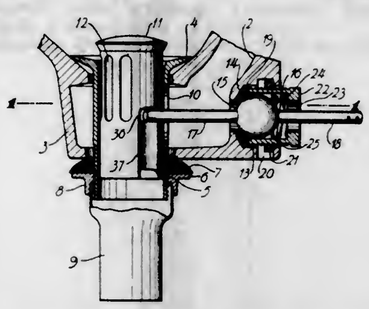
2,044,248
LUBRICATING PAD
Morris Keys, Chicago, Ill.
Application February 20, 1936, Serial No. 64,813
1 Claim. (Cl. 308—88)



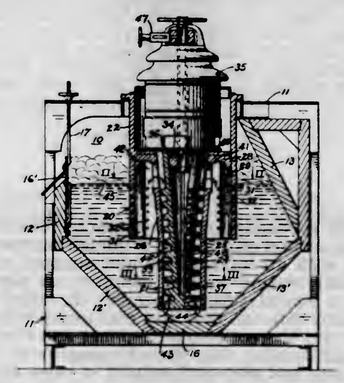
A lubricating pad comprising a flexible casing, a body of oil-absorbent material in the said casing, and springs in the said casing for distending the said casing so as to urge the outer surface thereof into bearing contact with a surface to be lubricated by the said pad, said casing having an opening formed therein, in the upper side thereof, through which lubricating oil may be poured into the said oil-absorbent body therein.

2,044,249
SUPPLY AND WASTE FITTING
Carl J. Kohler, Kohler, Wis.
Application May 17, 1935, Serial No. 22,023
14 Claims. (Cl. 4—200)

1. A waste fitting comprising a waste plug valve, means for operating said valve and connecting means on said waste plug valve, said connecting means engaging said operating means to operatively connect said waste plug and said operating means and to lock said waste plug valve against removal and against further rotation upon turning of said waste plug valve in one direction and to disengage said connecting means upon turning of said waste plug valve in the opposite direction.



2,044,250
APPARATUS FOR RECOVERING VALUES FROM ORE PULP
Max Kraut, San Francisco, Calif., assignor to Pan-American Engineering Corporation, Ltd., San Francisco, Calif., a corporation of California
Application January 11, 1933, Serial No. 651,175
7 Claims. (Cl. 261—93)

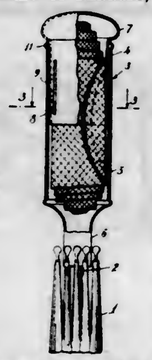


1. In a flotation apparatus which includes means for introducing air into a body of pulp in transit, a flotation chamber for receiving a body of pulp, and means communicating with said chamber adapted for conveying pulp, said last mentioned means including a shell, a core, and means operatively between the shell and core for subjecting pulp in transit to squeezing pressure, said shell and core having relative rotation one to the other.

2,044,251
UMBRELLA HANDLE
Joseph E. McWilliams, New York, N. Y.
Application September 22, 1933, Serial No. 690,549
10 Claims. (Cl. 135—47)

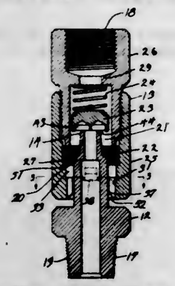
1. In a handle for umbrellas, a pair of open-ended members, said members being readily separable and having their open ends opposing each

other and the members together forming a receptacle for a bundle of rubbers, the side walls



of each member engaging substantially half of the bundle.

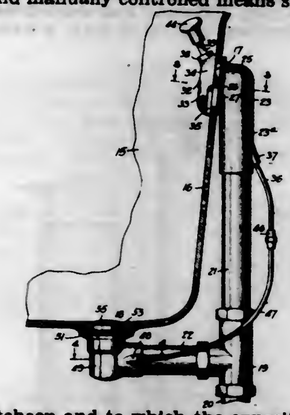
2,044,252
COUPLING
Malcolm E. Mitchell, Peter E. Mortensen, and Harold W. Fowler, Oakland, Calif.; said Mitchell assignor to said Mortensen and said Fowler
Application April 16, 1934, Serial No. 720,760
3 Claims. (Cl. 284—19)



1. In a coupling of the character described, a female section comprising, a tubular member provided with an internal annular support, a compressible sealing washer mounted on said support, a second tubular member threaded longitudinally into the first and positioned within the inner end thereof bearing against and compressing said washer into sealed engagement jointly with said end and said support, a valve mounted in said second member and movable to and from a passage closing position on said washer, a tubular male section having an end insertible in said first member and extendable through said washer for displacing said valve therefrom and placing the passages of said male and female sections in communication, said male section end being tapered to provide a wedged engagement with said washer, and means for holding said male and female sections in attached position.

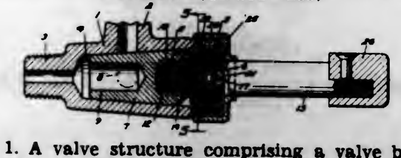
2,044,253
BATHTUB STOPPER
George J. Merris, Los Angeles, Calif.
Application November 20, 1934, Serial No. 753,960
12 Claims. (Cl. 4—203)

1. In a stopper adjusting mechanism for bath tubs, an overflow escutcheon; a vertically movable outlet stopper; a flexible cable to one end of which the stopper is secured; means in which the cable is encased and disposed for longitudinal movement; and manually controlled means slidable in



the escutcheon and to which the opposite end of the cable is secured, whereby to enable the stopper to be moved respectively in two directions when the sliding means is correspondingly moved.

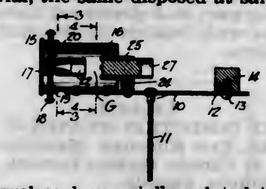
2,044,254
LOCKING VALVE
Ervin H. Mueller, Detroit, Mich.
Application February 25, 1935, Serial No. 7,937
7 Claims. (Cl. 251—165)



1. A valve structure comprising a valve body having a valve seat therein, the body having a part projecting beyond the valve seat, said part having oppositely disposed notches, a valve member rotatable on the seat, an operating stem having its forward end slidably and non-rotatably connected to the valve member whereby said end imparts the entire rotary movement to the valve member, a spring acting upon the stem, oppositely disposed locking projections carried by the stem and located to the rear of the said forward end, a locking washer disposed within the said projecting part of the valve body, said locking washer having oppositely disposed U shaped formations projecting beyond the outer peripheral edge of the washer and said projecting parts located in the said notches and adapted to receive the locking projections and a cap through which the stem extends and screw threaded to the projecting part of the valve body.

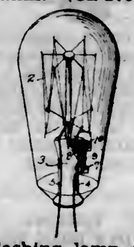
2,044,255
DENTAL MACHINE
Norman N. Nechtow, Los Angeles, Calif.
Application September 22, 1934, Serial No. 745,155
4 Claims. (Cl. 12—5.7)

1. In a dental device of the class described, a barrel open at one end; a closure cap removably fitted to the opposite end of the barrel; an impression holder carried by the cap; means for removably attaching the cap to the barrel and for supporting the impression holder in the barrel for distribution of modeling material to the impression; a revoluble arm on which the barrel is mounted; and a holder on the arm for said modeling material, the same disposed at said open end



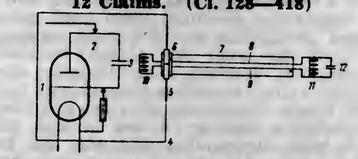
of the barrel and co-axially related to said impression holder for distribution of said material to said impression when the arm is revolved.

2,044,256
AUTOMATIC FLASHING LAMP
Paul A. Nothstine, Dayton, Ohio
Application July 18, 1927, Serial No. 206,566
12 Claims. (Cl. 176—14)



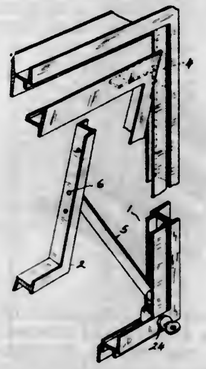
1. A unitary flashing lamp including a bulb having a non-conducting chamber, a filament and an automatic circuit breaker both included in said chamber, circuit leads for continuously supplying current to the filament, said circuit breaker including a magnet cooperating with an electrothermal element carrying one of the contacts of the circuit breaker, said element within the bulb controlling the operation of the filament and in turn controlled thereby.

2,044,257
APPARATUS FOR ELECTROMEDICAL TREATMENT
Johannes Pätzold, Berlin-Charlottenburg, and Hermann Böhm, Berlin, Germany, assignors, by mesne assignments, to Siemens-Reiniger-Werke, Aktiengesellschaft, Erlangen, Germany, a corporation of Germany
Application November 17, 1931, Serial No. 575,594
In Germany November 18, 1930
12 Claims. (Cl. 128—418)



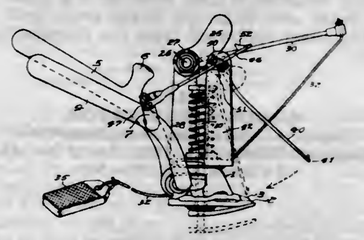
1. In a system for applying medical treatment with electric oscillations of very high frequency, a generator, a metal housing therefor, treatment means disposed at a distance from said generator, line means for transmitting energy from said generator to said treatment means, a rigid metal envelope enclosing said line means, and a joint connecting said rigid envelope with said generator housing, said joint including means whereby said rigid envelope may be selectively rotated and angularly moved in a plurality of planes relative to said generator housing.

2,044,258
WINDOW
Samuel C. Reynaud, Detroit, Mich., assignor to Detroit Steel Products Company, Detroit, Mich., a corporation of Michigan
Application February 29, 1932, Serial No. 595,884
6 Claims. (Cl. 189—69)



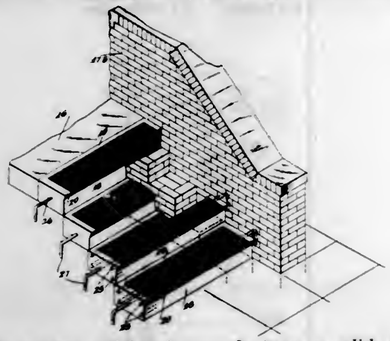
1. In a window construction, the combination with a frame and a sash on said frame normally movable to a predetermined open position, of a bracket upon one of said members and an arm operatively connected to the other of said members and adapted to be operatively connected to said bracket providing for and limiting the opening movement of said sash to an open position between said predetermined open position and the closed position, a latch movable to a position to secure said arm to said bracket and also movable to a position to provide for disconnecting said arm from said bracket, and locking means for controlling said latch.

2,044,259
HAIR CLIPPER
Henry H. Roberts, Philadelphia, Pa.
Application June 1, 1935, Serial No. 24,465
11 Claims. (Cl. 30—1)



1. In a hair clipper comprising a pair of relatively reciprocable cutting blades and actuating means therefor, a gauge plate supported for movement toward and away from the blades, means including a flexible strand for moving the gauge plate away from the blades and yielding means for moving it in the opposite direction, a feed bar movable in an arcuate path toward and away from the blades, means operative to urge the bar toward the blades, and means interposed between the blade actuating means and the bar operative to move the bar away from the blades in periodic timed relation with the reciprocation of the blades.

2,044,260
PORTABLE CAST REENFORCED CONCRETE STEP
Henry Schiele, Oradell, N. J.
Application April 3, 1935, Serial No. 14,391
1 Claim. (Cl. 72—96)

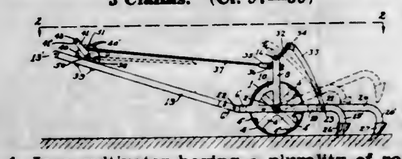


As a new article of manufacture, a solid slab constituting a stair step of substantially uniform rectangular cross section throughout its entire length, straight corrugated longitudinal reenforcing rods cast into said slab adjacent its four lengthwise corners, a single straight reenforcing rod passing lengthwise through the approximate center of said slab, said first named rods being completely embedded therewithin and said last named rod extended at both ends and bent at right angles to form anchors to engage end supports for the slab, and tie wires bonding all of said rods at intervals along their length.

2,044,261
ELECTROLYTIC PURIFICATION OF WATER
George T. Southgate, Forest Hills, N. Y.
No Drawing. Application August 20, 1935, Serial No. 36,988
6 Claims. (Cl. 204—25)

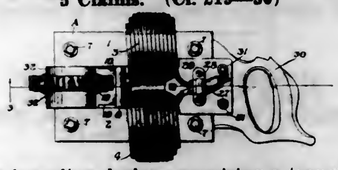
1. In the electrolytic purification of water the improvement which comprises withdrawing portions of the solutions formed in the cathodic and anodic zones, subjecting the withdrawn liquids to thermal treatments that separate the water and the solutes, and returning to the electrolytic system the water recovered from the thermal treatments.

2,044,262
GARDEN CULTIVATOR
James A. Stevenson, Hamilton, Ohio
Application October 11, 1935, Serial No. 44,475
3 Claims. (Cl. 97—59)



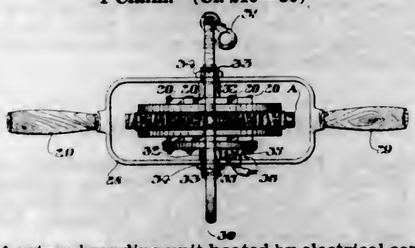
1. In a cultivator having a plurality of rollers revolvably mounted on a central shaft, frame members having the rear ends thereof mounted on and carried by said shaft, said frame members extending forwardly from the central shaft with their forward ends rigidly secured to a handle shaft, a beam member pivotally secured on each end of the central shaft and extending rearwardly therefrom, a spacer rod rigidly secured through each of said beam members and maintaining the same in spaced relation with each other, a shovel rigidly secured to the rear end of each of said beam members, and means for imparting upward and downward movements to said shovels with relation to the central shaft and the rollers.

2,044,263
ROTARY INDUCTION BRANDING UNIT
John Stoyan, East Kildonan, Manitoba, Canada, assignor to Canada Packers Limited, St. Boniface, Manitoba, Canada
Application December 13, 1934, Serial No. 757,413
5 Claims. (Cl. 219—30)



1. A branding device comprising a transformer core, a primary winding associated therewith, and a branding wheel comprising a metallic annulus having branding portions rotatably mounted with reference to the core so that most of the magnetic flux produced in the latter passes through the wheel in a substantially axial direction to heat the same by induced current.

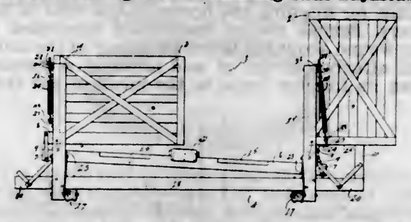
2,044,264
ROTARY CONDUCTION BRANDING UNIT
John Stoyan, East Kildonan, Manitoba, Canada, assignor to Canada Packers Limited, St. Boniface, Manitoba, Canada
Application December 13, 1934, Serial No. 757,414
In Canada November 24, 1934
1 Claim. (Cl. 219—30)



A rotary branding unit heated by electrical conduction comprising a circular heat conducting element, a branding surface surrounding said element, resistances mounted upon both sides of said heat conducting element, heat conduction plates upon the outer side of said resistances, heat insulation members upon the outer side of said plates, a shaft extending through said branding unit, means comprising slip rings and brushes for introducing electric current to said resistances, a yoke surrounding said unit and freely mounted upon said shaft and means for manually operating said unit over the object to be branded.

2,044,265
PORTABLE GATE
George H. Thomas, Walla Walla, Wash.
Application April 2, 1934, Serial No. 718,602
2 Claims. (Cl. 29—64)

1. In a gate, the combination with gate posts, and a gate panel pivotally attached thereto, of a combined yielding closing mechanism and panel bumper consisting of a yoke hingedly attached to said panel, and provided with rollers secured thereto and adapted to engage said posts, and tension members attached at one end to said yoke and having their remaining ends adjustably



attached to said posts above the pivot of said panel and disposed and adapted to cause contact of the said rollers with said posts to increase the tension of said members prior to the closing moment, and afford a panel bumper therefore.

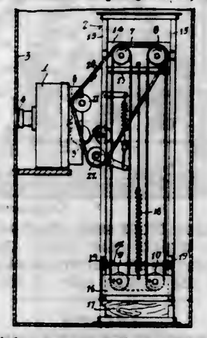
2,044,266
CARD DEALING DEVICE
Louis F. Weber, Worcester, Mass.
Application September 17, 1935, Serial No. 40,952
8 Claims. (Cl. 273—149)



1. A card dealing device comprising a plurality of rotatably mounted discs equal to the number of cards to be dealt, each disc having a notch to receive its particular card, each disc being the same thickness as the card, each disc also having a notch in its opposite side edges and having a stop for limiting its rotation, the latter notches being of different lengths, the whole series of discs being divided in this respect into a number of series equal to the number of hands to be dealt and the arcuate lengths of the second notches in each of said series being the same.

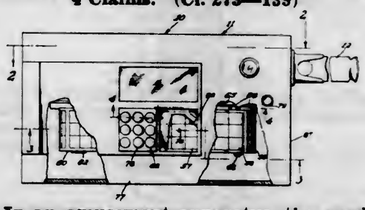
2,044,267
FILM MAGAZINE
Lynn E. Wiggins, El Monte, Calif.
Application April 14, 1934, Serial No. 720,588
2 Claims. (Cl. 88—16.7)

1. A machine for supporting a continuously moving endless motion picture film of substantial length within a compact space, comprising an even number of sets of film-supporting and feeding rollers of substantial length relative to the width of the film to be supported, each set consisting of a lower horizontal roller and an upper horizontal roller parallel to the lower roller and positioned a substantial distance thereabove, the upper rollers of the different sets being closely positioned parallel to and alongside each other, and the lower rollers of the different sets likewise being closely positioned parallel to and alongside each other, guide means for maintaining an endless film wound always in the same direction over the upper roller and under the lower roller of each set in a flattened helical path from one end to the other of the rollers of that set, and wound always in the same direction over the rollers of the different sets, thence to the adjacent end of the next set of rollers and from the last set of rollers directly back to the starting point on the first set of rollers, whereby the film is movably supported in a closed path with all portions of the film parallel to a common axis, and guide means for taking off a closed loop of film from said closed path to a projector, each of said



rollers comprising a smooth continuous cylinder and said first mentioned guide means being independent and separate from and out of contact with said rollers, said lower rollers being slidably mounted for free vertical movement within limits, the weight of the rollers being normally in part supported by the film looped thereunder, and a spring means at each end of each pair of said lower rollers for in part supporting the weight of those rollers.

2,044,268
AMUSEMENT APPARATUS
Harry E. Williams, Los Angeles, Calif.
Application August 23, 1935, Serial No. 37,419
4 Claims. (Cl. 273—139)

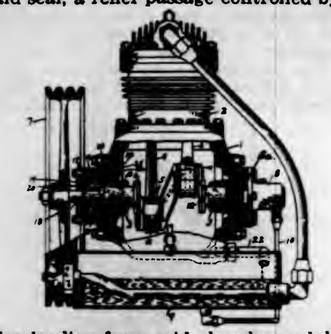


1. In an amusement apparatus, the combination of: a cabinet, a web of penetrable material in said cabinet; a plurality of members movably mounted in said cabinet and selectively engageable with said web for perforating the same; and means for advancing the said web so as to move the portion of the same perforated by a preselected one of said members into position to be seen.

2,044,269
LUBRICATING SYSTEM
Walter W. Williams, Bloomington, Ill.
Application November 7, 1934, Serial No. 751,800
6 Claims. (Cl. 184—6)

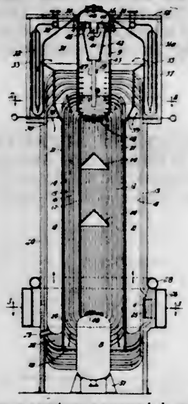
1. A lubricating system for power-driven shafts including a bearing member enclosing one end of the shaft and mounting a lubricating pump, a bearing member surrounding the other end having a closed recessed chamber about a portion of the shaft, a fluid seal between the shaft and chamber closure, a lubricating duct in the shaft

communicating with the discharge side of the pump and said chamber, placing the lubricant in said chamber under sufficient pressure to lubricate said seal, a relief passage controlled by a re-



lief valve leading from said chamber, a lubricant collector into which said relief passage opens, and a lubricant pipe communicating with said collector and the intake side of the pump.

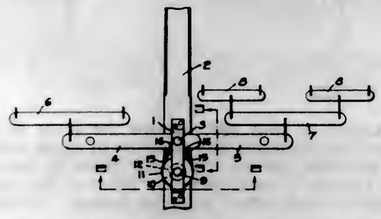
2,044,270
STEAM GENERATOR
Wilfred Rothery Wood, New York, N. Y., assignor to Combustion Engineering Co. Inc., New York, N. Y., a corporation of Delaware
Application June 19, 1934, Serial No. 731,223
18 Claims. (Cl. 122—235)



1. A steam generator comprising upright upper and lower drums, upright boiler tubes connected at their lower ends directly into the lower drum and at their upper ends directly into the upper drum, said tubes being circularly arranged in groups with an annular space therebetween constituting an annular combustion chamber, a slag retaining bottom for said chamber, means for introducing fuel into said chamber adjacent said bottom to be burned in space therein, and a top outlet for the chamber, said annular combustion chamber being unobstructed in the portion between the point of fuel admission and said bottom.

2,044,271
DRAFT EQUALIZER
Gordon Terrence Kenzie Woodley, Waterford, Ontario, Canada
Application April 18, 1935, Serial No. 17,030
2 Claims. (Cl. 278—14)

1. In a draft equalizer for employment on vehicles to which unequal numbers of horses are hitched on opposite sides of a laterally swingable tongue, the combination with a tongue, of a drum rotatable thereon and having two peripheries of different radii, opposed laterally extending levers pivoted on the tongue on a common fulcrum, means for hitching the horses to the ends of the levers, flexible means operatively connected to and wound about the larger periphery of the drum and attached to one of said levers at a distance from its fulcrum equal to the mean of the radii



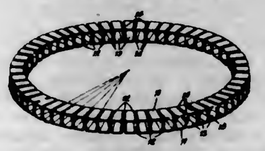
of the drum peripheries for hitching the lesser number of horses, and flexible means operatively connected to and wound on the smaller periphery of the drum and attached to the other of said levers at a distance from its fulcrum equal to the mean of the radii of the drum peripheries for hitching the greater number of horses, the ratio of the radii of the drums being equal to the ratio of the number of horses hitched to the respective drum peripheries.

2,044,272
PISTON RING
Victor F. Zahodiakin, Cincinnati, Ohio, assignor to The Z-Flex Piston Ring Corporation, a corporation of New Jersey
Application November 24, 1933, Serial No. 699,571
7 Claims. (Cl. 309—29)



1. A piston ring, as an article of manufacture, constituted of strip sheet material including loops forming a multiplicity of tubes opening at the peripheries of the ring in a plurality of rows in relatively different planes, and the tubes of one row staggered to the tubes of a second row.

2,044,273
PISTON RING
Victor F. Zahodiakin, Cincinnati, Ohio, assignor to The Z-Flex Piston Ring Corporation, a corporation of New Jersey
Application March 24, 1934, Serial No. 717,202
8 Claims. (Cl. 309—24)



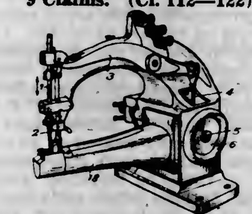
1. As an article of manufacture, a piston ring fabricated of sheet material, comprising, superimposed corrugated ring sections having their corrugations extended toward each other and in tip abutment to provide passageways open at the inner and outer peripheries of the ring, said sections fused together.

2,044,274
PISTON RING
Victor F. Zahodiakin, Cincinnati, Ohio, assignor to The Z-Flex Piston Ring Corporation, a corporation of New Jersey
Application June 1, 1934, Serial No. 728,569
7 Claims. (Cl. 309—24)



1. A piston ring formed of thin flexible sheet material, said ring fabricated of independent tubes circumferentially abutted and secured together, and radially disposed to provide passageways opening at the inner and outer peripheries of said ring.

2,044,275
METHOD OF AND MACHINE FOR EFFECTING COMBINED FASTENING AND SEAM COVERING STITCHES
Ernst Bucher, Zurich, Switzerland, assignor to the firm Mauser-Werke A.-G., Oberndorf-on-the-Neckar, Wurttemberg, Germany
Application August 31, 1933, Serial No. 687,686
In Switzerland September 10, 1932
9 Claims. (Cl. 112—122)



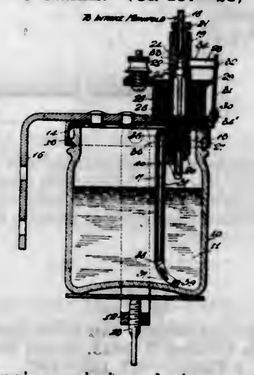
1. In a method of mechanically effecting combined fastening and seam covering stitches on fabrics to be sewed together, the steps of guiding the marginal fabric portions adjoining each other in a downwardly folded relation at any convenient angle to a common direction of stitching towards the position of sewing, trimming the edges of said downwardly folded marginal portions close up to the fabrics, piercing the folded marginal portion of the upper fabric at least at the extreme edge of said fold and the marginal portion of the lower fabric, for effecting the fastening stitching, and piercing both fabrics on either side of said fold, for effecting the stitching for covering the edges of said marginal portions on the underside of the flat seam.

2,044,276
CONTAINER CLOSURE
Roman B. Bukolt, Stevens Point, Wis.
Application August 1, 1934, Serial No. 737,987
11 Claims. (Cl. 220—55)



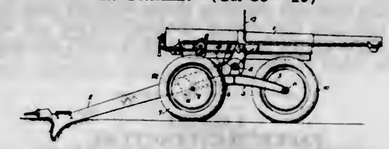
1. A container having an outwardly facing sealing ring seat, a sealing ring engaging said seat, a snap disk at the outer side of said sealing ring for exerting an inward force to seat said sealing ring, a fulcrum rim fixedly carried by the container and disposed at the peripheral edge of said snap disk, and means releasable by turning of said snap disk for detachably connecting said snap disk with said rim, said turning being permitted by outward snapping of said snap-disk, said snap-disk having a portion for use in outwardly snapping it.

2,044,277
ENGINE PRIMING DEVICE
Roman B. Bukolt, Stevens Point, Wis.
Application January 14, 1935, Serial No. 1,765
5 Claims. (Cl. 137—21)



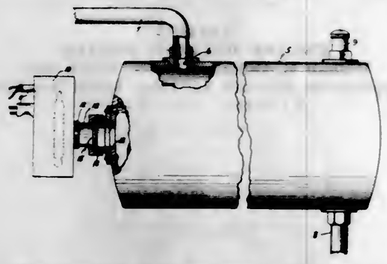
1. An engine priming device comprising an air-tight priming fuel reservoir, a conducting line through which the priming fuel is drawn from said reservoir by vacuum in said line, a normally closed fuel valve member in said conducting line, means for moving said fuel valve member to open position to allow withdrawal of priming fuel from the reservoir until lowering of the priming fuel level creates sufficient vacuum in said reservoir to prevent further withdrawal of priming fuel, and means for relieving the vacuum in said reservoir when said fuel valve member is again moved to closed position.

2,044,278
GUN CARRIAGE
Adolph P. Buquor, York, Pa., assignor to Martin-Parry Corporation, York, Pa., a corporation of Delaware
Application July 9, 1932, Serial No. 621,727
12 Claims. (Cl. 89—40)



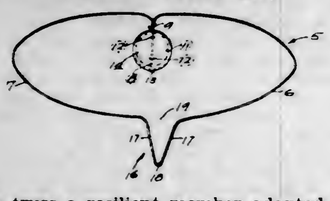
1. A gun carriage of the character described comprising in combination, a stationary axle having bearing portions and normally receiving artillery wheels, rocker units positioned on the opposite ends of said axle for rotary movement relative to the axle, each of said rocker units being provided with a hub secured to the rocker units for snugly engaging said bearing portion of said axle, said rocker units having forward and rearward extensions each provided with independent stub axles, and wheels mounted thereon for independent rotary movement, the transverse distance between wheels on opposite sides of said carriage being substantially the same as the transverse distance between said hubs.

2,044,279
METHOD OF PURIFYING COMMERCIAL CARBON DIOXIDE
Henry Graham Carmichael, Cincinnati, Ohio
Application March 7, 1934, Serial No. 714,537
4 Claims. (Cl. 23—150)



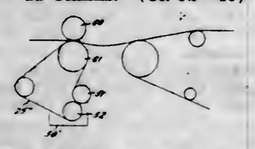
1. The method of transforming into innocuous substances the traces of deleterious chemical substances normally present in liquid commercial CO_2, said method consisting of passing ultra violet rays through the CO_2.

2,044,280
TRUSS
Charles E. Christman, San Francisco, Calif.
Application October 2, 1933, Serial No. 691,771
1 Claim. (Cl. 128—104)



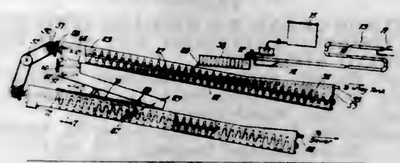
In a truss a resilient member adapted to encircle the body, the rear portion of the said resilient member being downwardly bent to form a V-shaped section, the front portion of the resilient member being provided with a vertically depending rod, a pad rotatably and slidably mounted on said rod, the lowermost portion of the said V-shaped section being adapted to engage the body at a point offset downwardly relatively to the resilient member and the said pad to cause a downward and oblique pressure on the said pad, and the resilient member being so bent that the said pad and the said V-shaped section are the only parts of the truss adapted to exert pressure on the body of the wearer.

2,044,281
PAPER MANUFACTURE
James d'A. Clark and John Traquair, Chillicothe, Ohio, assignors to The Mead Corporation, Dayton, Ohio, a corporation of Ohio
Application September 24, 1931, Serial No. 564,790
11 Claims. (Cl. 92—40)



1. Apparatus of the character described, comprising a forming wire, means for flowing fibrous stock onto the wire to form the paper web, a traveling pervious belt beyond the wire for receiving the formed web from the forming wire, a trough adapted to contain surfacing material, means for guiding said belt so as to travel within the surfacing material within said trough and thereby pick up a portion of said surfacing material, subjecting the felt to a controlled expelling force to limit the amount of filling material carried thereby, said belt being adapted to then contact with the wire side of the formed web to transfer a controlled portion of the remaining picked-up surfacing material to the wire side of the web.

2,044,282
MANUFACTURE OF CASEIN
Forest H. Clickner, Chicago, Ill., assignor to Kraft-Phenix Cheese Corporation, Chicago, Ill., a corporation of Delaware
Application September 28, 1933, Serial No. 691,360
4 Claims. (99—20)



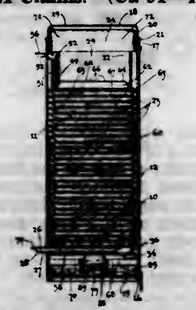
4. The improvement in the art of making casein having a pH of from 4.63 to 4.67, from milk which consists in quickly and intimately mixing together two continuous streams of mineral acid with fresh, (i. e. unpasteurized) skimmed milk which has been heated to about 110° F. by counter-flow means, whereby substantially none of said milk has been over-heated so as to produce a finely divided grained curd, there being an excess of acid so that the resulting whey will be distinctly acid, bathing while agitating the curd in said acid whey for between ten and twenty minutes so as to give time for the acid in the whey to penetrate to the interior of the granules and bring all of the casein to its iso-electric point, but before there has been any material sugar contamination, then immediately separating the whey from the curd, washing the curd and drying the same so as to reduce the moisture to about 6% or less.

2,044,283
RAILWAY FROG
John Edward Conley, Memphis, Tenn.
Application December 27, 1932, Serial No. 649,078
9 Claims. (Cl. 246—471)



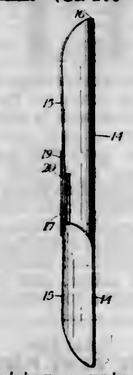
1. Railway frog including a body portion formed with a frog point, lateral rails one fixed with respect to said body portion and the other movable with respect to said frog point, yielding means, including a rod passing freely through apertures in said fixed and movable rails and said frog point, a spring on said rod reacting against the movable rail and normally biasing it into contact with said frog point, said rod and spring being thus solely supported by the frog structure, hold-down plates integral with said body portion, housings on said hold-down plates, and lateral extensions from said movable rail telescoping within said housings.

2,044,284
DEVICE FOR MOISTENING AND DISPENSING CLEANSING PADS
James B. Dargavel, Minneapolis, Minn.
Application June 9, 1930, Serial No. 459,860
21 Claims. (Cl. 91—46)



14. In combination, means for supporting adjacent one another a plurality of pads each having an absorptive surface, means for applying moisture to the absorptive surface of one of said pads, and means disposed between said pad and the adjacent pad for precluding absorption of the adjacent pad of moisture absorbed by the moistened pad.

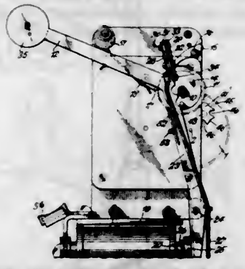
2,044,285
FAN
Leslie Lewis Dyer, Coventry, England, assignor to Humber Limited, Coventry, England
Application November 18, 1935, Serial No. 50,447
In Great Britain December 12, 1934
5 Claims. (Cl. 170—159)



1. A fan comprising, a pair of blades having straight leading edges substantially in alinement and curved trailing edges, a central blade-connecting, semi-tubular portion disposed substantially in the plane of the said blades and integral therewith, the said leading edges of the blades disposed substantially co-planar with the middle of the said semi-tubular portion, and the trailing edges of the blades disposed substantially co-planar with the longitudinal edges of the said semi-tubular portion.

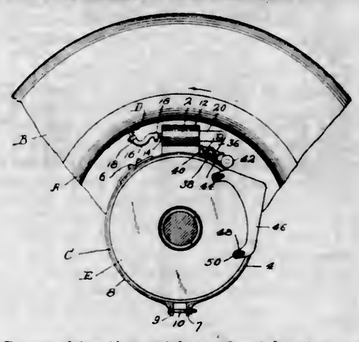
2,044,286
CLOCK
Arno W. Fowler, Highland, Ill.
Application October 12, 1931, Serial No. 568,280
3 Claims. (Cl. 185—40)

1. In a clock, a gear to be rotated, a shaft supporting said gear, a spring connecting said shaft and said gear for rotating said gear about said shaft, a train of gearing for rotating said shaft to wind said spring, a lever for operating said gearing, a second lever for moving said first lever to position to operate said gearing, gear



mechanism mounted on said shaft and said gear limiting extent of winding of said spring, means supported by said two levers for controlling operation of said second lever and for moving said first lever to said position, and mechanism for operating said second lever.

2,044,287
AUTOMATIC TIRE INFLATER
Eduard Frohwerk, Kansas City, Kans.
Application April 8, 1935, Serial No. 15,281
4 Claims. (Cl. 152—11.5)

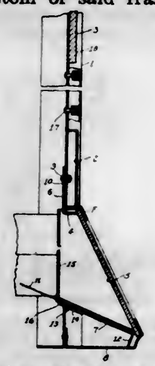


1. In combination with a wheel having a pneumatic tire and a brake drum, an air pump connected to said tire to supply the latter with air under pressure, strap means carrying said air pump and adapted to embrace the circumference of the brake drum, a bell-crank mounted upon and adapted to operate the air pump, and means for operating said bell-crank.

2,044,288
VENDING MACHINE CASING
Benjamin W. Fry, St. Louis, Mo.
Application May 6, 1935, Serial No. 19,941
2 Claims. (Cl. 312—118)

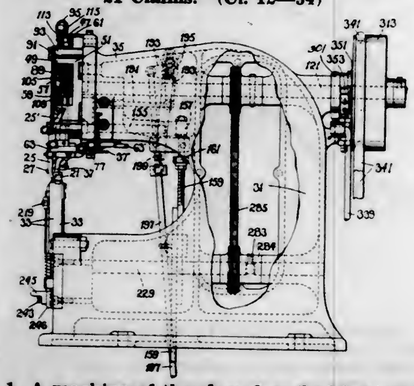
1. In a merchandising mechanism having an opening through which merchandise within the mechanism is visible, a display compartment on said mechanism at said opening and comprising a frame secured to said mechanism and extending forwardly of the same, a transparent plate extending obliquely and forwardly in said frame and engaging the latter, an angle member secured to said mechanism behind said frame and adjacent the top edge of said opening to adjustably engage the upper edge of said plate to hold

the latter in engagement with said frame, and a card holder extending obliquely from said opening to the bottom of said frame at an angle



different than that of said plate and having a forward flange to engage the bottom of said mechanism.

2,044,289
FOLDING MACHINE
Perley R. Glass, Salem, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application August 10, 1933, Serial No. 684,542
21 Claims. (Cl. 12—54)



1. A machine of the class described having, in combination, a post of small cross-section over the top of which the work is fed, there being a free and unobstructed space around said post, an arm overhanging the post, and mechanism for feeding the work, forming a fold in the margin thereof and pressing the fold, said mechanism including a creaser mounted on the arm and a cooperating folder for bending the margin of the work about the creaser mounted for movement on the post to carry the work-contacting end of the folder upwardly in one direction and then inwardly over the creaser in another direction.

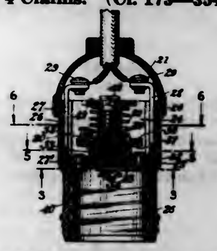
2,044,290
WIRING DEVICE
Albert E. Grant, New York, N. Y., assignor to Raylite Trading Co. Inc., New York, N. Y.
Application August 16, 1934, Serial No. 740,043
1 Claim. (Cl. 173—362)

A lamp socket comprising a body portion of moulded insulating material formed with a partition between its ends to provide an upper and lower chamber, the upper chamber having vertically extending slots formed in the side wall of the body portion, conductors of sheet metal riveted to said partition and extending therefrom thru said slots and having their upper ends bent



to extend laterally; a cap of insulating material having conductors fixed on its inner wall and bent laterally to engage and interlock with the conductors carried by the body portion to hold the cap and body portion together in separable relation, and a latch for preventing relative rotation of the cap and body portion.

2,044,291
WIRING DEVICE
Albert E. Grant, New York, N. Y., assignor to Raylite Trading Co. Inc., New York, N. Y.
Application August 16, 1934, Serial No. 740,044
4 Claims. (Cl. 173—354)



4. A lamp socket comprising a casing shell of moulded insulating material having an integral transverse connecting wall, a pillar moulded integral with one side of said wall and extending within the shell to form the axis of a rotatable switch mechanism, a circular periphery cam moulded integral with the casing and surrounding the base of said pillar, conducting means extending through said partition wall, said means comprising switch contacts overlying opposite sectors of said cam, a switch for bridging said contacts rotatable on said pillar, and means extending exteriorly of the casing for rotating said switch.

2,044,292
ZINC DUST PAINT
Lester D. Grady, Jr., Palmerton, Pa., assignor to The New Jersey Zinc Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 6, 1933, Serial No. 688,357
7 Claims. (Cl. 134—76)

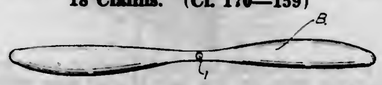
7. A method of retarding the evolution of hydrogen during the storage of zinc dust oil paints, said evolution being due to the reaction of metallic zinc in the zinc dust with water formed by reaction of zinc oxide in the zinc dust with free fatty acids in the oil, which comprises incorporating into the paint prior to storage a solid substance capable of holding the water by chemical combination or adsorption and preventing its reaction with the metallic zinc in the zinc dust, said substance having substantially no chemical affinity for zinc dust at the temperature at which zinc dust oil paint is usually stored.

2,044,293
METHOD OF MANUFACTURING PROPELLERS
Alfred A. Handler, Cleveland, Ohio, assignor to Aluminum Company of America, a corporation of Pennsylvania
Application August 19, 1929, Serial No. 387,017
15 Claims. (Cl. 29—156.8)



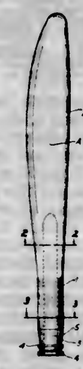
1. The method of making a propeller blade comprising gradually deforming a billet of metal into the shape of a tapering blade by applying a deforming force to the metal, progressively advancing the point of application of force from the root portion to the tip portion of the blade, progressively increasing the force from the root portion to the tip portion of the blade to gradually refine the grain structure throughout the length of the blade with a minimum of grain size contrast and to form flow lines conforming to the contour of the blade, and completing the shaping of the blade by forging operations without increasing the grain size contrast or destroying the flow lines.

2,044,294
PROPELLER
Alfred A. Handler, Cleveland, Ohio, assignor to Aluminum Company of America, a corporation of Pennsylvania
Application August 28, 1929, Serial No. 388,868
18 Claims. (Cl. 170—159)



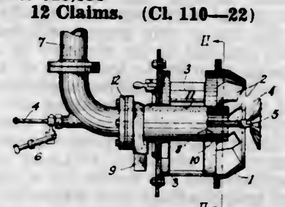
1. A metallic propeller consisting of a piece of metal in propeller shape and having flow lines conforming in direction to the contour of the propeller.

2,044,295
PROPELLER
Alfred A. Handler, Cleveland, Ohio, assignor to Aluminum Company of America, a corporation of Pennsylvania
Application August 28, 1929, Serial No. 388,869
28 Claims. (Cl. 170—159)



1. In propellers, integral hub and blade portions of metal, the metal of the hub having a grain structure that is characteristic of the metal when upset.

2,044,296
BURNER
Ralph M. Hardgrove, Westfield, N. J., assignor to Fuller Lehigh Company, New York, N. Y., a corporation of Delaware
Continuation of application Serial No. 310,450, October 5, 1928. This application May 10, 1932, Serial No. 610,383
12 Claims. (Cl. 110—22)



1. A burner for pulverized solid fuel, oil and gas comprising a ring forming the burner discharge outlet, a gas tube inside of and substantially co-axial with said ring, a pulverized fuel pipe inside of and substantially co-axial with said gas tube, and an oil feed pipe inside of and substantially co-axial with said pulverized fuel pipe, in combination with vanes on the inside of said ring extending beyond the ends of said pulverized fuel pipe and said gas tube, but behind the end of said oil feed pipe.

2,044,297
MANUFACTURE OF FERTILIZER
Herman L. Hartenstein, Chicago, Ill.
No Drawing. Application November 10, 1933. Serial No. 697,469
4 Claims. (Cl. 71—9)

1. The steps in the method of producing fertilizer from immature plants of the grain producing group which consists in harvesting the plants when the nitrogen and potash content therein is at a maximum and partially reducing the water content by subjecting the plants to the atmosphere, then reducing the plants to small parts, introducing therein liquid ammonia, allowing the mass to stand for a period of time to ammoniate the same to cause the nitrogen content present to exist in a water-soluble form as well as water-insoluble form, and finally drying and grinding the product.

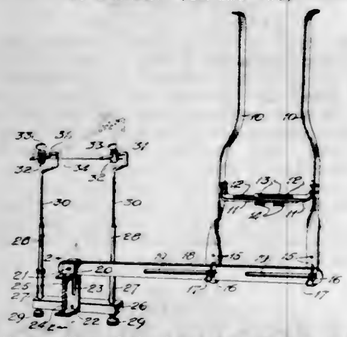
2,044,298
COUPLING
Carl B. Hasford, Dallas, Tex., and John B. McGay, Tulsa, Okla.
Application April 26, 1934, Serial No. 722,552
1 Claim. (Cl. 285—143)



A coupler designed to supply grease to a fitting secured on a machine part comprising a cap hav-

ing a key-hole slot and a chamber designed to freely receive a portion of said fitting, a second cap having a chamber and a central aperture in its end wall threaded into said first mentioned cap, a hollow, elongated body member threaded into said second cap and designed to have grease supplied thereto under pressure, a hollow grease supply piston slidably disposed for longitudinal movement in said body member, a needle tip provided on the end of said piston and designed to project into one end of the chamber in said first cap in spaced relation to the walls of said key-hole slot, a spring surrounding a portion of said piston and having one end engaging the end wall of said second cap, means on said piston upon which the other end of said spring engages whereby said piston is yieldingly retained in its retracted position and the needle tip is retained in said end of said chamber, and means in said piston, comprising inwardly directed landings, designed to have the grease pressure act thereon for advancing said needle tip against the resistance of said spring from its normally uncoupled position to its coupled position in sealing engagement with said fitting, said spring acting to return said piston and tip to their normal inoperative position when the grease pressure is removed.

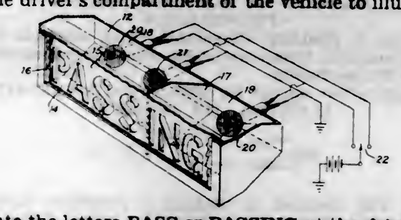
2,044,299
HIP SPLINT
Jesse E. Hawley, Warsaw, Ind., assignor to Zimmer Manufacturing Company, Warsaw, Ind.
Application November 11, 1935, Serial No. 49,275
15 Claims. (Cl. 128—84)



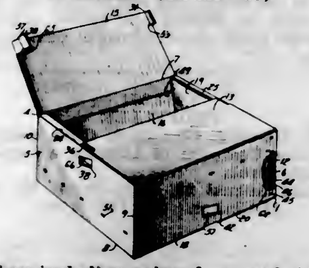
1. In a splint of the kind described, a positioning stirrup, an injured leg stirrup, a bar fixed to the first stirrup and connecting said stirrups, said second stirrup having rigid side members adjustable for length, screw means to adjust the lengths of said side members independently, pin holders mounted on the upper ends of said second stirrup sides the upper ends of said second stirrup sides being provided with means for slidable and rotatable adjustment of the pin holders, and means to secure the pin holders in adjusted position.

2,044,300
VEHICLE SIGNALING DEVICE
John A. Heans, Berkeley, Calif.
Application November 23, 1935, Serial No. 51,290
4 Claims. (Cl. 177—327)

1. A vehicle signaling device comprising a housing adapted to be mounted adjacent the rear end of a vehicle, said housing having an opening in one wall, an opaque stencil plate fitted to said opening and having the letters PASSING formed therein, and illuminating means controlled from the driver's compartment of the vehicle to illuminate the letters PASS or PASSING at the driver's option.

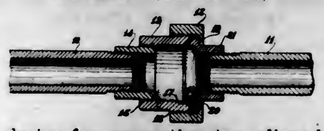


2,044,301
BOX
Irving Hill, Lawrence, Kans., assignor to The Lawrence Paper Company, Lawrence, Kans., a corporation of Kansas
Application October 22, 1934, Serial No. 749,394
19 Claims. (Cl. 229—39)



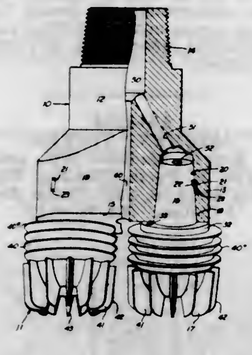
1. A box including pairs of opposed side walls, reinforcing flaps on one pair of said side walls, a closure flap on one of the side walls of the other pair, and tabs on the closure flap engageable between the said reinforcing flaps and said side walls when the closure flap is in closed position.

2,044,302
CONNECTING DEVICE
Rollin C. Holton, Cleveland, Ohio
Application September 19, 1934, Serial No. 744,702
2 Claims. (Cl. 285—13)



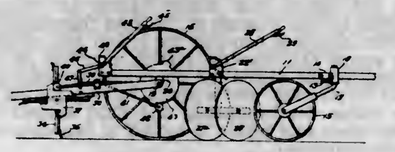
1. A device for connecting two aligned members having their adjacent ends spaced apart and provided with threads comprising, in combination, a sleeve having on one end, male threads and on the other end threads adapted to threadably engage the threads on the end of one of the aligned members, a flanged sleeve having threads adapted to threadably engage the threads on the end of the other aligned member, said flanged sleeve having an external flanged portion provided with a rearward surface and a forward sealing surface, the arrangement of the said sleeve and the said flanged sleeve being such that when they are both threadably engaged to their respective aligned members, there is sufficient space between their adjacent ends to allow either the said sleeve or the said flanged sleeve to be threadably disengaged from its aligned member without disaligning the aligned members, an extension for telescoping the said sleeve and arranged to extend to and engage the flanged sleeve, said extension having female threads adapted to threadably engage the male threads of the said sleeve and having a complementary sealing surface adapted to cooperate with the sealing surface of the flanged sleeve, and fastening means for securing the sealing surface of the flanged sleeve and the complementary sealing surface of the extension together to form a good connection.

2,044,303
WELL DRILLING TOOL
John H. Howard, Huntington Park, Calif., assignor to Globe Oil Tools Company, Los Nietos, Calif., a corporation of California
Original application May 13, 1933, Serial No. 670,845. Divided and this application April 1, 1935, Serial No. 14,118
10 Claims. (Cl. 255—71)



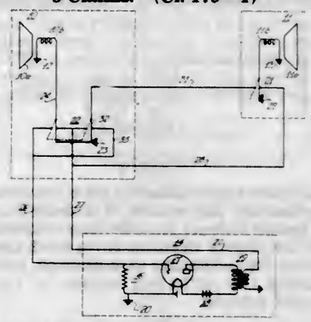
1. A well bit including, a body to be rotated in a well bore, a roller cutter on the lower end of the body rotatable about an axis inclined downwardly and rearwardly relative to the direction of rotation of the body, cutting parts on the cutters, and means for discharging fluid downwardly and rearwardly from the lower end of the cutter.

2,044,304
LAND BLOCKING MACHINE
Harold James, Booker, Tex.
Application September 9, 1935, Serial No. 39,817
1 Claim. (Cl. 97—55)



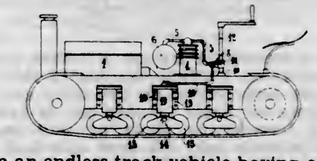
A soil blocking machine comprising a wheeled structure including an axle, a frame pivotally mounted on the structure, a pair of lister disks supported by the said structure for forming parallel ridges, a rotary structure including a plurality of radially disposed blades, said rotary structure being mounted in the pivotal frame, a ratchet on the rotary structure, a cam on the axle, a rocker mounted on the pivotal frame, one end of the rocker being engageable with the cam and the other end engageable with the ratchet.

2,044,305
COMMUNICATION SYSTEM
Harry W. Johnson, Cedar Rapids, Iowa, assignor to The Turner Company, Cedar Rapids, Iowa, a corporation of Iowa
Application July 1, 1935, Serial No. 29,233
5 Claims. (Cl. 179—1)



1. In an electrical communication system, a plurality of stations each having transmitting and receiving means, a circuit for connecting the stations, the circuit having input and output connections, means for selectively connecting the input or the output of the connecting circuit to one of the stations for transmitting and receiving respectively, and other means at one of the other stations adapted to break the circuit at the first station to change it from transmitting to receiving when it is in the transmitting condition.

2,044,306
ENDLESS TRACK VEHICLE
Adolphe Kégresse, Courbevoie, France
Application November 8, 1933, Serial No. 697,186
In France November 17, 1932
5 Claims. (Cl. 180—9.2)

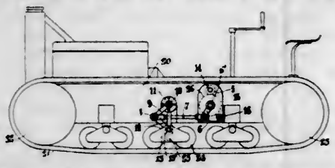


2. In an endless track vehicle having a chassis, a pair of spaced endless track-carrying wheels mounted on each side thereof, an endless track mounted on each side of the chassis on each pair of spaced wheels, a plurality of load-supporting rollers mounted on each side of the chassis and bearing on the ground-engaging stretches of the endless tracks, one of said rollers on each side of the vehicle being positioned approximately on a transverse line passing through the center of gravity of the vehicle, steering mechanism, means for lowering the rollers positioned at the center of gravity relative to the chassis to apply substantially the entire load on said rollers and to relieve the load on the other rollers, and means controlled by the steering mechanism for actuating said roller-lowering means.

2,044,307
ENDLESS TRACK VEHICLE
Adolphe Kégresse, Courbevoie, France
Application October 19, 1934, Serial No. 749,107
In France October 30, 1933
10 Claims. (Cl. 180—9.2)

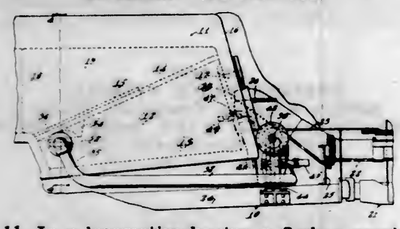
1. In an endless track vehicle having a chassis, a power unit mounted thereon, a pair of spaced

endless track-carrying wheels mounted on each side thereof, an endless track mounted on each side of the chassis on each pair of spaced wheels, a plurality of load-supporting rollers mounted on each side of the chassis and bearing on the ground-engaging stretches of the endless tracks, one of said rollers on each side of the vehicle be-



ing positioned approximately on a transverse line passing through the center of gravity of the vehicle, a toggle linkage for effecting vertical movebent of the rollers positioned on said transverse line, means for actuating said linkage, and means for coupling the actuating means to the power unit of said vehicle.

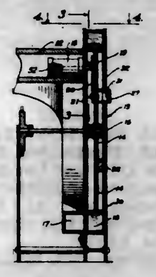
2,044,308
STOKER MECHANISM
Paul A. Ketchpel, West Englewood, N. J., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application December 16, 1931, Serial No. 581,314
Renewed May 1, 1936
13 Claims. (Cl. 110—101)



11. In a locomotive having a firebox provided with a backwall, a firing opening in said backwall, a fire-arch extending upwardly and rearwardly from the lower forward end of said firebox and terminating short of said backwall forming between said fire-arch and said backwall an escape passage for products of combustion, means for delivering fuel to said firebox including means for separating particles of fine fuel from the coarse fuel, means providing a passage for the delivery of the separated particles of fine fuel from said separating means to said firebox, said passage opening into said firebox at a point beneath said fire-arch and remote from said escape passage and means for projecting the coarse fuel into said firebox through the firing opening in said backwall.

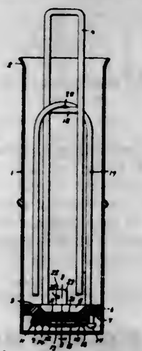
2,044,309
GAME APPARATUS
Claude R. Kirk and Edward E. Collison, Chicago, Ill., assignors to Standard Ticket Games Corporation, Chicago, Ill., a corporation of Illinois
Application December 3, 1934, Serial No. 755,680
4 Claims. (Cl. 273—121)

1. In a game apparatus, the combination of: a cabinet including a member providing a ball playing surface adapted to have balls propelled thereover and the spent balls being adapted to pass from the said playing surface to a point below the same; means for elevating the spent balls from a point below said playing surface up to the level of the same; means for latching said elevating means against operation after a predetermined number of balls have been elevated thereby from a point below said playing



surface up to the level of the same; and means, including an electromagnetic device, for moving said latching means out of latching engagement with said elevating means so as to permit operation of the latter.

2,044,310
SEDIMENT TESTER
Oliver D. Knight, Madison, Wis., assignor to Harold H. Puetz, Madison, Wis.
Application April 16, 1935, Serial No. 16,729
2 Claims. (Cl. 73—51)



2. A sediment tester comprising, in combination, a container for the reception of fluid, a piston operable in said container, means for actuating the piston, said piston having an opening therein for the passage of the fluid therethrough, a filter mounted beneath the piston and extending across the opening, means mounted on the bottom of the piston for removably securing the filter in position, and a check valve mounted on the piston for by-passing the fluid around the filter when said piston is moved in one direction in the container.

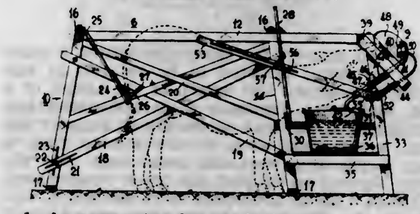
2,044,311
TIE HOLDER AND RETAINER SET
Martin F. Krohmer, Bucyrus, Ohio
Application July 3, 1934, Serial No. 733,658
5 Claims. (Cl. 24—49)

1. A tie holder and retainer set comprising looped means including means for securing the same to the shirt front of the wearer to receive the inner portion of a tie for free vertical movement through the loop thereof, looped means including means for securing the same to the outer portion of the tie to receive said inner portion



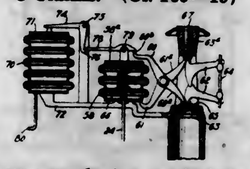
for free vertical movement through the loop thereof for connecting the tie portions together.

2,044,312
COMBINED ANIMAL RESTRAINING AND FEEDING DEVICE
Otto P. Laufer, Everett, Pa.
Application March 22, 1935, Serial No. 12,482
8 Claims. (Cl. 119—71)



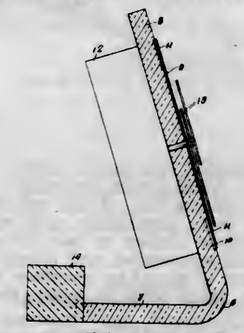
1. An apparatus for use in training young animals to feed, comprising means for holding an animal in a confined position, a hingedly mounted arm, a pipe swiveled on the arm, a nipple and guard supported by the arm, yielding means for retaining the guard and nipple in certain positions relatively to the arm, a liquid container, and means for conveying liquid from the container to said pipe.

2,044,313
FIRE EXTINGUISHING APPARATUS
Ernest A. Lowe, Fanwood, N. J., assignor to Automatic Sprinkler Company of America, Cleveland, Ohio, a corporation of Delaware
Original application October 16, 1930, Serial No. 489,012. Divided and this application June 29, 1934, Serial No. 732,984
5 Claims. (Cl. 169—19)



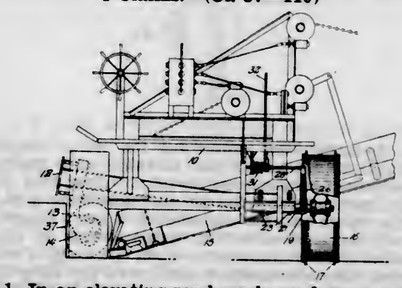
2. A pressure producing control device for use in a fire extinguishing system having a fluid distributing pipe, a control valve therefor, and pneumatic means for controlling the operation of said valve responsive to a pressure impulse, said pressure control producing device comprising a device collapsible to produce a pressure impulse, means tending to collapse said device, means restraining the collapse of said device comprising a detent, plural removable restraining means constructed and arranged to cooperate to support said detent whereby removal of any one of said restraining means effects release of the detent, one of said restraining means including fusible means destructible at a predetermined temperature to effect its release; and a rate of rise device for effecting removal of the other of said restraining means.

2,044,314
CLOCK
Gustave F. Mattman, Cincinnati, Ohio, assignor to The Cincinnati Advertising Products Company, Cincinnati, Ohio, a corporation of Ohio
Application August 9, 1935, Serial No. 35,507
4 Claims. (Cl. 58—56)



4. As a new article of manufacture, a clock comprising a body consisting of an integral sheet of transparent glass bent to provide two sections angularly disposed relative to one another whereby the bent sheet is adapted to be stood up on a supporting surface with at least one of said sections disposed in an upstanding position, an opaque clock face provided on said upstanding section, a clock mechanism attached to the upright section behind the clock face, and clock hands associated with the clock face and operatively connected with the clock mechanism.

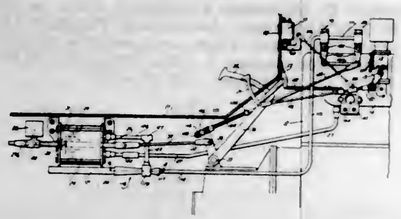
2,044,315
ELEVATING ROAD GRADER
William T. McGuire, Algona, Iowa
Application August 13, 1935, Serial No. 36,012
4 Claims. (Cl. 37—110)



1. In an elevating road grader, a frame, a plow mounted beneath the left side of the frame for cutting the wall of a furrow, a furrow wheel on the frame behind the plow, an axle having a

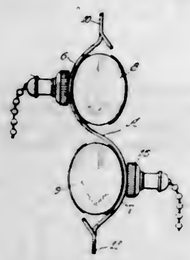
fork on its end tilted forwardly at an angle to the vertical, a spindle pivoted in the fork and having an arm for swinging the spindle in a plane inclined to the vertical plane of the axle, adjusting means connected to the arm, and a master wheel on the spindle.

2,044,316
VEHICLE BRAKING MEANS
Lester H. Messinger, Jr., Trumbull, Conn., assignor to Messinger Devices, Incorporated, Bridgeport, Conn., a corporation of Connecticut
Application March 17, 1934, Serial No. 716,091
14 Claims. (Cl. 192—3)



1. In combination in a motor vehicle equipped with a booster brake system including a connection with the intake side of the vehicle engine and a brake lever controlling said system, of means to apply a suction to said system independent of said connection, and means whereby said last means is placed in operation on movement of said brake lever to apply the vehicle brakes.

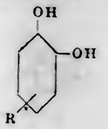
2,044,317
CONTROL SWITCH FOR TWO-FILAMENT LAMPS
Charles S. McGill and Rudolf Popp, Valparaiso, Ind., assignors to McGill Manufacturing Company, Valparaiso, Ind., a corporation of Indiana
Application January 12, 1934, Serial No. 706,440
2 Claims. (Cl. 240—78)



1. A suspending mounting for lamp control switches comprising a flat metallic strip having attaching means at one end for suspending the strip from a ceiling fixture and attaching means at the other end for suspending a lamp support therefrom, said attaching means being in substantial vertical alignment when the strip is suspended, the intermediate portion of the strip being formed S-shaped to receive a pair of pull-chain switches upon opposite sides thereof with the body portions of the switches in substantial alignment with the end attaching means.

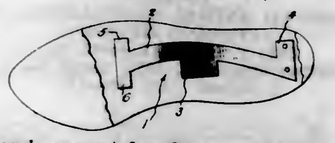
2,044,318
MONO-CYCLOHEXYL-1,2-DIHYDROXY-BENZENES
Lindley E. Mills and Bruce L. Fayerweather, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application October 9, 1935, Serial No. 44,232
3 Claims. (Cl. 260—154)

1. Mono-cyclohexyl-1,2-dihydroxybenzene having the following structural formula:



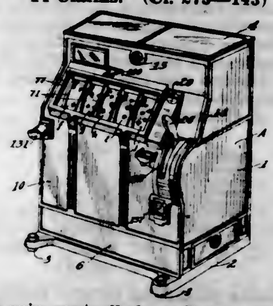
wherein R represents the cyclohexyl group.

2,044,319
SHANK SUPPORT
Thomas R. Newberry, San Angelo, Tex.
Application June 5, 1935, Serial No. 25,137
1 Claim. (Cl. 36—76)



An arch support for shoes comprising a plate of spring metal adapted to be secured in and extend throughout the length of the shank of a shoe, said plate having a main body or shank curved lengthwise and outwardly to support the outer longitudinal arch of the human foot, a flange projecting from said main body near the center thereof to support the inner longitudinal arch, and a flange projecting from one end of said body in the direction of the outer edge thereof to be secured to the heel end of the shoe and flanges extending in opposite directions from the other end of said body to form a support for the metatarsal arch of the foot.

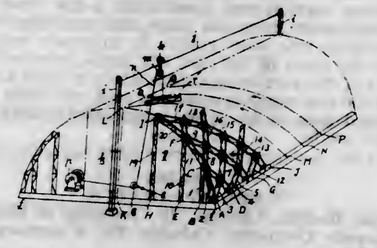
2,044,320
COMBINED VENDING AND AMUSEMENT MACHINE
George E. Norris, Columbus, Ohio
Application March 1, 1935, Serial No. 8,916
14 Claims. (Cl. 273—143)



1. In a coin controlled vending and amusement machine, a frame, a rock shaft supported by said frame, a plurality of primary and secondary sets of vertically arranged symbol-bearing reels ro-

tatably supported in spaced horizontal order on said shaft, said reels being provided with hubs having internal ratchet teeth, pawls eccentrically pivoted to said shaft and having their outer ends disposed for engagement with the internal teeth of said reel hubs, coin controlled means for rocking said shaft first in one direction to impart spinning rotation to the primary reels and then immediately thereafter in the opposite direction to impart corresponding rotation to the secondary reels, and timing mechanism for positively stopping the rotation of said reels in predetermined order.

2,044,321
METHOD OF CONSTRUCTING ARCUATE STRUCTURES WITH NO STAGING
Ichiro Nozawa, Tsukishima, Kyobashi-ku, Tokyo, Japan
Application July 1, 1935, Serial No. 29,350
In Japan July 4, 1934
2 Claims. (Cl. 108—1)



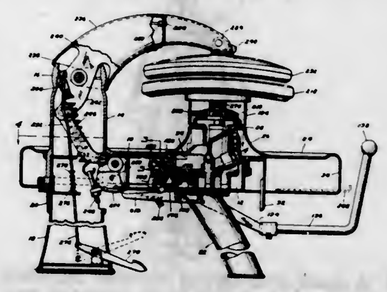
1. Method of constructing an arcuate structure having at least one end wall, comprising beginning to work at the corners of one end of the structure to assemble a plurality of unit members to form a substantially triangular pyramidal truss, extending the two faces of said pyramidal truss by assembling another plurality of unit members to form a second substantially triangular pyramidal truss, repeating the above-specified extending work until the vertex of the last pyramidal truss reaches the top of the structure, and then extending one face only of the last pyramidal truss by assembling another plurality of unit members until the structure is completed.

2,044,322
METHOD AND MEANS FOR BENDING TUBING
George F. Oliver, Detroit, and Harry G. Scholtz, Wyandotte, Mich., assignors to The Murray Corporation of America, a corporation of Delaware
Application June 16, 1934, Serial No. 730,886
11 Claims. (Cl. 153—63)



1. The combination with means for bending the tube to the desired dimensions, of a sizing element disposed on the inner portion of the tube at the points to be bent, means for actuating said bending means to bend the tube and the sizing element, and means for moving said sizing element longitudinally through the tube during the time the bending operation is being effected.

2,044,323
IRONING MACHINE
Wallace F. Oliver, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California
Application November 12, 1934, Serial No. 752,727
10 Claims. (Cl. 68—9)



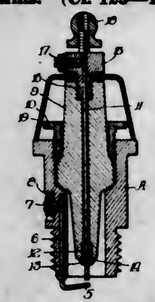
1. An ironing machine comprising cooperative ironing elements, means for moving one of the elements into operative position, a ratchet connected to this element, a pawl cooperating with the ratchet for retaining this element in operative position, means for actuating the other element to create an ironing pressure between the elements, and means for operating the actuating means including means for tripping the pawl upon completion of the ironing operation.

2,044,324
LATCH KNITTING NEEDLE
Charles L. Page, Philadelphia, Pa.
Application October 4, 1935, Serial No. 43,612
6 Claims. (Cl. 66—121)



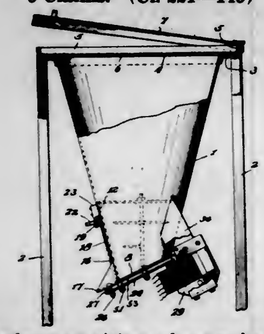
1. A latch knitting needle for circular knitting machines including a shank and its throat, a hook on the throat having a rear section, top bar and bill, said top bar being straight horizontally as to its undersurface for a distance substantially from the rear section to accommodate a plurality of yarns side by side in a horizontal sense and to retain the yarns in the inner angle of the hook, such angle being slightly rounded, a forwardly offset cheek having an indented rear portion with a slot and side walls of substantially standard dimensions, and a latch pivoted to said walls within said slot and having a spoon to close against the bill of the hook.

2,044,325
SPARK PLUG
Charles Pateck, Chicago, Ill., assignor of one-third to Frederick E. Hummel, Chicago, Ill.
Application May 25, 1933, Serial No. 672,773
4 Claims. (Cl. 123—169)



1. A spark plug having a center porcelain insulator, a top terminal block threaded into the insulator, a center rod electrode removably inserted through the insulator and having a plain end extending into a closed bottom opening in the terminal block and a set screw extending through the side of the block for holding the rod in the terminal block.

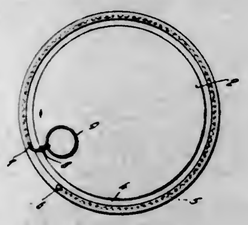
2,044,326
FEEDER
Luther Vance Pickell, Harriman, Tenn.
Application September 24, 1934, Serial No. 745,339
5 Claims. (Cl. 221—145)



1. A feeder comprising a hopper having an inclined bottom plate and an outlet adjacent the lower end of said plate, an armature disposed below and firmly connected with the bottom plate of the hopper and extending diametrically of the bottom from below the lower end thereof to below the upper end thereof and having its upper end portion free, a support depending from said hopper adjacent the upper end of the bottom plate, and an electro-magnet carried by said support and arranged below and adjacent the free end of the armature to impart vibration thereto and to the bottom plate.

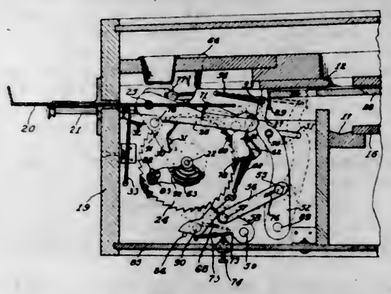
2,044,327
CAN OPENER
Edwin Mark Quimby, Columbia, S. C.
Application July 19, 1933, Serial No. 681,176
Renewed November 8, 1935
1 Claim. (Cl. 226—49)

In a can opener, the combination with the end cover of a can having a bulge pressed inwardly with respect to the can and materially spaced from the peripheral wall of the can, together with a shallow groove on the inside face of the can cover in close proximity to the bulge and extending all around the bulge, and a ripping wire snugly embracing the bulge and having one end extending through an opening provided therefor in the cover and handle means on said one



end; said wire being substantially wedge shaped in cross section and presenting a flat face intimately contacting the bulge, and a cutting edge extending into said groove in intimate contact with the cover of the can; the angle between two faces of the wire being substantially a right angle, and the angle between each of said two faces and a third face of the wire being substantially an acute angle.

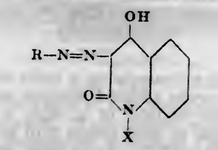
2,044,328
GAME APPARATUS
Bruno Radtke, Chicago, Ill., assignor to Exhibit Supply Company, Chicago, Ill., a corporation of Illinois
Application July 29, 1935, Serial No. 33,651
3 Claims. (Cl. 194—1)



1. In a game apparatus, the combination of: a cabinet including a member providing a ball playing surface having a ball-receiving pocket or exit opening therein; a member slidably mounted in said cabinet below said playing surface for temporarily retaining therein a ball which enters into said ball exit opening or pocket; a coin-controlled actuating member movably mounted in a wall of said cabinet for operating said ball-retaining member; a free game registering dial in said cabinet; means including a device actuated by a played ball at a preselected point in said cabinet for moving said free game registering dial in circumferential steps in a direction away from its initial or zero position; and means, controlled by the said first-named means, for latching said coin-controlled actuating member against operation when said free game registering dial has been moved away from its initial or zero position.

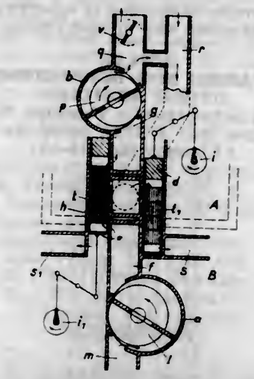
2,044,329
AZO DYES AND THEIR PRODUCTION
Max Raeck, Dessau-Haideburg in Anhalt, and Alfred Thurm, Dessau in Anhalt, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application December 14, 1934, Serial No. 757,563. In Germany February 25, 1933
12 Claims. (Cl. 260—38.5)

1. The azo dyes of the general formula



wherein R means a radicle of the benzene series free from sulfonic and carboxylic acid groups and X is the radicle of an aliphatic hydrocarbon with more than three carbon atoms, these dyes being insoluble in water and dyeing organic solvents, lacquers, fats, oils, resins, waxes and products obtained therewith clear greenish yellow tints.

2,044,330
AIR CONDITIONER
Alfred Richter, Berlin-Reinickendorf-Ost, Germany
Application March 6, 1933, Serial No. 659,868
In Germany March 5, 1932
10 Claims. (Cl. 62—170)
(Granted under the provisions of sec. 14, act of March 2, 1927; 370 O. G. 5)



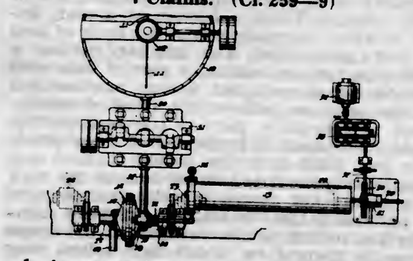
1. Process for cooling and heating air in an open cycle, one air-volume being cooled and another air-volume separated from the first one being heated, which comprises compressing air from the volume to be heated, cooling the compressed air, thereby condensing the moisture contained therein, expanding this air when entering the other volume, simultaneously leading from the cooled volume into the volume to be heated air which is heated by contact with condensed water of higher temperature and periodically changing the direction of flow of the air currents in such a way that the directions of flow of the two air currents are altered periodically, so that the moisture deposited by one air current is absorbed by the subsequent air current.

2,044,331
BEATER
Ivan Rogers, Detroit, Mich.
Application February 5, 1934, Serial No. 709,726
3 Claims. (Cl. 261—93)



2. A beater comprising, a frame, a rotatable handle on said frame, an agitating member, including blades, rotatably mounted on said frame, a second agitating member, including blades, rotatably mounted on said frame in closely spaced relationship to the first agitating member whereby the blades of one agitating member interlock or mesh with the blades of the other agitating member, means, operable by the said handle, for rotating the agitating members in synchronized relationship to one another and in opposite directions whereby the mixture which is being acted upon flows and enters between the agitating members, means for receiving air at substantially room pressure, said means being located at the bottom of each agitating member and having openings along a plurality of radial lines emanating from their respective axes of rotation, said means having an exterior of tapered shape so positioned as to reduce the air pressure adjacent said openings to cause air flow therethrough whereby part of the air bubbles upwardly through that portion of the mixture which is acted upon by the other agitating member and means for supplying the second mentioned means with air.

2,044,332
APPARATUS FOR FORMING CERAMIC PRODUCTS
Davidge H. Rowland, Baltimore, Md., assignor to Locke Insulator Corporation, Baltimore, Md., a corporation of Maryland
Application July 13, 1934, Serial No. 735,087
7 Claims. (Cl. 259—9)



1. An apparatus for forming ceramic products, comprising the combination of a tank containing clay slip in a deflocculated condition, a reservoir

containing a flocculating or reflocculating agent, a mixing nozzle connected with the reservoir, alternately operating pumps connected with the tank for forcing clay slip at high pressure into the mixing nozzle in the form of a stream, plunger means within said reservoir for injecting the flocculating or reflocculating agent in constant stream form at high pressure and at high velocity into the stream of clay slip transversely thereof at said nozzle, high speed rotary blade mixing means located beyond and connected with said mixing nozzle for mechanically mixing together the clay slip and said flocculating or reflocculating agent, and a discharge nozzle located beyond and connected with said mechanical mixing means for extruding the replasticized clay resulting from the chemical action of said flocculating or reflocculating agent on the slip.

2,044,333

MARKING SOUND AND MOVING PICTURE FILM FOR THE PURPOSE OF SYNCHRONIZATION

Richard Schmidt, Dessau in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York

Application May 27, 1930, Serial No. 456,173
In Germany June 5, 1929
3 Claims. (Cl. 88—16.2)



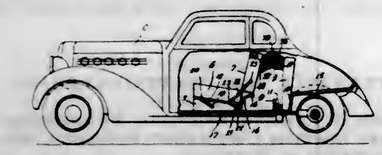
3. Moving picture film strip and sound track film strip being synchronized by reference characters formed of dots and dashes in telegraph code manner applied to corresponding spots on the margins of both strips.

2,044,334

COMBINATION SEAT AND BED ARRANGEMENT FOR COUPES AND THE LIKE

Raymond D. Shrewsbury, Shidler, Okla.

Application August 28, 1935, Serial No. 38,320
2 Claims. (Cl. 155—7)



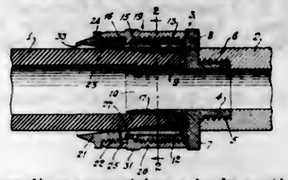
1. In combination with an automobile body, a plurality of cushions, three in number, one of which normally forms a bottom of a seat, another of which normally forms the back of said seat, and a third which is an auxiliary cushion, a rest for the bottom cushion, a pair of links pivotally connected with the bottom cushion and with the rest one pair at the forward portion thereof and another pair at the rear portion thereof, links pivotally connected with the pivots of the rear links as to the bottom cushion and pivoted to intermediate side portions of the back cushion, a bracket, means pivotally mounting the back cushion to the bracket, said auxiliary cushion having rollers, tracks mounted in the coupe rearwardly thereof on which said rollers may ride, and link means connecting the upper portions of the back cushion and the auxiliary cushion.

2,044,335

COUPLING DEVICE

Ernest Schulthess, South Orange, N. J.

Application February 6, 1934, Serial No. 709,908
5 Claims. (Cl. 285—86)



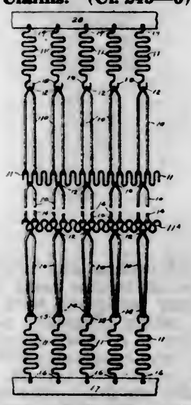
1. A coupling comprising a body section having an annular recess formed therein adapted to receive the end portion of a pipe, a contractible ring positioned in said recess and adapted to encircle the end portion of the pipe, and means coacting with said ring to tightly secure the end portion of the pipe in said recess, said means comprising a coupling member internally threaded at one end to screw on the outer wall of said recess, and a contractible member carried within said coupling member in spaced relation with the interior wall of the latter, said contractible member being adapted to be positioned in said recess intermediate the outer wall thereof and said contractible ring when said coupling member is screwed in position on the outer wall of said recess and to uniformly contract said ring closely about the end portion of the pipe so that that portion of the pipe wall encircled by said contractible ring is uniformly and tightly pressed against the inner wall of said recess, said contractible member being rotatably supported in said coupling member whereby said contractible member is enabled to be slidably inserted into or removed from position in said recess when the coupling member is screwed or unscrewed respectively on the outer wall of said recess.

2,044,336

WIRE FABRIC FOR BEDSPRINGS AND OTHER ARTICLES

Jacob Schwartzman, Brooklyn, N. Y.

Application May 9, 1935, Serial No. 20,514
4 Claims. (Cl. 245—5)



1. A wire fabric of the class described comprising a plurality of straps each formed of a wire bent back and forth in alternate direction to form a zig-zag; a plurality of U-shaped links having hooks formed at their open ends; and the hooks of the links engaged in the bends of one side of the straps and the closed ends engaged in the bends on the other side of the straps.

2,044,337

ARSENATE-ALUMINATE-CEMENT

Johan Bertil Stålhane, Stockholm, Sweden, assignor to Bolidens Gruvaktiebolag, Stockholm, Sweden, a joint-stock company limited of Sweden

No Drawing. Application February 19, 1935, Serial No. 7,255. In Sweden February 19, 1934
3 Claims. (Cl. 106—24)

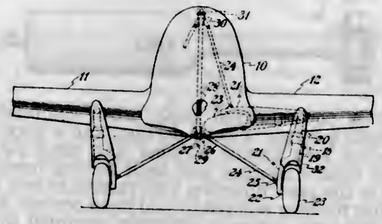
1. A cementitious mixture containing aluminium arsenate together with at least one of the following: lime, calcium silicate, Portland cement, aluminate cement, technical products rich in lime.

2,044,338

RETRACTABLE LANDING GEAR

Colby W. Steward, Manchester, Conn., assignor to Curtiss Aeroplane & Motor Company, Inc., a corporation of New York

Application September 18, 1933, Serial No. 689,826
7 Claims. (Cl. 244—2)



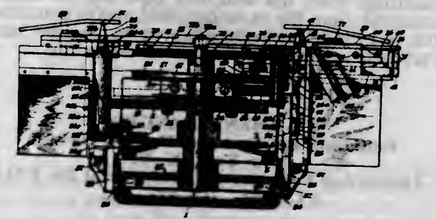
7. In aircraft having a wing, a landing gear strut hinged to the leading edge of the wing, movable from a position below said wing to a position adjacent, parallel to and forward of the leading edge of said wing, and a fairing carried by said strut formed to blend with the wing profile when said strut lies along and forward of the leading edge of said wing.

2,044,339

BRUSH DRILLING MACHINE

Leonard B. Terhune, Newark, N. J., assignor to Dupont Viscoloid Company, Wilmington, Del., a corporation of Delaware

Original application May 23 1929, Serial No. 365,495, now Patent No. 1,937,101, dated November 28 1933. Divided and this application October 25, 1933, Serial No. 695,130
12 Claims. (Cl. 144—94)



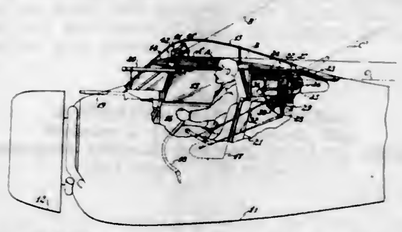
1. A brush drilling mechanism comprising a plurality of drills each having a spindle and a driving gear thereon, means for driving the same, and a manually operated device for retracting any particular drill spindle with its gear when not in use.

2,044,340

GUN INSTALLATION AND FIRING MEANS

Clem G. Trimbach, Kenmore, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc., a corporation of New York

Application November 17, 1933, Serial No. 698,455
3 Claims. (Cl. 89—37)



1. In aircraft, a gun mounted for two fixed lines of fire, both said lines of fire being divergent from the forward line of flight of said aircraft, means operable to shift said gun to one or the other of said lines of fire, and sighting means operable by a member of the aircraft crew for reflecting either aiming point of said gun into the eyes of a member of the aircraft crew, the line of vision from the eyes extending forwardly to said sighting means substantially in the same direction of flight of said aircraft.

2,044,341

ADSORBENT

Herbert J. Wollner, Brooklyn, N. Y., assignor to General Chemical Company, New York, N. Y., a corporation of New York

No Drawing. Application November 4, 1932, Serial No. 641,223
3 Claims. (Cl. 252—2)

1. The method of preparing an active silica which comprises digesting silicious material in a hot alkaline solution, precipitating silica from the solution, separating the silica from the solution, washing the silica with water to such extent that the product on acidification and drying contains not more than about 5% soluble salts, forming a water slurry of said silica, adding mineral acid to the slurry, maintaining the silica while in the slurry in contact with the acid for a period of at least several hours to bring about substantially complete neutralization of any residual alkali in the silica and to effect adsorption of acid in the silica, separating the acidulated silica from the slurry and substantially drying the silica, the amount of acid employed being such that the dried silica contains not less than about 2 and not more than about 12% acid.

2,044,342

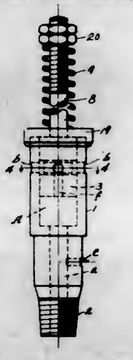
AUXILIARY AIR INLET VALVE

Robert N. Abbott, Philadelphia, Pa., assignor, by direct and mesne assignments, to Manifold Vacuum Valve Corporation, a corporation of Pennsylvania

Application March 30, 1933, Serial No. 663,514
1 Claim. (Cl. 251—145)

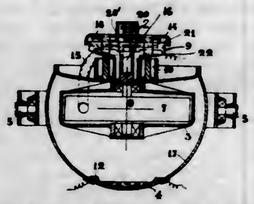
An air control device for intake manifolds of internal combustion engines, comprising a cylinder having a nipple for attachment to the manifold, a normally open spring pressed piston valve in said cylinder, a main air inlet passage near one end of the cylinder and an outlet through the other or nipple end of the cylinder, an auxiliary air inlet passage in the nipple in

constant communication with the outlet passage therein, said piston valve having a passage therethrough providing communication between the cylinder and main inlet passage during normal operation and a head adapted to close said main inlet passage upon predetermined movement of the piston valve, the air carrying capacity of



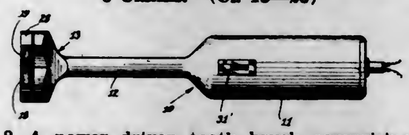
the outlet passage being larger than the total capacity of the main and auxiliary air inlet passages whereby minor fluctuations of air pressure will be without effect on the open position of the piston valve while a major fluctuation in pressure will cause the piston valve to move into position to close the main air inlet passage.

2,044,343
GYROSCOPIC DEVICE
Ernesto Angeloni, Rome, Italy
Application October 11, 1932, Serial No. 637,280
In Italy October 14, 1931
1 Claim. (Cl. 74—5)



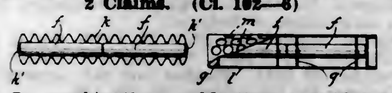
In a gyroscopic stabilizer for control of the local horizon, comprising the combination of a gimbal suspension, a substantially bowl-shaped container shaped as a part of a sphere and carried by said suspension, a casing mounted within said container, a rotor mounted within said casing, the centre of the spherical outline of the container coinciding with the centre of the gimbal suspension and the centre of gravity of the stabilizer system coinciding with the center of the gimbal suspension, a pool of liquid forming a conductor of electricity normally situated at the bottom of said container, the surface of said pool coinciding with the local horizon and serving to determine the local vertical thereof, so that the resultant of the centrifugal and gravity forces acting on the liquid mass passes through the center of said gimbal suspension, the rotating mass of said rotor being adapted to produce compressed air within said casing while rotating, a plurality of horizontal nozzles in communication with the interior of said casing and a pivoted valve for each nozzle disposed radially with respect to the axis of the rotor, a set of electric contacts within said sphere symmetrically around and near the liquid conductor, said contacts being adapted to close independently one or more electric circuits through the liquid conductor when the axis of the rotor is displaced from the local vertical, a plurality of electromagnets electrically connected with said contacts, a link extending from each pivoted valve into the sphere of influence of said electromagnets whereby selective opening and closing of the horizontal nozzles is secured, through which nozzle openings the air compressed by the rotor escapes, producing the formation of a torque of reaction in a vertical plane which tends to restore and maintain the axis of the rotor, in coincidence with the local vertical of the point upon which the rotor is placed.

2,044,344
ROTARY TOOTH BRUSH
Vernon B. Bagnall, East Orange, N. J.
Application March 21, 1934, Serial No. 716,583
6 Claims. (Cl. 15—23)



2. A power driven tooth brush comprising a handle member, a head portion, and a neck connecting said handle member and head portion, said handle member and head portion being offset in the same direction with respect to said neck, a unit housing secured to said head portion, a pair of brushing elements rotatably mounted in said housing, said brushing elements being of relatively large diameter with respect to their width and having their peripheries tangent to each other, and means mounted in said head portion for imparting rotary motion to said brushing elements in opposite directions.

2,044,345
BLASTING CARTRIDGE
Jacob Barab, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
Application January 16, 1932, Serial No. 587,007
2 Claims. (Cl. 102—6)



1. In combination, a blasting cartridge and means for uniformly spacing the surface of the cartridge from the wall of a bore hole of larger diameter than the cartridge, said means comprising a cylindrical body adapted to enclose said cartridge and having corrugated side walls.

2,044,346
GARMENT HANGER
Benjamin Belefant and Hussein Hassan, New York, N. Y.
Application February 26, 1935, Serial No. 8,243
5 Claims. (Cl. 223—91)



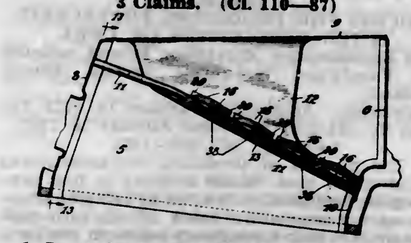
1. A garment hanger comprising a coat hanger section having outwardly diverging arms, a trousers hanger section pivoted to the outer end of one of said arms, said trousers hanger section including a pair of pivotally connected bars between which a trousers are adapted to be supported, and catch means between one of said bars and the outer end of the other of said arms for securing said trousers hanger section in closed position.

2,044,347
ELECTRON TUBE
Ernst Brüche, Berlin-Reinickendorf, Germany, assignor to Allgemeine Elektricitats Gesellschaft, Berlin, Germany, a corporation of Germany
Application October 5, 1932, Serial No. 636,281
In Germany October 19, 1931
1 Claim. (Cl. 250—27.5)



A cathode ray tube comprising an evacuated container, means within the container for generating a cathode ray, a second container having provided therein at one end a fluorescent viewing screen, an elongated tubular anode connecting the separate containers to permit the cathode ray pencil generated within one container to be passed therethrough to the second container, and electro-magnetic means surrounding the said tubular anode in the space between the two containers, said electro-magnetic means being adapted to have applied thereto varying magnitude electric signals for producing varying strength magnetic fields along the axis of the tubular anode to vary in accordance with the variations in the electrical signals the electron concentration within the generated cathode ray without diminishing the total electron content of the ray so as to control the observable intensity of the luminescent effect produced upon the fluorescent viewing screen while maintaining constant the electron flow toward the screen.

2,044,348
LOCOMOTIVE ARCH
John C. Chapple, St. Louis, Mo.
Application May 29, 1931, Serial No. 540,949
3 Claims. (Cl. 110—87)



1. In a locomotive fire-box which includes transversely spaced water-circulating elements extending longitudinally and rearwardly through the fire-box from the thrust-sheet thereof, arch walls supported upon and between adjacent water-circulating elements and comprising adjoining refractory fire bricks having curving top walls curving towards the adjacent elements at the opposite ends of the brick, supporting walls connected to and projecting from the opposite ends of the bricks and shaped to form overhanging shoulders the undersurfaces of which rest upon said elements, side walls connected to and extending downwardly from the top walls between said elements and terminating substantially below the same, said bricks below the top walls thereof being without end walls and the side walls thereof affording below the top walls through channels extending between the adjacent elements and in which the high velocity gases from the fire-box are received and distributed directly against said elements.

2,044,349
HYDRAULIC ROTARY DRILL
Webster L. Diehl, St. Joseph, Mo.
Application February 16, 1932, Serial No. 593,277
25 Claims. (Cl. 255—4)



1. In well-drilling apparatus including a drill casing, means for causing rotation of the casing, a drill-point, means carried by the casing for effecting rotation of the drill-point relative to the casing, and resilient means to couple the point directly to the casing when the rotation-effecting means is ineffective to cause such relative rotation, the coupling action becoming more intense with increased transmission of force therethrough.

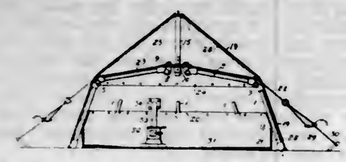
2,044,350
GASEOUS DISCHARGE TUBE AND METHOD OF MANUFACTURE
Donald V. Edwards, Montclair, and Earl K. Smith, East Orange, N. J., assignors to Electrons, Inc., of Delaware, a corporation of Delaware
No Drawing. Application April 13, 1934, Serial No. 720,433
7 Claims. (Cl. 250—27.5)

1. A method of manufacture for a gaseous discharge device which includes operation during manufacture with a rare gas of greater ionization potential than that of the final gas filling and with a pressure of said rare gas which gives substantially the same mean free path for ionization as the said filling.

2,044,351
TENT
Bengt Gustaf Eriksson, Stockholm, Sweden
Application August 28, 1934, Serial No. 741,747
In Sweden August 30, 1933
1 Claim. (Cl. 135—4)

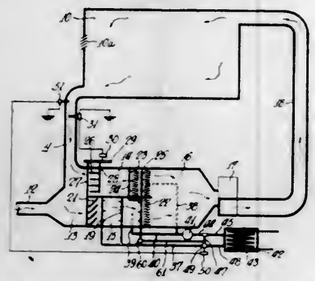
A tent having a tent skeleton consisting of a plurality of tent poles pivotally connected at

the top to a common connecting member by means of two pivots perpendicular to each other,



one of said pivots being vertical when the tent is erected.

2,044,352
AIR CONDITIONING SYSTEM
William A. Evans, Maplewood, N. J.
Application May 5, 1934, Serial No. 724,035
11 Claims. (Cl. 62—6)

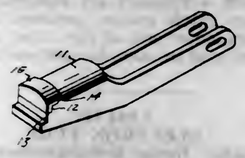


1. In an air conditioning system of the type which includes means for withdrawing air from an enclosure, means for adding fresh air to the withdrawn air, means for conditioning the fresh air and withdrawn air and means for returning said conditioned air to the enclosure, said air conditioning means including a pair of chambers arranged in parallel through which a divided air stream of substantially invariant volume passes, means in one chamber for absorbing excess latent heat of the air passing therethrough, means in the other chamber for absorbing substantially only excess sensible heat of the air passing therethrough and means for proportioning the percentages of said stream passing through the respective chambers.

2,044,353
HARDFACED UNDERREAMER CUTTER AND METHOD OF FORMING THE SAME
Edward W. Holiday and Fred K. Blauvelt, Wichita, Kans., assignors to The Bridgeport Machine Company, Wichita, Kans., a corporation of Delaware
Application December 26, 1934, Serial No. 759,222
2 Claims. (Cl. 76—108)

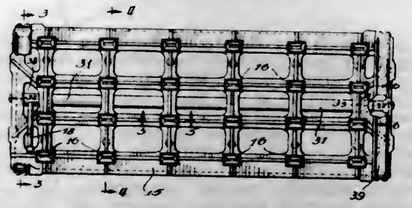
1. The method of hard surfacing a cutting edge of an underreamer consisting in forming the bottom of the underreaming tool with amplified flat surfaces forming a series of shoulders starting at the side and terminating at the lower cutting edge of the tool, and welding relatively thick surfacing of hard metal to said amplified surfaces, whereby said hard metal is braced against horizontal and vertical shearing strains.

2. An underreaming tool including, a body having its bottom and lower outer side portion formed with a series of shoulders starting at the side and terminating at the lower edge of the body, and a relatively thick surfacing of hard metal providing the cutting edges for making substantially vertical and horizontal cuts welded into the recesses of the body as provided for by said shoulders and extending throughout the cutting



region of the member, whereby horizontal and vertical shearing of the cutting element is minimized and the life of the tool is prolonged.

2,044,354
STICK HOLDER
Stanley Isenberg, Chicago, Ill.
Application April 1, 1933, Serial No. 663,961
4 Claims. (Cl. 107—8)

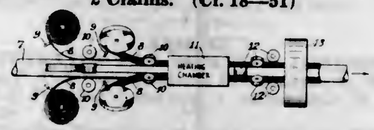


1. A stick handling device including a plate member, a guide tube mounted upon said plate member and adapted to receive a stick therethrough, said guide tube having one wall thereof extending below the plate member, a gripping member mounted to slide upon the plate member, said gripping member having a depending leg portion, means for advancing the gripping member towards the depending wall of the guide tube and into clamping engagement with a stick in said tube, and projections provided on said gripping member extending beyond the depending leg portion thereof and lying parallel to the plate member, whereby said projections will be received within the guide tube when the gripping member is in its locking position.

2,044,355
PROCESS FOR PRODUCING POLYSUBSTITUTED DERIVATIVES OF UREA
Jerzy Kardaszewicz, Zagorzdzon, Poland, assignor to Panstwowe Wytwórnie Prochu, Pionki, Poland
No Drawing. Application January 12, 1933, Serial No. 651,359. In Poland January 28, 1932
3 Claims. (Cl. 260—125)

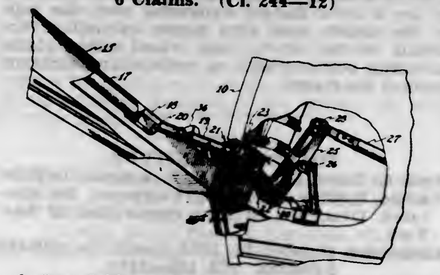
1. The method of producing tetrasubstituted derivatives of urea, which consists in first producing disubstituted chlorourea by bringing phosgene at a temperature below 15° C. into intimate contact with a secondary amine in the form of ethylaniline in the presence of an aqueous suspension of an oxide of an element of the magnesium and zinc group which is substantially inert at said temperature with respect to phosgene but capable of reacting with hydrogen chloride to produce water soluble products, and then producing the tetrasubstituted urea derivative from said disubstituted chlorourea by heating and condensing the same with another molecule of said secondary amine in the form of ethylaniline.

2,044,356
METHOD OF MAKING CELLULOID ARTICLES
Charles R. Keeran, Evanston, Ill., assignor to Du Pont Viscoloid Company, Wilmington, Del., a corporation of Delaware
Original application June 29, 1932, Serial No. 619,868. Divided and this application November 14, 1934, Serial No. 752,936
2 Claims. (Cl. 18—51)



1. The method of mounting a plurality of strips of celluloid material on a tubular celluloid member which comprises coating the outer surface of said member with a chemical solvent for softening the celluloid, then applying such strips to the member under pressure, the solvent-treated surface of said tubular member being rendered ductile, whereby the addition of pressure to the strips deforms said member to give it a polygonal cross section providing faces upon which the several strips are flatly secured.

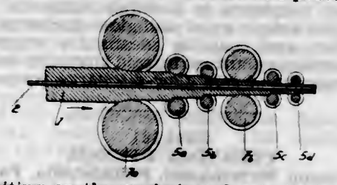
2,044,357
AILERON CONTROL FOR FOLDING WINGS
John A. Kerr, Kenmore, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc., a corporation of New York
Application July 19, 1934, Serial No. 735,947
6 Claims. (Cl. 244—12)



1. In a folding wing aircraft having an aileron and a control member for moving said aileron relative to the wing when the latter is extended, a continuous foldable connection from said member to said wing, said connection being subject to folding upon folding of said wing relative to said aircraft, and means for neutralizing the positions of said aileron and control member responsive to initiation of folding movement of said wing.

2,044,358
MANUFACTURE OF SEAMLESS PIPES
Károly Korbuly, Csepel, Hungary, assignor to Alfina Immobilien-Finanzierungs & Verwaltungs A. G., Glarus, Switzerland
Application October 12, 1934, Serial No. 748,071
In Hungary January 3, 1934
5 Claims. (Cl. 80—11)

1. The method of manufacturing seamless pipes, comprising forcing a mandrel-carried pipe blank through a series of reducing passes including loose rolls with an insufficient diameter for drawing in the workpiece when same is positively driven, forcing the workpiece by means of the advanced mandrel, and assisting the mandrel by at least one positively driven advancing roller-pass in the series of loose roll passes, said



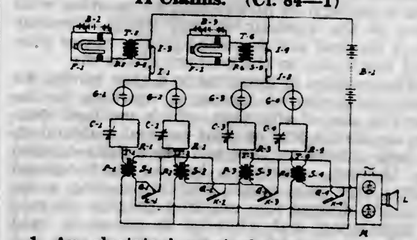
pass biting on the workpiece due to its having a diameter sufficiently large for drawing in the workpiece.

2,044,359
APPARATUS FOR CASTING
Glen M. Kuettel, Roselle, N. J., assignor to Du Pont Viscoloid Company, Wilmington, Del., a corporation of Delaware
Application July 24, 1934, Serial No. 736,679
1 Claim. (Cl. 18—39)



Apparatus for casting substantially liquid polymerizable compositions comprising, in operative position, an indivisible, integral mold chamber proper substantially horizontally disposed with respect to its major axis and having a cavity whose vertical section at right angles to its major axis is of the shape to be cast, a lead reservoir chamber made integrally with the mold chamber and disposed vertically above said mold chamber and communicating with the cavity of the mold chamber through a relatively narrow opening extending horizontally along the top of the mold chamber throughout substantially the complete length of said cavity, the reservoir chamber in vertical section at right angles to its major axis being substantially the shape of an equilateral triangle with one apex truncated by the opening communicating with the mold chamber and said mold chamber and reservoir chamber being closed at one end and open at the other and tapered slightly outwardly from the closed end toward the open end, and removable means for closing said open end whereby the polymerized product may be removed from said mold chamber.

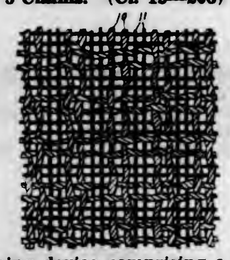
2,044,360
ELECTRICAL MUSICAL INSTRUMENT
Nicholas Langer, New York, N. Y., assignor of sixty-six and two-thirds per cent to John Halmagyi, Budapest, Hungary
Original application April 5, 1933, Serial No. 664,487. Divided and this application October 14, 1935, Serial No. 44,880
11 Claims. (Cl. 84—1)



1. An electrical musical instrument comprising a circuit, a glow-discharge lamp oscillator in

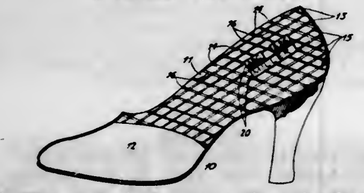
said circuit, a source of direct current for said circuit, a source of alternating current having a constant frequency in a simple numerical relation to the frequency of said glow-discharge lamp oscillator, and coupling means for impressing said alternating current on said circuit to stabilize the frequency of said glow-discharge lamp oscillator.

2,044,361
CLEANING UTENSIL
Joseph McMenamin, Philadelphia, Pa.
Application November 29, 1933, Serial No. 700,261
3 Claims. (Cl. 15—208)



1. A cleaning device comprising a plurality of flexible abrasive threads preshrunk and interwoven to provide cleaning surfaces, and a plurality of threads less abrasive than the first threads interwoven among said abrasive threads to distort the latter when subject to the effects of moisture into a condition wherein the cleaning surfaces thereof are roughened and maintaining the latter in position defining the roughened surfaces, the lesser abrasive threads having the property of absorbency to a relatively high degree with respect to the abrasive threads.

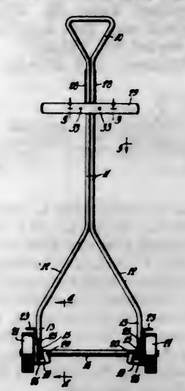
2,044,362
SHOE ORNAMENTATION
Charles Miller and Isador Speilman, Long Island City, N. Y.
Application February 12, 1934, Serial No. 710,810
5 Claims. (Cl. 41—33)



1. The method of ornamenting a leather lining of a shoe, which comprises cutting the lining from the skin, subsequently placing a leaf of coloring material over the major portion of said lining, impressing a heated die upon said leaf, said die having a pattern in predetermined position with respect to the contour of said lining, whereby parts of the leaf are deposited on the major portion of the lining in the pattern of the die.

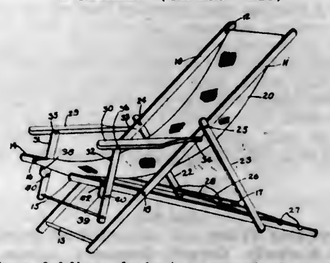
5. The method of applying to a shoe having an interior dark-colored surface a marking to indicate the size of the shoe, which method comprises securing a leaf of light-colored material on said dark-colored surface to form a light-colored panel thereon, placing a leaf of dark-colored material over said panel, and impressing a die having the desired size marking thereon on said last mentioned leaf whereby to secure to said panel the size marking in the color of said last mentioned leaf.

2,044,363
HAND TRUCK
George P. Morse and Louis Lidsky, Brooklyn, N. Y.
Application January 8, 1934, Serial No. 705,696
1 Claim. (Cl. 280—53)



A truck including a metal frame cooperatively defining a handle, a shank, a portion to which a wheel axle is to be welded and article engaging means disposed forwardly and in advance of said axle, an axle welded to the frame wheels on the ends of the axle and wheel guards welded to the frame and preventing contact with an article carried by the truck with the wheels, said wheel guards including plates disposed inwardly of the wheels, flanges extending over the tops of the wheels and wing pieces extending forwardly of the wheels, said wheel guard plates including portions bent to encircle and embrace parts of the frame.

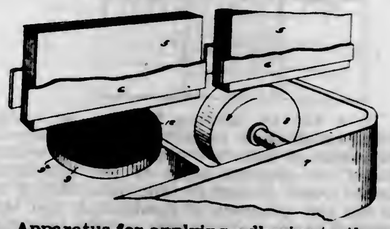
2,044,364
FOLDING FURNITURE
Amos G. Parry, Granville, N. Y., assignor to Telescope Folding Furniture Company, Incorporated, Granville, N. Y., a corporation of New York
Application October 31, 1932, Serial No. 640,403
2 Claims. (Cl. 155—117)



1. In a folding chair two angularly positioned bars disposed opposite one another in spaced relation, spacers positioned between said bars, two angularly positioned cross bars disposed opposite one another in spaced relation and pivotally connected between their ends to said bars, spacers positioned between said cross bars, two oppositely disposed supporting bars pivotally connected at their upper ends to the upper portions of said bars, a spacer member positioned between the lower ends of said supporting bars, a plurality of oppositely disposed grooves in the lower ends of

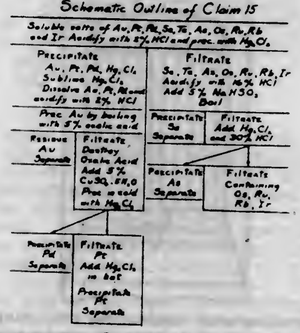
said cross bars adapted to receive said spacer member, rest arms pivotally connected at their inner ends to said bars, supporting members for said rest arms, said supporting members being pivotally connected at their upper ends to the outer ends of said rest arms and maintained in spaced relation at their lower ends by a spacer and connecting members pivotally connected to said supporting members between the ends thereof and to the upper ends of said cross bars.

2,044,365
APPARATUS FOR APPLYING ADHESIVE
John P. Pederson, Chicago, Ill., assignor to W. F. Hall Printing Company, a corporation of Illinois
Application December 20, 1934, Serial No. 758,507
9 Claims. (Cl. 91—48)



1. Apparatus for applying adhesive to the rear binding edges of leaves comprising means for moving groups of paper leaves, and a movable member having a surface over which the binding edges of said leaves travel, said member being movable first in one direction and then in another direction, laterally with respect to the line of travel of said leaves, and being roughened to such an extent as to cause it to fan said leaves first in one direction and then in the other, as and for the purposes set forth and means for applying adhesive material to the surface of said movable member.

2,044,366
METHOD FOR SEPARATION AND RECOVERY OF AU, PT, PD, SE, TE, AND AS BY MEANS OF MERCUROUS SALTS
Gordon Green Pierson, Lansdale, Pa.
Application November 24, 1934, Serial No. 754,614
15 Claims. (Cl. 75—108)



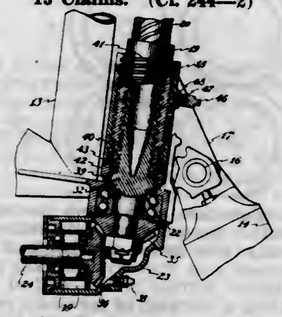
1. The process of separating As, Se, Te, Pd, Pt and Au in elemental state from solutions of their chlorides, bromides and other water-soluble compounds, which consists in bringing the said solutions in an approximately 30% HCl medium in contact with mercurous halides in excess of the quantity required by stoichiometrical calculation.

2,044,367
TICKET PRINTING, ISSUING, AND ACCOUNTING MACHINE
Fred A. Purdy, Scarsdale, and Herbert McLean Purdy, New York, N. Y., and Eugene Letsch, Union City, N. J., assignors to General Register Corporation, Philadelphia, Pa., a corporation of Pennsylvania
Refiled for abandoned application Serial No. 417,181, October 15, 1920. This application April 18, 1931, Serial No. 531,039½
53 Claims. (Cl. 101—66)



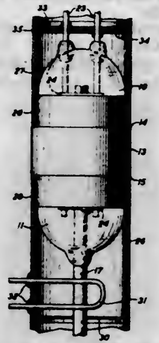
1. In a machine of the class described, a plurality of units, each having ticket printing, issuing, and accounting devices each having individual and independent feeding means, each unit having an actuating device for the printing, issuing, accounting and feeding devices, driving mechanism for the said actuating device of a unit, a main driving shaft selectively connected with the said driving mechanisms of the several units, and a hand-controlled operating device connected with the said driving mechanism of a unit.

2,044,368
DIFFERENTIAL SCREW
Donald C. Rowe, Walter Tydon, and Fredric E. Flader, Kenmore, N. Y., assignors to Curtiss Aeroplane & Motor Company, Inc., a corporation of New York
Application April 12, 1934, Serial No. 720,188
13 Claims. (Cl. 244—2)



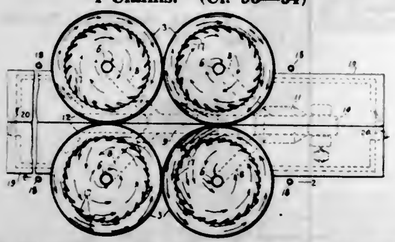
1. In a retractable landing gear operating mechanism, in combination a relatively high pitch lead screw operable to extend and retract said landing gear, relatively low pitch screw means cooperating with said lead screw, and means to initiate operation of said low pitch screw means operated by movement of said landing gear to a nearly extended position; said low pitch screw means serving as an irreversible lock against retraction of said landing gear when external forces are imposed thereon.

2,044,369
ELECTRON DISCHARGE DEVICE
Arthur L. Samuel, Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application October 6, 1934, Serial No. 747,139
9 Claims. (Cl. 250—27.5)



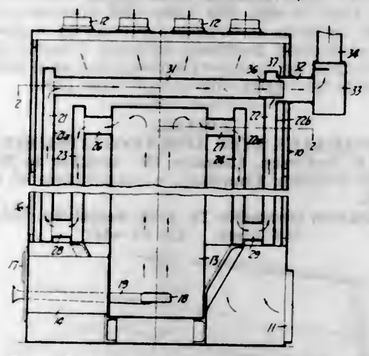
1. An electron discharge device comprising an enclosing vessel including vitreous end portions and an intermediate cylindrical metallic portion, said metallic portion having a plurality of recesses in its inner wall and serving as the anode of the device, a support extending from one of said end portions, a plate member carried by said support and having edges adjacent said recesses, helical grids secured to said edges and disposed in said recesses, a plurality of supports extending from the other of said end portions, and filaments carried by said second supports and disposed within said grids.

2,044,370
METHOD AND APPARATUS FOR STORAGE, CURING, AND PRESERVATION OF HAY
John G. Shodron, Fort Atkinson, Wis., assignor to James Manufacturing Company, Fort Atkinson, Wis., a corporation of Wisconsin
Application June 6, 1933, Serial No. 674,555
4 Claims. (Cl. 98—54)



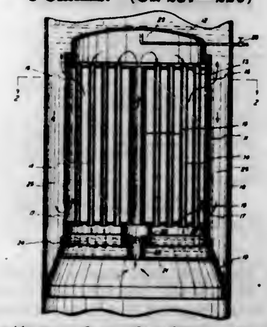
1. In combination, a container for hay, means forming an air passageway for the delivery of air into the hay, said means consisting of a circularly arranged duct with vertical walls extending along a major portion of the wall of the container having a plurality of openings, each opening being provided with a lip facing tangentially in the same direction as the adjacent portion of the vertical wall of the container, whereby air passing out of said openings will have a circulatory motion, a duct located adjacent the center of the container and having inlet means therein, a blower having an outlet communicating with said air passageway, and an inlet connected to the duct whereby air is caused to pass from said air passageway through said openings to the duct and through the hay located therebetween.

2,044,371
HEATING FURNACE
George A. Tuck, San Francisco, Calif.
Application June 19, 1935, Serial No. 27,367
8 Claims. (Cl. 126—99)



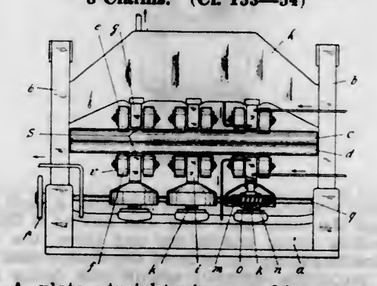
1. In a hot air heating furnace, an upright combustion chamber formed of heat transferring metal walls, at least two heat exchange sections disposed on opposite sides of the combustion chamber, each of said sections providing a flow path for hot products of combustion and being formed of metal walls, means serving to connect the combustion chamber with both said sections, a laterally extending pipe directly connecting said sections together, a flue pipe connected through a wall of only one of said sections, means communicating said laterally extending pipe with the flue pipe and serving to control flow of products of combustion from the interior of said one section to said flue pipe whereby flow of products of combustion through both said sections is equalized, and a housing surrounding both the combustion chamber and said heat exchange sections, said housing being provided with cold air inflow and hot air outflow openings.

2,044,372
REBOILER AND CONDENSER
Lee S. Twomey, Vista, Calif.
Application October 26, 1934, Serial No. 750,165
8 Claims. (Cl. 257—226)



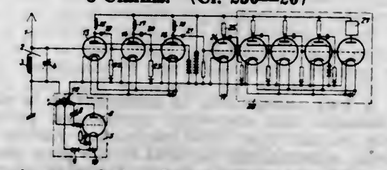
1. A heating and condensing unit comprising: a bundle of vertically arranged condensing tubes; upper and lower tube sheets; a head defining an enclosure of space above said upper tube sheet; a vapor tube extended between said tube sheets and communicating with a source of vapor supply; means for collecting liquid condensed in said tubes and for returning said liquid to said source of vapor supply, said means including a liquid seal arranged to prevent the upward passage of vapor into said tubes; a shell arranged to permit said tubes to be submerged in a cooling fluid.

2,044,373
PLATE STRAIGHTENING MACHINE
Fritz Ungerer, Pforzheim, Germany
Application March 29, 1934, Serial No. 717,958
In Germany September 25, 1933
8 Claims. (Cl. 153—54)



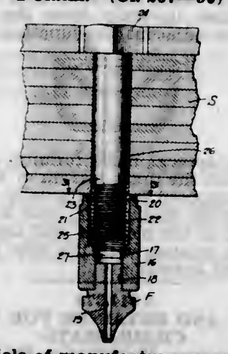
1. A plate straightening machine, especially for straightening hot sheet metal plates, comprising in combination upper and lower rows of straightening rolls and adjustable supporting rollers arranged in pairs adapted to flex said straightening rolls towards the plates to be straightened, one supporting roller of each pair arranged in front of and the other behind each straightening roll and each pair of rollers forming a supporting point for one of said straightening rolls, the rollers of each supporting point being laterally displaced the one to the other and not located directly the one behind the other, so that the diameters of the supporting rollers can be larger than those of the straightening rolls.

2,044,374
SUPERHETERODYNE RECEIVER FOR ULTRASHORT WAVES
Manfred von Ardenne, Berlin, Germany, assignor to Radioaktiengesellschaft D. S. Loewe, Berlin-Steglitz, Germany, a company of Germany
Application June 14, 1932, Serial No. 617,115
In Germany June 18, 1931
3 Claims. (Cl. 250—20)



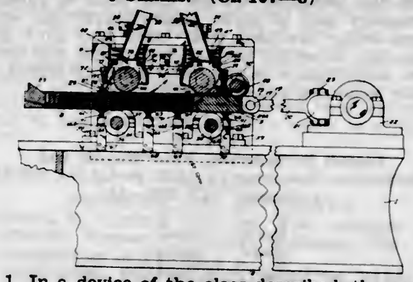
1. A super-heterodyne radio receiver for receiving ultra-short carrier waves modulated by wide frequency bands up to several million periods preferably for television purposes consisting of an ultra-short wave antenna circuit, an ultra-short wave heterodyne generator, an aperiodic intermediate frequency amplifier having a plurality of valves, a detector valve coupled to the output of the intermediate frequency amplifier, and an aperiodic low frequency amplifier with an output circuit, means for coupling said antenna circuit and said heterodyne generator with the input circuit of the first valve of said intermediate-frequency amplifier, and means comprising a loading capacity in the anode circuit of said first valve in the intermediate frequency amplifier having such reactance that the signal and locally generated oscillations are demodulated in said valve.

2,044,375
LUBRICATOR ADAPTER FOR SPRINGS
Bernard M. Walker, Los Angeles, Calif.
Application October 7, 1935, Serial No. 43,929
1 Claim. (Cl. 267—50)



As an article of manufacture, an adapter comprising a nut the bore of which has a portion threaded and formed with grooves intersecting the threads and communicating with one face of the nut, and a collar on that face of the nut with which the grooves communicate, said collar being concentric of and spaced from the bore of the nut.

2,044,376
ANIMAL FOOD PROCESSING MACHINE
Jesse F. Webster, Portland, Oreg.
Application February 25, 1935, Serial No. 8,223
6 Claims. (Cl. 107—8)



1. In a device of the class described, the combination of a frame, a crank shaft journaled relative to the frame, means for driving the crank shaft, a die holder reciprocably disposed within the frame, guides for said die holder, a connecting rod connecting the crank shaft with the die holder, a perforated die removably disposed within the die holder, feeding rollers and means for delivering materials to be compressed upon the die plate and for being extruded through the die plate at either side of each of the feed rollers.

2,044,377
ASHTRAY
Kenneth Bashur, Aurora, Colo.
Application May 21, 1934, Serial No. 726,674
1 Claim. (Cl. 131—51)

An ash tray comprising, in combination, an open-top container with its open upper end defined by smooth, vertical walls, and a removable cover therefor, said cover comprising an upstanding flange conforming in outline with the upper end of said container and adapted to seat on and form a smooth continuation of the con-

tainer walls, a second flange depending in integral, offset relation with said first flange and arranged to telescope within and frictionally engage against the container walls, an annular flange integral with and projecting in perpendicular relation inwardly from the aforementioned flanges adjacent the junction of the lat-

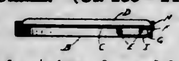


ter, a frusto-conical baffle forming an integral extension from the inner margin of said annular flange and disposed to open axially within said container below said flange, and a screen secured to and in the plane of said annular flange in traversing relation with the open base of said frusto-conical extension.

2,044,378
SUPPORT AND RETAINER FOR FOLDING CHAIR SEATS

Luther F. Bergner, Washington, Pa., assignor of one-half to A. Blaine Day, Washington, Pa.

Application December 31, 1935, Serial No. 57,037
1 Claim. (Cl. 155—142)

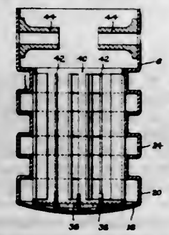


A support and retainer for a folding chair seat frame consisting of a single piece of metal comprising a vertical retaining section, a horizontal supporting section extending forwardly of the retaining section, said retainer section having arms secured thereto and extending past the supporting section, said arms being formed integral with the retaining section and bent to extend forwardly and at right angles therefrom, said arms being provided with holes and slots for receiving fastening means for securing said support and retainer to the seat frame, all substantially as shown and described.

2,044,379
PISTON

Joseph B. Brennan, Fort Wayne, Ind.

Application November 21, 1932, Serial No. 643,638
3 Claims. (Cl. 309—14)



1. A piston comprising a sheet metal hollow body with annular ring grooves, and a sleeve fitted internally of the body and engaging the internal walls of the body at points of smallest diameter, the sleeve having fins integrally formed thereon and extending inwardly from the walls.

2,044,380
BEARING AND SEAL THEREFOR

Leland D. Cobb, Bristol, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application May 20, 1930, Serial No. 453,932
9 Claims. (Cl. 308—187)

1. In a unit-handling antifriction bearing and lubricant retainer, an inner race ring, an outer race ring, a series of rolling elements between the race rings, a sheet metal closure plate detachably carried by the bearing to close the space between the race rings, said plate comprising a flat body portion and a flat rim portion in substantially the same plane, an annular loop re-

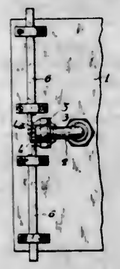


siliently connecting the two portions, a shell enclosing the outer race ring and having a flange extending along one of its end faces, the rim portion engaging the side of the flange and the loop projecting laterally within said flange and within the inner peripheral surface of the outer race ring, substantially as described.

2,044,381
LOCK WITH BOLT OPERATING MECHANISM REMAINING PERMANENTLY IN THE CASE

Hans Denull, Berlin-Charlottenburg, Germany, assignor to Heinrich Goldbeck, Berlin, Germany

Application February 3, 1933, Serial No. 655,099
In Germany February 6, 1932
3 Claims. (Cl. 70—14)



1. A lock, comprising in combination a case, a rotatable bolt operating mechanism permanently in said case, said mechanism having its fulcrum substantially parallel to the door plane, key guides one on each side of the door leading to said bolt operating mechanism, the guide on one side of the door being perpendicular to the door plane and that on the other side of the door being substantially parallel to the door plane.

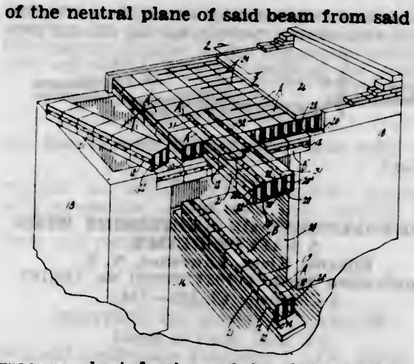
2,044,382
MASONRY UNIT

Walter M. Dunagan, Ames, Iowa

Application October 29, 1934, Serial No. 750,559
7 Claims. (Cl. 72—66)

4. A masonry unit formed of a plurality of blocks, rectangular in cross section and arranged end to end to form a beam, a groove in the upper face of said beam, a reinforcing rod bonded in said groove extending throughout but terminating within the length thereof, grooves in the vertical sides of said blocks on the opposite side

of the neutral plane of said beam from said first

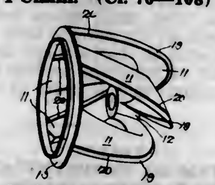


groove and reinforcing rods bonded in said second mentioned grooves.

2,044,383
METHOD FOR RE-FORMING CUTTERS FOR HYDRAULIC DREDGES

Williard Rea Ewing, Libertyville, Ill., assignor to McWilliams Dredging Company, Chicago, Ill., a corporation of Illinois

Application May 2, 1935, Serial No. 19,418
1 Claim. (Cl. 76—108)

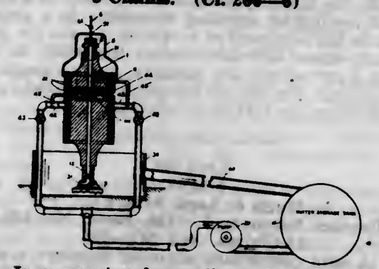


The method of re-forming a worn blade of a cutter for a hydraulic dredge which consists in preforming two templets to correspond in shape with portions of the cutter blade before it is worn, using one of said templets to mark a line on the worn cutter blade in parallel to and a short distance from the line of the original cutting edge of said blade before it became worn, cutting off the portion of the blade between said line and the worn cutting edge, fabricating a body having a cutting edge along one side and a back portion adapted to be welded to the remainder of said blade and welding said body to said remainder of the blade while holding said body and said remainder in position with the other of said templets.

2,044,384
COOLING OF ROLLS

Clifford B. Ferree, Pittsburgh, Pa.

Application January 11, 1936, Serial No. 58,670
3 Claims. (Cl. 266—6)

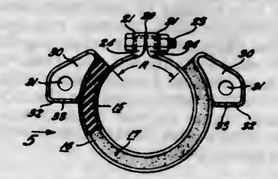


1. In apparatus for cooling rolls the combination of a centrally perforate turn-table adapted to sustain and carry a roll standing in vertical position and concentrically mounted upon it, and a spray jacket provided with an internal chamber, a cooling-liquid supply, and spray orifices in its inner wall, arranged above the turn-table and in position to surround at a spaced interval a roll standing upon the turn-table, and means for introducing cooling liquid under continuing supply to the bore of an axially perforate roll in place upon said turn-table.

2,044,385
RESILIENT MOUNT FOR ELECTRIC MOTORS

Harvey D. Geyer, Dayton, Ohio, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application January 17, 1935, Serial No. 2,167
3 Claims. (Cl. 248—26)



1. A unitary resilient mount adapted to be used as an end mounting for an electric motor, comprising: an inner metal split ring having clamping projections thereon whereby it may be clamped tightly upon an interior supported member, an outer metal ring segment spaced from and surrounding approximately three fourths of said inner ring but leaving a substantial clearance adjacent said clamping projections thereon, and a resilient rubber ring segment interposed between and vulcanized to both said inner ring and outer ring segment, said outer ring segment having means for rigidly fixing same to a support.

2,044,386
DEHYDRATING APPARATUS

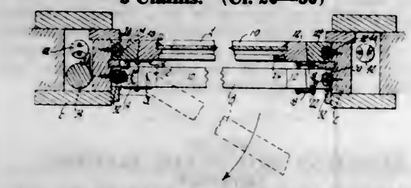
William B. Goding, Zellwood, Fla., assignor to Florida Humus Company, Zellwood, Fla., a corporation of Florida

Application April 23, 1935, Serial No. 17,883
4 Claims. (Cl. 100—47)



1. Dehydrating apparatus comprising a substantially horizontal tank having an opening through the bottom thereof, a drum having a wall at one end and the other end open, and being perforated throughout its cylindrical body and end wall, means for mounting said drum to rotate with its open end surrounding the opening in said bottom, and means for rotating said drum to move horizontally the material being dehydrated from one end to the other end of said tank, said other end having a discharge outlet, and means at said outlet for receiving and squeezing material from said discharge outlet.

2,044,387
WINDOW CONSTRUCTION
Lars Gulbransen, Mason City, Iowa
Application March 21, 1935, Serial No. 12,196
3 Claims. (Cl. 20—50)



1. In a window construction, a sliding sash including wood rails and stiles, said stiles being vertically sawed in two, the two parts thereof at one side of said sash being hinged together and the two parts thereof at the other side of the sash being detachably secured together, the outer edges of the outer parts of said stiles being vertically grooved, metallic slotted tubular liners in said grooves and means for retaining the outer parts of each stile slidably but non-removably associated with a window frame comprising a plurality of vertically spaced screws in the side jambs of the window frame having their heads within said tubular liners and their shanks extending through the slots thereof.

2,044,388
HANDLE STRUCTURE FOR CORN POPPERS AND THE LIKE
William Edward Gundelfinger, St. Louis, Mo., assignor to Knapp-Monarch Company, St. Louis, Mo., a corporation of Missouri
Application May 27, 1935, Serial No. 23,690
10 Claims. (Cl. 16—114)



1. In a handle structure, a pair of wire elements each being doubled, the two parts of the doubled portion thereof extending substantially parallel for a distance and then bending and diverging, the terminal ends being formed to provide hooks adapted to enter spaced perforations in a popper kettle or the like and a handle member having a bore to receive the doubled portions of each of said pair of wire elements and thereby cause the bends of said wire elements to engage the outer surface of the popper kettle and the hooks to engage the kettle adjacent said perforations with both engagements under tension for the purpose of mounting the handle member rigidly relative to the popper kettle.

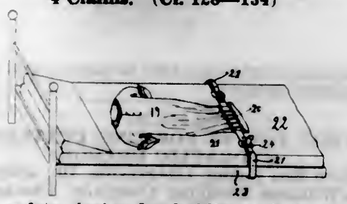
2,044,389
VEHICLE AXLE
Lloyd D. Kay, Alhambra, Calif.
Application September 19, 1934, Serial No. 744,698
7 Claims. (Cl. 301—124)

1. An axle having tubular end portions; and a central portion of I-form connecting said end portions and longitudinally alined therewith, the web of said central portion having its end por-



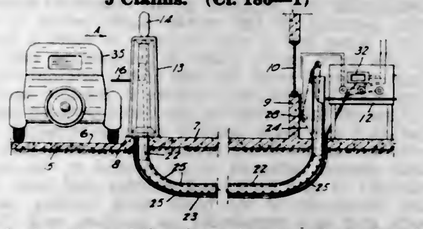
tions offset with respect to the bores of said end portions.

2,044,390
BABY-GARMENT OR NIGHTSHIRT WITH A SAFETY DEVICE
Eugenie Kiehs, Lawrence, N. Y.
Application April 24, 1934, Serial No. 722,107
4 Claims. (Cl. 128—134)



1. A safety device for holding a baby in bed, comprising a baby garment adapted to surround the body of the baby, in combination with means of the ribbon type, said means being fastened to the garment in its middle zone near to the lower or foot-end of the garment and extending from the place of fastening loosely to both sides to be fixed to some middle parts of the two sides of the bed.

2,044,391
SYSTEM OF COMMUNICATION
Walter E. Lindsay, Denver, Colo.
Application March 14, 1934, Serial No. 715,572
5 Claims. (Cl. 186—1)



1. A system of the character described wherein personal identification of the customer is requisite, comprising in combination with a building, a conduit providing a means for two-way communication between opposed stations inside the building and outside of the same, the station outside the building being characterized by a fixed stand having an opening accessible to a pedestrian or the occupant of a vehicle, means for permitting visual identification of the party at the stand from within the building, and elements in the conduit for the transmission of objects and sound from one station to another.

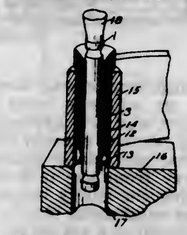
2,044,392
JOINT
Hugh C. Lord, Erie, Pa.
Application February 7, 1930, Serial No. 426,498
14 Claims. (Cl. 287—85)

1. A joint comprising an outer member, a substantially rigid inner member, a resilient rubber member disposed between the inner and outer members and permanently united with the inner member, the outer and inner members confining the resilient member under substantial compression sufficient to give the body of the resilient



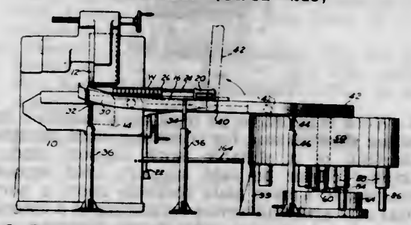
member an initial working pressure condition with substantial added resistance radially, and to assist in maintaining the union between the inner and resilient members.

2,044,393
METHOD OF FORMING JOINTS
Hugh C. Lord, Erie, Pa.
Original application February 7, 1930, Serial No. 426,498. Divided and this application January 15, 1932, Serial No. 586,786. Renewed December 26, 1933
18 Claims. (Cl. 29—88.2)



1. The method of forming joints which consists in bonding a rubber bushing having tapered ends on to a central pin and forcing the bushing into a sleeve sufficiently smaller than the bushing to place the rubber under high transverse pressure and longitudinal shear distortion.

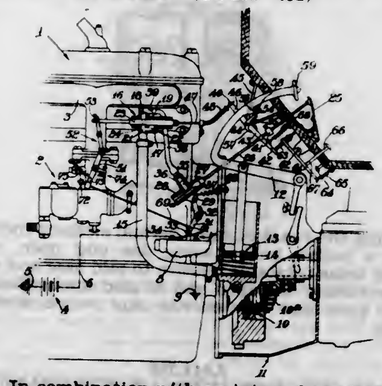
2,044,394
ARTICLE FEEDING APPARATUS
Eugene M. Marchand, Bristol, Conn., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application June 11, 1932, Serial No. 616,678
13 Claims. (Cl. 51—215)



1. In a machine having a guide for presenting work-pieces thereto, a bin adjacent to the guide, means for conducting treated work-pieces from the machine to the bin, and means for elevating the work-pieces in the bin; substantially as described.

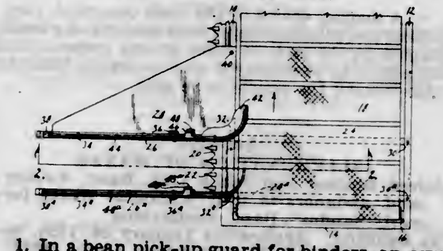
13. In apparatus of the character described, a rotary bin having a plurality of compartments, a tray guided vertically in each compartment and having an inclined bottom with a drain opening, a hollow plunger attached to the tray around the drain opening, and a tank below said bin and receiving the plungers; substantially as described.

2,044,395
POWER CONTROLLING SYSTEM
William L. McGrath, Elmira, N. Y., assignor to Eclipse Machine Company, Elmira, N. Y., a corporation of New York
Application December 4, 1931, Serial No. 579,068
21 Claims. (Cl. 192—.01)



1. In combination with an internal combustion engine including a fuel intake system, a starting system therefor and a clutch for connecting the engine to its load, a manually operated control member, connecting means whereby initial operation of the control member when the engine is not running controls the starting system, means whereby further operation of the control member controls actuation of the clutch, and means whereby still further operation thereof controls the fuel supply to the engine.

2,044,396
BEAN PICK-UP GUARD
Louis W. Perau, Lyle, Minn.
Application October 21, 1935, Serial No. 45,973
12 Claims. (Cl. 56—312)

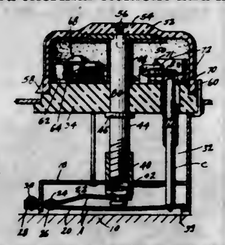


1. In a bean pick-up guard for binders, an arm secured to the platform frame of a binder and projecting forwardly from the sickle thereof, a guard board supported thereby in a vertical plane, the forward end of said board being pointed and the rear end thereof widening, and a horizontally arranged shield having a side edge adjacent the bottom of said guard board and a rear edge terminating above the binder platform for carrying bean vines hanging over the guard board to the platform without being cut off by said sickle.

2,044,397
TEMPERATURE RESPONSIVE SWITCH
Lawrence M. Persons, Des Moines, Iowa, assignor to Penn Electric Switch Co., Des Moines, Iowa, a corporation of Iowa
Application October 16, 1933, Serial No. 693,812
6 Claims. (Cl. 200—139)

1. A temperature responsive switch comprising

a switch base, a thermal element supported relative thereto and responsive to temperature, switch mechanism upon said base, said thermal element being associated therewith to operate said switch mechanism depending on temperature changes affecting said thermal element and means for adjusting the range of said thermal element including a hollow knob having one end open, said knob being rotatable relative to said base and said base closing the open end of said knob whereby said knob and base enclose said switch mechanism.



2,044,398

APPARATUS FOR SHIRT OR MERCHANDISE DISPLAY

Noel E. Pool and Fred N. Curby, Salt Lake City, Utah

Application October 30, 1934, Serial No. 750,616
6 Claims. (Cl. 248—28)



4. A display device of the class described, comprising five pivotally supported links having hooks formed on the ends of three of said links to hold the article to be displayed and springs to hold the links toward the article to be held.

2,044,399

SULPHONATION OF WAXES

Alfred Rheiner and Jakob Link, Basel, Switzerland, assignors to firm "Chemical Works formerly Sandos", Basel, Switzerland

No Drawing. Application January 26, 1934, Serial No. 708,512. In Switzerland April 1, 1933
8 Claims. (Cl. 87—12)

1. Process of the character described comprising sulphonating waxes of the ester type with sulphonating agents containing sulphuric acid esters of aliphatic polyhydric alcohols at a temperature of 0–80° C.

2,044,400

SULPHONATION OF OILS OR THEIR FATTY ACIDS

Alfred Rheiner and Jakob Link, Basel, Switzerland, assignors to the firm of Chemical Works formerly Sandos, Basel, Switzerland

No Drawing. Application May 28, 1935, Serial No. 23,946. In Switzerland June 5, 1934
8 Claims. (Cl. 87—12)

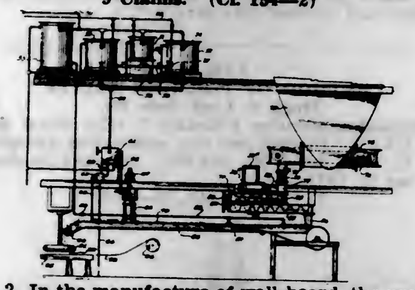
1. Process of the character described comprising sulphonating an aliphatic compound selected from the class consisting of saturated and unsaturated fatty acids and their glycerides with glycerine trisulphuric acid in presence of free sulphuric acid at a temperature of 35° to 65° C.

2,044,401

CORE COMPOSITION AND METHOD OF MANUFACTURING SAME

Carlisle K. Roos, Wheaton, Ill., assignor to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application August 15, 1929, Serial No. 386,189
9 Claims. (Cl. 154—2)



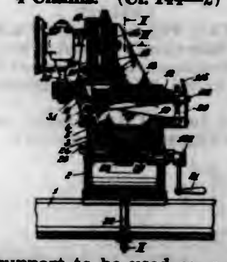
2. In the manufacture of wall-board, the process of forming an adhesive bond between the paper cover sheets and the gypsum core which comprises mixing calcined gypsum with a partially dextrinized farinaceous gelable adhesive, forming an aqueous slurry from the mixture thus produced, and placing the slurry between the cover sheets before any substantial part of the said adhesive is transformed to a gel state.

2,044,402

PRODUCTION OF SHUTTLES

Josef Rückert, Zuckmantel, Czechoslovakia

Application August 6, 1932, Serial No. 627,801. Renewed January 16, 1936. In Czechoslovakia May 5, 1932
4 Claims. (Cl. 144—2)



1. Work support to be used on a machine for forming shuttles and for trimming worn shuttles consisting of a slidable work support and a clamping device on said support, said support consisting of a base plate rockable about a horizontal axis and said device consisting of a clamping bracket having an adjustable clamping jaw and an adjustable work-locating plate and means for securing or clamping together the base plate, the clamping bracket and the adjustable plate.

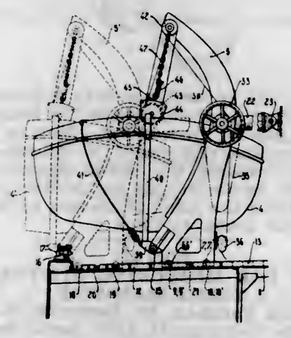
2,044,403

MEANS FOR HANDLING A SHIP'S LIFEBOAT

Ane Pieter Schat, Utrecht, Netherlands

Application October 25, 1933, Serial No. 695,191
2 Claims. (Cl. 9—22)

2. In an installation for launching a lifeboat on board a vessel comprising a substantially straight trackway provided athwartships on a vessel, an upright davit arm movable on said trackway and maintained in upright position during travel thereon, substantially horizontal pivot means for limiting the outboard movement of said davit arm, said pivot means including a pivot element on the davit arm and a pivot element fixed on the ship above the trackway and engageable by the first mentioned pivot element when the davit arm is in outboard position, whereby said davit arm may perform a luffing motion about the horizontal axis of said pivot means, and means for moving the davit arm along said trackway and for swinging it about said axis.



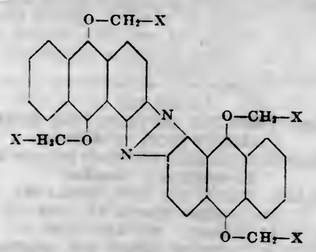
2,044,404

PROCESS OF PREPARING DYESTUFFS OF THE N.N - DIHYDRO-1.2.2'.1'-ANTHRAQUINONE AZINE SERIES AND NEW INTERMEDIATE PRODUCTS OBTAINABLE THEREBY

Karl Schirmacher, deceased, late of Frankfort-on-the-Main-Hochst, Germany, by Werner Schirmacher and Elisabeth Weidgen, geb. Schirmacher, heirs, Frankfort-on-the-Main-Hochst, Wilhelm Schaich, Bad Soden-on-the-Taunus, Arthur Wolfram, Frankfort-on-the-Main-Rodelheim, and Hans Tampke, Kurt Billig, and Werner Schirmacher, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Original application May 26, 1927, Serial No. 194,523. Divided and this application June 13, 1932, Serial No. 617,038. In Germany June 15, 1926
6 Claims. (Cl. 260—31)

6. The compounds of the following general formula:



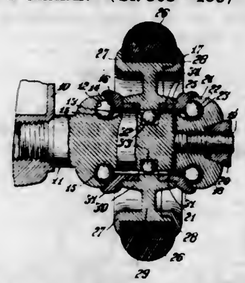
wherein all X's represent hydrogen or a carboxy group.

2,044,405

ANTIFRICTION BEARING

Erwin J. Schmidt, Chicago, Ill., assignor, by mesne assignments, to Allied Engineering Company, Chicago, Ill., a corporation of Illinois

Application December 4, 1933, Serial No. 700,870
5 Claims. (Cl. 308—198)



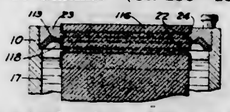
1. In a mechanism of the type described, the combination of a hollow bearing member, a shaft member insertable forwardly through said bearing member and having its forward end portion in the form of a shank, means for limiting the forward movement of the shaft member through said bearing member, a block secured on said shank and having an undercut groove circumferentially thereabout with the wall at one side of the groove shallow and the wall at the opposite side of the groove comparatively much deeper and extending laterally over the groove, and a set of anti-friction balls mounted in said groove and normally held by the groove walls from withdrawal from the groove adapted by engagement with said first mentioned bearing member to press it against said limiting means and to give anti-friction support for said bearing member transversely of the shaft.

2,044,406

BATTERY CELL

Erwin A. Schumacher, Lakewood, Ohio, assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

Application July 29, 1933, Serial No. 682,773
19 Claims. (Cl. 136—133)



1. In an air-depolarized primary battery cell having liquid electrolyte; a carbon electrode having a portion exposed to the air outside said cell; a support for said electrode between said electrolyte and said exposed portion; said electrode having one or more grooves therearound within said support; and a thermoplastic sealing material between said support and said electrode extending into said grooves.

2,044,407

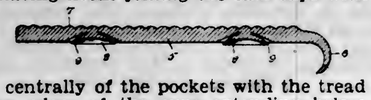
STEP MAT

Ellis R. Smith, Blanchard, Pa.

Application June 28, 1935, Serial No. 28,945
1 Claim. (Cl. 154—49)

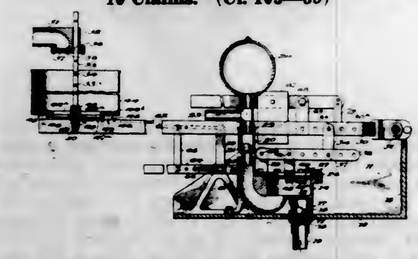
A mat of the character described comprising a sheet-like substantially non-porous resilient body having pockets in one face thereof and opening through the under side of the same, and vacuum cups within these pockets with the walls

of said cups spaced from the walls of the pockets and having necks joining the said cups with the



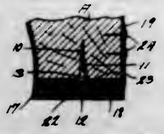
body centrally of the pockets with the tread engaging edges of the cups extending below the entrances to the pockets.

2,044,408
PUMP
Thomas W. Smith, Yanceyville, N. C., assignor of one-half to Fred Bryan Harton, Ruffin, N. C.
Application August 31, 1935, Serial No. 38,817
10 Claims. (Cl. 103—55)



1. A water-motor pump comprising: a pump chamber having valve-controlled inlet and outlet ports, means associated with said chamber for displacing fluid therefrom, an oscillating beam operatively connected to said last means, a bucket carried upon the free end of said beam and effective, when charged with water, to depress said beam and effect displacement of fluid from the pump chamber, valve means in said bucket for dumping its contents, and valve-actuating means including a snap-spring element trip-controlled by said beam for instantaneously throwing open said dump-valve means at the lower limit of movement of said beam.

2,044,409
DETACHABLE HEEL LIFT
Esther E. R. Swanson, Milwaukee, Wis.
Application November 14, 1935, Serial No. 49,825
5 Claims. (Cl. 36—36)



1. As an article of manufacture, a heel lift attaching means including a plate formed for insertion within a heel lift and having a central thickened portion formed with a central threaded aperture, the plate having a tongue projecting from its inside edge, and a shank for holding the lift upon a heel, the shank having a wood screw for a portion of its length for engagement in a heel and having a machine thread on the remainder of its length and adapted to engage in the threaded aperture in the thickened portion of the plate.

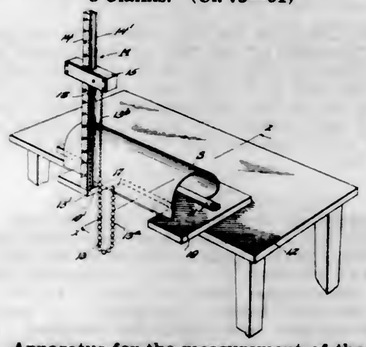
2,044,410
DENTAL INSTRUMENT
Albert Ewing Thornberry, Cambridge, Ohio
Application December 18, 1934, Serial No. 758,112
5 Claims. (Cl. 128—215)

1. In oral anaesthesia, an instrument facilitating the location of the proper area in the oral cavity for the insertion of a hypodermic needle in the operation of blocking the inferior dental or mandibular nerve, comprising an elongated member, means for securing the member to a finger whereby a portion of the member will extend from the end and over the top of the finger, means designating a point on said member at



which the end of the finger is to be located, and needle guiding means carried by the member and so spaced beyond the said last means as to indicate, when the said finger is located on the retromolar triangle, the correct point for insertion of the needle so that the needle will penetrate to about the point where said nerve enters the inferior dental foramen.

2,044,411
DEVICE FOR MEASURING STIFFNESS OF SHEET MATERIAL
Leonce Vaughan, Jr., Hartsville, S. C.
Application February 17, 1936, Serial No. 64,402
5 Claims. (Cl. 73—51)



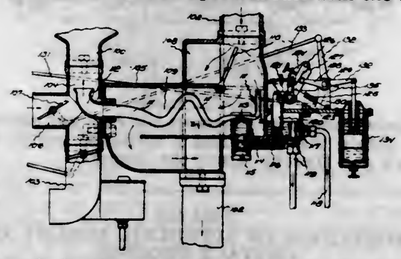
1. Apparatus for the measurement of the stiffness of a sheet of paper or the like by the application of measured bending forces thereto comprising means for engaging one margin of such a sheet and maintaining the same in fixed position while the remainder thereof is flexed into approximately the form of a semi-cylinder with downturned free margin, and mechanism for weighting the said free margin of such sheet, when so disposed, to further downwardly deflect the same while permitting free horizontal movement of such margin and free curvature of the sheet, said mechanism including a weighting chain having an element at one end for attaching the same to the depending margin of such a sheet and means engaging the chain at a point spaced from said element for varying at will the length of that portion of the chain which is supported by the free margin of the sheet.

2,044,412
CHARGE FORMING DEVICE FOR INTERNAL COMBUSTION ENGINES
Axel Hugo Weiertz and Per Axel Reinar Weiertz, Landskrona, Sweden
Application March 21, 1935, Serial No. 12,268
In Sweden March 23, 1934
14 Claims. (Cl. 123—119)

1. A charge forming device for internal combustion engines, comprising in combination, a housing adapted to be connected to the exhaust

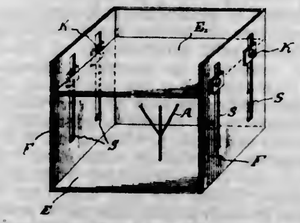
CARNEGIE LIBRARY OF ATLANTA

pipe of the engine and to be passed by the exhaust gases, a vaporizer housed in said housing and adapted to be swept by the exhaust gases so as to be heated thereby, means for supplying liquid fuel to said vaporizer, including a valve means for controlling the fuel supply to the vaporizer, a socket adapted to be connected to the suction intake pipe of the engine and provided with an air inlet, the vaporizer being adapted to discharge the vaporized fuel into said socket for mixing the vaporized fuel with the air



drawn in by the engine through said air inlet, a valve means for controlling said air inlet, means for simultaneously controlling said fuel valve means and said air valve means for the purpose of controlling the power of the engine, and a retarding means for retarding movement of said air valve in relation to movement of said fuel valve when moving said valves in a direction for decreasing the fuel supply to the vaporizer and the air supply to the intake pipe of the engine, respectively.

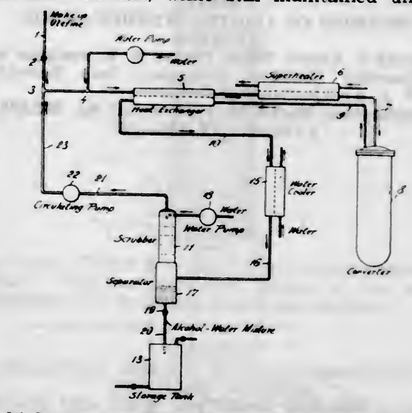
2,044,413
TRANSMITTER AND RECEIVER FOR ELECTROMAGNETIC WAVES
Rudolf Weyrich, Brunn, Czechoslovakia
Application August 5, 1931, Serial No. 555,386
In Germany August 7, 1930
11 Claims. (Cl. 250—11)



1. In apparatus for signaling by means of electromagnetic waves, the combination of an antenna with reflectors near to the antenna, the reflectors enclosing a space having a natural frequency approximately coinciding with the frequency of the electromagnetic waves.

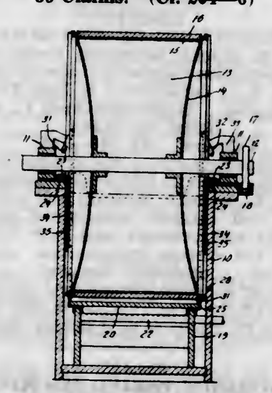
2,044,414
MANUFACTURE OF ALCOHOLS
Walter Wilkinson, Rye, N. Y., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York
Application October 20, 1934, Serial No. 749,149
6 Claims. (Cl. 260—156)

1. In the synthetic production of alcohols from alkylene hydrocarbons by catalytic hydration of the hydrocarbons at a high temperature and under a high pressure and in a continuous manner, and with the continuous formation of a mixture of unchanged hydrocarbon, alcohol vapor and steam, the improvement in the separation and recovery of the alcohols from such mixture which comprises subjecting the admixed alkylene hydrocarbon, alcohol vapor and steam, coming from the high temperature catalytic hydration reaction, while still maintained under



a high pressure, to cooling and to a countercurrent scrubbing with water to effect condensation of aqueous alcohol from the mixture and the removal of alcohol vapors from the alkylene hydrocarbon, whereby the alkylene hydrocarbon is recovered in a practically alcohol-free state.

2,044,415
METHOD AND APPARATUS FOR ELECTRODEPOSITION
Charles E. Yates, Perth Amboy, N. J., assignor, by mesne assignments, to Anaconda Copper Mining Company, New York, N. Y., a corporation of Montana
Application July 13, 1932, Serial No. 622,171
35 Claims. (Cl. 204—6)



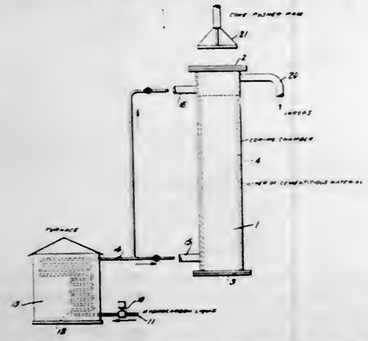
1. A method of electrodeposition carried on in a cell containing an electrolyte, an anode, a cylindrical main cathode having its curved surface opposed to the anode, and a sub-cathode opposed to the end of the main cathode which comprises causing current to flow through the electrolyte from the anode to the curved surface of the cathode, confining a body of electrolyte in contact with the end of the main cathode and the sub-cathode, said body of electrolyte being isolated from the remainder of the electrolyte maintaining said

sub-cathode at a potential lower than that of the main cathode, and maintaining a continuous circulation of electrolyte through the space between the main cathode and the anode.

2,044,416
METHOD OF COKING HYDROCARBON LIQUIDS

Harold V. Atwell, White Plains, N. Y., assignor to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware

Application March 29, 1933, Serial No. 663,290
1 Claim. (Cl. 202—36)



In the process of coking hydrocarbon oil within a metal vessel, the steps which comprise lining the interior of the vessel with a cementitious layer of substantial thickness, sealing the entire exposed surface of said lining by applying a thin metallic coating thereto, thereby preventing contact of oil to be coked with the inner cementitious layer, supplying oil to the vessel and maintaining it at a coking temperature until coked, thereby rendering said cementitious layer frangible, and then discharging the coke produced together with the linings.

2,044,417
PRODUCTION OF ALCOHOLS

Frederick R. Balcar, Stamford, Conn., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

No Drawing. Application April 12, 1935, Serial No. 15,949
6 Claims. (Cl. 260—156)

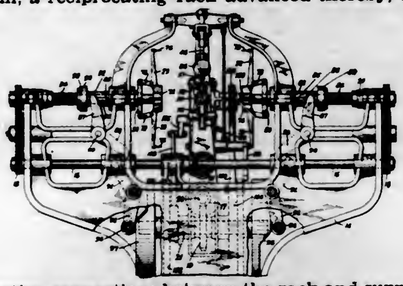
1. The improvement in the production of alcohols by the catalytic hydration of olefines with the use of an aqueous substantially non-volatile inorganic acid catalyst maintained at a high temperature and pressure and with continuous supply of the olefine hydrocarbon and steam thereto and continuous removal of alcohol vapors therefrom which comprises supplying an alkyl ester of the acid catalyst to the converter to make up for losses of acid during the process.

2,044,418
COCOANUT PARING MACHINE

Secondo L. Casella, New York, N. Y., assignor to Franklin Baker Company, New York, N. Y., a corporation of New Jersey

Application January 13, 1932, Serial No. 586,317
28 Claims. (Cl. 146—7)

1. In a machine of the character described, in combination, a knife, a knife carrier, a rotatable knife support on which the carrier is pivoted, a spring to urge the carrier to bring the knife into contact with the work, a plunger to move the carrier against the action of the spring, a cam, cam controlled means to push the plunger, a second cam, a reciprocating rack advanced thereby, op-

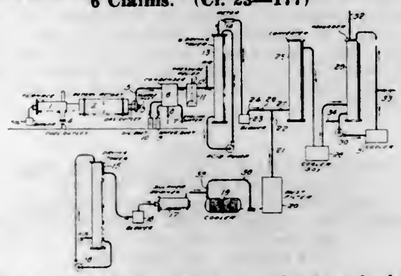


erative connections between the rack and support to rotate the same, and a spring to return the rack and thereby return the support.

2,044,419
PRODUCTION OF SULPHURIC ACID BY THE CONTACT PROCESS

Cyril B. Clark, Scarsdale, N. Y., assignor to American Cynamid Company, New York, N. Y., a corporation of Maine

Application May 18, 1933, Serial No. 671,647
6 Claims. (Cl. 23—177)



1. A method of producing sulphuric anhydride which comprises subjecting residual sludge from the sulphuric acid purification of hydro-carbonaceous material to thermal decomposition with the formation of a gas containing SO_2, removing the major portion of free water vapor and substantially all of the condensable hydrocarbons from said gas, producing an SO_2 gas by the combustion of sulphur containing materials included in the class consisting of sulphur and sulphide ores, drying the gas, admixing the two gas streams in such proportions as to produce an SO_2 gas having an SO_2 and oxygen content suitable for conversion by the contact sulphuric acid process and containing an amount of combustible hydrogen-containing substances sufficiently small so that the hydrogen content on combustion will not yield more than 28 milligrams of water per cubic foot of gas and passing said combined gas over a sulphuric acid contact mass at reaction temperature to produce sulphuric anhydride.

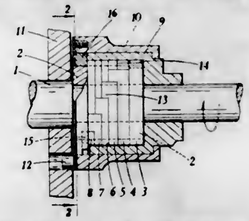
2,044,420
FREEWHEEL DRIVING MECHANISM

John Robert Collyear, Leverno, Bushey, England, assignor of one-half to Thomas George Baxenden, Watford, England

Application February 26, 1936, Serial No. 65,910
In Great Britain August 14, 1934
5 Claims. (Cl. 74—7)

1. Free-wheel driving mechanism comprising a rotatable driving member, a rotatable driven

member, a plurality of split rings arranged face to face coupling said members, said rings being interengaged and tending upon rotation of the driving member in the forward direction to tighten themselves against at least one of said members and transmit the drive by frictional engagement therewith and, on rotation of the

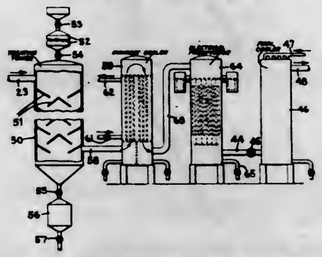


driving member in the reverse direction, to slacken their grip, and trip means operable automatically on backward movement of the driven member in relation to said means to release the driving grip of the rings and thereby permit rotation of the driven member in a backward direction in relation to the driving member.

2,044,421
REMOVING GUM-FORMING CONSTITUENTS FROM FUEL GAS

Horace B. Cooke, Greenwich, Conn., assignor to The Gray Processes Corporation, Newark, N. J., a corporation of Delaware

Application September 29, 1933, Serial No. 691,426
1 Claim. (Cl. 23—3)



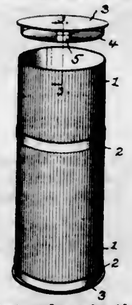
The process of treating fuel gas derived from the gasification of carbonaceous fuel containing relatively minute quantities of potentially gum-forming constituents to prevent the deposition of gummy or resinous material from said gas upon distribution thereof, which comprises compressing the gas to a moderately elevated superatmospheric pressure, contacting the compressed gas while substantially at the temperature of compression with freely falling particles of finely divided solid adsorbent catalytic material to polymerize said gum-forming constituents, and then subjecting the gas to electrical precipitation to remove polymers entrained in the gas after contact with said catalytic material.

2,044,422
KNOCK-DOWN DISPLAY PEDESTAL

Ellsworth L. Davidson, Chicago, Ill., assignor to Mandell Manufacturing Co., Chicago, Ill., a corporation of Illinois

Application February 13, 1936, Serial No. 63,713
5 Claims. (Cl. 40—126)

1. A knock-down display pedestal, comprising a hollow shaft portion formed by a sheet of cardboard or like material bent into a tubular body, means for maintaining said sheet in a tubular condition, end members for said hollow shaft member comprising a pair of members of sheet material connected together by a plurality of toggle members of sheet material adapted to assume a straight holding condition when an afore-

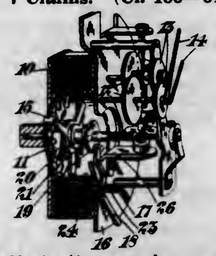


said end member is in place in the hollow pedestal shaft, with the respective sheets of the end member held in proper separated relation.

2,044,423
STARTING DEVICE FOR SYNCHRONOUS ELECTRIC MOTORS

Primus Otto Dorer and Halvor Folkestad Landstad, London, England, assignors to S. Smith & Sons (Motor Accessories), Limited, London, England, a British company

Application July 17, 1934, Serial No. 735,696
In Great Britain July 26, 1933
7 Claims. (Cl. 188—81)

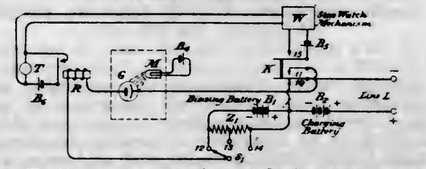


1. In a self-starting synchronous electric motor, a disc on the rotor spindle, said disc having a radial abutment, a pivoted arm frictionally bearing on said disc and capable of movement in a plane parallel with the disc and in one direction or the other according to the direction of rotation of the rotor and a detent on said arm to engage the said abutment by movement of the arm according to one direction of rotation of the rotor.

2,044,424
INSULATION TESTING SYSTEM

Paul G. Edwards, Millburn, and Charles E. Clutts, Clifton, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York

Application July 13, 1932, Serial No. 622,346
20 Claims. (Cl. 175—183)



1. Testing apparatus for a telephone line comprising, in combination with the line, a source of

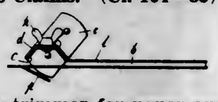
potential, means for connecting said source of potential in series with said line so as to charge said line to the potential of said source, a gas-filled tube having a predetermined breakdown potential, and means for subsequently connecting said line in series with said source of potential and said tube.

2,044,425
SWIVEL
John B. Freysinger, New Britain, Conn., assignor to North & Judd Manufacturing Company, New Britain, Conn., a corporation of Connecticut
Application August 29, 1934, Serial No. 741,909
2 Claims. (Cl. 59—95)



1. A swivelled eye or loop for a hook comprising an elongated strip of metal bent upon itself to form a closed loop, said strip having an opening adjacent one end to loosely receive an end of the hook, said one end of the strip outwardly of the opening being provided with a second opening and a split portion from said second opening through said one end of the strip, the opposite end of the strip having a T portion disposed through said second opening.

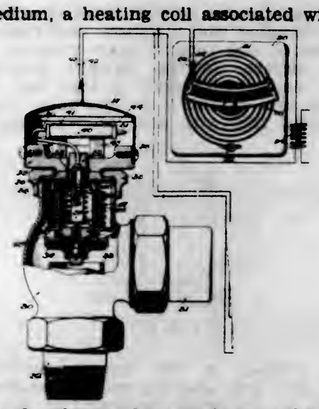
2,044,426
DEVICE FOR CUTTING OR TRIMMING WALLPAPER AND THE LIKE
Arthur Alexander Gelleff, Isleworth, England
Application April 19, 1935, Serial No. 17,342
In Great Britain April 20, 1934
6 Claims. (Cl. 164—83)



3. An edge trimmer for paper and like materials, comprising a base part formed from a single sheet of material bent back upon itself, the inner part of the bend serving as the edge of a guide formed by the base, the upper folded back part of said base having cut away adjacent the fold a piece of material in order to provide a space through which the blade may pass to enter the guide; a transversely adjustable slide carried by said base part and a blade rigidly carried by said slide with a cutting edge inclined to and projecting into the guide to intersect the plane of material therein.

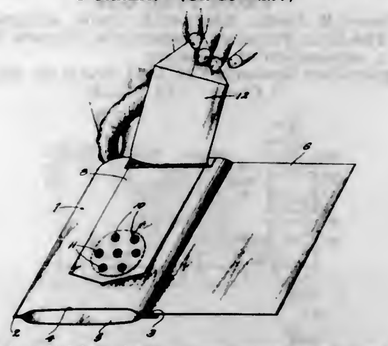
2,044,427
ELECTROTHERMALLY OPERATED VALVE
Jean V. Giesler and William B. Mackintosh, Knoxville, Tenn., assignors to The Fulton Sylphon Company, Knoxville, Tenn., a corporation of Delaware
Application August 3, 1932, Serial No. 627,358
21 Claims. (Cl. 236—68)

1. In a modulating radiator valve, in combination with a valve mechanism, an electrothermally-operated motor comprising an expansible and collapsible vessel operatively connected to said valve mechanism and subjected to the heat of the medium to be controlled, a heating chamber of small volume communicating with said vessel and charged with a volatile fluid whose boiling temperature is below the temperature of said heating medium, a heating coil associated with said



heating chamber, and means to vary the current flow through said heating coil.

2,044,428
SHOE SHINING MITT
Virginia L. Gilmer, Anderson, S. C.
Application November 30, 1935, Serial No. 52,433
4 Claims. (Cl. 15—227)



1. A polishing device comprising an elongated body of material of a character suitable for polishing, which is folded transversely along two spaced parallel lines to form two superposed portions which are secured together along opposite edges and a third portion constituting a cover flap, the said two secured portions being free of permanent connection at their other edges permitting the insertion of a hand therebetween, an apertured paste carrying means secured to the outer side of one of said two portions, said flap when in one position overlying and covering said paste carrying means, and a body of paste in said means adapted to be forced therethrough onto a surface to be polished.

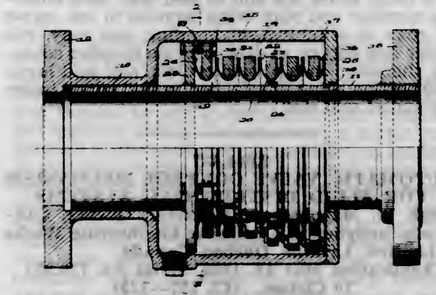
2,044,429
PHOTOLITHOGRAPHIC PROCESS
William Henry Hackett, Coogee, near Sydney, New South Wales, and Percy William Pryke, Lane Cove, near Sydney, New South Wales, Australia
Application August 29, 1933, Serial No. 687,366
In Australia August 30, 1932
1 Claim. (Cl. 95—5.1)

A process for the production of photo-mechanical printing surfaces which following upon the preparation from an original coloured picture of a usual key drawing indicating the colour components of the original includes in combination the steps of, photographically preparing from the key drawing a number of separate enlargements of the same upon the grained surfaces of metal plates which in number correspond with the number of colour printings to be superimposed in the finished printed production, painting in the said enlargements in manner so that each separate one of them may constitute a representation of a



different one of the colour components of the complete picture and, preparing from the last-mentioned representations photographic reproductions in reduced size and upon smaller surfaces of other grained metal plates in like number designed to be formed by known means into printing surfaces in manner so that successive printings from them upon the same smooth paper surface may form the finished coloured picture or print.

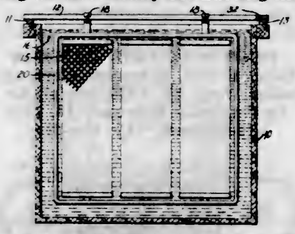
2,044,430
EXPANSION JOINT
Robert Hall, Lockport, N. Y., assignor to American District Steam Company, North Tonawanda, N. Y., a corporation of New York
Application June 4, 1935, Serial No. 24,962
7 Claims. (Cl. 285—162)



1. In an expansion joint, a tubular sealing member formed to include a series of annular U-shaped flexible portions to provide for longitudinal compression and expansion of said member, a series of rigid rings seating in the various U-shaped portions of the sealing member longitudinally movable towards and away from each other as the sealing member contracts and expands, lugs on the successive rings arranged in stepped partially overlapping relation with each other, and coupling bolts respectively connecting the lug on each ring to the overlapping lugs on the preceding and following rings arranged and adapted to allow limited longitudinal movement of the individual rings relative to each other and operating through the rings to control flexing movement of the various U-shaped portions of the tubular sealing member.

2,044,431
METHOD OF ELECTROPLATING METAL
Charles A. Harrison, Lockport, N. Y., assignor to Anaconda Copper Mining Company, New York, N. Y., a corporation of Montana
Application March 5, 1932, Serial No. 597,027
5 Claims. (Cl. 204—6)

1. The method of plating an object with metal uniformly by electrodeposition which comprises attaching the object as an electrode to a source of current, immersing the object in an electrolyte and placing an electrically conducting member at

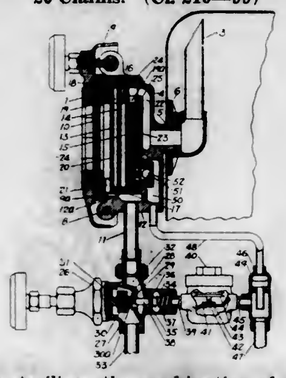


the extremities of the object, said member being spaced from the object and having a potential less than the cathode potential.

2,044,432
MANUFACTURE OF ARTIFICIAL SILK
Johan D. W. Hubbeling, Enka, N. C., assignor to American Enka Corporation, Enka, N. C., a corporation of Delaware
No Drawing. Application September 5, 1934, Serial No. 742,859
2 Claims. (Cl. 18—54)

1. A process for the manufacture of delustered artificial silk filaments from cellulosic solutions by spinning the same through spinnerettes which comprises incorporating in the cellulosic solution an amount of TiO_2 of the order of about 1% or more based on the cellulose content of the solution and an amount of $BaSO_4$ sufficient to substantially prevent the formation of agglomerations of a nature tending to clog the openings in the spinnerettes, and thereafter spinning the cellulosic solution to form filaments, the amount of $BaSO_4$ being approximately 1:8 to the amount of TiO_2.

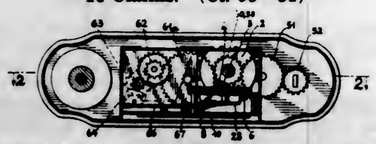
2,044,433
WATER STERILIZER
Raymond L. Jewell, Millcreek Township, Erie County, Pa., assignor to American Sterilizer Company, Erie, Pa., a corporation of Pennsylvania
Application October 17, 1933, Serial No. 693,942
20 Claims. (Cl. 210—99)



1. In a sterilizer, the combination of a receptacle; heating means for heating water in the receptacle to steam-forming temperature; a water filter; a drain for the filter; means supplying water to the receptacle through the filter and sterilizing steam to the filter from the receptacle upon discharge of water from the filter; and means

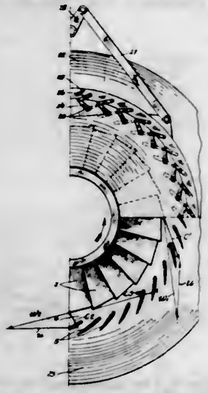
controlling the drain to discharge the water from the filter and close the drain against the discharge of steam.

2,044,434
PHOTOGRAPHIC CAMERA
Heinz Kilfitt, Schwelm, Germany
Application June 24, 1935, Serial No. 28,175
In Germany February 14, 1934
16 Claims. (Cl. 95—31)



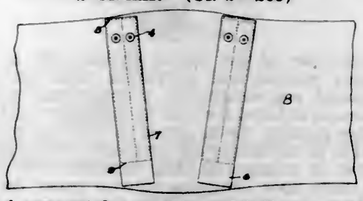
1. In a film camera having a casing provided with a lens aperture, a winding roll for film revolubly mounted in said casing at one side of the aperture, and means to support a roll of unexposed film at the other side of the aperture; the combination of a film feeding roll mounted in said casing between the winding roll and said means, spring means urging the feeding roll to rotate, a releasable latch mechanism normally holding said feeding roll from rotation, manually operable means connected to the latch mechanism to release the same, a shutter in said casing and movable between set and idle positions of closing said aperture and opening the aperture as it moves, a shutter spring urging said shutter to idle position, and gearing for the shutter operable through the latch means by the feeding roll to move the shutter to set position and thereby tension the shutter spring, said latch means being associated with said gearing whereby the release of the latch permits the shutter to move from set to idle position.

2,044,435
TURBINE
Fredrik Ljungström, Lidingo III, Sweden, assignor to Aktiebolaget Spontan, Stockholm, Sweden, a corporation of Sweden
Application December 5, 1933, Serial No. 701,030
In Sweden December 17, 1932
9 Claims. (Cl. 253—16.5)



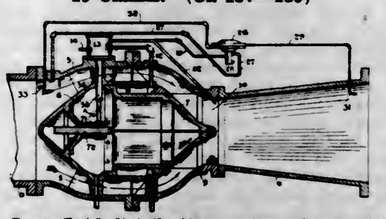
1. In a gas or steam turbine, in combination with a last row of rotatable turbine exhaust blades of the type extending radially through a substantial distance, a plurality of relatively stationary guide members adjacent to said exhaust blades and having their inner ends inclined in the direction of normal flow of the exhaust fluid when the turbine is driven normally by the fluid, said guide members being so related that during idling or abnormal flow conditions when said blades tend to pump the fluid they constitute a substantially continuous guide ring for obstructing the flow of said fluid from the interior to the exterior of said guide members.

2,044,436
STAY FOR CORSETS, BELTS, AND THE LIKE
Vernen A. Longaker, Boston, Mass.
Application May 11, 1934, Serial No. 725,201
2 Claims. (Cl. 2—259)



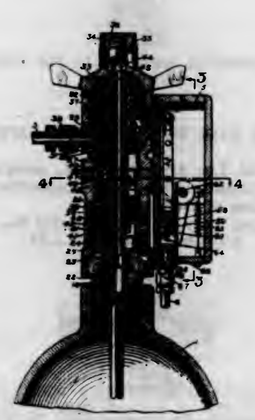
1. A support for corsets and belts comprising a stay, a covering member associated therewith, eyelets in said stay and covering member adjacent the upper end of said stay, said eyelets attaching said stay to said covering member, extended flap portions on the ends of said covering, the upper flap portion being folded over an end of said stay, the extended lower flap portion being folded at a point below the end of said stay, said covering member and stay being secured to the corset by rows of stitching surrounding said stay, the upper flap portion of said covering member covering the inner ends of said eyelets, and said lower flap portion being unattached to said corset below the end of said stay.

2,044,437
AUTOMATIC VALVE CONTROL MECHANISM FOR FLUID DISTRIBUTING SYSTEMS
Hugh W. Macpherson, Montreal, Quebec, Canada, assignor to Dominion Engineering Works Limited, Lachine, Quebec, Canada
Application May 18, 1934, Serial No. 726,353
19 Claims. (Cl. 137—139)



1. In a fluid distributing system the combination with a conduit equipped with a pressure operated plunger valve including valve opening and valve closing pressure chambers in which pressure is alternately established and relieved to control the opening and closing of the valve of automatic control means acting in response to the establishment of pressure at the intake end of the valve to relieve pressure in the valve closing chamber to atmosphere and to establish pipe line pressure in the valve opening chamber, said control means also acting in response to excessive pressure drop at the intake end of the valve to relieve pressure in the valve opening chamber to atmosphere and to establish pipe line pressure in the valve closing chamber.

2,044,438
FIRE EXTINGUISHING APPARATUS
Daniel Mapes, Montclair, N. J., assignor to Walter Kidde & Company, Inc., Bloomfield, N. J., a corporation of New York
Application July 14, 1934, Serial No. 735,152
9 Claims. (Cl. 169—11)



2. In a releasing device for releasing a medium from a container in which the medium is stored under pressure, the combination of a body member to be secured to the container, a frangible disc carried by the body member and confining the medium within the container, a cutter stem movable in the body member, a cutter on the stem to rupture the disc, a spring normally urging the cutter toward the disc, a spindle rotatably mounted in the body member, a catch on the cutter stem engaging the spindle, releasable means normally preventing movement of the spindle, said releasable means comprising a series of interengaging levers mounted on the body member and adapted to move into disengagement when the levers are released, the outermost lever of said series being secured to the spindle, a tripping lever for holding the innermost lever of the series against the transmitted force of the spring normally urging the cutter toward the disc, means terminating in a discharge outlet to direct a flowing fluid adjacent said tripping lever, and a paddle-like element formed on said tripping lever and positioned adjacent said discharge outlet and in the path of flow of fluid therefrom, whereby the flowing fluid will act on the paddle-like element to trip the tripping lever.

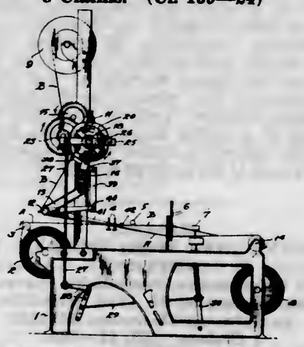
4. In a release device for fluids under pressure having a frangible disc to confine a medium under pressure, a body member provided with an outlet, a cutter movable in the body to rupture the disc, a spring to urge the cutter normally toward the disc, a rotatable spindle in the body releasably engaged by the cutter to normally prevent movement of the cutter, an arm on the spindle having a pressure surface, pivotally mounted restraining means movable into and out of engagement with the pressure surface of the spindle arm to prevent movement thereof, and means to release the restraining means comprising means to direct a flowing fluid against an element of the restraining means to release the restraining means.

2,044,439
COMBINED BURIAL CASKET AND GRAVE VAULT
John E. Mitchell, Marion, Va.
Application September 13, 1934, Serial No. 743,909
1 Claim. (Cl. 27—3)



A burial casket, comprising an open top box, spacing blocks secured at spaced intervals around the upper portion of the box, other spacing blocks secured at spaced intervals around the lower portion of the box and extending below the plane of the bottom of the box, foraminous material secured to the outer surfaces of said spacing blocks and spaced by said blocks from the side and end walls of the box and below the bottom thereof and providing air spaces between the box walls and bottom and between the spacing blocks, cementitious material mounted on said foraminous material, a sheet metal strip mounted on the box and extending over the upper edge of the cementitious material, a top frame secured to the box and adapted to have a cover hingedly mounted thereon, said sheet metal strip closing said air spaces and having an upturned outer edge providing a continuous flange spaced from and surrounding the frame, the upturned portion being returned outwardly thereon and extended below the upper edge of the cementitious material to reinforce it, the space between the frame and flange forming a recess to receive a vault top and sealing material therefor.

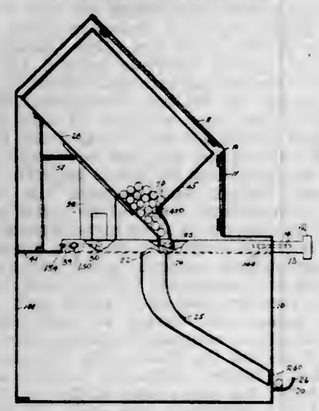
2,044,440
LOOM FOR WEAVING CRINKLE CLOTH
Henry James Murphy, Macon, Ga., ass'gnor to Bibb Manufacturing Company, Macon, Ga., a corporation of Georgia
Application November 20, 1933, Serial No. 698,898
3 Claims. (Cl. 139—24)



1. In a loom for weaving crinkle cloth having a beam for the crinkle warp, a harness, a lay and a sand-roll around which pass the threads from the crinkle warp beam to the harness, in combination with a let-off for the crinkle warp comprising a stub-shaft, a compounded ratchet-wheel and cam journaled on the stub-shaft, means actuated by the lay for intermittently rotating the

compounded ratchet-wheel and cam, a gear-train for transmitting the intermittent drive of the compounded ratchet-wheel and cam to the sand-roll to effect intermittent forward feed of the crinkle warp from the beam to the harness, and means actuated by the cam to take up and release alternately the slack in the crinkle warp fed to the harness to produce alternate rows of plain and crinkle weaving in the fabric.

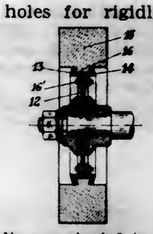
2,044,441
CIGARETTE VENDING MACHINE
August J. Nuss, Hollywood, Calif., assignor of one-half to Robert C. Palmer, Whittier, Calif.
Application October 28, 1935, Serial No. 47,108
3 Claims. (Cl. 312—80)



3. In a device for dispensing cigarettes, said device having a housing, a chute adapted to deliver cigarettes deposited therein to the outside of said housing by gravity force, a receptacle adapted to hold a supply of cigarettes, an opening in said receptacle adapted for cigarettes to be discharged therefrom, said receptacle being positioned so that the bottom thereof is on an incline, and so that the discharge opening therein is at the lower corner of said receptacle and adjacent to the upper end of the chute, an agitator adapted to prevent the cigarettes within the receptacle from clogging the discharge opening, said agitator consisting of sliding members adapted to be moved back and forth longitudinally on the upper surface of the bottom of said receptacle, and means for raising slightly said sliding member while it is sliding upward, consisting of a spring adapted to become operative as the sliding member moves upward from the lower end of its path of travel.

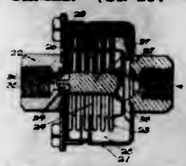
2,044,442
GRINDING DISK WITH CORE OF WIRE NETTING
Emil Offenbacher, Nuremberg, Germany
Application December 21, 1934, Serial No. 758,696
In Germany December 28, 1933
3 Claims. (Cl. 51—206)

1. A grinding disk for shaping stones and other hard material, comprising a wide crown or ring of abrading material, an internal continuous rib of trapezoidal cross section on this ring, a core made of two parallel disks of wire netting, a ring of tapered cross section soldered on the internal side of the periphery of each of said disks, holes made through said rings and said rib, and bolts through said holes for rigidly assembling the



crown of abrading material to the disks of wire netting.

2,044,443
MEANS FOR PREVENTING SIPHONIC ACTION
Oran W. Ott, Los Angeles, Calif., assignor to The Fulton Syphon Company, Knoxville, Tenn., a corporation of Delaware
Application May 12, 1933, Serial No. 670,808
8 Claims. (Cl. 137—78)



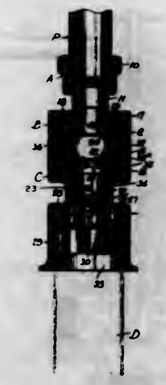
1. In a device for preventing back siphoning of impure water, in combination with a supply line, a drainage line and a cross-connection between said supply and drainage lines, a casing communicating with said cross-connection, a flexible wall within said casing, means whereby atmospheric air is admitted to the interior of the casing at one side of said wall, means whereby the pressure at the supply side of the cross-connection is applied to the opposite side of said flexible wall, and valve mechanism operated by said flexible wall and controlling communication between the air side of said wall and said cross-connection.

2,044,444
BUSHINGS FOR CONNECTERS
Dwight W. Pond, Terryville, Conn., assignor to National Engineering Corporation, Terryville, Conn., a corporation of Connecticut
Application January 22, 1931, Serial No. 510,374
4 Claims. (Cl. 247—43)



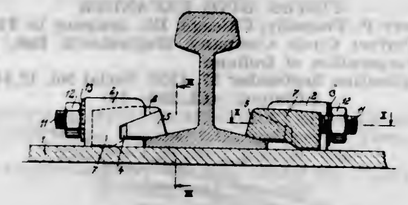
1. In combination with a flexible armored cable, an insulator bushing on the end of the cable; a cable connecter having a screw-threaded neck; an apertured outlet box into which said neck extends; a cap including a tubular body having an internal thread for engagement with a thread on the neck of the connecter to anchor the connecter in the aperture of the outlet box; and means for securing the cable to the connecter with the end thereof adjacent the inner end of said neck; said cap having means partially closing the inner end thereof to act as a stop for the end of the cable armor and including a plurality of inwardly extending arms spaced from each other to afford peep slots for permitting superficial inspection of the end of the cable armor and insulator bushing carried thereby.

2,044,445
SHOWER HEAD
Emil Price and William A. Pfister, Los Angeles, Calif.
Application November 5, 1934, Serial No. 751,625
6 Claims. (Cl. 299—130)



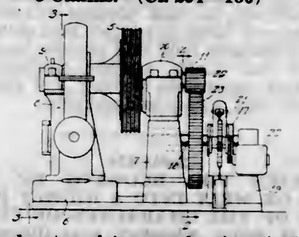
2. A shower head comprising an annular, downwardly opening skirt having a top wall formed with a central orifice and provided with an annular series of V-shaped flutes extending longitudinally of the inner walls thereof; and means for delivering water to the orifice from a supply line and including a conical element mounted relatively to the skirt for movement through the orifice and for projecting at respectively different distances into said skirt.

2,044,446
RAIL FASTENING
Rudolf Raffenbeul, Hagen-Vorhalle, Germany
Application November 23, 1934, Serial No. 754,389
In Germany February 8, 1934
9 Claims. (Cl. 238—364)



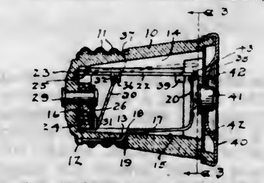
1. A rail fastening comprising a base with upstanding projections, recesses in said projections facing the rail, wedge-shaped clamping members adapted to engage in said recesses and to bear against the foot of the rail, upstanding open slots subdividing said projections, arms on the clamping members adapted to lie in said slots, screw-threaded extensions on the outer ends of said arms arranged to extend beyond the upstanding slots and nuts on said extensions adapted to co-operate with the outer faces of the upstanding projections to draw the clamping members into their recesses and hold them tightly against the foot of the rail.

2,044,447
ELEVATOR CONTROL DEVICE
Joseph Rice, Chicago, Ill., assignor of one-half to Elevator Company of America, Chicago, Ill., a corporation of Illinois
Original application January 13, 1930, Serial No. 420,611. Divided and this application March 21, 1934, Serial No. 716,600
5 Claims. (Cl. 254—186)



1. An elevator drive mechanism including a drum shaft having a cable drum thereon, a higher speed shaft connected to said drum shaft, a lower speed shaft connected to said drum shaft, and braking means on the higher and lower speed shafts said lower speed shaft being driven at a speed substantially less than the speed of said drum shaft.

2,044,448
CIRCUIT INTERRUPTER
Durward S. Rivers, Indianapolis, Ind.
Application November 22, 1933, Serial No. 699,103
10 Claims. (Cl. 200—116)



1. In a circuit interrupter, a body, a conducting member inside of the body, a contacting stud extending through the body and conducting member, a shiftable lever, an expansible member interconnected with said conducting member and said lever, a conducting ferrule on the outside of the body, a conductor spring electrically connecting with the ferrule, and releasable means on the shiftable lever engaging said conductor spring when said expansible member is in its normal state and circuit closed, said expansible member being formed to expand longitudinally upon a flow of current thereover in excess of a predetermined rate and shift the lever out of engagement with the conductor spring to break the circuit.

2,044,449
RESET FUSE PLUG
Durward S. Rivers and Roy B. Storms, Indianapolis, Ind.
Application March 11, 1935, Serial No. 10,466
8 Claims. (Cl. 200—116)



1. The combination of a base, a central stud carried by the base, an expansible member elec-

trically connected to the stud, a rocker bar shifted by expansion of said member, a body, a ferrule interconnecting the body and the base, a conductor leading from the ferrule and having an inturned end, an end turned inwardly from said bar opposite said conductor end, a plunger loosely fitted to have lateral play and having a metal member thereon, spring means urging the plunger away from said ends, and a shoulder on the metal member on said plunger engaging said ends to permit them to contact said metal member and releasably hold said plunger against the urging of said spring, whereby shifting of said bar by said expansible member will cause it to move from and release said plunger.

2,044,450

APPARATUS FOR BLOWING UP LIQUID SLAG OR MELT INTO A HIGHLY POROUS MASS OF THE CHARACTER OF PUMICE

Carl H. Schol, Allendorf, near Dillenburg, Germany

Application February 7, 1935, Serial No. 5,384
8 Claims. (Cl. 49—77.5)



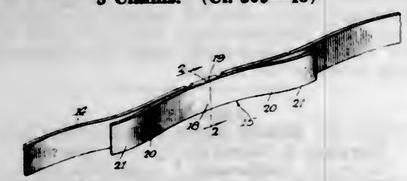
1. An apparatus for blowing molten slag, comprising a gutter having a slag conveying surface, a slag receiving end and a slag discharge end, there being a chamber for the reception of cooling liquid below said gutter, means for supplying slag to said gutter, means for supplying liquid to said chamber and means for deflecting liquid from said chamber onto the conveying surface of the gutter.

2,044,451

PISTON RING EXPANDER

Charles N. Teetor, Hagerstown, Ind., assignor to The Perfect Circle Company, Hagerstown, Ind., a corporation of Indiana

Application September 23, 1935, Serial No. 41,710
5 Claims. (Cl. 309—43)



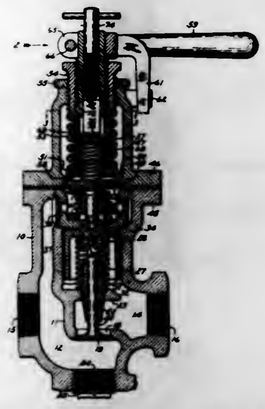
1. A piston ring expander comprising a spring metal supporting band, spring members carried by said band and each having an intermediate portion with spring arms extending therefrom in opposite directions and in overlying relation to said band, means connecting the intermediate portions of said spring members to said band, and said band being bowed outwardly beneath said spring arms providing spring sections in said band upon which said spring arms seat.

2,044,452

ADJUSTABLE LOADING MEANS

Charles M. Terry, Decatur, Ill., assignor to A. W. Cash Company, Decatur, Ill., a corporation of Delaware

Application April 1, 1935, Serial No. 13,999
12 Claims. (Cl. 137—153)



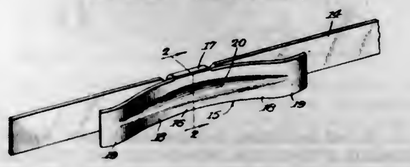
1. An adjustable loading means for a fluid pressure responsive device comprising two concentric coiled compression springs mounted above the device with their common axis vertical, said springs being arranged to provide a downward force for loading the device, a frame portion extending above the outer spring, a sleeve mounted in the frame portion and forming a vertically adjustable support for the upper end of the outer spring, a vertical element extending downwardly through the sleeve and screw-threaded to the interior of the sleeve, and means to turn said element about its axis and move it between an upper and a lower position, said element when in its upper position serving to support the lower end of one of the springs and prevent transmission of force from the said spring to the device.

2,044,453

PISTON RING EXPANDER

Harry P. Troendly, Chicago, Ill., assignor to The Perfect Circle Company, Hagerstown, Ind., a corporation of Indiana

Application September 27, 1935, Serial No. 42,442
4 Claims. (Cl. 309—43)



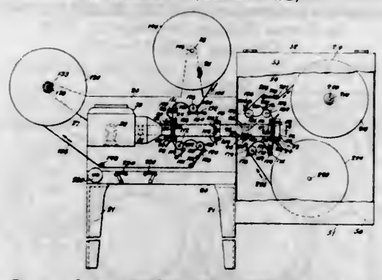
1. A piston ring expander comprising a supporting band, spring members carried by said band and each having spring arms extending in opposite directions in overlying and spaced relation to the outer face of said band, said spring members each being provided with a crown extending throughout the greater part of its length and which is of greater depth and width at the central portion of the spring member and is gradually reduced in depth and width toward the ends of said spring arms.

2,044,454

PHOTOGRAPHIC FILM PRINTING APPARATUS

Lyman A. Wilson and Joseph Johnson, New York, N. Y.

Application March 21, 1932, Serial No. 600,182
6 Claims. (Cl. 88—24)



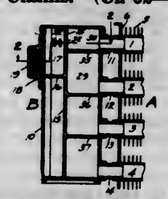
1. In a photographic film printing apparatus the combination of a light tube, means to project beams of light through said tube, a film guide plate at the entrance end of the tube and a film guide plate at the exit end of said tube, the film guide plate at the entrance end of the tube comprising a supporting member having a light slot, a presser plate having a light slot coacting with said supporting member, the film guide plate at the exit end of the light tube comprising a supporting member having a light slot, a presser plate having a light slot coacting with the latter supporting member, a translucent plate covering the slot in the latter presser plate, a stationary light plate fastened to the latter supporting member and extending partly over the light slot therein, a vertically adjustable light plate on the latter supporting member coacting with the first light plate thereon, horizontally adjustable cross plates on the latter supporting member coacting with the light slot therein, means to continuously move a standard size picture film through the film guide plate at the entrance end of the light tube, means to continuously move an unexposed film of less than standard size through the film guide plate at the exit end of the light tube at a speed varying from the speed of travel of the standard size film, a condenser lens spaced from the inlet end of the tube, a projecting lense within the light tube adjacent to its exit end and means to project beams of light through said lenses.

2,044,455

DISTRIBUTING HEAD FOR EVAPORATORS

Ernst Witzel, Racine, Wis., assignor to Young Radiator Company, Racine, Wis.

Application May 16, 1935, Serial No. 21,770
6 Claims. (Cl. 62—126)



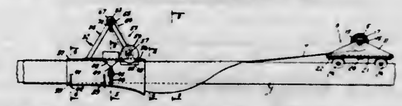
2. A device of the class described, comprising an evaporator having a number of coils, a distributor head comprising a vertically disposed housing, internal walls in said housing forming passageways, a refrigerant inlet chamber in the top of said housing having a number of outlet orifices, means whereby the refrigerant is discharged into said passageways, through individual said orifices, and discharged from each said passageway to the inlet end of one of said coils.

2,044,456

PROCESS AND APPARATUS FOR APPLYING SHIELDS TO PIPES

Frank W. Yeager, Grantwood, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey

Application January 27, 1934, Serial No. 708,584
13 Claims. (Cl. 154—2)



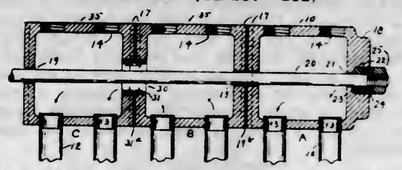
11. The process of shielding a stationary pipe which comprises placing a shield longitudinally along the top of the pipe, resiliently forcing the sides of the shield around the circumference of the pipe so that the edges of the shield form a lap along the bottom of the pipe, applying cementing material between the lap, and pressing the lap together.

2,044,457

HEAT EXCHANGER

Fred M. Young, Racine, Wis.

Application November 25, 1935, Serial No. 51,452
5 Claims. (Cl. 257—151)



1. A heat exchanger comprising a number of sections, each consisting of two headers and circulating tubes therebetween, said headers being bound together by means of bolts passing therethrough, gaskets between said headers surrounding said bolts, enlarged openings positioned alternately with closely embracing openings surrounding said bolts between certain pairs of headers, whereby the heating or cooling medium will pass serially through said sections and enlarged openings, said bolts at their ends having stuffing boxes with semi-resilient packing rings and means whereby said sections will be bound together through said rings.

2,044,458

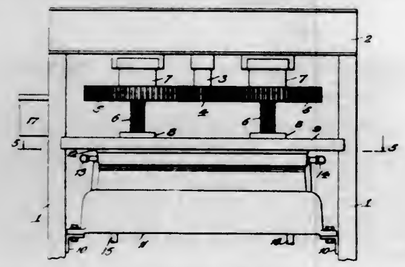
MEANS FOR LIQUID TREATING MASSES OF FIBERS AND OTHER FINE SOLIDS

Arthur Herman Adams, Yonkers, N. Y.

Application December 10, 1932, Serial No. 646,646
27 Claims. (Cl. 8—7)

10. In a multicolor spot dyeing system for yarn in skeins or masses: a plurality of liquor supplies; a force pump for each; means to predetermine the pressure at which each of said pumps delivers liquor; separate delivery passages, at least one for each of said liquor supplies, and having a plurality of branches; a series of pressure closable treating spaces adjacently arranged and each enclosed and separated from the next and from outside space, when closed, by walls comprising resilient material, each of said spaces

being connected for its liquor supply to a branch of one of said separate delivery passages; a choke screen in each of said treating spaces to form active jets in a liquor flow forced into said treating spaces by said force pumps; a set of separate collecting passages corresponding to said delivery passages and leading back to said liquor supplies; a set of branch collecting passages leading into each of said separate collecting passages from said treating spaces and corresponding to said delivery passage branches as to the treating spaces served, whereby throughout all the network of said liquor supplies, force pumps, and delivery passages and branches, treating



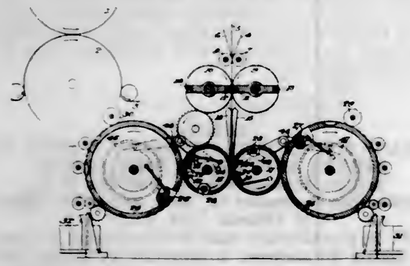
spaces, collecting passage branches and collecting passages the liquor from each of said supplies is kept from mixing with the liquor from any other of said supplies; a press machine to open said series of adjacently arranged pressure closable treating spaces so that across the walls of a plurality of said spaces can be laid a mass of yarn to be treated; and means including said press machine to close the resilient material of the walls of said spaces tightly upon such mass of yarn, whereby sequential small areas of such yarn may be simultaneously permeated by liquors from different ones of said plurality of liquor supplies.

2,044,459

SHEET COLLECTING AND FOLDING MECHANISM FOR PRINTING PRESSES

Howard M. Barber, Pawcatuck, Conn., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware

Application May 15, 1935, Serial No. 21,563
19 Claims. (Cl. 270—10)



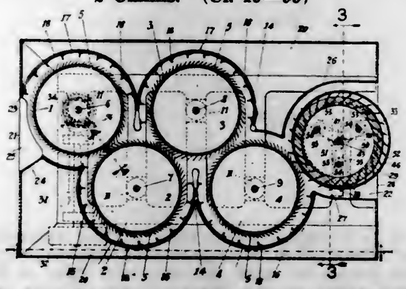
1. Means for cutting the web product of each cycle of a rotary web printing press into an even number of sheets or groups of sheets, and two collecting and folding cylinders having single collecting surfaces, each collecting and folding cylinder being arranged to collect an even number of the sheets or groups of sheets and fold them off to a predetermined point.

2,044,460

MACHINE FOR SCUTCHING SHORT FIBERS OF FLAX, JUTE, HEMP, ASBESTOS, AND OTHER SHORT FIBERS

William Bowerbank Bartram, Ottawa, Ontario, Canada, and John Hamilton Larmuth, Hill Crest, Upper Colwyn Bay, North Wales

Application September 20, 1934, Serial No. 744,784
In Great Britain October 11, 1933
2 Claims. (Cl. 19—99)



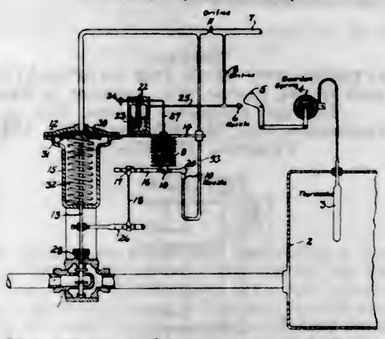
1. A machine for scutching short vegetable and mineral fibers, such as short fibers of flax, jute, hemp, asbestos and so forth, comprising a frame, a frame top, an open frame bottom, vertical bars extending from the frame top to the frame bottom, vertical drums of similar diameter provided between the frame top and frame bottom in echelon arrangement, means for rotating each drum at a higher speed of rotation than the preceding drum, spaced points projecting from the exterior of each drum and engaging the spaces between the points of adjacent drums, means for permitting the passage of foreign matter under its own weight along paths which are external to but parallel with the drum axes, means for allowing the foreign matter to escape vertically from the frame and means for discharging loose, scutched fibers horizontally from the frame.

2,044,461

MEANS FOR CONTROLLING HEAT EXCHANGE APPARATUS

Rudolf Beck, Bridgeport, Conn., assignor to Consolidated Ashcroft Hancock Company, Inc., Bridgeport, Conn., a corporation of Delaware

Application July 20, 1934, Serial No. 736,185
7 Claims. (Cl. 236—82)



1. In a system of the type described, the combination comprising a heat exchange apparatus having a supply conduit connected thereto and a pressure motor operated valve in said conduit, a pressure supply conduit connected to said motor having a bleed port, a pressure responsive

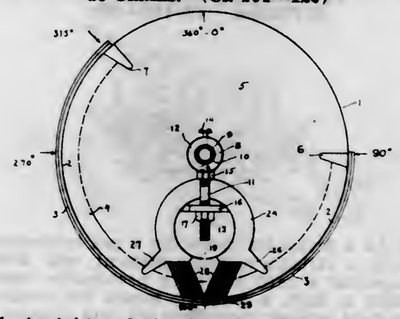
device for controlling the discharge from said bleed port, a fluid pressure supply pipe to said device including means for maintaining a mobile body of liquid in said pipe, said pipe having a bleed port, means for adjustably restricting movement of said liquid, and means subject to the temperature in said heat exchange apparatus for controlling the discharge from said bleed port.

2,044,462

INKING DEVICE FOR MIMEOGRAPH MACHINES

Humberto L. Buena, New York, N. Y.

Application November 24, 1932, Serial No. 699,539
13 Claims. (Cl. 101—120)



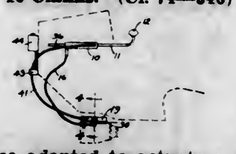
1. An inking device for mimeograph machines comprising a pendulous ink reservoir suspended from the axle of the drum of a mimeograph machine, stops mounted on said drum adapted to push and rotate said reservoir, said reservoir being free to rotate at a velocity other than that of the drum when no longer pushed by said stops, a plurality of feeding orifices incorporated in the lower portion of said reservoir for feeding ink, and a distributing element for supplying said ink to a pad of said mimeograph machine for uniformly inking a stencil mounted on said machine.

2,044,463

TRANSMISSION CONTROLLING DEVICE

Leo O. Burt, Dearborn, Mich.

Application March 29, 1935, Serial No. 13,692
10 Claims. (Cl. 74—346)



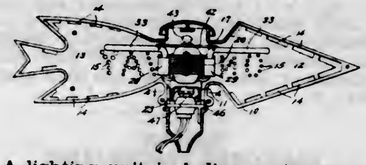
1. A device adapted to actuate a sliding gear type transmission, said transmission having a pair of axially shiftable elements therein each of which elements effects one of the transmission gear ratios when shifted to either end of its axial movement range comprising, an actuating member mounted for reciprocation in said transmission, a control member, fluid actuated means connecting said actuating member with said control member so that reciprocation of said control member in one plane causes said actuating member to reciprocate, engaging means which operably connects said actuating member to either of said shiftable elements, and a mechanical connection between said control member and said engaging means whereby reciprocation of said control member in another plane engages said actuating member first with one of said shiftable elements and then with the other of said elements.

2,044,464

NEON ILLUMINATING UNIT FOR TRAFFIC INDICATORS

Harry Lansing Carey, Great Neck, N. Y.

Application January 14, 1935, Serial No. 1,720
9 Claims. (Cl. 40—133)



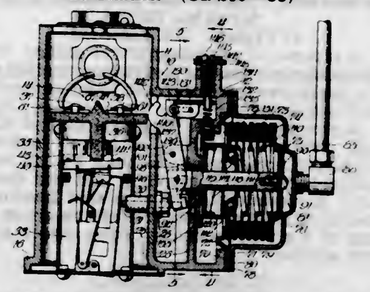
1. A lighting unit including a step-up transformer having a pair of secondary windings, a single primary winding for connection with a source of supply, a pair of current outlet members respectively connected with the secondary windings and located on opposite sides of the transformer, each outlet member having a pair of contacts and a neon gas tube for each outlet member adapted to engage said contacts so that the tubes project outwardly from the transformer in opposite directions, a cover detachably carried by the transformer and overlying the current outlet members, and means on the cover for completing the circuit to the primary winding when the cover is applied and for breaking the circuit when the cover is removed.

2,044,465

PRESSURE AND DIFFERENTIAL CONTROL

Oscar F. Carlson, Chicago, Ill., assignor to Oscar F. Carlson Company, Chicago, Ill., a corporation of Illinois

Application December 17, 1932, Serial No. 647,767
18 Claims. (Cl. 200—83)



1. Control apparatus comprising an adjustable member movable in response to variations in value of a controlling factor between minimum and maximum limits thereof, and means for automatically restricting and widening said limits in response to adjustment of said member to accommodate changes in conditions affecting said controlling factor.

2,044,466

ADHESIVE AND METHOD OF BONDING

Theodore K. Cleveland, Drexel Hill, and William Stericker, Swarthmore, Pa., assignors to Philadelphia Quartz Company, Philadelphia, Pa., a corporation of Pennsylvania

No Drawing. Application April 25, 1931, Serial No. 532,982
32 Claims. (Cl. 154—40)

15. A method of making plywood which comprises applying between adjacent faces of wet veneer a dry adhesive mixture including blood al-

bumin and a soluble silicate of alkalinity sufficient to chemically coagulate the albumin in the presence of the moisture of the veneer, pressing and drying.

32. As a new composition of matter, a dry adhesive composed of a mixture of blood albumin and a silicate of soda of alkalinity sufficient to chemically react with the albumin in the presence of moisture to form a substantially water-resistant adhesive film, the ratio of $Na_2O:SiO_2$ in the silicate of soda being not less than approximately 1:2.

2,044,467
CLEANSING PREPARATION
Theodore K. Cleveland, Drexel Hill, Pa., assignor to Philadelphia Quartz Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application May 27, 1931, Serial No. 540,497
8 Claims. (Cl. 87—5)

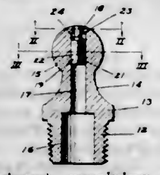
2. A detergent composition of matter comprising a physical mixture of a crystalline hydrated sodium silicate and a second sodium silicate which disperses in water to form a colloidal silicious system, the relative proportions of said silicates being such as to yield in aqueous solution a detergent bath partaking of the individual characteristics of the said silicates and adapted to be used before equilibrium is attained.

2,044,468
PREPARATION OF DIALKYL ETHERS OF GLYCOL
Henry L. Cox and Thomas D. Roper, Jr., South Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application November 9, 1934, Serial No. 752,288
13 Claims. (Cl. 260—151)

1. A process of preparing glycol dialkyl ethers, which comprises heating a glycol monoalkyl ether in the presence of sulfuric acid in an amount less than 3% by weight.

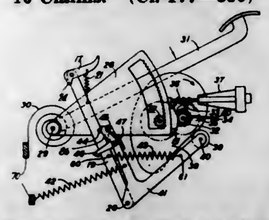
2. A process of preparing glycol dialkyl ethers, which comprises heating a glycol monoalkyl ether in the presence of less than 3% by weight of sulfuric acid, and controlling said acid concentration by maintaining during said heating an excess of at least one member of the group consisting of a glycol monoalkyl ether and a monohydric alcohol.

2,044,469
LUBRICATING DEVICE
John L. Creveling, near Tucson, Ariz., assignor to The Lubrication Corporation, South Bend, Ind., a corporation of Delaware
Application July 22, 1932, Serial No. 623,938
11 Claims. (Cl. 184—105)



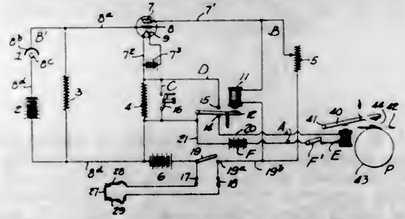
1. In a lubricant receiving fitting, a body formed with a bore therethrough, an elongated stationary slug fixed in said bore and extending to the inlet end of the bore and flush with the outer surface of the adjacent portion of the body, thereby to partially close the entrance of the bore, the relative sizes of said bore and said slug being such as to provide a lubricant passage space of minimum width for the passage of chassis lubricants therethrough under ordinary lubricant servicing operating pressures.

2,044,470
IMPULSE SENDER
Lucien Devaux, Paris, France, assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application April 12, 1933, Serial No. 665,686
In France September 16, 1932
10 Claims. (Cl. 177—380)



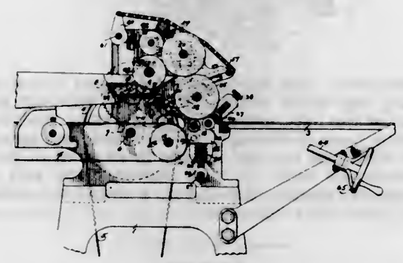
9. In a device for operating a call transmitter having a variably operable element, said device comprising a card having a perforation representing a digit, a support, means for securing said card against movement on said support, a pair of movable members, yieldable means operatively connecting said members, a camming mechanism for actuating said members, means cooperating with said card for controlling the operation of one of said members, means actuated by the continued movement of the other member for actuating the call transmitter operating element according to the relative movement between said members, and a plurality of operable means for controlling the operation of said camming mechanism.

2,044,471
TIME RECORDER
Laurence Ellsworth Dodd and William Wirick Harper, Los Angeles, Calif.
Application May 13, 1932, Serial No. 611,225
2 Claims. (Cl. 175—320)



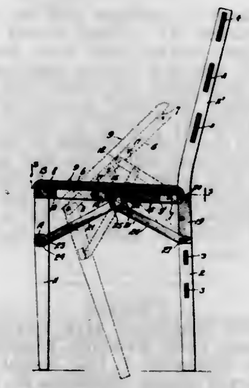
1. In an electrical system for controlling an instrument actuating circuit, a control circuit having a relay whose armature is adapted to be connected in an actuating circuit to respectively open and close same and said armature being biased to a closed position; a resistance in said control circuit for normally reducing current flow through the relay and thus maintain said normal biased position of said armature; a branch circuit in the control circuit having a switch normally open but manually operable to shunt current flow around said resistance and sufficiently to increase energization of the relay to cause it to move the armature from said normal biased position; a second branch circuit in the control circuit so controllable by said armature that when the relay is fully energized and the switch is open, said resistance will remain shunted to maintain the relay fully energized; and means for disrupting the control circuit at such point therein as to de-energize the relay.

2,044,472
GLUING MACHINE
Joseph Etti, Plainfield, N. J., assignor to Potdevin Machine Company, Brooklyn, N. Y., a corporation of New York
Application November 2, 1934, Serial No. 751,171
21 Claims. (Cl. 91—50)



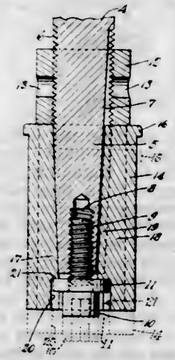
11. In a machine of the class described the combination of a gluing roller, feed rollers for forwarding material between said feed rollers and gluing roller, means for driving one of said feed rollers at one peripheral speed and the other of said feed rollers at a higher peripheral speed than the other.

2,044,473
FOLDING CHAIR
Roscoe G. Geller, Owego, N. Y., assignor to Stakmore Co., Inc., New York, N. Y., a corporation of New York
Application July 16, 1932, Serial No. 622,885
9 Claims. (Cl. 155—141)



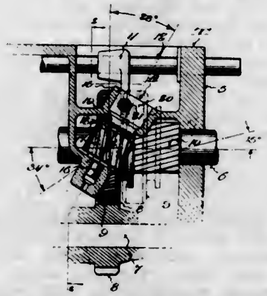
3. In a folding chair, a rear frame, a seat having legs pivoted to the front thereof, and folding means providing for vertical upward movement of the rear end of the seat with respect to the front end of the seat, said means comprising links interconnecting said rear frame, said seat, and said legs, said links providing means for locking said seat and legs in folded position with respect to said rear frame.

2,044,474
LAP
Richard Groetchen, Chicago, Ill.
Application February 27, 1935, Serial No. 8,420
2 Claims. (Cl. 51—184.3)



1. In a lapping device, a driving member constituting a mandrel shaft, said member being tapered at one end, and a mandrel head positioned upon said tapered shaft, an adjustable stop on the shaft and means comprising a screw and a laterally extending washer associated therewith, for drawing the mandrel head along the tapered portion and for holding it in contact with said adjustable stop, said mandrel head being split, and hollowed to receive said screw and washer.

2,044,475
VEHICLE REVERSE BRAKE MECHANISM
Wallace W. Kelly, Racine, Wis.
Application October 29, 1934, Serial No. 750,550
6 Claims. (Cl. 192—4)



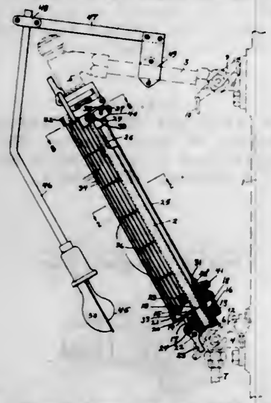
1. The combination with a transmission, including a low forward speed gear, a sliding gear, and means for moving the sliding gear into and out of meshing engagement with the low forward gear, of an automatic device for preventing a vehicle rolling back down a hill comprising, a safety gear located adjacent to the low forward gear and in the path of the sliding gear for meshing engagement therewith when the sliding gear is in engagement with the low forward gear, means slidably and rotatably supporting the safety gear, and clutch faces carried respectively by the safety gear and the transmission.

2,044,476
APPARATUS FOR MAKING BAGS
John Koenig, Philadelphia, Pa., assignor to Benjamin C. Betner Company, Devon, Pa., a corporation of Pennsylvania
Application April 27, 1934, Serial No. 722,630
12 Claims. (Cl. 93—27)



1. Bag folding mechanism comprising a rotatable drum conveyor structure for a bag to be folded, structure for engaging the surface of a bag to be attached to a flap adjacent the line of fold therebetween and for pressing the bag against the conveyor drum, said engaging structure being mounted external to said drum conveyor structure and movable independently thereof, a member for engaging and folding the flap along said line of fold against said surface and for pressing the fold against the conveyor drum, and means for withdrawing said engaging structure during, and prior to completion of, the folding operation of said member.

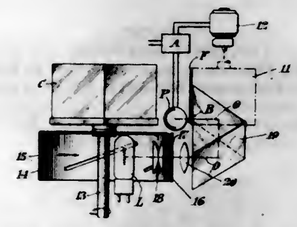
2,044,477
WATER GAUGE
Clarence H. Lank, Brooklyn, N. Y.
Application July 28, 1932, Serial No. 625,234
2 Claims. (Cl. 73—54)



1. In a liquid level gauge, the combination with a gauge-glass, of fittings therefor at each end, a reflector extending along the glass, a guard for said glass extending along the same and a common mounting for said reflector and guard clamped to said fitting, said guard having a spring cushion between it and said mounting.

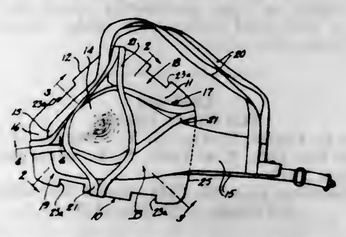
2,044,478
MOTION PICTURE FILM FEEDING DEVICE
Jacob F. Leventhal, New York, N. Y., assignor to Leventhal Patents, Inc., New York, N. Y., a corporation of Delaware
Application January 18, 1935, Serial No. 2,322
12 Claims. (Cl. 88—16.8)

1. In motion picture apparatus of the type having a rotatable picture cycle shaft, a circular shield axially mounted on said shaft and carrying peripherally disposed spiral light transmitting slots proportional in number to the number of picture cycles per revolution of the shaft, the rate of rise of each spiral slot being directly proportional to the rate of rotation of the shaft, an objective lens and light deflecting means asso-



ciated with said shield for imaging at a desired plane the spiral slots as they pass through the field of the lens, means for illuminating the slots during passage through the lens field, and means for confining the slot images to an area of predetermined width in said desired plane and of a length equal to the rise of a spiral slot times the image magnification.

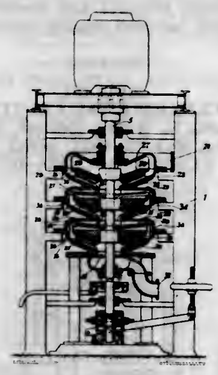
2,044,479
DEVICE FOR RESHAPING BRASSIÈRES
Aleda L. Livingston, Los Angeles, Calif.
Application September 5, 1934, Serial No. 742,735
3 Claims. (Cl. 223—53)



1. In a device to reshape and dry brassières, the combination of: a form having a bulging effective upper surface, said form being hollow on its under side and having openings to vent said under side when the form rests on a flat surface; elastic members associated with the form to releasably stretch a folded brassière thereon with the breast portions of the brassière folded against each other over the apex of the form, and with other portions of the brassière extending under the form; and means associated with the hollow part of the form to releasably retain said extended portions of the brassière under the form.

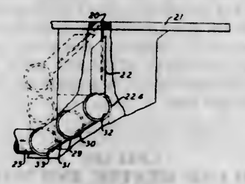
2,044,480
GRINDING MACHINE FOR PAPER PULP
Frank Lord, Radcliffe, England
Application September 7, 1935, Serial No. 39,509
In Great Britain November 29, 1934
2 Claims. (Cl. 92—26)

1. In a paper pulp grinding machine having superposed rotary grinding discs provided in a stationary casing, disc-like walls which together with the guide vanes provided on the stationary casing form inwardly extending passages for the pulp the said disc-like walls cooperating with outwardly acting propeller vanes provided on the upper sides of the rotary discs to prevent entrance



of the pulp to and lodgment of pulp on the upper surfaces of the rotary discs.

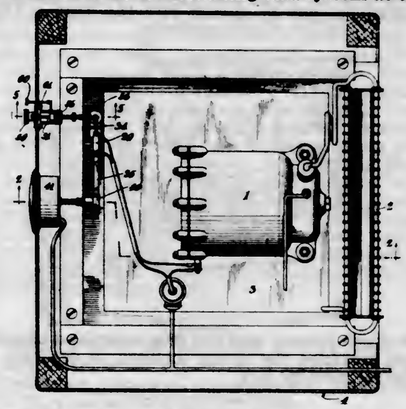
2,044,481
MATERIAL WORKING MACHINE
Lloyd M. Manley, Forest Hills, and Rollin H. McCarthy, Manhasset, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application December 8, 1934, Serial No. 756,588
2 Claims. (Cl. 144—252)



2. In a machine having a swingingly displaceable tool movable in an arcuate path, refuse removing means comprising an exhaust casing associated with and moving in an arcuate path with the tool, a fixed suction member, a duct member pivotally secured to the fixed suction member, and a duct member pivotally interconnected therewith and pivotally secured to the casing and movable at one end in an arcuate path with the casing.

2,044,482
REFRIGERATION APPARATUS
Glenn Muffly, Scarsdale, N. Y.
Application November 5, 1932, Serial No. 641,352
30 Claims. (Cl. 62—4)

1. In a refrigerating system, an evaporator having associated therewith a quantity of eutectic solution, thermostatic means controlling the starting and stopping of said system at maximum and minimum temperatures falling respectively above and below the freezing point of said solution, time controlled means for stopping said system, and means acting under the combined influence of said thermostatic means and said time controlled means for restarting said system at the



end of the idle period initiated by said time controlled means.

2,044,483
PULL ROD JACK
Charles Neher, Berwyn, Ill., assignor to Templeton, Kenly & Co. Limited, Chicago, Ill., a corporation of Illinois
Application February 7, 1936, Serial No. 62,793
14 Claims. (Cl. 254—71)

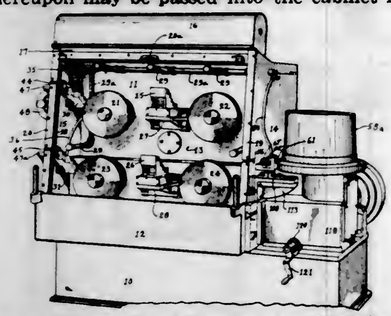


1. A pull rod jack embodying therein, means adapted to be detachably secured to one section of a pull rod, a pull transmitting member secured to said means, a jack housing, means for securing the housing to the other section of the pull rod, a member mounted in the housing for longitudinal movement, coacting means on the housing and last mentioned member for producing movement of the latter, when under load, longitudinally with respect to said other rod section, means on said member mounted in the housing adapted for a pulling engagement with said pull transmitting member, and means fixed with respect to said other section of the pull rod adapted for engagement by the pull transmitting member for holding the latter under tension when moving said member in the housing toward the first mentioned rod section.

2,044,484
HIGH SPEED WIRE DRAWING MACHINE
William D. Pierson and George W. Jackman, Waterbury, Conn., assignors to The Waterbury Farrel Foundry & Machine Company, Waterbury, Conn., a corporation of Connecticut
Application February 3, 1934, Serial No. 709,646
19 Claims. (Cl. 205—13)

1. In a wiredrawing machine, a cabinet comprising a rear wall, a side wire entrance wall, a side wire exit wall, a multi-socket selective stepped die box attached to said entrance wall, a pair of stepped wiredrawing cones journaled in said rear wall, a multiple die holder located between said cones, said entrance and exit walls having slots

formed in the front edges thereof, whereby the wire to be drawn having a plurality of dies strung thereupon may be passed into the cabinet from



the front thereof and the dies assembled therein, said entrance slot being inclined to conform to said stepped die box.

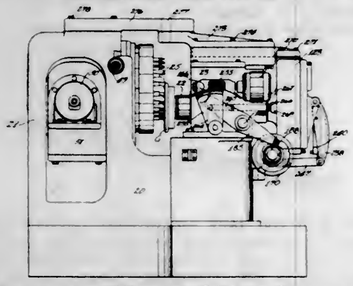
2,044,485

MACHINE FOR PRODUCING GEARS

Albert P. Schauseil and James E. Gleason, Rochester, N. Y., assignors to Gleason Works, Rochester, N. Y., a corporation of New York

Application May 26, 1934, Serial No. 727,771

13 Claims. (Cl. 90—4)



2. In a gear-cutting machine, a frame, a cutter spindle journaled in the frame, a face-mill gear cutter secured to said spindle and having cutting blades extending part-way around its periphery only with an appreciable gap between the last and the first blades, a work-head adjustably mounted on the frame, a work-spindle journaled in the work-head, means for rotating the cutter spindle continuously, means for holding the work spindle against rotation while blades of the cutter are passing through the blank, and means operable once for each revolution of the cutter to release said holding means and index the work spindle when the gap in the cutter is abreast of the blank.

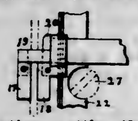
2,044,486

CLEANING ATTACHMENT FOR INTEGRAL LINE-CASTING TYPE MACHINES

Charles A. Spickler, Yardley, Pa.

Application March 23, 1935, Serial No. 12,677

11 Claims. (Cl. 199—62)



1. In combination with the slug-trimming knives of an integral line casting type machine having an assembly elevator, wiping means movable lengthwise of the knives and located in position to remove from the knives material adhering thereto, a bracket detachably secured to the assembly elevator and movable therewith and a support for said wiping means carried by said bracket.

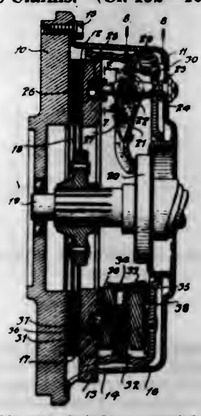
2,044,487

CENTRIFUGAL CLUTCH

Ernest E. Wemp, Detroit, Mich.

Application May 25, 1933, Serial No. 672,793

8 Claims. (Cl. 192—105)



1. A centrifugal clutch comprising in combination, driving and driven members, one of the driving members being axially shiftable for engaging and releasing the clutch, centrifugal weights for shifting said driving member, packing springs for providing the clutch packing pressure and levers for operating the shiftable driving member, said weights, packing springs, and levers being circularly arranged with the springs arranged alternately in a group of two springs and a single spring.

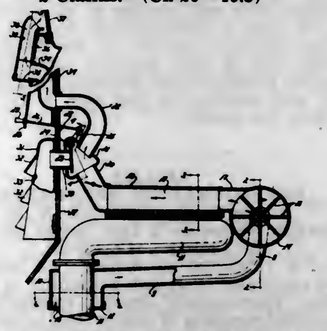
2,044,488

COMBINED CAR HEATER AND WINDSHIELD CLEANER

Charles M. Wendt, Flint, and John Chisholm, Grand Blanc, Mich.

Application November 8, 1934, Serial No. 752,048

2 Claims. (Cl. 20—40.5)



1. In a device of the class described, a housing; a pair of conduits communicating with said housing and terminating at said housing; a flap valve movable into position for closing the end of either

of said conduits; means for moving said flap valve to either of said positions; a distributing housing mounted on the other end of said conduits; louvres punched from said distributing conduits and inclined downwardly so as to direct fluid issuing therefrom in a downward direction.

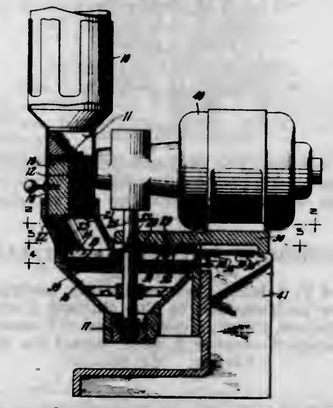
2,044,489

COMBINED ROASTING AND GRINDING MACHINE

Albert Karlsson-Ygger, New York, N. Y., assignor to Lydia B. Koch, New York, N. Y.

Refiled for abandoned application Serial No. 638,452, October 19, 1932. This application October 16, 1935, Serial No. 45,205

4 Claims. (Cl. 34—23)



1. A machine as characterized comprising a roasting plate having a discharge opening therethrough, and having a circular periphery provided with ratchet teeth, a vane overlying said plate and revolvable substantially in contact therewith, a pivoted arm above said vane, means for oscillating said arm, a pawl carried by said arm and associated with said ratchet teeth for actuating said vane with a step by step movement, and a pin connection between said arm and plate for vibrating said plate during the roasting operation.

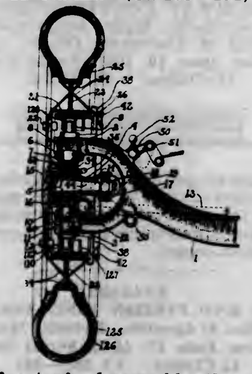
2,044,490

MOTOR VEHICLE BRAKE

David F. Zook, Evanston, Ill.

Application September 26, 1934, Serial No. 745,567

11 Claims. (Cl. 188—194)



1. In a front wheel assembly, the combination of a mounting member providing bearing means defining a substantially vertical steering axis, a wheel-mounting knuckle journaled on said bearing means, said knuckle having bearing means adapted to receive and rotatably support a wheel-hub structure with its rotative axis substantially at right angles to said steering axis, a wheel structure on said hub structure having a brake drum extending axially on both sides of said steering axis, an expansible brake-shoe structure positioned within said drum, means pivoting said brake shoe structure directly to said first mentioned mounting member on said steering axis and arranged to anchor said brake shoe structure independently of said knuckle against rotative movement with the drum, and means acting between the knuckle and said brake shoe structure to pivot said brake shoe structure with the knuckle and brake drum.

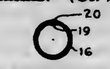
2,044,491

MANUFACTURE OF PIPE OR TUBING

James L. Anderson, Closter, N. J., assignor to Air Reduction Company, Incorporated, New York, N. Y., a corporation of New York

Application October 10, 1933, Serial No. 692,970

11 Claims. (Cl. 29—156)



1. The method of making welded tubing of high physical properties which comprises forming a hollow billet by fusion welding open-seam stock for the full depth of the seam edges to form a butt-weld with an internal bead along the line of the weld, reheating the hollow welded billet to raise the temperature of the entire body of said hollow billet, and while hot, passing it over a plug and between rolls so as to eliminate the internal bead and work the metal of the weld, and thereafter producing a tube of high physical properties and accurate dimensions by cold drawing the rolled billet.

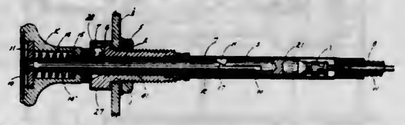
2,044,492

CONTROL ASSEMBLY

John D. Baldwin, Jr., Cleveland, Ohio, assignor, by mesne assignments, to The Weatherhead Company, Cleveland, Ohio, a corporation of Ohio

Application January 2, 1932, Serial No. 584,362

9 Claims. (Cl. 74—503)



1. A control assembly comprising, in combination, an escutcheon tube adapted to be supported on the dash panel of an automotive vehicle, a control rod mounted in said escutcheon tube and being reciprocable with relation thereto, said control rod comprising a shaft having a reduced end portion, and a sleeve encompassing said shaft and having an opening therein overlying said reduced end portion, a control knob, means for operatively connecting said shaft and said sleeve to said knob, a tumbler adapted to co-operate with said opening in said sleeve and being adapted to rest below center therein and upon the reduced end portion of said shaft and means associated with said shaft for ejecting said tumbler from the opening in said sleeve, said sleeve and said shaft being capable of limited relative longitudinal movement when said tumbler co-operates with said opening.

2,044,493
AUTO PAINT REFINISH
Walter Becker, Jr., Racine, Wis.
No Drawing. Application November 16, 1934, Serial No. 753,332
3 Claims. (Cl. 134—26)

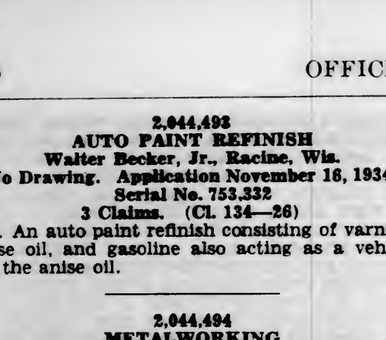
1. An auto paint refinish consisting of varnish, anise oil, and gasoline also acting as a vehicle for the anise oil.

2,044,494
METALWORKING
Edward C. Bullard, Fairfield, Conn., assignor to The Bullard Company, a corporation of Connecticut
Application January 31, 1935, Serial No. 4,207
41 Claims. (Cl. 82—1)



1. A method of working metal which includes the steps of subjecting a rotating work piece to the successive actions of a plurality of stepped roughing blades and a plurality of unstepped finishing blades by a single continuous movement of a tool.

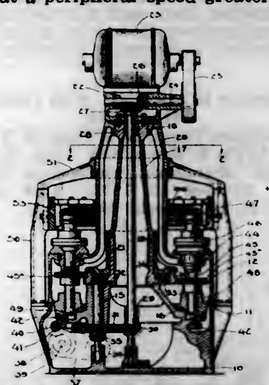
2,044,495
METAL WORKING APPARATUS
Edward C. Bullard, Fairfield, Conn., assignor to The Bullard Company, a corporation of Connecticut
Application January 31, 1935, Serial No. 4,208
16 Claims. (Cl. 82—7)



1. An apparatus for working metal which includes means for rotating a piece of work, a tool block, means for moving the tool block transversely of the axis of rotation of the work, and a plurality of blades carried in said tool block and disposed at a major angle with respect to the axis of rotation of said work.

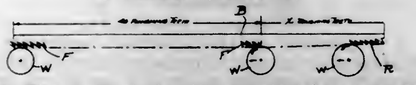
2,044,496
STATIONARY TOOL METAL WORKING APPARATUS
Edward C. Bullard, Southport, Conn., assignor to The Bullard Company, a corporation of Connecticut
Application August 11, 1931, Serial No. 556,387
20 Claims. (Cl. 29—38)

1. In a machine tool a plurality of work spindles, a table for moving the spindles in an orbital path, means for rotating the table, means for rotating the spindles on their own axes to carry the work at a peripheral speed greater than the



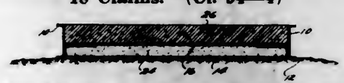
orbital movement of said spindles, and a plurality of radially stepped cutting blades arranged in the path of the work carried by the spindles.

2,044,497
METHOD OF MACHINING METALLIC WORKPIECES
Bernard P. Schiltz, Cleveland, Ohio, assignor, by mesne assignments, to The Bullard Company, Bridgeport, Conn., a corporation of Connecticut
Application November 9, 1932, Serial No. 641,852
5 Claims. (Cl. 82—1)



1. The method of cutting material to a predetermined circumferential shape and size by use of a series of cutting tools, comprising rotating the workpiece body a predetermined number of revolutions per minute and simultaneously moving the axis of rotation of the body at a predetermined rate of speed relative to the cutting tools, while maintaining the tools spaced apart at predetermined distances from each other to thereby effect a series of angularly displaced overlapping non-circular surface cuts, the curvatures of which are convex to the axis of a cylinder.

2,044,498
HIGHWAY CONSTRUCTION
Leo J. Pearce, Olathe, Kans., assignor of one-half to Lloyd M. Chambers, Olathe, Kans.
Application June 10, 1935, Serial No. 25,843
18 Claims. (Cl. 94—4)

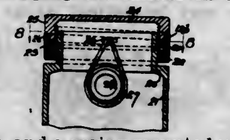


1. A highway construction comprising a subgrade; a pillow-course of shiftable material and of uniform thickness overlying the subgrade; and a rigid cementitious superstructure resting upon the said pillow-course.

2,044,499
PISTON AND PISTON RING ASSEMBLY
Julius D'Agostino, Detroit, Mich.
Application June 17, 1935, Serial No. 27,007
12 Claims. (Cl. 309—30)

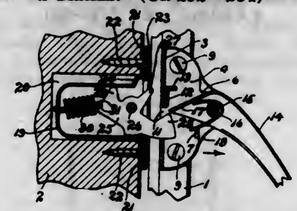
1. A piston and ring assembly comprising a piston having a helical peripheral groove formed

therearound, transverse walls bounding the extremities of said helical groove, and the base of the groove being slotted, a helical piston ring having overlapping extremities in contact with



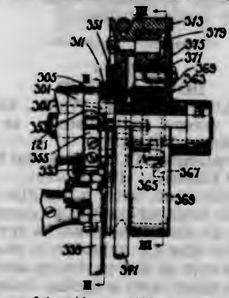
one another, and a spring mounted upon the piston, one extremity of the spring extending through said slot and engaging the ring to urge one extremity of the latter into contact with one of said transverse walls.

2,044,500
REFRIGERATOR LATCH
Carl Geske and Clyde E. Yost, Grand Rapids, Mich., assignors to Winters & Crampton Corporation, Grandville, Mich., a corporation of Michigan
Application June 17, 1935, Serial No. 26,898
2 Claims. (Cl. 292—254)



2. In a combination of the class described, a well-like casing having a shoulder near its opening, a latching bolt pivoted near the top of said casing, said latching bolt having an actuating head extending outwardly through the opening of said casing, spring acting toggle means located between the latching bolt and the casing and a finger rigid with said latching bolt, said finger seating against the shoulder when the latching bolt is moved to one position and extending through the opening of the casing when the latching bolt is moved to another position.

2,044,501
STARTING AND STOPPING MECHANISM
Perley R. Glass, Salem, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Original application August 10, 1933, Serial No. 684,542. Divided and this application May 31, 1934, Serial No. 728,237
13 Claims. (Cl. 192—147)

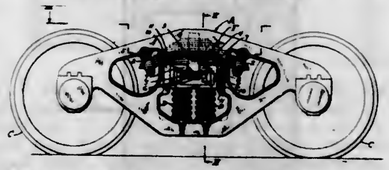


1. The combination with a rotary shaft of a driver therefor, means for applying power to said driver to rotate it at a given rate, means for stopping the shaft always in the same angular position, and a member movable parallel to the shaft for holding the stop means inoperative, after power has been withdrawn from the driver, until the shaft has slowed down to a predetermined rate of rotation.

2,044,502
PROCESS FOR THE PURIFICATION OF PYRETHRIN CONCENTRATES
Herbert L. J. Haller, Washington, D. C., and Frederick B. La Forge, Clarendon, Va., assignors to Henry A. Wallace, Secretary of Agriculture of the United States of America
No Drawing. Application February 18, 1936, Serial No. 64,516
4 Claims. (Cl. 167—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

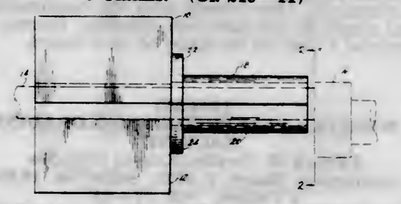
1. The process of removing fatty acids from a pyrethrin concentrate which comprises dissolving the pyrethrin concentrate in aniline, treating the aniline solution with an aqueous alkali solution, removing the aqueous alkaline solution and separating the aniline from the pyrethrins by means of a mineral acid.

2,044,503
SPRING SYSTEM FOR RAILWAY CAR TRUCKS
William R. Hewitt, New York, N. Y.
Application July 19, 1932, Serial No. 623,359
11 Claims. (Cl. 105—197)



1. The combination with a frame of a car truck and a bolster vertically movable therein, of a leaf spring in the frame, a hanger carried by the leaf spring, a connection between the hanger and the bolster whereby weight applied to the bolster is imposed on the leaf spring, and a helical spring interposed between the under side of the bolster and the frame and cooperating with the leaf spring to support any load applied to the bolster.

2,044,504
MUFFLE DEVICE
Frank P. Kobert, deceased, late of Cleveland Heights, Ohio, by Kathryn Kobert, administratrix, Cleveland Heights, Ohio
Application August 14, 1933, Serial No. 685,068
7 Claims. (Cl. 219—11)



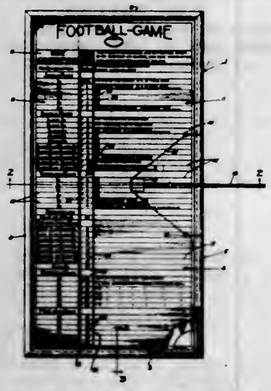
1. In a muffle device adapted for use on an electric blank heating machine having a pair of

relatively movable electrodes adapted to grip a portion of the blank to be heated, the muffle device comprising a plurality of portions associated with said movable electrodes and movable therewith, the muffle portions projecting from said electrodes and being adapted to substantially enclose a portion of a blank gripped by said electrodes to substantially prevent the circulation of air adjacent the surface of such portion of the blank.

2,044,505
THERMOPLASTIC COMPOSITION
William Koch, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application August 8, 1932, Serial No. 627,990
8 Claims. (Cl. 106—23)

1. A thermoplastic composition including chlorinated rubber in amount within about the range 33%–50% by weight and chlorinated diphenyl in amount within about the range 50%–67% by weight.

2,044,506
FOOTBALL GAME
Walter H. Lundquist, Minneapolis, Minn.
Application November 17, 1933, Serial No. 698,417
Renewed November 11, 1935
2 Claims. (Cl. 273—94)



1. In a game apparatus wherein a board is marked off to simulate a playing field and markers are movable thereon in accordance with plays of the game, and wherein a chance device is used to determine the various plays, a chart for use therewith having a column of chance combinations, a column of plays aligned transversely with said chance combinations and an elongated window, and a member movable with respect to said window, said member being movable to expose a column of plays through said window which are in alignment transversely with the combinations and plays in the first two columns, thereby to indicate a play to be made on said board.

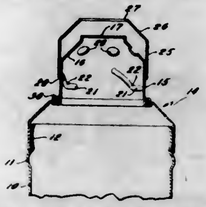
2,044,507
WHEELED PULVERIZING AND GRADING MACHINE
Edward M. Nowlin, Kansas City, Mo.
Application March 9, 1935, Serial No. 10,233
5 Claims. (Cl. 97—40)

1. A pulverizing and grading machine comprising a frame having carrying wheels; a hitch frame pivoted to said frame and adapted to be secured at its forward end to the draw bar of a power vehicle; means interconnecting said frame and hitch frame whereby the angle between them may be varied; gangs of ground



working tools carried by said frame at the rear of the axis of said wheels; means interconnecting said wheels and certain of said tools whereby said tools are rotated; and means for independently adjusting the vertical position of said gangs of tools.

2,044,508
CONTAINER CLOSURE
Winfred T. Parkin, Providence, R. I., assignor to Theodore W. Foster and Bro. Company, Providence, R. I., a corporation of Maine
Application January 2, 1935, Serial No. 140
2 Claims. (Cl. 221—62)

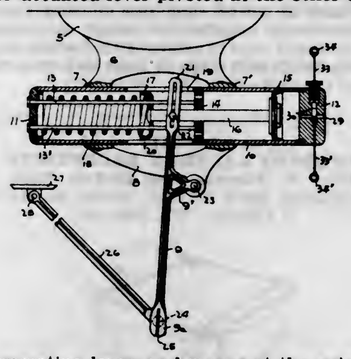


1. A container closure consisting of a pair of telescopically disposed, snug fitting, similarly shaped shells relatively movable from a closely nested position to an extended position, each shell having a cylindrical body portion and an inclined wall defining a frusto-conical shaped end portion, the outer shell having a central opening across the top of its inclined wall, and the inner shell having a plurality of spaced apertures in its inclined wall and an imperforate top wall adapted to fit within said opening in the outer shell when the shells are nested together, the body portion of one of said shells having an inclined groove, a horizontally extending groove communicating with said inclined groove and a nib at the junction of the grooves, and the body portion of the other shell having a protuberance engageable with said grooves and operative to effect a relative axial movement of said shells in response to relative rotation, said nib being operative to engage said protuberance and hold said shells against accidental relative movement when in closely nested position.

2,044,509
DOOR CLOSER
Lester C. Perkins, Spokane, Wash., assignor, by direct and mesne assignments, to David J. Bissell, Spokane, Wash.
Application September 17, 1934, Serial No. 744,378
2 Claims. (Cl. 16—70)

1. The combination with a rigidly supported, slotted, tubular housing having a transverse partition forming an air cylinder and a spring chamber, a piston in the air cylinder, a stem for the piston reciprocable in the partition and having a cup in the chamber, and a spring interposed between said cup and an end wall of the chamber, of an operating lever having a pivot exterior of

the housing and pivoted at one end to the stem, a door-actuated lever pivoted at the other end of



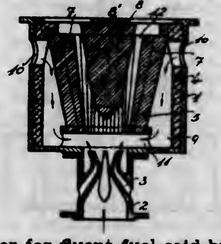
said operating lever, and means at the outer end of the air cylinder for venting the same.

2,044,510
SETTING JEWELS
Alfred F. Reilly, North Attleboro, Mass., assignor to Evans Case Company, North Attleboro, Mass., a corporation of Massachusetts
Application March 24, 1936, Serial No. 70,686
5 Claims. (Cl. 63—26)



2. A setting for a jewel having upwardly inwardly inclined sides and ends, comprising side walls formed to engage and substantially fit the sides of the jewel, and each side wall having one end turned in to engage one end of the jewel, and each side wall having the other end adapted to be turned in to engage the other end of the jewel.

2,044,511
BURNER
Eugen Ryschkewitsch, Frankfort-on-the-Main, Germany
Application February 9, 1931, Serial No. 514,596
In Germany February 15, 1930
14 Claims. (Cl. 158—99)



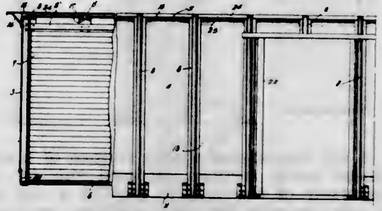
9. A burner for fluent fuel said burner having a combustion chamber provided with a refractory mantle and elongated relatively thin bodies of fire resistant material of high electron emitting power alined with the direction of fuel flow, said bodies dividing the combustion chamber into relatively straight long narrow unobstructed channels extending in the direction of flow of the fuel, said channels having relatively large catalytic wall surface as compared with the cubical contents of the chamber, substantially as set forth.

2,044,512
ELECTRICAL PROTECTIVE SYSTEM
Leland Kasson Swart, Mountain Lakes, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application August 23, 1933, Serial No. 686,466
9 Claims. (Cl. 179—78)



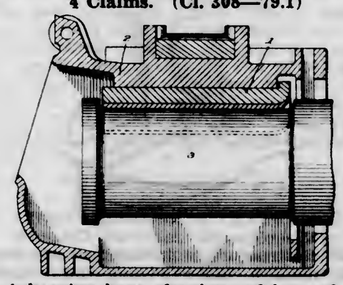
1. Protective apparatus for a circuit transmitting signals and exposed to extraneous inductive effects comprising an element of thyrite and an alternating current relay, the winding of which is connected in series with said element between said circuit and ground so that all current traversing said thyrite element will traverse the relay winding, the armature and contact of said relay shunting said element.

2,044,513
CAR BODY CONSTRUCTION
John J. Tatum, Baltimore, Md.
Application August 9, 1934, Serial No. 739,153
21 Claims. (Cl. 105—409)



1. A car body comprising transversely divided body members each of arched formation and consisting of sheet metal sections forming opposed side sheets and complemental portions of a roof sheet, the roof sheet portions having upwardly projecting flanged abutting edges, a ridge piece embracing and closing the joint between said flanged edges, and unitary arched frame members of flanged ∩-shaped cross-section adapted to be fastened to the car underframe and having their channels arranged between and their flanges fastened to the adjacent edges of the body sections.

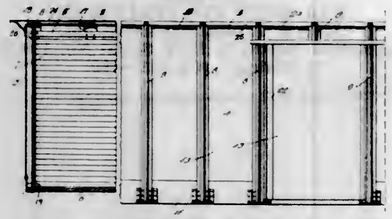
2,044,514
JOURNAL BOX BEARING
John J. Tatum, Baltimore, Md.
Application July 5, 1935, Serial No. 29,973
4 Claims. (Cl. 308—79.1)



1. A bearing brass for journal boxes having a bearing face provided with longitudinally extend-

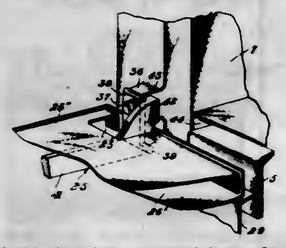
ing retaining grooves of substantially frusto-triangular cross-sectional form located in said face equidistantly between the center and sides of the bearing face extending from end to end of the bearing, and a liner of bearing metal covering the bearing face and having longitudinally extending offset portions of substantially frusto-triangular cross-sectional shape forming on its inner face retaining ribs engaging said retaining grooves in the bearing brass and on its outer face counterpart oil and waste trap grooves flaring in the direction of the journal and extending from end to end of the liner to supply oil to the longitudinal surfaces of the journal and liner and to the transverse surfaces of the collar and shoulder of the journal.

2,044,515
CAR BODY CONSTRUCTION
John J. Tatum, Baltimore, Md.
Original application August 9, 1934, Serial No. 739,153. Divided and this application August 13, 1935, Serial No. 36,006
17 Claims. (Cl. 105—409)



1. A car comprising a body formed of a series of sheet metal sections disposed side by side transversely of the body to provide a roof portion and opposite side wall portions continuous from side sill to side sill of the body, and arched channeled frame members of substantially U-shaped cross section extending continuously from the sill of one side of the body to the sill of the opposite side of the body and across the roof between adjacent sheet metal sections and uniting said sections to each other.

2,044,516
RANGE CONSTRUCTION
Jacob Teller, New Rochelle, N. Y., and Arthur P. Schulz, Rockford, Ill., assignors to Teller Stove Designing Corporation, New York, N. Y., a corporation of New York
Original application April 26, 1932, Serial No. 607,614. Divided and this application October 15, 1934, Serial No. 748,416
7 Claims. (Cl. 126—194)



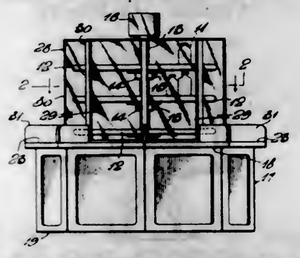
1. A stove structure comprising a body having a compartment, a frame defining an opening for said compartment, a bearing stud and a stop rigid with said frame at each side of said opening, a door for said opening comprising inner and outer plates, a bar secured to said door between said plates adjacent each side of said opening, said bars being notched to receive said bearing studs and said bars provided with flanges for engagement with said stops to limit swinging movement of the door.

2,044,517
UPRIGHT LAUNDRY RECEPTACLE
Olive M. Thomas, New Buffalo, Mich.
Application April 4, 1935, Serial No. 14,677
3 Claims. (Cl. 150—49)



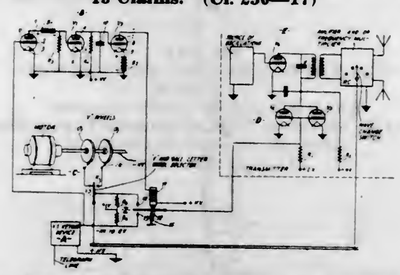
1. A device of the class described comprising a foldable upright frame including two pairs of legs pivotally connected together intermediate their ends, means for connecting the legs of each pair together, inwardly extending hooks at the upper ends of the frame, a fabric bag having openings at the upper portions of its corners, and straps extending across the openings and connected with the bag and detachably engaging the hooks.

2,044,518
MERCHANDISE DISPLAY AND ORDERING DEVICE
Charles Henry Thorstensen, Ogden, Utah, assignor to Rotary Patented Displays, Inc., Ogden, Utah, a corporation of Utah
Application November 5, 1935, Serial No. 48,409
2 Claims. (Cl. 312—135)



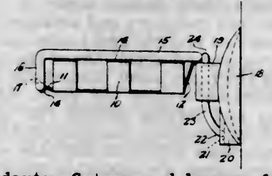
1. A merchandise display and ordering device comprising a rotatable rack upon which samples of the goods are displayed, a hollow base over the central portion of which said rack is mounted, said hollow base having a top projecting radially from said rack and constituting desks for use by the patrons in writing orders for the merchandise after inspecting the displayed samples, a transparent case carried by said base and enclosing said rack, and means housed within said hollow base for slowly rotating said rack.

2,044,519
AUTOMATIC IDLE TIME KEYING UNIT
George Lindley Usselman, Rocky Point, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Application February 17, 1934, Serial No. 711,764
15 Claims. (Cl. 250—17)



1. A signalling system comprising a transmitter of the thermionic type including a source of signals, keying means interposed between said source of signals and said transmitter, and means for sending out controlling signals of reduced length between messages, comprising, a control signal producing device, a relay, and thermionic means coupled to said source of signals on the one hand and to said relay on the other hand, said thermionic means being responsive to the presence or absence of signals in said source to disconnect said source from said transmitter between messages and to connect said control signal producing device to said transmitter.

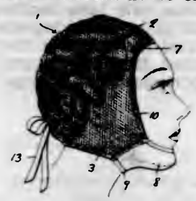
2,044,520
SOAP DISH
Warren S. Weiant, Jr., Newark, Ohio
Application January 17, 1935, Serial No. 2,297
3 Claims. (Cl. 248—206)



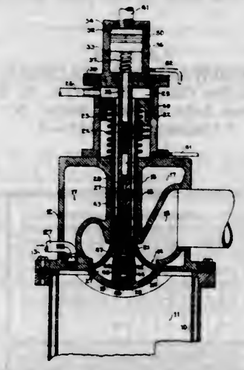
3. An adapter fixture and hanger for a soap dish or the like comprising a bracket structure including a pair of spaced parallel duplicate down bent end portions, the extremities of said end portions being bent laterally in corresponding directions to function as braces, and a pair of selectively usable independently adjustable suction cups, said suction cups being pivotally attached at their central portions on the intermediate portions of the down bent ends of said bracket structure, the laterally bent extremities being rockably engageable with the marginal portions of the cups, said cups being swingable in horizontal planes on vertical axes in the manner and for the purposes described.

2,044,521
COMBINATION CHIN STRAP AND HAIR CAP
Harry M. Weiland, Woodmere, and Jacob N. Furman, Brooklyn, N. Y.
Application April 20, 1936, Serial No. 75,470
7 Claims. (Cl. 132—49)

2. A device of the class described comprising in combination, a hair cap of open work fabric including a crown portion and side pieces for disposition against the sides of the face, the ends of the side pieces terminating adjacent the respective sides of the lower jaw, a chin strap of elastic material connected at its ends to the lower ends of the aforementioned side pieces, and means for securing the hair cap on the head and simultaneously tensioning the elastic chin strap.



2,044,522
INTERNAL COMBUSTION ENGINE
Allan R. Wurtele, New Roads, La.
Application August 23, 1933, Serial No. 686,345
20 Claims. (Cl. 123—32)



1. In apparatus of the class described, a cylinder head having a port and a valve guide therein, a valve for said port adapted to be reciprocated in said guide, said valve having an enlarged head portion and a hollow stem, a housing surrounding the upper end of said stem, a piston secured to said stem and engaging the inner walls of said housing, the space in the latter above said piston being in constant communication with the hollow center portion of said stem, means for supplying a liquid to said space, means for subjecting said liquid to pressure for actuating said valve, means tending to hold said valve on its seat, a stationary hollow spindle secured to said housing and extending into a guide in said valve head, a valve in said spindle adapted to open at a predetermined pressure, said spindle having a radial opening connecting the hollow center portions of said stem and spindle, a plunger extending into the upper end of said spindle, and fluid pressure means for actuating said plunger, whereby fluid in said spindle is forced by said last-named valve.

2,044,523
CORN OR BUNION PREVENTER
Urban J. Bertram, Milwaukee, Wis.
Application October 16, 1934, Serial No. 748,547
2 Claims. (Cl. 128—153)

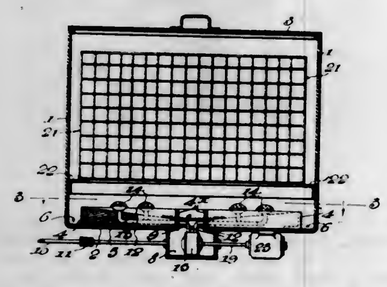
1. A device for preventing corns and protecting corns, comprising a substantially ring-shaped

member for encircling a toe in the rear of the part having the corn thereon or which is liable to have a corn thereon, said member being formed of a relatively short section and a relatively long section, the long section being composed of two strips, each having one face coated with adhesive and the opposite face free of adhesive, the coated faces being pressed together with the end portions of the strips free of each



other, the short section being of sponge-like material of greater thickness than the other section and having its ends compressed and located between the ends of the strips, the adhesive-coated parts of which connect the said ends of the short section with the ends of the long section.

2,044,524
DISHWASHING MACHINE
Charles Caise, Brooklyn, N. Y.
Application July 8, 1935, Serial No. 30,397
8 Claims. (Cl. 141—9)



1. In a dish-washing machine, a casing having a bottom, a basin on the bottom spaced from the sides of the casing to constitute therewith a drainage channel or trough surrounding the basin, an outlet for said trough, a sump into which a portion of the fluid contents of said basin are delivered, a hot water supply pipe connected to said sump, a pump in said sump, spray nozzles within said casing for spraying water upwardly, delivery pipes from said pump to said nozzles, and a basket for dishes located in said casing above said nozzles and said basin.

2,044,525
IMPLEMENT
Edward Douglas Wainwright Clark, Sheffield, England
Application October 11, 1933, Serial No. 693,207
In Great Britain November 1, 1932
2 Claims. (Cl. 30—9)

1. A table knife made from a flat blank and comprising a blade and an integral coplanar tang separated by a corrugated portion twisted through an angle of 180°, which provides between the blade and the tang a corrugated web transverse to the plane of the blade and tang and extend-



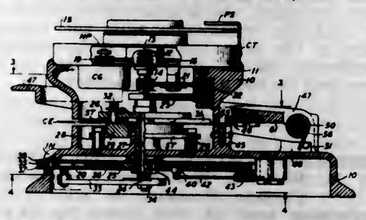
ing laterally beyond both sides of the blade and tang.

2,044,526
ROD LINE IDLER
David Erickson, Wichita Falls, Tex.
Application July 2, 1935, Serial No. 29,549
1 Claim. (Cl. 308—6)



A rod line and guide comprising a forked head having substantially square boxes at the upper ends of the fork members and arranged with the diagonal axes in vertical and horizontal position, and the inner and an upper side of the boxes open and having the inner lower corners cut away, and having raised seats upon the inner faces of the lower sides and having hollow ribs connecting with the cut away corner portions, and having tapering projections adjacent the base of the fork to wedgingly engage the support to which the head is fitted.

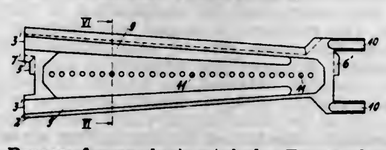
2,044,527
CUTTING TOOL
Irving Walter Green, Cranford, N. J., assignor to American Telephone and Telegraph Company, a corporation of New York
Application June 8, 1935, Serial No. 25,689
8 Claims. (Cl. 164—50)



1. A tool for cutting portions at the periphery of a disc member to form a code designation, said tool comprising a pair of clamping plates for receiving the disc, a number plate, a manually

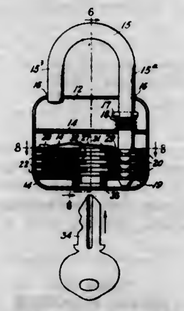
operable member having means registering with said number plate for actuating one of said clamping plates in a plurality of variable steps for moving said disc, and means for cutting a portion at the periphery of the disc in places determined by the extent of each of said steps as indicated by said number plate.

2,044,528
PROCESS FOR PRODUCING BUNSEN BURNERS
Hermann Guhl, Baden, Germany
Application December 6, 1933, Serial No. 701,227
In Germany January 26, 1933
6 Claims. (Cl. 113—116)



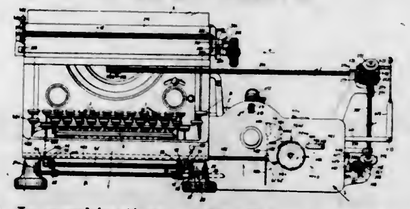
1. Process for producing tubular Bunsen burners for cooking ovens comprising stamping from sheet metal a single blank of elongated shape generally tapering from one end toward the other, said blank being generally symmetrical about a longitudinal center line and having a pair of longitudinal extensions at one end spaced apart symmetrically with respect to the center line, said blank also having flaps along one longitudinal edge and along both ends on one side of the center line, the flap at the end having extensions terminating within the adjacent extension, perforating said blank with a series of perforations extending along the center line, folding the blank about the center line and bringing the edges together, and folding the flaps about the corresponding adjacent edges along the length and ends of the burner.

2,044,529
PADLOCK
Edward W. Hite, Lancaster, Pa., assignor to The Slaymaker Lock Company, Lancaster, Pa., a corporation of Pennsylvania
Application January 10, 1936, Serial No. 58,580
12 Claims. (Cl. 70—107)



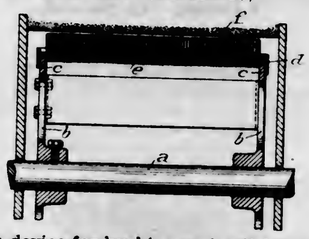
1. In a lock, a casing, a slide shackle, tumblers engageable with a part of the shackle and movable to release position by the insertion of a key bearing upon the same, guide means for the tumblers, said guide means and tumblers having means providing a passage for the key, and latch means operable by the key retaining one of the tumblers in engaging position until the key has been inserted substantially full-way into said passage.

2,044,530
CODE WRITING MACHINE
Hugo Kämmel, Zella-Mehlis, Germany, assignor to Mercedes Büromaschinen-Werke Aktiengesellschaft, Thuringia, Postamt Zella-Mehlis, Germany, Herbert Hinrichs, Hamburg, Germany, and Paul Peroti, London, England
Application January 30, 1931, Serial No. 512,433
In Germany February 1, 1930
42 Claims. (Cl. 197—4)



1. In combination, a plurality of keys, printing mechanism controlled by said keys, means for carrying control characters, means for carrying algebraic signs having apertures thereon for disclosing control characters, means acting on the operation of said keys for moving said character carrying member and said sign carrying member together with means coacting with said sign carrying member for controlling the direction of said character carrying member.

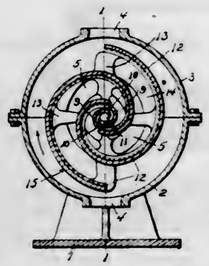
2,044,531
DEVICE FOR HULLING AND POLISHING CEREALS AND PODDED GRAINS
Leopold Kaspar, Sr., Olmutz, Czechoslovakia, and Nikolaus Kistner, Offenbach, Germany, assignors to the firm Kaspar Getreidschalmaschine G. m. b. H., Offenbach, Germany
Application August 10, 1932, Serial No. 628,232
In Czechoslovakia August 12, 1931
6 Claims. (Cl. 83—30)



1. In a device for husking and polishing cereals and podded grains, in combination, a horizontal cylinder having an interior treatment surface for the grains, a drum rotatable relative to said treatment surface, traverses carried circumferentially of said drum in parallel relation with the axis thereof, a plurality of narrow flattened beater elements for cooperation with said treatment surface mounted side by side on each traverse and adapted to revolve freely about said traverses, shanks of different lengths provided for alternate beater elements at any desired point of the length of said traverses, the shorter shanks forming interruption between the longer shanks for the reduction of lumps of grain, some of said flattened beater elements having their planes extending substantially parallel to the traverses, the working portions of the beater elements arranged on one and the same traverse forming collectively a yieldable row in which each element serves to work independent grains and some of said elements having their flattened faces

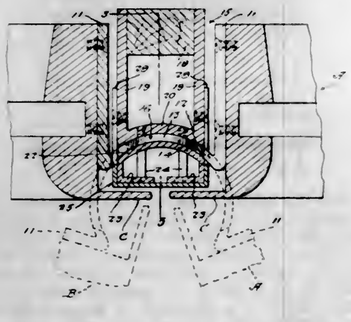
disposed so as to impart to said grains a feed impulse axially of said cylinder independently of the other elements.

2,044,532
TURBINE
William Philip Kessel, San Francisco, Calif.
Application September 20, 1934, Serial No. 744,847
13 Claims. (Cl. 253—79)



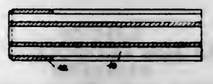
1. In a turbine, a casing, a shaft passing through said casing and having a fluid duct and a discharge nozzle arranged to discharge approximately tangentially to the shaft, a rotor on said shaft within said casing and having a spiral blade, said nozzle discharging against the inner extremity of said blade, said casing having an exhaust opening at its periphery.

2,044,533
VEHICLE DOOR HINGE AND MOUNTING THEREFOR
James Kiely, Amesbury, Mass.
Application June 10, 1935, Serial No. 25,917
6 Claims. (Cl. 296—44)



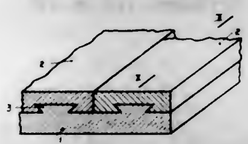
1. In a door and hinge construction of the class described, a vertically disposed hinge post including a relatively stationary unit having a concaved portion, a separable clamping unit cooperable therewith and including a convex portion disposed in spaced parallelism to said concave portion to define a guideway of transversely curved form, a pair of companion hinge brackets, said brackets having hinge elements shaped for workable operation in said guideway, said hinge elements being disposed in superposed edge to edge relationship, and transverse curved cleats mounted in the guideway for cooperation with the hinge elements.

2,044,534
LOCKING DEVICE
Ferdinand Josef Lejbowicz, Krolewska Huta, Poland
Application April 4, 1934, Serial No. 719,017
In Poland April 13, 1933
7 Claims. (Cl. 70—70)



1. A lock to be locked by a combination key having longitudinally adjustable bitting and to be unlocked only by a key of identical combination of bits comprising in combination a movable bolt, two cylinders arranged concentrically one inside the other, one of said cylinders being rotatably mounted and adapted to actuate said bolt, parallel longitudinal grooves provided in said cylinders, pushers slidably arranged in said grooves of the inner cylinder and simultaneously movable by the bits of the key, springs actuating said pushers so as to move them into the initial position, tumblers slidably arranged in said grooves of the outer cylinder for locking said rotatable cylinder against rotation, radial projections provided on said pushers, notches provided on said tumblers for cooperating with said projections to connect said pushers and tumblers for a common longitudinal movement and means for moving said tumblers by action of said pushers into positions corresponding to the combination bitting of the key selected, means for disconnecting said pushers from tumblers when in said positions, means for locking said rotatable cylinder by aid of said pushers and means for locking said tumblers when disconnected from said pushers.

2,044,535
WOOD TILE FOR FLOORING AND PANELING
Salvatore Luzzati and Cesare Molinari, Turin, Italy
Application April 25, 1933, Serial No. 667,879
In Italy April 30, 1932
4 Claims. (Cl. 20—7)

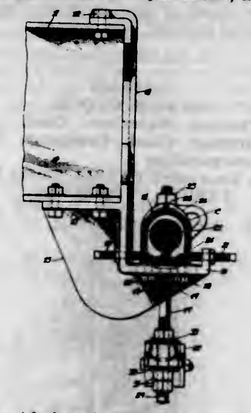


1. In a composite wood and cement tile for flooring and panelling, a backing layer comprising a magnesium chloride and magnesite cement, acid calcium phosphate for preventing shrinkage of the cement during setting and a waterproofing substance.

2,044,536
BEAM HANGER
August R. Maier, Dallas, Tex., assignor to Oil Well Supply Company, Dallas, Tex., a corporation of New Jersey
Application October 11, 1934, Serial No. 747,975
8 Claims. (Cl. 255—15)

1. A beam hanger comprising a supporting saddle having a sliding surface extending longitudinally thereof, a bearing slidably mounted thereon, means to secure said bearing on said saddle

in different positions of adjustment, a shaft jour-



nalled in said bearing, and means depending from said shaft to secure a pump rod.

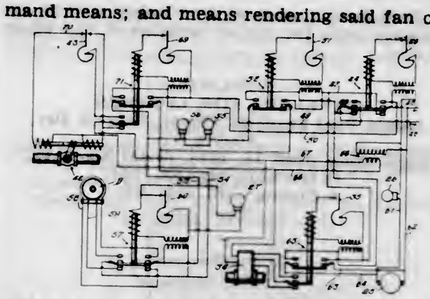
2,044,537
SAFETY DEVICE FOR GAS CONDUITS
Stanislaw Dunin-Markiewicz, Czeslaw Sudlitz, and Tadeusz Smiśniewicz, Zagozdzon, Poland, assignors to Panstwowa Wytwornia Prochu, Pionki, Zagozdzon, Poland
Application February 23, 1933, Serial No. 658,258
In Poland April 12, 1932
3 Claims. (Cl. 48—192)



3. Apparatus for preventing propagation of detonation waves and flames in conduits and pipe lines for explosive gas mixtures comprising a chamber, two pairs of parallel foraminous grid members, each pair enclosing permeable filling material and being held together by means of bolts, the pairs of grid members being disposed in said chamber between the inlet and outlet thereof parallel to the longitudinal axis of the inlet and outlet conduits so as to divide the chamber into a central portion into which one of said conduits opens and outer portions into which the other of said conduits opens, whereby the gas stream is forced to flow through said perforated grid members at right angles to its direction of flow on entering and leaving the chamber and low strength connecting members between said grid members and said chamber.

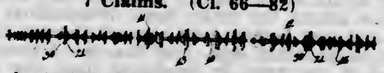
2,044,538
AIR CONDITIONING APPARATUS
Maxwell F. May, Palos Park, Ill.
Application April 4, 1935, Serial No. 14,725
15 Claims. (Cl. 236—1)

1. Apparatus of the character described, including: an air duct adapted to supply air to a room; main heat transfer means in said duct; auxiliary heat transfer means in said duct; a fan adapted to force air through said duct, said fan having a plurality of speeds; temperature responsive demand means in said room; means rendering said fan operative at a low speed upon a demand from said demand means; means rendering said main heat transfer means operative upon a more urgent demand from said demand means; and means rendering said fan op-



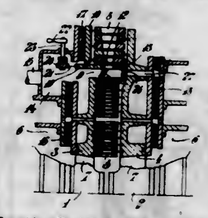
erative at a high speed when said main heat transfer means is operative.

2,044,539
CAMSHAFT-OPERATED KNITTING MACHINE
Christian F. Meyer, Wyomissing, and Melchior Zwicky, Berkshire Heights, Pa., assignors to Textile Machine Works, Wyomissing, Pa., a corporation of Pennsylvania
Application May 10, 1932, Serial No. 610,332
7 Claims. (Cl. 66—82)



6. A straight knitting machine comprising a shaft, a multiplicity of cams on the shaft, and followers for the cams, one of the cams being disposed on the shaft in predetermined cyclic relation to the positions of a plurality of the other cams on the shaft, and a follower of said one cam reacting thereagainst with a force corresponding to the composite magnitudes of the forces of followers against the other cams of said plurality, and in a direction opposite to said forces of followers, to compensate for a cyclic unbalancing effect on the shaft by the other cams and followers.

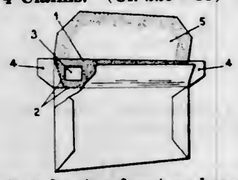
2,044,540
RADIAL FLOW TURBINE
Ragnar Olov Jacob Möller, Finspong, Sweden
Application July 26, 1935, Serial No. 33,371
In Sweden June 6, 1934
5 Claims. (Cl. 253—16.5)



1. In an elastic fluid turbine, two turbine discs for opposite rotation and blade rings carried by said discs so as to form a radial flow blading for double rotation, one of said discs comprising a plurality of axially spaced annular sections, the outermost blade ring of an inner disc section being directly connected with the innermost blade ring of the adjacent outer disc section on the side of the blade rings remote from the disc sections, so that said outer disc section is carried by said innermost blade ring, thereby allowing bleeding openings of any desired radial width extending uninterruptedly all around to be provided between said disc sections for the extraction of elas-

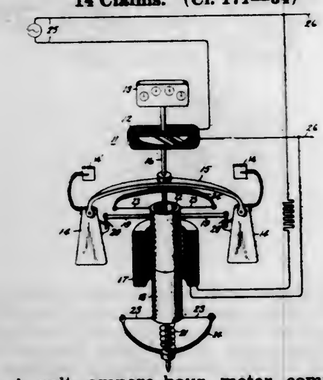
tic fluid from a stage of the blading without interfering with the double rotation of the whole blading.

2,044,541
ENVELOPE FOR LETTERS
Osmin Paul François Nigoul, Hussein Dey, Algeria
Application April 18, 1935, Serial No. 17,093
In Germany May 29, 1934
4 Claims. (Cl. 229—85)



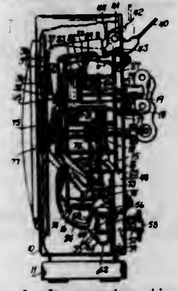
1. An envelope having front and rear face portions, and having means for receiving a postal imprint, the said means being adapted to be attached permanently to the contents of the envelope at the time of sealing the letter and to be severable from the said face portion of the envelope at the time that the latter is opened, the said means consisting of a gummed band formed across almost the entire upper longitudinal end of said face portion and secured thereto along one longitudinal side, and the two transverse sides of the band by weakened lines, the said gummed band being adapted to be secured permanently by its gummed back to the contents of the envelope at the time that the latter is sealed, to receive the postal imprint thereon, and to be removed bodily from the envelope, along with the contents of the latter, when the envelope is opened, so that the postal imprint will always form part of the said contents.

2,044,542
ELECTRICAL METER
William H. Pratt, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application September 7, 1934, Serial No. 743,106
14 Claims. (Cl. 171—34)



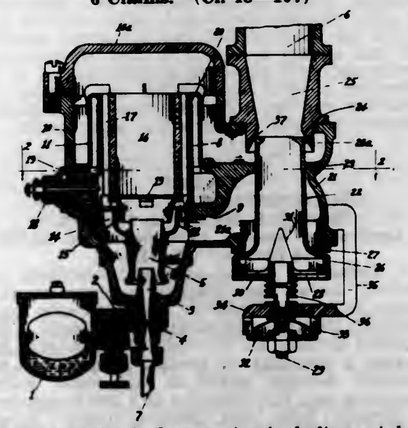
1. A volt ampere-hour meter comprising in combination a register, an induction disc motor driving said register and having a current winding, a variable radius rotatable air resistance damping member mechanically connected to said induction disc motor, a solenoid voltage winding and an armature cooperating therewith and connected mechanically to said damping member to vary the radius and restraining torque thereof inversely in response to variations in voltage whereby the speed of said induction motor varies as a product of current and voltage.

2,044,543
ALARM CLOCK
James R. Putnam, Waterbury, Conn., assignor to The Waterbury Clock Company, Waterbury, Conn., a corporation
Application December 15, 1934, Serial No. 757,651
2 Claims. (Cl. 58—22)



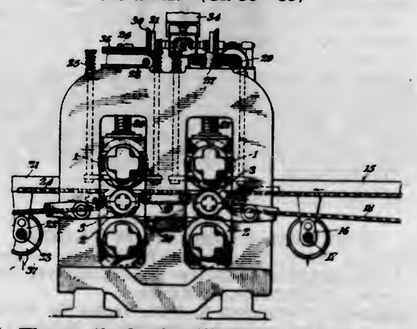
2. An alarm-clock construction including: a main movement including a time-train, a main alarm-train, and driving-means and supporting structure therefor, all organized as a main unit; a secondary movement including a secondary alarm-train, and driving-means and supporting-structure therefor, all organized as a secondary unit; and a main alarm-release and shut-off arm mounted on the main unit and having a secondary alarm-release and shut-off extension carried by and rigid with said shut-off arm and extended to the secondary unit, and means adapted to partially release said arm to first release said secondary alarm-train and later to further release said arm to later release said main alarm-train.

2,044,544
CATALYTIC FUEL GENERATOR
Emory Lee Rathburn, Alexandria, Ind., assignor, by mesne assignments, to The Mantle Lamp Company of America, Chicago, Ill., a corporation of Illinois
Application June 14, 1930, Serial No. 461,248
6 Claims. (Cl. 48—107)



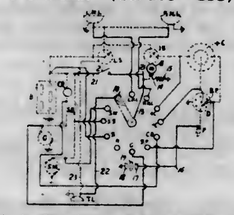
1. A catalytic fuel generator including a tubular catalyst, an outlet passage for the combustible gases developed by said catalyst, an adjustable nozzle for controlling said outlet passage, a supplemental passage for supplying air to said tubular catalyst controlled by said annular nozzle, means for actuating said adjustable nozzle, and a valve at the lower end of said adjustable nozzle for varying the volume of air flowing thereinto.

2,044,545
ROLLING MILL
George R. Roemer, Brooklyn, N. Y., assignor of one-half to Henry A. Roemer, Youngstown, Ohio
Application February 17, 1934, Serial No. 711,645
7 Claims. (Cl. 80—35)



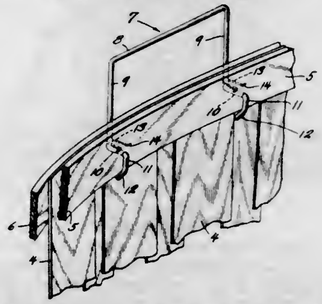
1. The method of rolling steel sheets, pairs and packs to thinner gauge which includes passing the material successively in the same direction between adjacent rolls of adjacent "three high" mills which are feeding in said direction, thereby to subject the material to successive gauge reducing operations, and then passing the material back in the reverse direction successively between the rolls of said mills which are feeding in said reverse direction, thereby to subject said material to further successive gauge reducing operations.

2,044,546
FAULT INDICATOR AND RECTIFIER FOR ELECTRICAL CIRCUITS OF MOTOR VEHICLES
Harry Michael Ryan and Kenneth Gregory Ryan, South Strathfield, New South Wales, Australia
Application July 17, 1934, Serial No. 735,666
In Australia July 17, 1933
5 Claims. (Cl. 175—183)



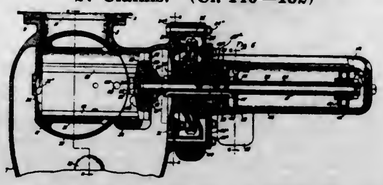
1. A fault indicator and rectifier for use in conjunction with the electrical circuits of a motor vehicle, comprising a plurality of fixed contacts and means for directly connecting these contacts to points in the electrical circuit, a movable contact adapted to be engaged selectively with any of the said fixed contacts, an earth connection from said movable contact through indicating means including resistance, and a lead, incorporating a switch, to connect the said movable contact to a source of electric supply.

2,044,547
BASKET HANDLE
Albert H. Schmidtke, St. Joseph, Mich., assignor to St. Joseph Iron Works, St. Joseph, Mich., a corporation of Michigan
Application July 12, 1934, Serial No. 734,746
4 Claims. (Cl. 217—125)



1. The combination of a basket having a rim around the upper edge, a handle having depending legs extending inwardly through the rim, then downwardly at the inner side of the rim, and then outwardly under the lower edge of rim, and a staple embracing each leg near the lower end thereof and engaged through the basket rim.

2,044,548
CUTTING MACHINE
Charles F. Schwennker, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application June 18, 1932, Serial No. 618,006
27 Claims. (Cl. 146—182)

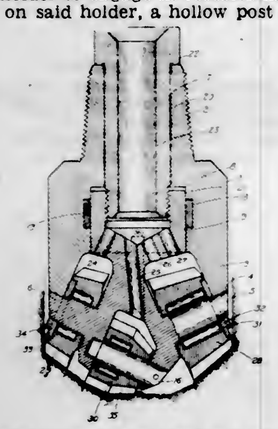


1. The combination with a sink having an opening in its bottom, of a garbage cutting machine comprising a casing, a receptacle in the casing having an open end, cutting means adapted to move into and out of the receptacle through said open end, a drain pipe connected to the casing, and means for moving the receptacle to bring its open end into alignment with said opening and with said cutting means, there being clearance between the walls of the casing and the adjacent walls of the receptacle for the flow of water.

2,044,549
THREE-CUTTER BIT
Floyd L. Scott, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex., a corporation of Texas
Application August 20, 1931, Serial No. 558,295
9 Claims. (Cl. 255—71)

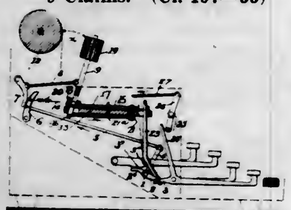
1. A well drill including a head having an axial opening therein, oppositely disposed supporting

legs on said head, a holder adapted to fit between said legs, opposite upwardly inclined cutter shafts on said holder to engage in recesses in said legs, a shank on said holder, a hollow post extending



downwardly through said head and screwed within said shank, a central cutter shaft on said holder and rolling cutters on said shafts, the axes of said shafts being all in the same vertical plane.

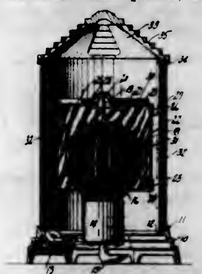
2,044,550
TYPEWRITER
Gustave Teissèdre, Strausbourg-Alsace, France
Application February 16, 1932, Serial No. 593,290
In Germany February 25, 1931
9 Claims. (Cl. 197—55)



1. A visible writing line typewriter comprising a four bank keyboard having shift keys and printing keys, a platen, a type carrier having small inertia comprising a cylindrical jacket having characters arranged thereon in four circumferential rows, a core cylinder upon which the jacket is mounted for rotation about its axis and for axial translation a distance equal to the distance between two adjacent rows of type, a base plate, means for supporting the core cylinder on the base plate for swinging motion toward the platen, means joining the shift keys and base plate for shifting it and the type-carrier a distance equal to that between the first and third rows of type, and printing key actuated means coacting to overcome quickly the inertia of the type-carrier and to swing it against the platen with a high final velocity.

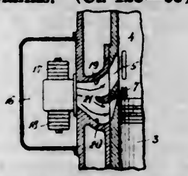
2,044,551
MOTION LAMP
Frank G. Tompsett, Omaha, Nebr.
Application August 25, 1934, Serial No. 741,460
1 Claim. (Cl. 40—40)

In a lamp structure for giving the illusion of a forest fire, a base, a light source thereon, an inner rotary screen having markings thereon, and an outer translucent surrounding screen, having a forest fire scene on its outer surface, showing trees, and having on its inner surface substantially vertical dark parts, staggered with



relation to the showing of trees on the outer surface, so that when the lamp is not lighted, the trees will not seem crowded in the visible scene, whereas when the lamp is lighted the dark parts will give the appearance of additional trees in the distance.

2,044,552
INTERNAL COMBUSTION ENGINE
Heinrich Wälti, Winterthur-Wulflingen, Switzerland, assignor to Sulzer Frères Société Anonyme, Winterthur, Switzerland
Application November 9, 1934, Serial No. 752,213
In Switzerland November 11, 1933
6 Claims. (Cl. 123—65)

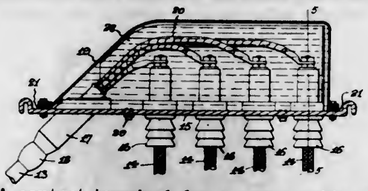


1. In a two-stroke cycle internal combustion engine, the combination of a cylinder, the wall thereof having piston controlled exhaust and main air admission ports, said wall also having auxiliary air admission means arranged to be uncovered by the piston during the expansion stroke after the uncovering of the exhaust and main air admission ports, means for delivering air to the main air admission ports, and means for causing air to be discharged through the auxiliary air admission means at a velocity appreciably greater than that of the air entering through the main air admission ports and sufficient to form a screen which tends to prevent air entering the cylinder through the main air admission ports from flowing directly to the exhaust ports.

2,044,553
METHOD OF MAKING A LOW CONSISTENCY HYDRATED LIME
Francis C. Welch, Fond du Lac, Wis., assignor to The Western Lime & Cement Co., Milwaukee, Wis.
No Drawing. Application May 23, 1932, Serial No. 613,135
2 Claims. (Cl. 23—189)

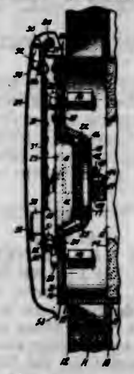
1. The method of preparing a hydrated lime requiring a minimum of water to reach desired consistency and plasticity, which consists in hydrating quick lime in the presence of calcium chloride; and then finally grinding said hydrated lime while in neat condition.

2,044,554
CONTACT CABLE TERMINAL
Howard C. Welter, Evanston, Ill.
Application June 13, 1931, Serial No. 544,096
3 Claims. (Cl. 247—7)



1. A contact terminal for a power cable comprising in combination a substantially flat elongated base, a plurality of aligned connectors mounted on the base but insulated therefrom, a shield completely covering the connectors having a weatherproof joint with the base, means on the base for introducing the cable terminal into the closed space and supporting it in place, conductors protruding from the cable electrically connected to the several connectors, a viscous insulator filling the closed space and an insulating barrier interposed between the connectors and the side walls of the shield.

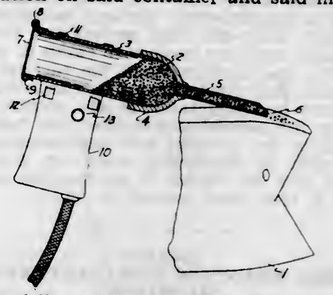
2,044,555
CLOSURE FOR AN OBSERVATION OPENING
Henry S. Woodruff, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application August 25, 1933, Serial No. 686,713
15 Claims. (Cl. 126—200)



1. A closure device for an observation opening provided in a substantially fluid-tight partition, including in combination a transparent panel mounted for sealing the opening, a pair of movable covers one for the protection of each side of said panel and means operative to produce movement of one of the covers simultaneously with movement of the other of the covers to permit observation through said panel.

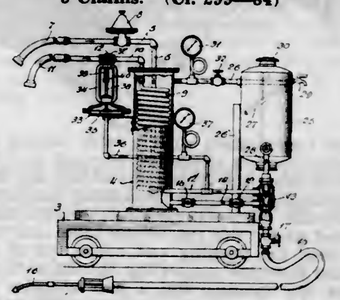
2,044,556
VIBRATING MAGAZINE FOR APPLYING HARD MATERIAL
Gorham W. Woods, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex., a corporation of Texas
Application July 11, 1935, Serial No. 30,939
3 Claims. (Cl. 221—1)

1. A device of the character described including a portable container for granular material, a spout thereon having a constricted opening, and a vibrator secured to said container to exert a vibration on said container and said material



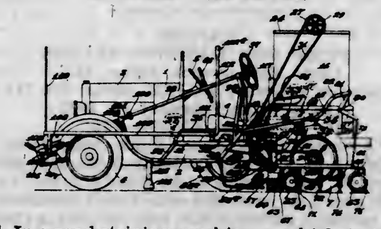
as it is delivered from said opening, a housing for said vibrator, said housing forming a handle whereby said container may be adjusted relative to the work.

2,044,557
METHOD AND APPARATUS FOR TREATING SURFACES
Clayton H. Alvord, Hastings, N. Y., assignor to Tridex Machine Corporation, New York, N. Y., a corporation of New York
Application February 28, 1934, Serial No. 713,296
5 Claims. (Cl. 299—84)



2. The method of producing a surface treating stream which comprises utilizing a heated fluid under pressure to heat a second fluid, dissolving a detergent with a portion of said second fluid of one temperature to form a detergent solution, mixing the other portion of said second fluid at a lower temperature with said solution, and employing the first-named fluid as an impelling agent for said mixture.

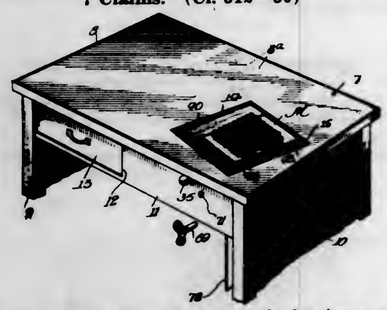
2,044,558
ROAD STRIPING MACHINE
John Houston Ball, Abilene, Tex.
Application August 13, 1934, Serial No. 739,593
12 Claims. (Cl. 91—25)



1. In a road striping machine, a vehicle to travel on the roadway, guiding and steering means,

adjustably provided on the vehicle, for controlling the travel of the vehicle to gauge the location of the stripe, stripe applying means comprising a supplemental carriage having wheels to support it on the road surface and provided with paint-applying brushes to sweep in contact with the road surface when the carriage is so supported, controllable means for supplying, with regulation by an operator, at will, painting material in the path of said brushes, and means on the vehicle for lowering said supplemental carriage with its supporting wheels in travelling contact with the surface of the roadway and for lifting it from such contact, at will.

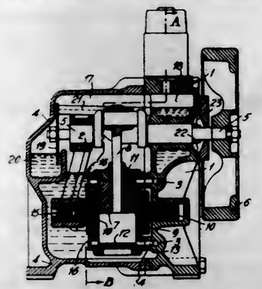
2,044,559
TABLE MOUNTING FOR CALCULATING MACHINES
Albert Balster, Chicago, Ill.
Application August 10, 1934, Serial No. 739,207
7 Claims. (Cl. 312—30)



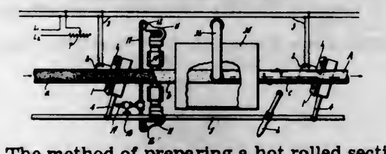
1. In combination with a table having a rectangular opening extending through and spaced inwardly from the front edge of the top thereof, a calculating machine mounting comprising a rectangular, open top container for the machine disposed under the top of the table and in registry with the opening and consisting of a rectangular machine supporting bottom of the same size as the opening and a pair of sides and a front and back connected together and extending upwardly from the margins of the bottom and of substantially the same height as the body of the machine, means associated with the sides of the container forming a pivotal support whereby the container may be swung from a normal position, wherein the top margins of the sides, front and back thereof are substantially flush with the table top and the keys of the machine project above the table top and are manipulable from above said table, into an inoperative position wherein the machine is inverted and the container bottom is flush with and completes the top of the table, and means for securing the machine in place in the container.

2,044,560
PUMP FOR GASEOUS FLUIDS
Carlo Barbareschi, Milan, Italy
Application February 15, 1934, Serial No. 711,347
In Belgium February 18, 1933
3 Claims. (Cl. 230—175)

1. A pump for gaseous fluids comprising in combination, a casing partially filled with lubricating oil, a removable cover fitted thereto, a cylinder closed at each end oscillatably mounted in said casing, a piston within said cylinder, a crankshaft mounted in the casing, a connecting rod slidably mounted in one end of the cylinder forming a driving connection between the piston and crank shaft, means for intermittently admitting gas into the respective ends of the cylinder, means for providing a sliding fluid tight connection between the casing and cylinder, means for discharging the compressed gas into the oil, means for imparting a super charge when starting, means for automatically controlling the pressure within said casing and means for automatically lubricating the mechanism.



2,044,561
STEEL TREATING
William S. Bidle, Cleveland Heights, Ohio
Application October 18, 1934, Serial No. 748,817
8 Claims. (Cl. 29—81)



1. The method of preparing a hot rolled section of the class described for machine tool operations, comprising hammering the scale-bearing surface of said section to loosen said scale therefrom, and subjecting said surface to a blast stream to remove such scale as remains after said hammering.

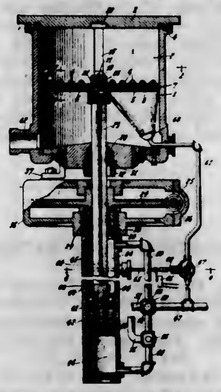
2,044,562
PROCESS FOR THE MANUFACTURE OF TRIPHENYL-METHANE DYESTUFFS
Paul W. Carleton, Pennsgrove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application October 30, 1934, Serial No. 750,737
5 Claims. (Cl. 260—68)

1. In the process of oxidizing the leuco base of tetraalkyl-diamino-diphenyl-naphthyl-methane-disulfonic acid by the aid of oxalic acid and an oxidizing agent to produce the corresponding dyestuff, the improvement which comprises mixing the leuco base and oxidizing agent first, and then adding the oxalic acid at a very high rate.

2,044,563
GRINDING MACHINE
Mitchell Carter, Los Angeles, Calif., assignor to General Electric Company, a corporation of New York
Application October 15, 1931, Serial No. 568,890
10 Claims. (Cl. 83—7)

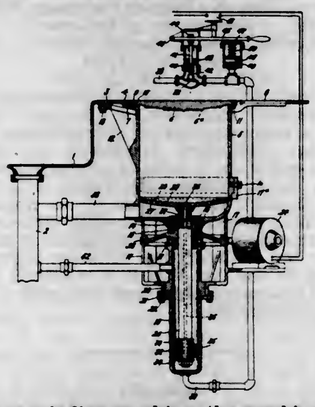
1. A garbage grinding machine comprising a cylindrical receptacle for the reception of material to be ground, a grinding means in said cylinder

mounted for rotation in a plane perpendicular to the axis of the cylinder, and mounted for reciprocation along a line parallel to the axis of the cylinder, means for rotating said grinding means, means for moving said grinding means lengthwise of the cylinder, means controlled by said means for moving the grinding means for



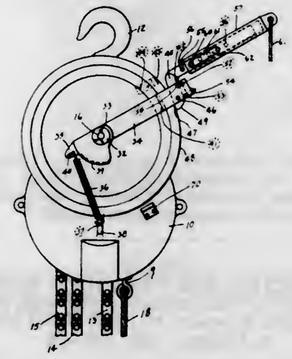
automatically stopping the rotation of said grinding means upon completion of its lengthwise travel in grinding direction, means for flushing the grinding means, and controlling means for the flushing means actuated by the means for moving the grinding means.

2,044,564
GRINDING MACHINE
Mitchell Carter, Trenton, N. J., assignor to General Electric Company, a corporation of New York
Application August 29, 1933, Serial No. 687,283
10 Claims. (Cl. 83—7)



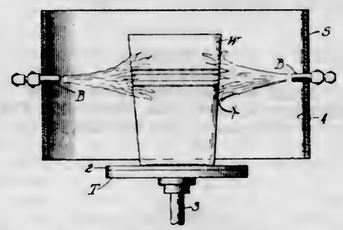
1. In a grinding machine, the combination of a receptacle for receiving garbage or like material to be ground, grinding means comprising a perforated disk member adapted to move in the receptacle, a cylinder, a piston in the cylinder, a rod connecting the piston to the grinding means, means for supplying fluid pressure to the piston for moving it longitudinally in the cylinder, and means for turning the grinding means, said rod being provided with an axially extending passage through which fluid is supplied to the grinding means for flushing it.

2,044,565
POWER APPLICATION TRANSFORMATION FOR CHAIN HOISTS
Fredrick W. Coffing, Danville, Ill.
Application April 15, 1935, Serial No. 16,365
12 Claims. (Cl. 254—167)



1. In a chain hoist including a housing arrangement, a load chain depending therefrom, chain moving means within the housing including a power shaft having an exposed end, and a control mechanism within the housing including a control member projecting therefrom, of a governor structure operatively interposed between the shaft and housing, a power wheel on the shaft, and lever means operatively associated with the wheel for manually rotating said shaft in a load elevating direction.

2,044,566
ART OF FLAME TREATING GLASSWARE
Harvey Cory, Chicago, Ill.
Application October 29, 1934, Serial No. 750,513
4 Claims. (Cl. 49—77)



1. The method of firing decorations on articles made of bori-silicate glass, which comprises the step of applying a decorative coating composition to a portion of the article's surface, and thereafter subjecting that portion of the article's surface whereon the decoration is applied to the action of a flame while subjecting the remainder of the surface of the article to room temperature.

2,044,567
GOLF CLUB
Andrew J. Daday, Yonkers, N. Y.
Application June 29, 1934, Serial No. 732,964
22 Claims. (Cl. 273—81)

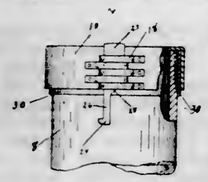
1. A golf club comprising a shaft having a club head at one end and a hand grip at its other end, and means responsive to the influence of cen-

trifugal force upon the club head during the playing stroke to turn the club head around the axis of the hand grip and position the striking



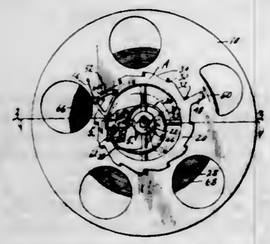
face of the club head in a desired predetermined plane at the moment of impact with the ball, said means including relatively movable parts, one of which is carried by said shaft.

2,044,568
PROTECTOR FOR THREADED OBJECTS
Lester S. Gunderman, Pittsburgh, Pa.
Application February 21, 1935, Serial No. 7,592
6 Claims. (Cl. 138—96)



1. A protector to be placed over threads on pipe comprising a collar having a key member slidably mounted across the ends of said collar, said key member having edges which lie in the same plane to coact with means on the ends of said collar to hold the collar in a tightened position on the said threads preventing the accidental loosening of the collar and a separate yielding member adapted to lie between the collar and the threads.

2,044,569
FILM REEL
Floyd L. Hess, Des Moines, Iowa
Application June 4, 1934, Serial No. 728,975
6 Claims. (Cl. 88—18.7)



5. In combination with a film reel comprising side plates having slots therein, means extending between said side plates on which said film may be reeled and having portions projecting through said slots, a rotatable cam for engaging said projecting portions and moving them outwardly upon rotation in one direction relative to said film reel, and a guide tube for film at the center of said reel having a discharge end at the side thereof.

2,044,570
METHOD OF PRODUCING AN EMULSIFIABLE ASPHALT
Charles E. Hite, Philadelphia, Pa.
No Drawing. Application February 17, 1934, Serial No. 711,733
3 Claims. (Cl. 134—1)

1. The method of producing an emulsifiable asphalt, which consists in mixing a carbohydrate-containing meal, of the class consisting of cereal meals and oleaginous seed meals, with a light hydrocarbon asphalt cut-back, in substantially equal proportions, to form a water-free emulsifying medium and then mixing a small amount of said medium with the asphalt in the liquid state.

2,044,571
COMPOSITIONS AND METHOD OF PRODUCING
Cleveland B. Hollabaugh, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 23, 1933, Serial No. 703,833
15 Claims. (Cl. 134—79)

1. A composition including a solution of nitrocellulose in a solvent which is substantially immiscible with water, said solution being emulsified as the internal phase in water containing an emulsifying agent comprising a salt of a higher aliphatic sulphate in an amount sufficient to produce a stable emulsion capable of producing on drying a smooth continuous film.

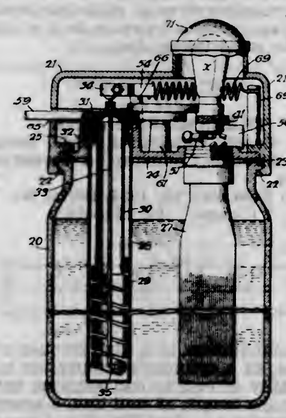
2,044,572
COMPOSITIONS AND METHOD OF PRODUCING
Cleveland B. Hollabaugh, Wilmington, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 1, 1934, Serial No. 755,636
7 Claims. (Cl. 134—79)

1. A composition including a substantially water-immiscible nitrocellulose lacquer solution having a concentration of nitrocellulose within the range 10%–40% emulsified in disperse phase in water on a ratio of nitrocellulose solution to water within the range 2:1–4:1, by weight, through the medium of an emulsifying agent which is non-reactive with nitrocellulose and in amount less than the amount of nitrocellulose in the emulsion, the emulsion being characterized by the fact that it is stabilized by mechanical treatment, as by treatment with a colloid mill or homogenizer.

2,044,573
CONSTANT TEMPERATURE BATH
Carl S. Hornberger, Glen Ellyn, Ill., assignor to Central Scientific Company, a corporation of Illinois
Application September 5, 1935, Serial No. 39,237
16 Claims. (Cl. 219—38)

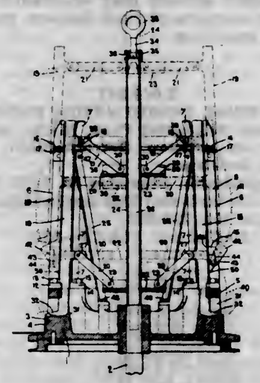
1. In a heater, in combination, a container, a separable chambered closure therefor, main line connectors carried by the closure, a local electric circuit housed within the closure, a cut-out switch in the local circuit normally open when the closure is disconnected from the container

the movable element of the switch being so po-



sitioned that it is moved to close the circuit by the application of the closure to the container.

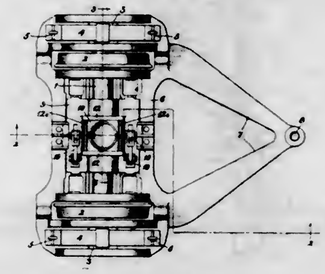
2,044,574
STRIPPER FOR WIRE-RECEIVING BLOCKS
Charles D. Johnson, Worcester, Mass., assignor to Johnson Steel & Wire Company, Inc., Worcester, Mass., a corporation of Massachusetts
Application October 4, 1934, Serial No. 746,763
12 Claims. (Cl. 205—20)



1. A device of the class described comprising a rotary block having a wire-receiving surface on which the wire is wound, and means capable of operation independently of the rotative movement of the block and operative both while the block is rotating and while it is at rest to lift the wire load accumulating above the wire-receiving surface and separate it bodily therefrom.

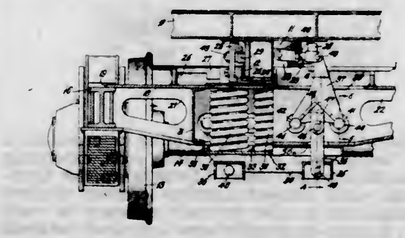
2,044,575
RADIAL GUIDING TRUCK
Ole K. Kjolseth, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application July 5, 1934, Serial No. 733,632
8 Claims. (Cl. 105—174)

1. In combination with a locomotive or car, a radially movable guiding truck, a bolster on said truck movable laterally with respect to said truck, said bolster having a guide extending longitudinally of said truck, a longitudinally movable cen-



ter plate carried by said bolster and engaging said guide, and means for restraining lateral movement of said bolster.

2,044,576
LATERAL RESTRAINT DEVICE
Ole K. Kjolseth, Erie, Pa., assignor to General Electric Company, a corporation of New York
Application March 30, 1935, Serial No. 13,903
9 Claims. (Cl. 105—189)

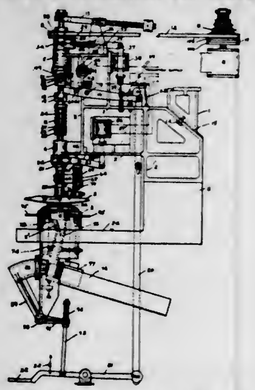


1. A locomotive or car having a frame and a truck, means for supporting said frame on said truck, said supporting means being movable laterally of said truck, a spring plank arranged below said supporting means, a spring arranged to engage said spring plank and the portion of said truck below said supporting means, a rocker supported on said truck and connected to said car frame and said spring plank, and means utilizing said rocker for resiliently centering said frame with respect to said truck.

2,044,577
GLASS-CUTTING MACHINE
Norman H. Klages, Pittsburgh, Pa., assignor to L. J. Houze Convex Glass Company, a corporation of Pennsylvania
Application June 11, 1935, Serial No. 25,980
20 Claims. (Cl. 49—48)

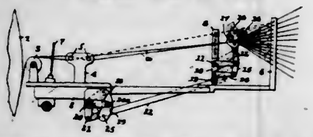
5. In a machine including a support for a sheet of glass and a revoluble tool for cutting a disc from said sheet, the combination of means for yieldingly moving said tool into engagement with a sheet of glass on said support, means for revolving said tool in contact with said glass, means effective while said tool is revolving for maintaining substantially constant pressure between the tool and the glass, means operable when said tool

has completed a revolution for cracking-out the



disc cut in said sheet, and stacking means arranged to receive the detached disc.

2,044,578
ART OF LEASING WARPS
Frederick Klein, Glen Rock, N. J., assignor to Sipp-Eastwood Corporation, Paterson, N. J., a corporation of New Jersey
Application August 24, 1934, Serial No. 741,212
1 Claim. (Cl. 28—40)



Apparatus for use in forming a cross in a warp including a warp support, rods, extending across the opposite faces of the warp, for holding the warp thread portions crossed thereby in substantially side by side relation to each other, a shed-forming means arranged between said support and rods and comprising dents penetrating the warp and having in each of selected spaces between its dents spaced stops between which a corresponding warp thread extends, a back-and-forth-movable system including parallel cranks and a link pivotally connecting the cranks and carrying the rods, and means to support the warp support and shed-forming means and on which said cranks are pivotally supported.

2,044,579
PROCESS OF TREATING RESINOUS PRODUCTS
Glen M. Kuettel, Roselle, N. J., assignor to Du Pont Viscoloid Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 24, 1934, Serial No. 736,680
5 Claims. (Cl. 260—2)

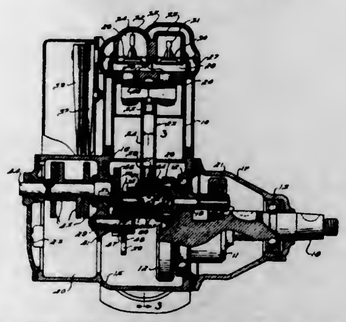
2. Process of treating a cast massive piece of a compound from the class consisting of acrylic and alkacrylic acids, their homologues, and derivatives, said compound having been polymerized to the solid state at a temperature below the temperature of bubble formation to give an internally substantially flawless massive piece, which comprises heating said massive piece at a temperature slightly in excess of the boiling temperature of the compound in monomeric form until no further appreciable increase in the hardness of the massive piece at room temperature or no further appreciable increase in the softening point of the mass takes place.

2,044,580
TRANSMISSION LINE
Edward A. Leach, Cincinnati, Ohio, assignor to General Electric Company, a corporation of New York
Application February 28, 1934, Serial No. 713,408
7 Claims. (Cl. 173—265)



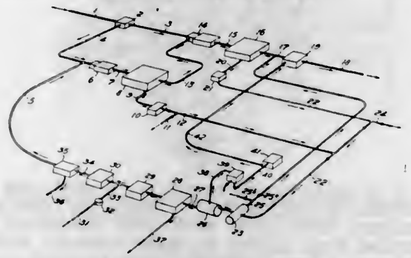
1. The combination, in a high frequency transmission line, of a cylindrical conductor comprising a plurality of end to end sections extending throughout the length of said line, a second conductor comprising a plurality of sections of substantially equal length with said sections of said first conductor, means to support said second conductor within said first conductor with the ends of the inner conductor sections in proximity to the ends of the outer conductor sections, said means comprising separate supports extending across adjacent ends of the outer conductor and supporting the two adjacent ends of the inner conductor for free longitudinal movement centrally of the outer conductor, and a collar about adjacent ends of said outer conductor engaged by said supports whereby upon removal of said last collar said separate supports and inner conductor of an adjacent section may be readily removed while other sections of said line are maintained in normal condition.

2,044,581
INTERNAL COMBUSTION ENGINE
Roger K. Lee, Highland Park, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Original application February 16, 1933, Serial No. 657,146. Divided and this application June 13, 1934, Serial No. 730,433
20 Claims. (Cl. 74—580)



1. In an internal combustion engine having a crank, a plurality of connecting rods radiating from said crank, each of said connecting rods having an annular cylindrical bearing operatively engaging said crank, the cylindrical bearing of one of said connecting rods being positioned within the cylindrical bearing of another of said connecting rods.

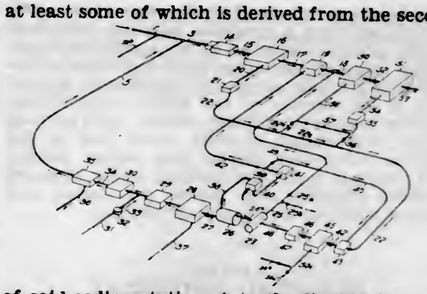
2,044,582
WATER SOFTENING
Henry G. Lykken and Joseph B. Estabrook, Minneapolis, Minn.
Application March 27, 1934, Serial No. 717,567
11 Claims. (Cl. 210—16)



1. In combination in a system wherein water is treated by lime, a supply for water to be treated, a preliminary mixing means, a main mixing means, a dividing box having one portion in communication with the preliminary mixing means and another portion in communication with the main mixing means, by which dividing box the water supply is divided into a diverted flow leading to the preliminary mixing means and a main flow leading to the main mixing means, a lime supply means by which hydrat[ed] lime is introduced into the diverted flow and is mixed with the latter in and by said preliminary mixing means, thereby dosing the diverted flow, a preliminary settling means that receives the dosed flow from the preliminary mixing means, means for conducting effluent from the preliminary settler to the main flow so that said effluent serves to dose the main flow when mixed with the latter in and by said main mixing means, means for withdrawing settled sludge from the preliminary settling means and for passing at least some of said sludge from the water treating system, a main settling means, means whereby the dosed main flow passes from the main mixing means to the main settling means, carbonation means, means for conducting effluent from the main settling means to the carbonation means, means by which the effluent after carbonation is passed from said carbonation means, a vacuum filter, a calcining kiln, a lime storage, a lime slaker, means by which settled sludge is passed from the main settling apparatus to said vacuum filter and whereby solids of said sludge are passed from the filter to said kiln, means whereby the calcined lime product is passed to said lime storage, means by which lime is passed from said storage to said slaker, and finally as hydrated lime into and through said lime supply means for the dosing of the diverted flow.

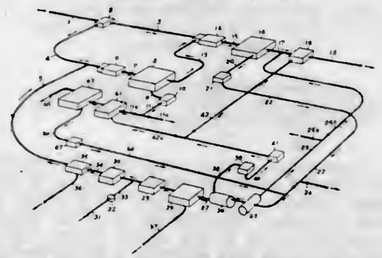
2,044,583
WATER SOFTENING
Renville S. Rankin, Hastings, N. Y., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Application March 27, 1934, Serial No. 717,568
2 Claims. (Cl. 210—16)

1. In the treating of impure water the method which comprises mixing lime with water to convert certain of the soluble constituents thereof into solid form, thereafter subjecting the limed water to sedimentation, subjecting the effluent from the sedimentation to carbonation, thereafter subjecting the carbonated effluent to a second sedimentation, and introducing settled sludge at least some of which is derived from the second



of said sedimentations into the liquid after carbonation but prior to the second sedimentation.

2,044,584
WATER SOFTENING
Renville S. Rankin, Chicago, Ill., assignor to The Dorr Company, Inc., New York, N. Y., a corporation of Delaware
Original application March 27, 1934, Serial No. 717,568. Divided and this application January 10, 1936, Serial No. 58,462
2 Claims. (Cl. 210—16)



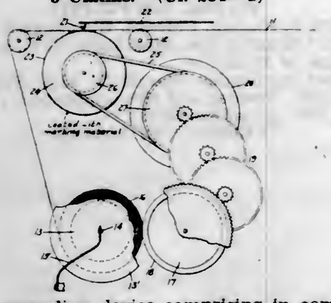
1. In the treating of impure water the method which comprises dividing the water to be treated into a main flow and a diverted flow, mixing with the diverted flow lime sufficient in quantity for the treating method, subjecting the limed diverted flow to preliminary quiescent sedimentation, passing the effluent from the preliminary sedimentation to the main flow and mixing therewith, subjecting the mixed flow to a main quiescent sedimentation, withdrawing sludge from the preliminary sedimentation, carbonating the sludge withdrawn from the preliminary sedimentation, subjecting said carbonated sludge to a third quiescent sedimentation, disposing of the effluent from said third sedimentation along the path leading to waste, passing the sludge of the main sedimentation along a path in which it is ultimately calcined, passing the sludge of said third sedimentation along a path in which it is ultimately calcined, and ultimately employing lime produced in the process by the calcining of the sludges of the main and third sedimentation for supplying lime for the treating of the water.

2,044,585
PREPARATION OF MOLDED ARTICLES
Maurice L. Macht, Jersey City, N. J., assignor to Dupont Viscoloid Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 22, 1934, Serial No. 726,951
6 Claims. (Cl. 18—61)

1. Process of preparing molded articles having veined or mottled effects characterized by contin-

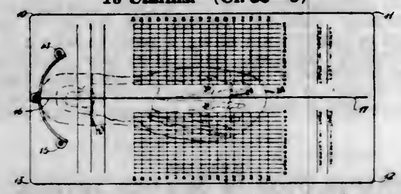
uous bands or zones of contrasting color, comprising pelleting a granular molding compound to give pellets composed of an aggregate of cohering granules retaining their individual characteristic granular structure, applying to at least part of the surface of the pellets thus formed coloring matter in a liquid vehicle, said coloring matter contrasting in color from that of the molding compound, drying said pellets, placing said pellets in a die, and molding under heat and pressure whereby said pellets are flowed and pressed together into a unitary article.

2,044,586
RECORDING INSTRUMENT
Fredrick S. Marcellus, Scotia, N. Y., assignor to General Electric Company, a corporation of New York
Application February 10, 1933, Serial No. 656,131
5 Claims. (Cl. 234—1)



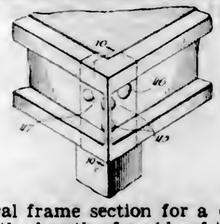
4. A recording device comprising in combination a record chart in sheet form, a marking member located below said record chart and having a surface comprising marking material in close proximity to the under surface of said chart, a movable arm carrying a stylus arranged to bear lightly on the upper surface of said chart, and means for causing relative motion between the marking surface of said marking member and said record chart in a direction parallel to said surfaces, thereby causing marking material to be deposited by abrasion upon the under surface of said chart at a point below said stylus and providing a record of the positions of said stylus with respect to said record chart.

2,044,587
FOOT MEASURING INSTRUMENT
Bert C. Maxwell, Cleveland, Ohio
Application December 12, 1934, Serial No. 757,132
13 Claims. (Cl. 33—3)



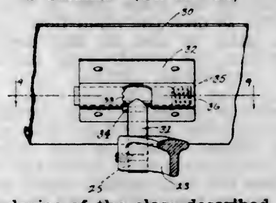
1. In a shoe measuring instrument the combination of a base, a rod member extending lengthwise said base and supported thereupon, graduated scales extending laterally from either side of the rod member and forwardly from one end thereof, and a balancing member supported upon said rod member to permit lateral tilting of said balancing member.

2,044,588
CARD TABLE
George L. Moore, Chicago, Ill.
Application April 30, 1934, Serial No. 723,019
11 Claims. (Cl. 311—105)



1. A lateral frame section for a card table or the like, of the length of a side of the table and stamped from sheet metal and comprising in vertical cross section an upper inwardly facing channel, a lower inwardly facing channel and a vertical web interconnecting the channels and disposed in the plane of the inner edges of the channels and connected to the adjacent flanges of the channels, the vertical web portion being offset 45 degrees at each end and the flanges of said channels being mitered in the vertical plane of said offsets.

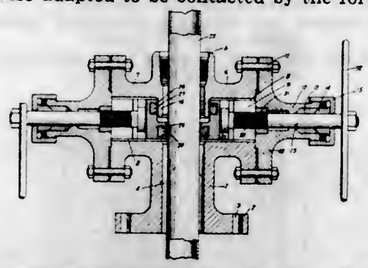
2,044,589
EASEL
Erving B. Morgan and Walter M. Hanson, Grand Rapids, Mich., assignors to American Seating Company, Grand Rapids, Mich., a corporation of New Jersey
Application July 23, 1934, Serial No. 736,545
2 Claims. (Cl. 45—82)



1. In a device of the class described, an easel, a T-shaped support therefor, a plate secured to the easel rotatably and slidably embracing the oppositely disposed transverse portions of the support, and means for maintaining the easel in adjusted rotatable position upon its support comprising a set of teeth on the support embracing portion of the plate, a pin on the support adapted to engage with said teeth, and spring tensioned means for effecting a sliding and rotating engagement of the plate relative to the pin.

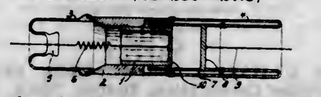
2,044,590
BLOW-OUT PREVENTER
Ralph Neuhaus, Houston, Tex., assignor to Hughes Tool Company, Houston, Tex., a corporation of Texas
Application December 20, 1932, Serial No. 648,029
8 Claims. (Cl. 251—55)

1. In a blowout preventer a housing adapted to be mounted on a well casing and having a vertical passage to register with the well casing, opposite chambers intersecting said passage, opposed rams in said chambers, means to move said rams from a retracted position free of said passage to and from a position contacting with a pipe extending through said passage, compressible sealing material on the forward faces of said rams, and a stationary stop member on said housing also adapted to be contacted by the forward



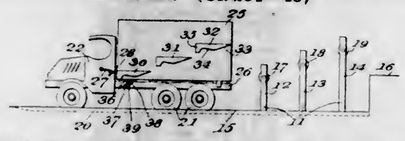
faces of said rams to form a seal at the upper end of said chambers about said passage.

2,044,591
GAS-FILLED ELECTRIC DISCHARGE TUBE
Frans Michel Penning, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware
Application November 28, 1932, Serial No. 644,703
In the Netherlands November 28, 1931
3 Claims. (Cl. 250—27.5)



1. An electric discharge tube comprising a sealed envelope and a plurality of electrodes mounted therein, one of said electrodes being frictionally supported from a metallic member which forms a part of the sealed envelope.

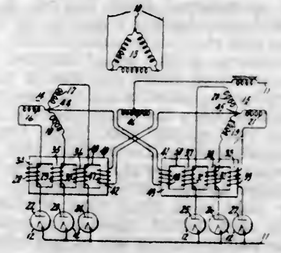
2,044,592
TRUCK BODY HANDLING SYSTEM
Carroll H. Richards, Wellesley, Mass.
Application January 15, 1935, Serial No. 1,930
12 Claims. (Cl. 254—45)



6. A truck body adapted to be detachably mounted upon a truck chassis, said body having a plurality of members on each side thereof each having a surface the major portion of which is inclined upward and rearward of the body, the lowest point of each of said inclined surfaces being intermediate the ends thereof.

2,044,593
BALANCING MEANS FOR RECTIFIERS
Camille A. Sabbah, deceased, late of Schenectady, N. Y., by William A. Dodge, administrator, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application February 8, 1936, Serial No. 62,916
4 Claims. (Cl. 175—363)

1. The combination of a polyphase system provided with two polyphase main transformer secondary windings, an interphase connection connected between the neutral terminals of said secondary windings, a plurality of reactor windings, an electric discharge apparatus comprising a plurality of anodes each connected to a different phase of said transformer windings through a different one of said reactor windings, and means responsive to the current flowing between each of said polyphase transformer windings and said interphase connection to vary simul-



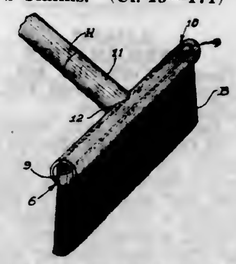
taneously the reactance of the reactor windings connected to the other polyphase transformer windings, thereby to compensate for unbalance in the currents flowing from said two polyphase transformer windings.

2,044,594
PUMP
Carl W. Scholfield, Guilford, Conn.
Application April 12, 1935, Serial No. 15,932
1 Claim. (Cl. 103—10)



A portable hand-pump designed and adapted for withdrawing water from water-closet bowls comprising: a pump-cylinder; a first automatic valve at the lower end of said cylinder a piston slidable in said cylinder and including a piston-head, and a piston-rod threadedly connected to said piston-head; said piston-head having a second automatic valve and said piston-rod being adapted to lock said second automatic valve closed by being rotated; the lower end of said cylinder below said first automatic valve being provided with an opening; and a tubular member adapted to be detachably secured in said opening and having an extension adapted to engage said first automatic valve and lock it open.

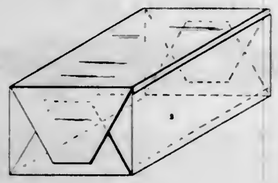
2,044,595
BRUSH
Lawrence R. Schumann, Brooklyn, N. Y., assignor to Star Brush Manufacturing Co. Inc., Long Island City, N. Y., a corporation of New York
Application May 24, 1935, Serial No. 23,295
2 Claims. (Cl. 15—171)



1. In a brush of the character described, including a relatively wide set of bristles, a band

encircling the bristles at one end thereof and united to said set of bristles, and forming therewith a brush head substantially rectangular in cross section, a holder for said united band and bristles in the nature of an open ended, substantially cylindrical tube having a channel therein, said tube having a slot in its wall from end to end and of a width substantially the same as the thickness of the set of bristles, the relative cross-sectional shape and size of said channel and encircling band being such as to provide line contact between the outer edges of said band and inner wall of the tube when the band is moved into and along the channel with the bristles projecting thru the slot, and with the edges of the holder along the slot gripping the band to firmly hold said band and bristles carried thereby in said holder against movement relative to the holder during use of the brush.

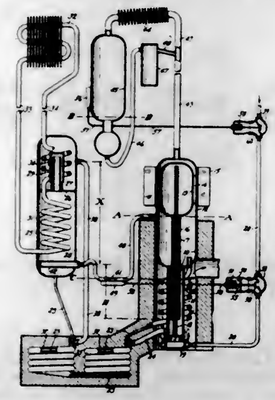
2,044,596
COCONUT OIL BASE MATERIAL PACKAGE
Charles E. Smith, New York, N. Y.
Application June 8, 1933, Serial No. 674,781
1 Claim. (Cl. 206—46)



The combination of a block of coconut oil base material adapted to shrink when exposed to the atmosphere, a wrapper for said block consisting of outer layers of paper and an intermediate layer of asphaltum uniting the two outer layers and providing a water proof composite sheet, the wrapper being folded upon itself to enclose the block of coconut oil base material and the end portions of the wrapper being folded against the ends of the block in overlapping folds, the portions of the wrapper contacting with each other being sealed against each other by sodium silicate, said sodium silicate sealing the wrapper and confining the vapors of the coconut oil base material to prevent reduction of the bulk and loss of placidity thereof.

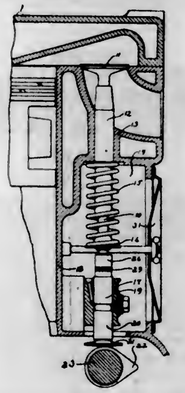
2,044,597
REFRIGERATION
Albert R. Thomas, Evansville, Ind., assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application January 29, 1934, Serial No. 708,800
28 Claims. (Cl. 62—118)

1. Absorption refrigerating apparatus of the kind having alternate periods of vapor expulsion from solution and absorption at different pressures comprising a vapor expulsion member, an absorption liquid storage reservoir situated generally higher than said member and connected thereto so as to hold liquid at a higher level than the free surface of liquid in said member, means to continuously cool said storage reservoir, and



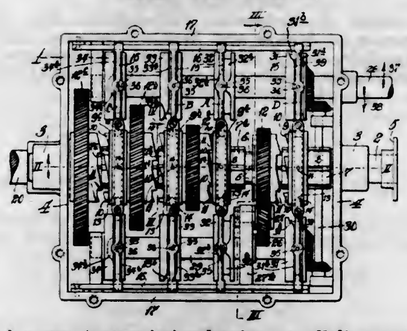
means to circulate absorption liquid between said member and said reservoir.

2,044,598
TAPPET
David A. Wallace, Detroit, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware
Application June 18, 1932, Serial No. 617,925
2 Claims. (Cl. 123—90)



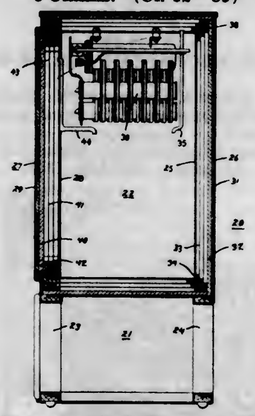
1. A tappet including a body part having a cam engaging portion at one end and having a passage formed in its opposite end, a valve engaging element having a neck slidably mounted in and freely removable from said passage and having a shoulder registering with the adjacent extremity of said body part, and removable washer-like shims mounted on the neck of said valve engaging element having openings for receiving said neck and disposed between said shoulder and said body portion comprising bowed resilient rings adapted to urge said valve engaging element in one direction and being contractible to their maximum extent within the range of movement of said element relative to said body part in the other direction so as to positively limit movement thereof in the latter direction.

2,044,599
POWER TRANSMISSION
George Weinreich, Oakville, and Robert H. Nickel, St. Louis, Mo.
Application April 11, 1932, Serial No. 604,476
1 Claim. (Cl. 74—337.5)



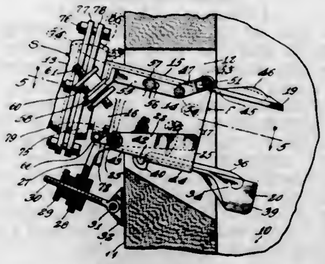
A power transmission having paralleling power and drive shafts and gears on said shafts in constant mesh, the gears on said power shaft being loosely mounted, a separate clutch member for each gear mounted on said power shaft, a separate shifting member for each clutch member, a horizontal guiding rail for the ends of all of said shifting members, a cam shaft paralleling said power and said drive shafts on each side thereof and having peripherally grooved cams thereon for separate cooperation with said shifting members, and geared means connecting said cam shafts.

2,044,600
REFRIGERATING APPARATUS
Harry M. Williams, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application July 3, 1931, Serial No. 548,612
6 Claims. (Cl. 62—89)



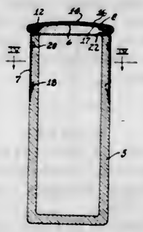
1. A refrigerator including a cabinet having inner and outer walls, a cooling unit supported within said cabinet, insulation between said inner and outer walls, said insulation comprising a plurality of spaced sheets of bright metallic foil, and means for preventing said foil from tarnishing including breathing means having connections with the spaces between said sheets for inhaling into said spaces only air dehydrated by said cooling unit.

2,044,601
FUEL DISTRIBUTOR
Howard P. Anderson, Erie, Pa., assignor to The Standard Stoker Company, Incorporated, a corporation of Delaware
Application April 22, 1932, Serial No. 606,870
14 Claims. (Cl. 110—101)



5. In combination, a furnace having a firing opening in a wall thereof, a stoker fuel distributor projecting into the furnace through said opening, said fuel distributor comprising a tube member having an arcuate top, a rearward tubular portion and a pair of parallel sidewalls forward of said tubular portion, a top deflector member at the forward end of said tube member, a frame member at the lower portion of the tube member pivotally attached to said parallel sidewalls for angular adjustment about a transversely extending axis, said frame member being provided with a fuel supporting surface, means for controlling the angular adjustment of said frame member, and a bottom deflector member detachably secured to said frame member.

2,044,602
CONTAINER AND CLOSURE DEVICE THEREFOR
Herbert A. Barnby, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application April 30, 1934, Serial No. 723,093
6 Claims. (Cl. 215—37)



3. The combination of a container, and a closure device therefor comprising a top cover portion and a depending skirt fitted over the upper portion of the side walls of the container, the latter formed with a vertically disposed recess in its outer surface, said skirt consisting of a strip of sheet material curved to conform to the shape of the container and having its ends united in a vertically disposed seam seated in said recess, the portion of said container surrounded by said skirt being flared downwardly and outwardly and of smaller exterior diameter than that of the adjoining portion therebeneath, said reduced portion providing a shoulder against which the lower edge of the skirt engages.

2,044,603
PROCESS OF MAKING HIGH VISCOSITY INDEX OILS

Harry T. Bennett, Tulsa, Okla., assignor to Mid-Continent Petroleum Corporation, Tulsa, Okla., a corporation of Delaware

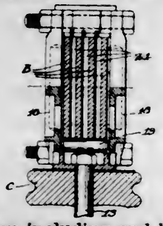
No Drawing. Application November 17, 1932, Serial No. 643,056
4 Claims. (Cl. 196—13)

1. In the art of making high viscosity index lubricating oils, the process of treating an oil having high and low viscosity index constituents, which comprises mixing said oil with a diluent and chlorinated ether to dissolve low viscosity index constituents of the diluted oil in the chlorinated ether, separating the mixture into a high viscosity index oil fraction and a low viscosity index chlorinated ether solution, and removing chlorinated ether from the separated constituents to produce a lubricating oil having a higher viscosity index than the original oil and a residual oil having a lower viscosity index.

2,044,604
BUS CLAMP

Elias S. Cornell, Chicago, Ill., and Henry D. Freitag, Long Island, and Philip Sporn, Brooklyn, N. Y.; said Cornell assignor to Delta-Star Electric Company, Chicago, Ill., a corporation of Illinois

Application August 1, 1931, Serial No. 554,432
6 Claims. (Cl. 173—251)

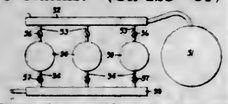


1. A bus clamp including end base members, a pair of side plates extending between said end base members, anti-friction roller recesses within said plates, anti-friction rollers positioned in said recesses, and clamping bolts extending both through said side plates and base members for holding said plates with said anti-friction rollers bearing against the sides of bus bars extending through said clamp.

2,044,605
TWO-CYCLE COMBUSTION ENGINE

Ernst Daiber, Lichterfelde-West, Germany, assignor to General Electric Company, a corporation of New York

Application January 7, 1932, Serial No. 585,365
In Germany January 17, 1931
6 Claims. (Cl. 123—59)

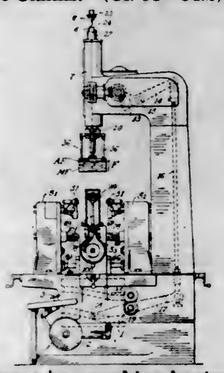


3. In combination with a two-cycle multi-cylinder combustion engine, a manifold, means for supplying air under periodically fluctuating pressure to the manifold including reciprocating pumping means driven from the engine, conduits for conveying scavenging air from the manifold to each of the cylinders, conduits for discharging air and burned gases from each of the cylinders, and valve means in at least one of these conduits for equally proportioning the conveying of air to the cylinders.

2,044,606
BOX MACHINE

Theodore A. Federwitz, Philadelphia, Pa., assignor to Stokes and Smith Company, Summerdale, Pa., a corporation of Pennsylvania

Application October 10, 1935, Serial No. 44,315
16 Claims. (Cl. 93—54.2)

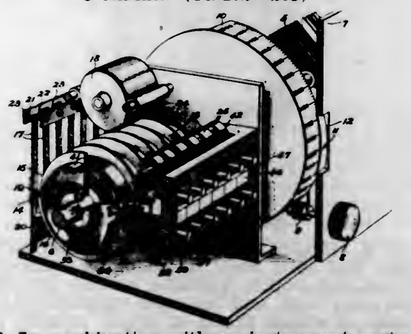


1. A box wrapping machine having an output materially in excess of twenty boxes per minute comprising form-block structure, mechanism including cam structure, for reciprocating said form-block structure, constructed to provide a period of accessibility of said form-block structure, for applying box structure thereto, of not less than about 40° of a total cycle of the machine, a plurality of wrapper-applying tools, and mechanism including cam structure constructed to complete the movements of said tools during a total period dissimultaneous with respect to the aforesaid period of accessibility of the form-block structure.

2,044,607
SELECTOR MECHANISM FOR AUTOMATIC TUNING

Charles R. Garrett, Collingswood, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application June 25, 1931, Serial No. 546,794
3 Claims. (Cl. 172—239)



3. In combination with an instrument control shaft, of means for electrically controlling said shaft whereby it is movable to a plurality of preselected positions of rotation, said means including a plurality of reversing switches, an electric motor controllable thereby and connected with said shaft, and a plurality of cams, one for operating each of said switches, each of said cams having a hub provided with plunger means for frictionally engaging the shaft, and a flange concentric with said hub, said flanges each having a notch, a plunger member arranged to engage each of said notches in locking engagement therewith following movement of the shaft to a predetermined position of rotation through energization of the motor means through the contactor controlled by the corresponding cam member, and means for independently rotating said shaft.

2,044,608
DIAPHRAGM FOR ELECTRICAL REPRODUCTION OF SOUND

Edward F. Harford, Wilmington, Del., assignor to Du Pont Viscoloid Company, Wilmington, Del., a corporation of Delaware

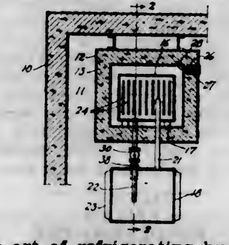
No Drawing. Application May 3, 1935, Serial No. 19,673
4 Claims. (Cl. 179—181)

1. A magnetic diaphragm for electrical reproduction of sound, said diaphragm being made of polymerized methyl methacrylate plastic having incorporated therein a comminuted magnetic metal.

2,044,609
REFRIGERATION

William Theodore Hedlund, Mount Vernon, N. Y., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware

Application January 12, 1929, Serial No. 332,162
22 Claims. (Cl. 62—91.5)



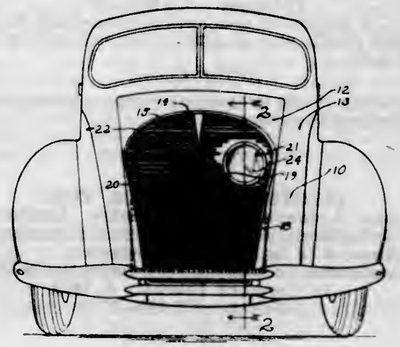
1. In the art of refrigerating by vaporization of solidified carbon dioxide, the improvement which consists in surrounding solidified carbon dioxide with walls so constructed and insulated as to prevent the obtaining of adequate refrigerating effect by movement of carbon dioxide vapor or conduction through said walls, and limiting the production of utilizable cooling effect by providing one or more limiting paths of flow for a separate vaporizable fluid and condensing said fluid in heat exchange relation with the solid carbon dioxide and evaporating said fluid in heat exchange relation with an object to be cooled in accordance with demand for refrigeration of said object, whereby said carbon dioxide is essentially prevented from productive cooling except through such path or paths.

2,044,610
VEHICLE

Alexander G. Herreshoff, Grosse Pointe Village, Mich., assignor to Chrysler Corporation, Detroit, Mich., a corporation of Delaware

Application March 7, 1934, Serial No. 714,426
3 Claims. (Cl. 180—54)

1. In a vehicle having a front end compartment provided with open forward end and top portions, a closure for said open front end and top portions movable to open position for permitting access to said compartment and having a grill comprising spaced ribs registering with said open end portion, a cooling system radiator in said compartment constructed and arranged to receive air

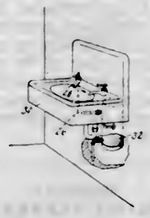


currents admitted through said grill, and a head lamp disposed in said compartment having a light outlet horizontally mis-aligned with said radiator and registering with said grill for projecting light rays directly forwardly through the spaces between said ribs.

2,044,611
AUTOMATIC WATER HEATER

Lee Wallis Hodges, Defiance, Ohio, assignor to Saturn Heater Corporation, Bryan, Ohio, a corporation of Ohio

Application April 11, 1932, Serial No. 604,557
4 Claims. (Cl. 219—39)



1. In an automatic water heater, a water tank, an inlet pipe connected with the bottom thereof, an outlet pipe connected with the top thereof, at least said outlet pipe extending horizontally from said tank, a heating element wound on said tank to heat the contents thereof when said heating element is energized, a thermostatic controller for said heating element extending downwardly into said tank from the top wall thereof, said thermostatic controller comprising a threaded fitting, a casing in water tight connection with said threaded fitting and depending therefrom, a temperature responsive element within said casing, and a switch connected therewith for operation thereby and electrically connected in circuit with said heating element, the top wall of said tank having a threaded boss for reception of said fitting.

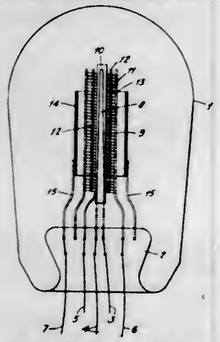
2,044,612
PLASTICIZER
Alphons O. Jaeger, Mount Lebanon, Pa., assignor, by mesne assignments, to American Cyanamid & Chemical Corporation, a corporation of Delaware
No Drawing. Application July 30, 1931, Serial No. 554,160
17 Claims. (Cl. 106—22)

1. A plasticized composition comprising an organic plastic and an ester of an acid having the formula

$$RCH_2R'COOH$$

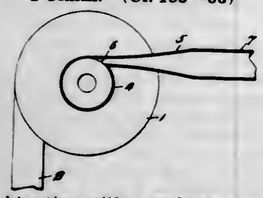
in which R and R' are both cyclic radicals with a monohydric alcohol.

2,044,613
ELECTRIC DISCHARGE TUBE
Johan Lodewyk Hendrik Jonker, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware
Application February 1, 1934, Serial No. 709,275
In Germany February 6, 1933
2 Claims. (Cl. 250—27.5)



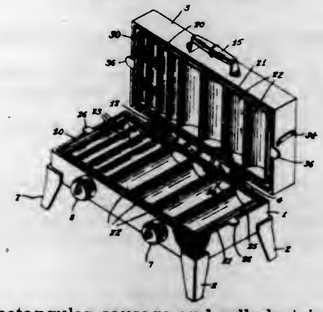
1. An electron discharge tube comprising a cathode having a base of lower heat radiation than nickel and an emissive layer applied to said base, a grid electrode surrounding the cathode, the grid electrode having turns of wire of a thickness of the order of 50 microns whereby it is incapable of absorbing sufficient heat from the low heat radiating cathode to permit it to emit electrons, and an additional electrode surrounding the grid.

2,044,614
CYCLONE SEPARATOR
Joseph H. Keenan, Medford, Mass., assignor to Jabez Burns & Sons, Inc., New York, N. Y., a corporation of New York
Original application August 30, 1933, Serial No. 687,401. Divided and this application January 16, 1936, Serial No. 59,334
1 Claim. (Cl. 183—83)



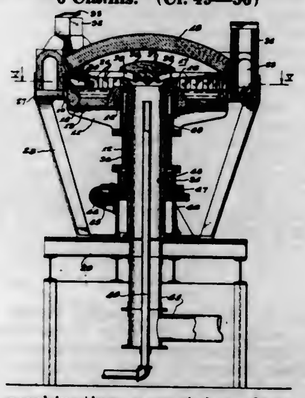
The combination with a cyclone separator having a cylindrical separating chamber, a tangential inlet passage therefor, and a central axial discharge pipe, of a tangential discharge passage for said discharge pipe, said discharge passage having an inlet area smaller than that of said inlet passage and gradually increasing in cross-sectional area in the direction of air flow to its terminus.

2,044,615
COMBINED ROLL AND FRANKFURT ELECTRIC TOASTING DEVICE
Charles E. Kennedy, Lakeville, Mass.
Application June 4, 1934, Serial No. 728,943
1 Claim. (Cl. 219—19)



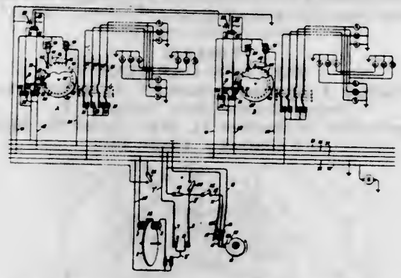
A rectangular sausage and roll electrical heating apparatus of the kind described, constructed and arranged to heat simultaneously, or selectively, a plurality of rolls and a corresponding plurality of sausages, comprising a base member having electrical heating devices therein, a top member cooperating therewith and having corresponding electrical heating devices cooperating with the base member, a series of cooperating roll-receiving semi-cylindrical recesses in one portion of said top and base members, a corresponding series of different sized semi-cylindrical sausage-receiving recesses in the remaining portion of said top and base members, and means controlling the heat for either sausage cooking, roll cooking, or for cooking both simultaneously.

2,044,616
REVOLVING POT
Clarence C. Kinker, Alton, Ill., assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application November 27, 1933, Serial No. 699,818
6 Claims. (Cl. 49—56)



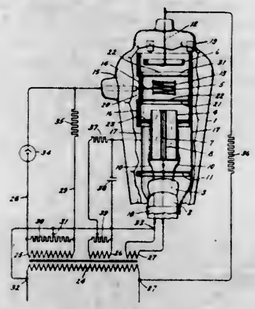
1. In combination, a container for a body of molten glass mounted for rotation about a vertical axis, means for delivering molten glass to the container, a cover formed to enclose a major portion of the glass in the container and create an exposed gathering area from which mold charges may be obtained, said cover including a horizontal flue extending partially around its periphery, stacks connected to said flue, and ports providing communication between said flue and the space between the cover and container.

2,044,617
TRAFFIC SIGNALING SYSTEM
Vincent W. Leonard, Fort Wayne, Ind., assignor to General Electric Company, a corporation of New York
Application January 6, 1930, Serial No. 418,805
11 Claims. (Cl. 177—339)



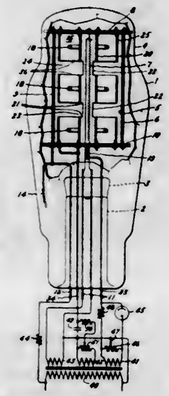
1. In combination, a plurality of circuit controllers, signals operated by each circuit controller in predetermined sequence, means for continuously operating said circuit controllers, means for synchronizing said circuit controllers including a plurality of synchronizing circuits connected to the said controller operating means, each synchronizing circuit being adapted to maintain the circuit controllers in a different timed relation relatively to each other, and means for rendering any one of said synchronizing circuits operative.

2,044,618
ELECTROSTATICALLY CONTROLLED ARC DISCHARGE DEVICE
Orrin W. Livingston, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application December 29, 1933, Serial No. 704,503
24 Claims. (Cl. 250—27.5)



8. An electron discharge device including the combination of a cathode coated with electronically active material, an anode, an interposed control member and an ionizable medium having a pressure under operating conditions sufficient to support an arc-like discharge between the cathode and anode at the impressed voltages, a baffle between the control member and cathode for shielding said member from heat radiation and sputtering effects at the cathode, a baffle between the control member and the anode for shielding said member from heat radiation and electrostatic effects at the anode, said baffles consisting of sheet metal members provided with openings to leave strips of metal, said openings being of relatively small size compared to the size of the respective baffles in order to constrain the arc to a well-defined stream of relatively small cross-section under operating conditions, and a control member of correspondingly small size mounted adjacent each of said openings for controlling the localized arc stream.

2,044,619
DOUBLE SHIELDED GRID CONSTRUCTION
Orrin W. Livingston, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application April 23, 1935, Serial No. 17,765
8 Claims. (Cl. 250—27.5)

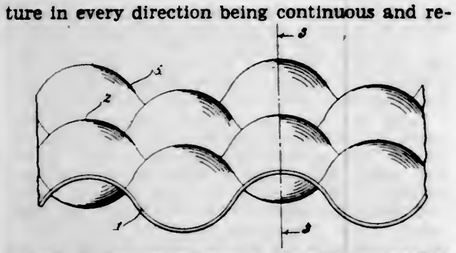


1. In an electric discharge tube containing an ionizing medium, a substantially cylindrical discharge receiving electrode, a second substantially cylindrical electrode electrostatically effective to control initiation of a discharge to said discharge receiving electrode, one of said electrodes surrounding the other, and a sheet metal cylinder between said electrodes having punched-out sections therein, the imperforate portions of said cylinder being of greater area than said second electrode and positioned to intercept a projection of the same on said discharge receiving electrode.

2,044,620
REFLECTOR
William Howard Matthai, Garrison, Md., assignor to Homeland Mfg. Co., Inc., a corporation of Maryland
Application March 8, 1935, Serial No. 9,970
2 Claims. (Cl. 88—78)

1. An opaque reflecting plate comprising substantially spherically curved alternating concavities and convexities arranged in series transversely disposed each as to the other, the curva-

ture in every direction being continuous and reversed in correspondence with said concavities and convexities.

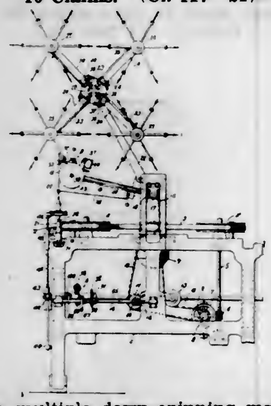


2,044,621

SILK THROWING AND QUILL OR COP FORMING PROCESS AND APPARATUS

Joseph P. McHugh, Scranton, Pa., assignor to General Patents Corp., New York, N. Y., a corporation of New York

Application June 6, 1933, Serial No. 674,568
10 Claims. (Cl. 117—21)



6. In a multiple down-spinning machine, the combination of a plurality of units each embracing means for doubling a plurality of individual strands of lustrous silk, means for feeding the resultant doubled thread to a down-spinner at such a rate as to impart the entire twist required to fully throw the yarn in a single spinning step, means for winding the spun yarn directly on headless packages so formed as to directly enter fabric forming machinery, stop motion means for interrupting the formation of any given package upon breaking any single end supplied thereto, and means associated with said package forming means permitting the resuming of winding of any package at any time during formation thereof without varying the final form of the package, whereby yarn is packaged, ready to enter the fabric forming machinery, in a single spinning step.

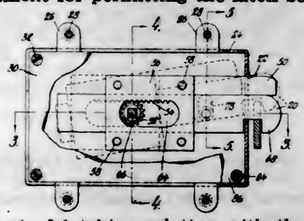
2,044,622

DOORLATCH

Anthony Michauka, Chicago, Ill.

Application July 15, 1935, Serial No. 31,470
5 Claims. (Cl. 70—29)

1. In a door latch, a supporting structure including an abutment, a latch bolt pivotally mounted upon said supporting structure, a latch element slidably associated with the latch bolt, and key operated means for shifting the latch element to a position between the latch bolt and said abutment, for holding the latch bolt in operative relation with a keeper plate, said latch element being retractable to a position free of the abutment for permitting the latch bolt to be



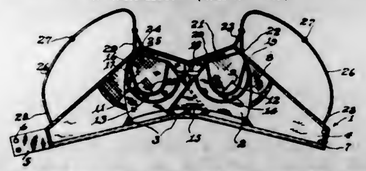
shifted out of latching relation with the keeper plate, said latch bolt being so balanced with the latch element in its retracted position as to swing away from the keeper plate.

2,044,623

WOMAN'S GARMENT

Patrick J. Moran, Newark, N. J., assignor to Irving Rosner, New York, N. Y.

Application September 17, 1935, Serial No. 40,966
5 Claims. (Cl. 2—42)



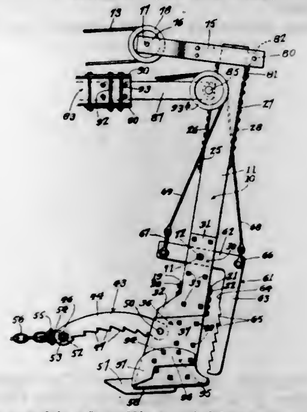
5. In a garment of the class described, a pouch portion, said pouch portion including two pockets, each of said pockets including two wall members left open at the top, the upper edges of both of said wall members cut substantially on the same curvature, the edge of one of the wall members arranged on a higher elevation than the curvature of the other wall member, and means for attaching said pockets together.

2,044,624

COMBINED PULLING, PICKING-UP, AND TRANSPORTING ATTACHMENT FOR EXCAVATORS

Walter D. Morgan, Ladysmith, Wis.

Application September 27, 1935, Serial No. 42,531
7 Claims. (Cl. 214—138)



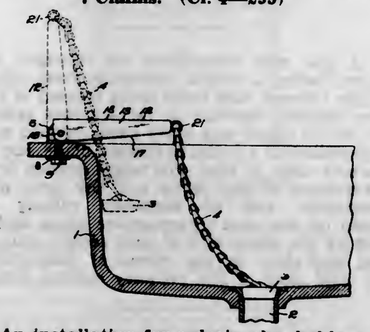
1. A combined pulling, picking-up and transporting attachment for excavators, comprising a shiftable pivotally suspended standard, digger teeth anchored to, arranged at, depending from and extended forwardly from the bottom of the standard, a pull element pivoted at the inner end to and extended forwardly from the standard, said element having a toothed bottom, a pull member attached to the outer end of said element, and an upper coupling structure secured to the upper portion of the standard for connecting a shifting cable to the latter.

2,044,625

INSTALLATION FOR DRAIN PLUGS AND DRAIN PLUG ELEVATING MEMBERS

Howard J. Murphy, Greenwood, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts

Application March 22, 1935, Serial No. 12,347
7 Claims. (Cl. 4—295)



1. An installation for a drain plug holder comprising, in combination, a sink having a drain hole, a drain stopper to fit said drain hole, a toggle-operated drain stopper elevating member mounted in operating position relative to said drain hole, and means connecting said elevating member to said drain stopper.

2,044,626

METHOD OF CONCENTRATING LATEX

Johan Ernst Nyrop, Copenhagen, Denmark

No Drawing. Application November 10, 1934, Serial No. 752,531. In Denmark November 11, 1933

2 Claims. (Cl. 18—50)

1. In a continuous latex concentrating process in which normal latex and concentrated skimmed latex are separated in a centrifuge to produce latex cream of high rubber content, and skimmed latex; the step of evaporating the skimmed latex continuously as it is discharged from said centrifuge to produce the aforesaid concentrated skimmed latex, continuously mixing this concentrated skimmed latex with the aforesaid normal latex, and continuously separating such mixture in said centrifuge.

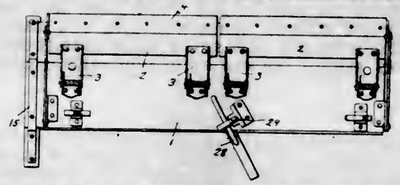
2,044,627

MECHANICAL PINNING DEVICE

William F. Ortiz, San Francisco, Calif.

Application May 7, 1935, Serial No. 20,301
Renewed March 17, 1936
4 Claims. (Cl. 223—110)

1. A device of the class described comprising a beam, a bar, spring hinges connecting the bar in spaced relation to the beam, a pin carrying bar, hinges connecting the same to the first mentioned bar, the hinges being connected to the lower faces of the two bars, a handle for swinging the first mentioned bar upon its hinges and means for



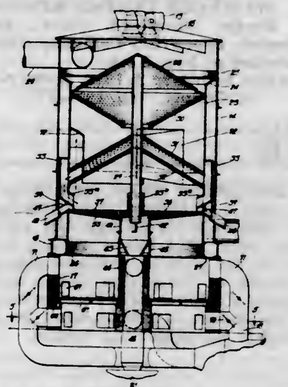
swinging the pin carrying bar downwardly to place the pins against the first mentioned bar as the first mentioned bar is swung upwardly.

2,044,628

TREATING COAL, ORE, GRAIN, AND SIMILAR MATERIALS

Edward O'Toole, Gary, W. Va.

Application April 22, 1933, Serial No. 667,313
2 Claims. (Cl. 34—38)



1. An apparatus for treating material in the form of a damp mass of grains or particles including in combination a closed casing through the top of which the material is admitted, a succession of perforated inclined drying plates within said casing over and through which the material passes downward and is spread out and exposed in separated small particles, a cleaner to which the material passes from said plates and means for passing heated air in a continuous stream through said cleaner and said succession of plates to dry and heat the material, said plates and cleaner being carried fixedly by an inner casing lying within the closed casing, the inner casing being open only at the upper and lower ends and being connected by substantially tight flexible connections to the outer casing and means for giving a jigging motion to the inner casing.

2,044,629

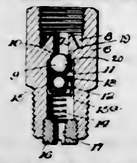
CHECK VALVE FOR FLUID PRESSURE PIPES

Arthur L. Parker, Cleveland, Ohio

Application June 4, 1934, Serial No. 729,005
4 Claims. (Cl. 277—42)

1. A check valve for a fluid dispensing system comprising a casing having an inlet adapted to be subjected to fluid under pressure and an outlet adapted to be subjected to a suction pull, said casing having a passage joining said inlet and said outlet, spaced valve seats of different areas

arranged in said passage, the larger of said valve seats being located adjacent the inlet, a valve member for each of said valve seats, said valve members directly contacting with one another and moving as a unit, and a single spring bearing solely against the smaller of said valve members



for holding both of said valve members seated against a suction pull on said outlet, the fluid under pressure on the larger valve member at the inlet operating to unseat both of said valve members to permit the flow of fluid through said valve casing.

2,044,630

MANIFOLD INKING RIBBON

Joseph Phelps, Stamford, Conn., assignor to Remington Typewriter Company, Ilion, N. Y., a corporation of New York

Application February 2, 1932, Serial No. 590,392

6 Claims. (Cl. 197—172)



1. A manifolding ribbon comprising an inking ribbon, and a shielding strip attached thereto only at intervals throughout the extent of the shielding strip, said inking ribbon being folded on itself at the ends thereof and attached to the body portion of the inking ribbon and over the intervening shielding strip thus forming loops by which the manifold ribbon may be detachably connected to its supporting means.

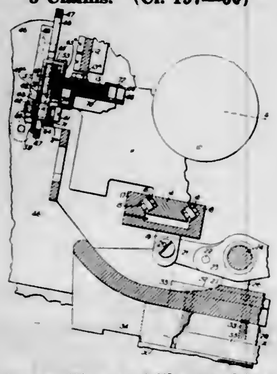
2,044,631

TYPEWRITING MACHINE

Joseph Phelps, Herkimer, N. Y., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware

Application January 31, 1934, Serial No. 709,179

8 Claims. (Cl. 197—60)



2. In a typewriting and like machine, the combination of a carriage that has a two-way movement, one being a case shifting movement and the other a traveling movement, a platen carried by said carriage, a fixedly held support that extends up in the rear of the platen and back of the printing center to resist the thrust of the type bars against the platen, an anti-friction roller carrier that is shiftable with the carriage in the case shifting movements thereof but relatively to which the carriage is movable in the direction of its travel, and anti-friction rollers carried by said carrier and bearing against said support to afford an easy case shifting movement of the carriage relatively to said support.

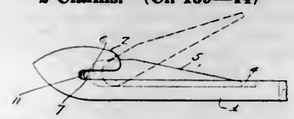
2,044,632

DETACHABLE CUTTER BLADE PILE WIRE

Oliver J. Pickard, Philadelphia, Pa.

Application February 9, 1934, Serial No. 710,576

2 Claims. (Cl. 139—44)



1. A pile wire comprising an enlarged head portion having a recess extending from the inner side thereof, said head being formed of three plates secured together in face-to-face relation, slots in the upper and lower edges of said recess for reception of a primary cutting blade, the bottoms and sides of said slots being defined by the intermediate of said plates and the outer plates respectively, and an auxiliary cutting edge formed on the said intermediate plate and exposed at the inner end of said recess, said edge being operative in the event of displacement from said slots of the primary cutting blade.

2,044,633

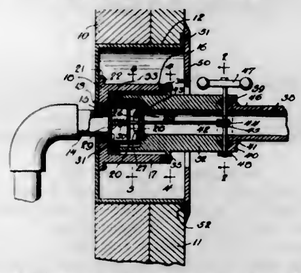
WALL OUTLET

Bernard T. Poor, Fall River, Mass.

Application August 15, 1933, Serial No. 685,263

Renewed April 27, 1936

1 Claim. (Cl. 251—156)



The combination of a supply pipe, a fitting operatively attached thereto, the fitting including inner and outer cylindrical walls providing an annular space and an end wall extending between said cylindrical walls, a packing ring disposed in said space and located against said end wall, the inner cylindrical wall constituting a valve cage communicating at one end with the pipe and having at its other end an inwardly extending flange forming a valve seat, a valve in said cage, means normally urging said valve against said seat, and a longitudinally bored connecting plug having one end adapted for connection to an outlet line and the other end extending into the annular space between said cylindrical walls, means disposed intermediate the ends of said plug and at the end of the outer cylindrical wall, respectively, for detachably securing the plug to the fitting in such manner that said other end

of the plug extends into said annular space a sufficient distance as to seat in leak-tight relation against the packing ring, and means carried by said plug for unseating the valve.

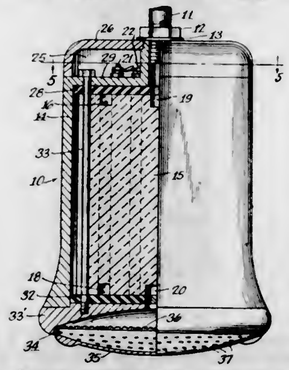
2,044,634

ELECTRIC LIQUID HEATER

William Rieder, Lebanon, Ill.

Application October 24, 1935, Serial No. 46,577

7 Claims. (Cl. 219—39)



1. An electric liquid heater comprising a shell, an insulation core within said shell, a tortuous continuous channel extending thru said core within said shell, said channel comprising a plurality of vertical passages extending through said insulation core and a plurality of grooves at the top and bottom of said core connecting said passages together in a continuous channel, insulation washer means at the top and bottom of said core closing said grooves to form parts of said continuous channel, a bottom cover holding said core and insulation washer means in said shell, a liquid inlet and outlet to said channel extending thru said insulation washer means and said bottom cover and an electric heating element in said channel heating the liquid as it passes therethru from inlet to the outlet.

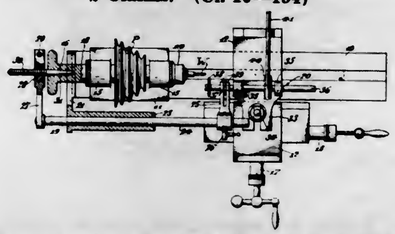
2,044,635

SCREW CUTTING ATTACHMENT FOR LATHES

Hubert Riester, Collingswood, N. J.

Application June 19, 1934, Serial No. 731,365

2 Claims. (Cl. 10—154)



1. In a lathe, a live spindle having chucking means at opposite ends thereof, a cutter bearing shaft axially paralleling the spindle at one end thereof and mounted for rotation and axial reciprocation, means to rotate the shaft and means to reciprocate said shaft including complementally threaded elements one of which is engaged in the chuck at the opposite end of the spindle and the other of which is connected to the shaft, the connections between said other threaded element and the shaft comprising a clamp engaging said other element, a rod connected to the clamp and a shifting fork carried by said rod and engaging the shaft, said shifting fork being rotatably and longitudinally adjustable upon said rod.

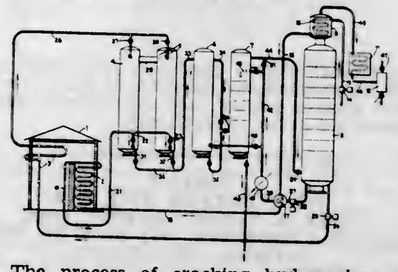
2,044,636

ART OF CONVERTING HYDROCARBON OILS

Joseph K. Roberts, Hammond, Ind., assignor to Standard Oil Company (Indiana), Chicago, Ill., a corporation of Indiana

Application May 31, 1933, Serial No. 673,613

3 Claims. (Cl. 196—58)



1. The process of cracking hydrocarbon oil that comprises passing fresh charging stock through a heating coil and heating it therein to a cracking temperature under superatmospheric pressure to subject it to a moderate rate of cracking per pass, passing cycle condensate through a separate heating coil and heating it therein under superatmospheric pressure to a higher cracking temperature under conditions to subject said cycle condensate to a higher rate of cracking per pass so that it is more extensively cracked than said fresh charging stock in said first named heating coil, directing the highly heated extensively cracked cycle condensate to an upper portion of an enlarged reaction chamber maintained at cracking temperature wherein cracking is continued on the cycle condensate products flowing downwardly therein, introducing the lower temperature less extensively cracked fresh charging stock at cracking temperature into the bottom portion of said enlarged reaction chamber near the outlet thereof and into contact with the higher temperature products of reaction of the cycle condensate, immediately thereafter withdrawing the commingled products comprising vaporous and liquid products undergoing reaction from the bottom of the enlarged reaction chamber at a rate adequate to prevent the accumulation of liquid therein, passing the withdrawn products into another enlarged reaction chamber maintained at cracking temperature under superatmospheric pressure wherein cracking is continued, removing products of reaction from the latter enlarged reaction chamber and fractionating them to form the aforesaid cycle condensate and the desired distillate product.

2,044,637

BUILDING CONSTRUCTION

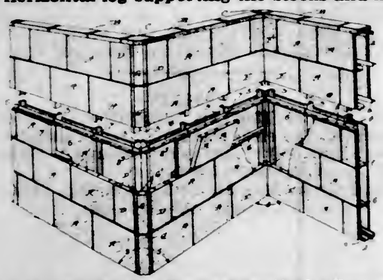
David E. Ross, La Fayette, Ind., assignor to Rostone, Incorporated, La Fayette, Ind., a corporation of Indiana

Original application February 4, 1935, Serial No. 4,963. Divided and this application November 29, 1935, Serial No. 52,225

4 Claims. (Cl. 72—19)

1. For a wall structure having a frame, a prefabricated wall block supporting track substan-

tially L-shape in cross-section and having prepunched holes in its vertical frame engaging leg; the horizontal leg supporting the blocks and having a longitudinally disposed vertical offset portion for determining the width of the horizontal joint between courses; said offset portion having spaced pre-drilled holes therein.



2,044,638
DROP BOTTOM MINE CAR
Hugh W. Sanford, Knoxville, Tenn.
Application December 8, 1931, Serial No. 579,763
38 Claims. (Cl. 105—253)

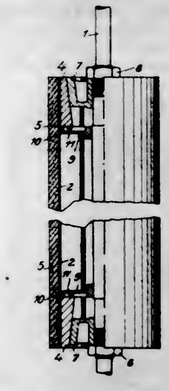


1. In a dumping car, the combination of side sills, an axle above the horizontal plane of the bottoms of the side sills, forward and rearward drop bottom dumping doors, the forward door normally having an open space at the rear end thereof when closed but unlatched, a pivotal support for the rearward door below the center of the axle and above the lower edge of the side sills, hinging means for the forward door protected by and disposed above the lowest portion of the side sills, a latch for the forward door and actuated by movement of the rearward door, said latch extending from side to side of said forward door and closing the space at the rear edge thereof, and means for compounding the action between the rearward and forward doors for causing dropping of the forward door before the rearward door has dropped through an angle of approximately twelve degrees.

2,044,639
PROCESS OF PACKAGING NUT MEATS
Julius L. Schneider, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
No Drawing. Application June 17, 1932, Serial No. 617,919
2 Claims. (Cl. 99—8)

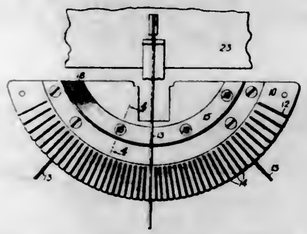
1. Process of packaging nut meats consisting in placing the shelled nut meats in a chamber in bulk and subjecting said nut meats to a high vacuum from one to three hours or more to remove substantially all of the gases from the cells or cellular spaces of the nut meats, relieving the vacuum with an inert gas, and subsequently removing the nut meats from said chamber and immediately sealing the same in metal containers in an atmosphere substantially free from oxygen.

2,044,640
PRESSING OR TREATMENT ROLLER
Fritz Schuster, Chemnitz, Germany
Application October 23, 1934, Serial No. 749,684
In Germany November 25, 1933
4 Claims. (Cl. 68—33)



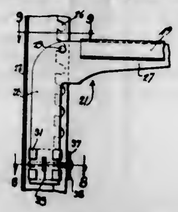
1. In a pressing or treatment roller, a shaft, a roller jacket mounted on the said shaft and comprising a plurality of sections, wedge-like segments the inner faces of which are flat and inclined to the axis of said shaft mounted on the inner faces of the said sections towards either end of the said jacket, members having flat outer faces, and on the said shaft adapted to engage with the inclined faces of the said segments, an outer covering about the said jacket, and means for pressing the said members on the said shaft against the said segments for the purpose of forcing the said sections apart into close contact with the said covering.

2,044,641
TYPE BAR SEGMENT AND ANVIL
Herbert C. Shepard, Frankfort, N. Y., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application February 12, 1934, Serial No. 710,953
5 Claims. (Cl. 197—163)



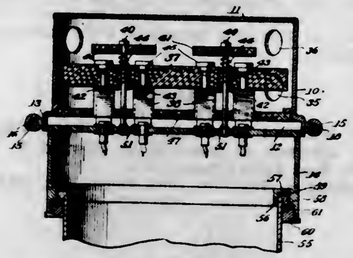
1. A type bar segment and anvil for typewriting and like machines comprising a slotted type bar segment of cast iron having a seat therein for the type bar pivot wire and tapped openings that extend through said segment, and a hardened tool steel anvil firmly secured throughout its extent to the front face of the segment by screws of hardened tool steel that are received in said tapped openings, the front contact face of said anvil and any extending portions of the screws being ground down an appropriate amount to accord with the position of the type bar pivot wire in said seat.

2,044,642
ADJUSTABLE SHELVING BRACKET
Walter L. Slater, Watsonville, Calif., assignor to Slater Shelving System, a corporation of California
Application March 21, 1934, Serial No. 716,716
8 Claims. (Cl. 248—243)



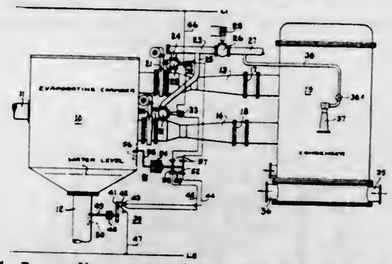
1. In an adjustable shelving bracket, an upright channel support, a bracket having a horizontal arm and a vertical limb, a pin and notch connection between the angle portion of the bracket and the forward side of the upright support, the vertical limb disposed inwardly of the upright channel support, and means associated with the lower end of the vertical limb and upright support for tilting the bracket on its pin and notch support for presenting the horizontal arm of the bracket in the desired plane, the tilting means including a screw carried by the vertical limb within the channel support and the head of said screw projecting exteriorly of the channel support for contact with the outer face thereof.

2,044,643
ELECTRICITY SERVICE METER
Clifford E. Sloop, Columbus, Ga.
Application January 23, 1933, Serial No. 653,212
Renewed July 12, 1935
19 Claims. (Cl. 247—2)



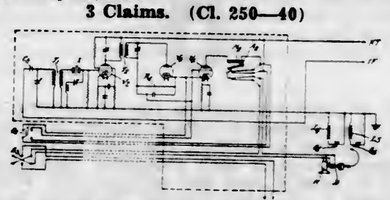
12. In a metering device, a terminal case having input and output connections, a meter case having a metering mechanism fitted upon the terminal case, corresponding input and output connections carried by said meter case, means for detachably connecting said meter case on the terminal case with the connections of the meter case engaging respectively the corresponding connections of the terminal case, means confined within the latter and controlled by said meter case for connecting the input connections directly with the output connections in the terminal case upon detachment of said meter case from the said terminal case.

2,044,644
COOLING APPARATUS
Ernest F. Stalcup, Rutledge, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application August 10, 1934, Serial No. 739,216
11 Claims. (Cl. 62—152)



1. In cooling apparatus, the combination of an evaporating chamber for receiving liquid to be partially evaporated and cooled, ejecting means for withdrawing vapor from said chamber, and means responsive to a predetermined maximum temperature within said chamber for rendering said ejecting means ineffective to withdraw vapor from the chamber.

2,044,645
RADIO RECEIVING SYSTEM
Arthur William Stapleton and Rodney Herbert Hatfield, London, England
Application January 23, 1935, Serial No. 2,982. Renewed November 20, 1935. In Great Britain January 13, 1934
3 Claims. (Cl. 250—40)

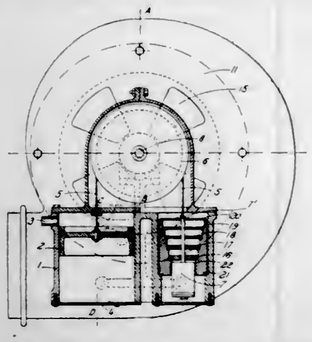


3. In a radio receiving system, tuning means, means for progressively moving said tuning means to tune said system, means responsive to an incoming signal, when the system is in tune, to stop the motion of the tuning means, said stopping means including a thermionic tube, a relay connected in the plate circuit thereof, and means for impressing on the grid of said tube a voltage derived from the incoming signal, and means, operable at any time at the will of the operator, for causing said relay to restart the motion of said tuning means, said last mentioned means including manual means for altering the voltage impressed on said grid.

2,044,646
FLOW CONTROL MECHANISM
Charles Marie Stein, Paris, France, assignor to Société Anonyme: Fours et Appareils Stein, Paris, France, a corporation of France
Application October 18, 1933, Serial No. 694,136
In France January 3, 1933
3 Claims. (Cl. 137—153)

1. A flow control mechanism comprising a casing, a shaft rotatable in said casing, a flow control member carried by said shaft, a pair of cyl-

inders supported by said casing and arranged side by side, one of said cylinders having communication at one end with a point of variable pressure and communicating at its opposite end with the atmosphere, a counterweight guided in



the other cylinder, a connection between said counterweight and said piston connected with said shaft whereby the latter is actuated incident to changes in the relative positions of said piston and counterweight.

2,044,647
HANGER FOR GAS METERS
Charles W. Stevens, Bexley, Ohio
Application September 23, 1932, Serial No. 634,488
5 Claims. (Cl. 285—3)



1. In a meter connection, the combination of a rigid bar adapted to extend substantially horizontally and provided at the ends thereof with transverse sockets each contracted at its lower end to form a stop and each of said sockets forming a one piece bearing extending transversely therethrough, a pair of sleeve members shaped to fit in said sockets, the lower contracted end thereof limiting the upward movement of said bar onto said sleeve members and said sleeve members provided with screw threads whereby they may be connected to the ends of a pair of gas pipes and the bar connected therewith by shifting the bar towards the gas pipes, means for holding said members against axial displacement with respect to the bar after insertion into the sockets, and coupling nipples connected to and depending from the sleeve members and provided with means at the lower ends thereof for connection to the tubes of the meter.

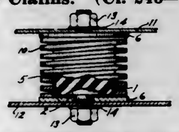
2,044,648
SIDEWALL FORMATION SAMPLER
Harry F. Stevens, Bartlesville, Okla.
Application August 2, 1934, Serial No. 738,115
13 Claims. (Cl. 255—1)

1. In a device of the class described, the combination of a carrier member having a pass, a tool capable of free bodily movement longitudinally in said pass, a sampling head carried at the outer end of said tool, a tool engaging head having a slot to permit lateral shifting of said tool connected therewith and movable relative to



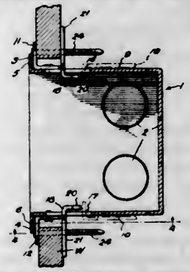
said carrier member positively to move said tool longitudinally in said pass.

2,044,649
ENGINE MOUNTING
Benjamin A. Swennes, Rockford, Ill., and Rolland S. Trott, Denver, Colo.; said Swennes assignor to said Trott
Application January 21, 1933, Serial No. 652,894
16 Claims. (Cl. 248—7)



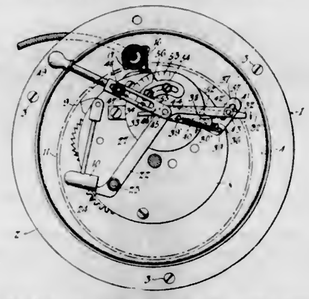
1. A weight supporting mounting for an engine unit having a tendency to oscillatory movement during operation about a longitudinal axis, comprising two end members and two resilient members between the end members, one of said resilient members being metallic and the other being non-metallic, the non-metallic resilient member being fixed to the end members and limiting the extension of the metallic resilient member, each of said resilient members acting directly on the end members independently of the other.

2,044,650
JUNCTION BOX
Henry Redfield Thompson, East Falls Church, Va., assignor of one-half to Edward T. Fenwick, East Falls Church, Va.
Application July 20, 1935, Serial No. 32,457
6 Claims. (Cl. 247—21)



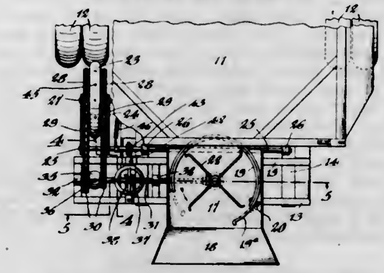
1. A junction box having securing plates adjustable toward and from the front edge of said box on opposite end walls thereof, said walls being provided with slots extending substantially at right angles to said edge, clamping plates slidable on said walls along said slots toward and from said securing plates, and means extending through said securing plates for adjusting said clamping plates toward said securing plates.

2,044,651
THERMOSTATIC FIRE ALARM
Frank H. Wainman, Brooklyn, and John Hamberger, New York, N. Y., assignors of thirty-five per cent to Charles J. Hauk, Jr., thirty per cent to said Wainman, and thirty-five per cent to said Hamberger
Application December 18, 1934, Serial No. 758,100
10 Claims. (Cl. 116—102)



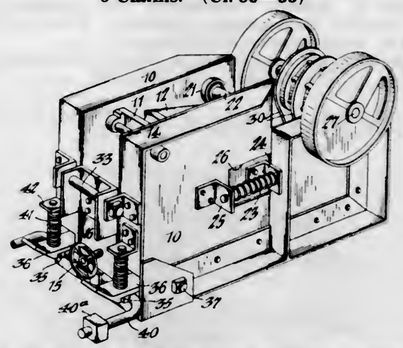
1. A device of the character described, comprising an alarm device including a sounding member and mechanism for causing said sounding member to function, a member for normally holding said mechanism from functioning, a protected thermostat, an exposed thermostat, and means actuated by the exposed thermostat against the protected thermostat for moving said member for releasing said mechanism.

2,044,652
SAND SPREADING APPARATUS
Norman L. Walker, Lewiston, N. Y.
Application March 27, 1935, Serial No. 13,293
8 Claims. (Cl. 275—8)



1. In combination with the chassis frame of a vehicle, of a sand spreading unit for distributing sand or like material on a roadway, comprising a supporting structure adapted for attachment to the chassis frame, a hopper mounted thereon having a radial opening and a discharge chute leading therefrom, said hopper including relatively adjustable walls to provide a predetermined radial position of the hopper-opening, a revolving feed member for directing the material from said hopper to the discharge chute, and means in driving engagement with one of the wheels of the vehicle for revolving said feed member.

2,044,653
CRUSHER
William L. Wettlaufer, Buffalo, N. Y., assignor to The W. S. Tyler Company, Cleveland, Ohio, a corporation of Ohio
Application January 13, 1934, Serial No. 706,512
5 Claims. (Cl. 83—53)



1. In a crusher, a crushing element mounted for displacement to a released position, and means for releasably retaining said element in a normally fixed position, said means including a shiftable member having a part in operative engagement with said crushing element, a latch movably mounted on a fixed support, and means on said shiftable member arranged to engage said latch and yieldably secure said shiftable member in its crushing element retaining position, said latch-engaging means being displaceable from the latch to release said shiftable member and said crushing element when an abnormal pressure is exerted on the latter.

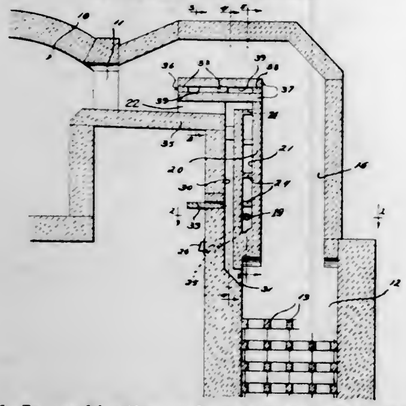
2,044,654
PNEUMATIC WHEEL
Milo O. Whited, near Centralia, Wash.
Application October 1, 1935, Serial No. 43,121
7 Claims. (Cl. 152—29)



1. In a pneumatic wheel, a circular hollow casing having spaced side walls and a central opening, a pair of inner plates having the central part of the casing therebetween, one of said plates having a portion extending thru said open-

ing and secured to the other plate, a pair of outer plates having the inner plates and tire therebetween and secured thereto at the center of the wheel, one of said outer plates having a hub extending through the extended portion of the said one of the first plates, and a valve stem carried by the casing and extending thru an adjacent two of the inner and outer plates.

2,044,655
FURNACE PORT
John N. Wilson, Washington, Pa., assignor to Simplex Engineering Company, Washington, Pa., a corporation of Delaware
Application June 21, 1934, Serial No. 731,688
14 Claims. (Cl. 263—15)



1. In combination, a furnace port, a fuel supply passage having an upwardly extending portion and a portion extending angularly thereto for supplying fuel to said furnace port, and an air supply passage arranged to discharge into the angularly extending portion of the fuel supply passage at a point remote from the discharge end thereof, said air supply passage constituting a slag outlet for preventing flow of slag into the upwardly extending portion of the fuel supply passage.

2,044,656
TONGS
Sherman Wright, Forest, Ind., assignor of one-half to Jacob Shoemaker, Frankfort, Ind.
Application November 27, 1935, Serial No. 51,915
1 Claim. (Cl. 294—28)



In tongs of the character described, a pair of straight levers pivoted to each other intermediate of their ends, lateral outwardly diverging portions formed with said levers and having reversely disposed laterally extending outwardly curved jaws to lie inwardly of said portions for gripping contact with a closure of a receptacle when located between said jaws, the portions next to the jaws being cut away to provide clearances located next to the inner edges of the jaws for accommodating the said closure, a spring connected to one lever at one side of the pivot and to the other lever at the other side of said pivot for urging the jaws apart, a set screw carried by one lever adjacent to one of the said portions, and a slotted slide plate fitting said set screw and having an abutment ear in the path of the other lever for contact therewith to limit the separation of the jaws under the action of the spring.

2,044,657
WELL APPARATUS
Karl E. Young, Houston, Tex.
Application February 6, 1933, Serial No. 655,322
3 Claims. (Cl. 166—1)

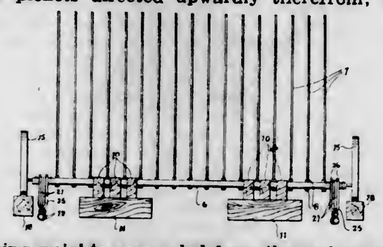


1. Well apparatus including: an outer pipe having a screen; an inner pipe having a screen; the total area of the openings in said inner pipe screen being less than the total area of the openings in said outer pipe screen; some of the openings in said outer pipe screen being above the openings in said inner pipe screen; a packing between said outer pipe screen and said inner pipe immediately above the openings in said inner pipe screen and below some of the openings in said outer pipe screen; a tubing within said inner pipe and having an opening below some of the openings of said inner pipe screen; a valve between said tubing and the exterior of said well; a valve between the exterior of said well and the space between said tubing and said inner pipe; and a valve between the exterior of said well and the space between said inner pipe and said outer pipe.

2,044,658
GATE
Archie Lewis Abbey, Flagstone, British Columbia, Canada
Application March 7, 1935, Serial No. 10,688
1 Claim. (Cl. 39—5)

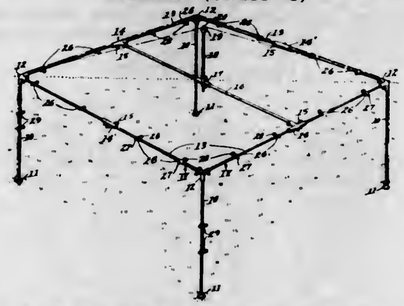
A gate including a longitudinal rock rod resting in a horizontal plane; spaced pickets carried by said rock rod and directed upwardly therefrom; vehicle wheel runways extended beneath said rock rod with the latter resting therein for rocking

movement with the pickets operating therebetween and in slots of the said runways; said rock rod having bifurcated end extensions; pairs of inverted spring members mounted on the bifurcated end extensions of said rock rod to resiliently suspend said rock rod in normal position with the pickets directed upwardly therefrom; bal-



ancing weights suspended from the end portions of said rock rod in pairs; and rigid members depending from said rock rod between said balancing weights to actuate the latter in pairs as the gate is opened from either side by a vehicle with the wheels of the vehicle riding over said runways.

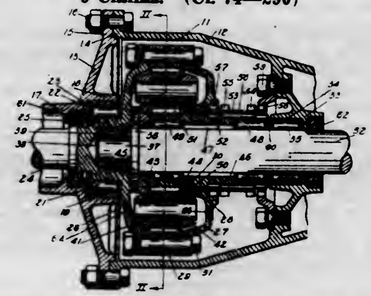
2,044,659
COLLAPSIBLE FRAME STRUCTURE FOR TENTS
John Q. Adams, Columbus, Ohio
Application May 18, 1934, Serial No. 726,257
4 Claims. (Cl. 135—3)



1. In a collapsible tent structure, a plurality of vertical corner posts, tubular side rails detachably connected with the upper ends of said corner posts, a transversely extending cross member having the outer ends thereof detachably connected with certain of said side rails, a vertical post detachably connected with said cross member, a canopy supported by the upper end of said center post, the marginal edges of said canopy being provided with eyelets, and a plurality of rotatable collars mounted on said side rails and provided with studs receivable within said eyelets, whereby upon the rotation of said collars around said side rails, slackness in the canopy may be removed.

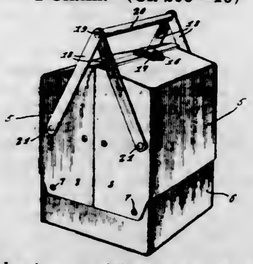
2. A collapsible frame structure for tents, comprising a plurality of vertical corner posts, ground engaging elements secured to the lower ends of said posts, trisocketed fittings detachably connected with the upper ends of said corner posts, horizontally extending pairs of side rails, one rail of each of said pairs being rigidly secured in certain of the horizontal sockets of said fittings, coupling sleeves rigidly secured to the remaining rails of said pairs, certain of said sleeves being formed with angularly directed sockets, the free ends of said rails being formed for detachable connection with the other horizontal socket of said trisocketed fittings and sleeves respectively, a pair of horizontally and transversely extending intermediate rail members detachably positioned in the angular sockets of said certain sleeves, a vertical cross-shaped sleeve rigidly secured to the free end of one of said intermediate rail members and detachably secured to the other, and a center post slidably positioned in the vertical portion of said cross-shaped sleeve.

2,044,660
TRANSMISSION MECHANISM
Herbert W. Alden, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a corporation of Ohio
Application October 20, 1933, Serial No. 694,467
9 Claims. (Cl. 74—290)



1. In combination with a speed change transmission gear, a casing; drive and driven shafts associated with said casing; selective transmission means within said casing for driving said driven shaft from said drive shaft at different ratios; a ring gear associated with said drive shaft; and planetary gears arranged to engage said ring gear and fixed to rotate with said driven shaft; said planetary gears being rotatably supported on bearings of the needle type, and formed from material susceptible to slight deformation in conjunction with the needle bearings upon the application of load.

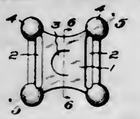
2,044,661
TOOL CHEST
Jacob Bentz, Bismarck, N. Dak.
Application May 2, 1935, Serial No. 19,533
1 Claim. (Cl. 206—16)



A tool chest comprising in combination a box-like body having flanged closures pivoted to the ends thereof and having handle connected links pivoted to the closures for swinging the same to open or closed position with respect to the body and trays pivoted between the side flanges of the closures and having a linkage between each other and the body to cause such trays to swing to a plane parallel with that of the body when the

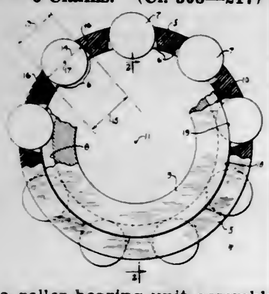
closures are moved to open or to closed position, and ribs formed on the closures to contact with certain of said trays to hold all of the trays in parallel position and to limit the movement of the closures when in open position.

2,044,662
SLIDE FASTENER
Edwin S. Blanchard, Cambridge, Mass., assignor to United-Carr Fastener Corporation, Cambridge, Mass., a corporation of Massachusetts
Application February 19, 1935, Serial No. 7,245
1 Claim. (Cl. 24—77)



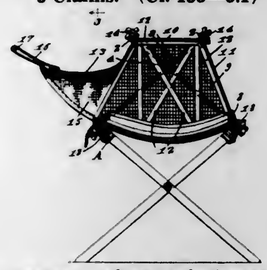
A separable fastener member, the purpose of which is to engage with another fastener member, comprising a generally rectangular-shaped plate having means for cooperative fastening engagement with said other fastener member, said plate being provided with strap-receiving slots at opposite ends thereof, and having hollow portions of the material of said member, said hollowed portions extending on the corners of the substantially rectangular-shaped plate formation beyond the limits of said rectangular-shaped plate, and said strap receiving slots extending for a substantial distance within the confines of said hollowed portions.

2,044,663
CAGE FOR ANTIFRICTION BEARINGS
Eric C. Brodin, Jenkintown, Pa., assignor to S K F Industries, Inc., Philadelphia, Pa., a corporation of Delaware
Application February 7, 1935, Serial No. 5,318
6 Claims. (Cl. 308—217)



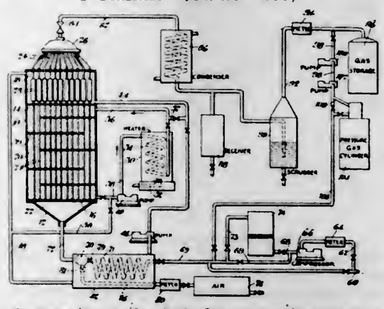
1. In a roller bearing unit assembly, the combination with a series of rollers, of a bearing ring formed with a roller raceway surface disposed between roller-end engaging members, and a cage composed of non-malleable material and shaped to freely pass over such members, and having a series of roller pockets, each of such pockets being formed with roller-end engaging faces and plane roller-side engaging faces flaring apart toward the said raceway surface and converging toward one another at the opposite portion of the cage, there forming a mouth slightly less in width than the normal diameter of the roller, and also forming holding-in portions inwardly of the mouth, whereby the roller may be pressed into the pocket through the mouth thereof and thence freely pass inwardly beyond the holding-in portions thereof and between the roller-end engaging members of the bearing ring.

2,044,664
INSECT SCREEN
Edward G. Brown, Denison, Tex.
Application November 12, 1934, Serial No. 752,764
3 Claims. (Cl. 135—5.1)



1. In a canopy, a base, a body secured to the base and being formed from mesh material, reinforcing strips for the body and extending longitudinally and transversely thereof, said body having a door opening, a door for closing the opening and secured to the body, and weighted means for holding the door in opened and closed positions and extending longitudinally thereof.

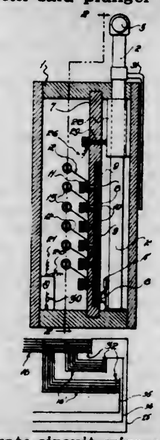
2,044,665
APPARATUS FOR PARTIAL OXIDATION OF HYDROCARBONS
Stephen P. Burke, Morgantown, W. Va., assignor to Doherty Research Company, New York, N. Y., a corporation of Delaware
Original application June 11, 1930, Serial No. 460,319. Divided and this application August 22, 1933, Serial No. 686,258
3 Claims. (Cl. 23—277)



1. Apparatus adapted for carrying out exothermic gaseous reactions comprising, in communicably connected series, a heat interchanger, at least one elongated pressure-resistant preheating tube, a relatively short reaction chamber, an elongated reaction quenching and cooling tube, the said reaction chamber having a smaller ratio of wall surface to volume than that of the said preheating and cooling tubes communicating therewith; a heater, means for circulating a heat transferring fluid through the heater and in heat exchange relation with the preheating tube, and means for circulating a second heat transferring fluid in heat exchange relation with the reaction chamber and through the heat interchanger.

2,044,666
MULTIPLE FIRING BLASTING APPARATUS
Hugh W. Burney, Dallas, Tex.
Application April 18, 1932, Serial No. 606,042
4 Claims. (Cl. 175—115)

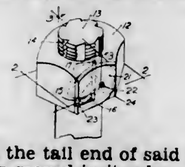
1. A multiple firing blasting device, comprising a casing, a longitudinal series of separate terminal contact elements supported within the casing and insulated from each other, a corresponding series of separate circuit-wire-attaching elements mounted on the exterior wall portion of the casing and insulated from each other, each of said exteriorly mounted attaching elements being respectively connected electrically to a corresponding one of said series of interiorly mounted terminal contact elements, a reciprocatory plunger element slidably supported within the casing in longitudinal and parallel relation cooperatively with said series of terminal contact elements, a complementary, elongated contact element mounted in longitudinal and parallel relation cooperatively with said series of terminal contact elements, a pair of switch contact elements mounted on said reciprocatory plunger element and being respectively in electrical circuit connection with said plunger element, a second



series of separate circuit-wire-attaching elements mounted on the exterior wall portion of said casing, electrical switch means for connecting together and disconnecting said last mentioned series of wire-attaching elements, at will, an electrical battery and a high tension electrical element within said casing, one pole of the battery being in electrical circuit connection with one end of the primary winding of said high tension element, said winding end being also in electrical circuit connection with one of said exteriorly mounted second mentioned series of wire-attaching elements, the opposite end of said primary winding being in electrical circuit connection with said interiorly mounted elongated contact element, and the opposite pole of the battery being in electrical circuit connection with said reciprocatory plunger.

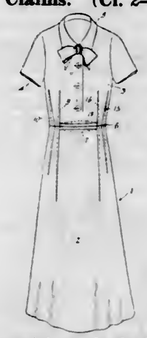
2,044,667
LOCK NUT
David John Collins, Collinsville, Bowen Coalfield, Queensland, Australia
Application February 13, 1935, Serial No. 6,358
In Australia July 31, 1934
2 Claims. (Cl. 151—12)

1. A lock nut for use on a bolt or the like having longitudinal ratchet grooves or notches on its threaded surface; said nut being in the form of a regular polygon in plan view and having a radial slot extending from its periphery to its bore, a ratchet-pawl pivotally mounted in said slot and wholly located at all times within the confines of the nut, a spring urging the operative end of said pawl into the bore of the nut to engage one of the said grooves in the bolt, a plate carried by the nut, the outer faces of the plate constituting parts of the regular peripheral contour of the nut, means to mount the plate within the compass of the nut for movement in its own plane over said radial slot, said plate having a slotted portion with a cam part registering with said slot in the



nut into which the tail end of said pawl projects, said plate when moved in its plane from its normal or inoperative position serving to retract the operative end of said pawl and close the end of said slot in the nut in which the pawl is located thereby holding the pawl inoperative by contact of the pawl with the inner face of said plate.

2,044,668
DRESS
Joseph T. Cukor, Tuckahoe, N. Y.
Application August 17, 1935, Serial No. 36,728
2 Claims. (Cl. 2—74)

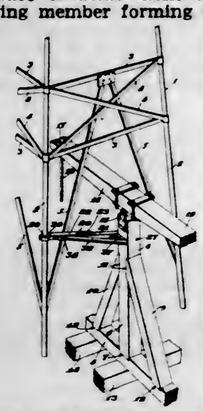


1. A dress comprising a body formed with upper and lower parts, said upper and lower parts having groups of longitudinally extending pleats at the front and rear near the sides extending from the waistline of the dress, said pleats being capable of being opened at any time, and circumferentially extending tucks at the front and rear, said tucks extending from one group of pleats to the other of the body adjacent the waistline for varying the effective length of the garment at the front and rear.

2,044,669
WING BRACE FOR SAMPSON POSTS
Samuel Chandler Curry, Graham, Tex.
Application June 10, 1935, Serial No. 25,857
3 Claims. (Cl. 189—31.4)

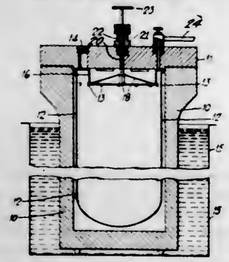
1. A wing brace for "Sampson posts" of well rigs and the like, said brace comprising a longitudinally adjustable strut member, a supplemental substantially longitudinally extending diagonal strut member, one end portion of said supplemental strut member being longitudinally adjustably attached to said first mentioned longitudinally adjustable strut member near one end of the latter, means on the adjacent end portion of said first mentioned longitudinally adjustable strut member for attachment to an anchorage, and a cross connecting member at-

tached at its opposite ends to the end portions of said two mentioned strut members remote from their place of attachment together, said cross connecting member forming with the ad-



jacent extremity of said first mentioned strut member an angular seat for attachment to two contiguous corresponding angular sides of the "Sampson post" or the like.

2,044,670
WARM CONVERTER FOR LIQUEFIED GASES OF LOW BOILING POINT
Leo I. Dana, Buffalo, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application March 20, 1934, Serial No. 716,447
12 Claims. (Cl. 62—1)

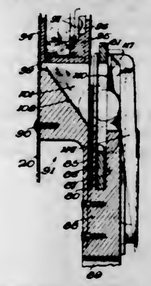


11. The method of operating a warm converter having a thick-walled pressure vessel provided with a spaced inner basket having communication between the spaces within and without said basket and adapted to convert liquefied gases of low boiling point into vapor by the application of heat externally, which method comprises filling the converter with liquefied gas to a desired liquid level, and causing at will the passage of liquid from said basket into the clearance space in advance of that normally taking place by the expansion of liquid during vaporization.

2,044,671
SOLDER FOR ALUMINUM
Ralph B. Derr and Conral C. Callis, Oakmont, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application October 24, 1934, Serial No. 749,817
4 Claims. (Cl. 75—134)

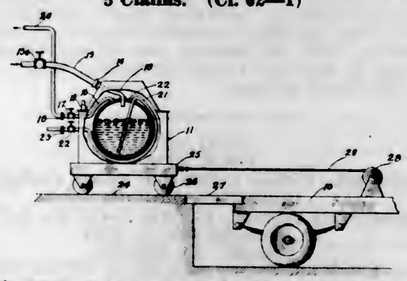
1. A solder for aluminum and its alloys consisting of about 30 to 63 per cent by weight of tin, 25 to 55 per cent by weight of lead, 8 to 25 per cent by weight of zinc and 1 to 15 per cent by weight of cadmium.

2,044,672
VENDING MACHINE
Morris Dorman, Baltimore, Md.
Application March 28, 1935, Serial No. 13,522
4 Claims. (Cl. 194—63)



1. In a machine for vending newspapers or the like, means for receiving and holding a plurality of newspapers, manually operated means to discharge the newspapers from the receiving and holding means, lock means to normally hold the manually operated means against movement, a plurality of pockets for receiving coins of different denominations arranged near the lock means, means movable through all of the pockets to engage a coin in any one pocket and cause the coin to actuate the lock means, shearing means operably connected to the manually controlled rockshaft to engage such coins and shift the same laterally, coin selector means arranged near the pockets to be engaged by coins of corresponding denominations and to be actuated thereby when the coin is shifted laterally by the shearing means, and change making mechanism having its operation controlled by the action of the selector levers.

2,044,673
METHOD AND APPARATUS FOR DISTRIBUTING LIQUEFIED GASES
Harry D. Edwards, Larchmont, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application June 30, 1932, Serial No. 620,275
5 Claims. (Cl. 62—1)



4. Apparatus for dispensing liquefied gas which consists of an insulated container adapted to be transported to and from a consumer's place of use on a transport vehicle, and capable of being transported separately from the transport vehicle, said container comprising a heavy walled pressure vessel for holding the liquefied gas, a

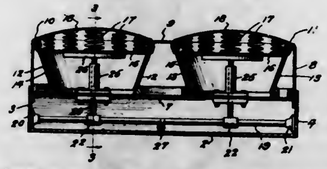
casing including a heat insulating envelope surrounding and supporting said pressure vessel, filling and withdrawal means each having controlling valves associated with said pressure vessel and having couplings accessible from the exterior of said envelope for attachment to and detachment from external connections, and means associated with said envelope independent of said couplings for mounting and demounting said container on a transport vehicle.

2,044,674
PRODUCTION OF FINELY DISTRIBUTED COPPER COMPOUNDS
Frederick Charles Elphick and James Ramsay Gray, Silvertown, London, England, assignors of one-third to Burt, Boulton & Haywood Limited, London, England, a British company
No Drawing. Application March 5, 1934, Serial No. 714,202. In Great Britain March 8, 1933
5 Claims. (Cl. 167—16)

1. The process of producing colloidal cupric compounds which comprises mixing a solution of a cupric salt containing a colloid with a solution of a soluble salt which exchanges radicals with soluble cupric salts to give insoluble cupric compounds, washing the precipitate thus produced, concentrating it by removing water from it, and finally peptizing it by mixing it in moist condition with a material selected from the group consisting of an alkali carbonate and an alkali hydroxide.

2. A fungicide consisting of an aqueous colloidal paste of a cupric compound which is peptized by the presence of a small proportion of an alkali, said paste being miscible with water to form a durable suspension.

2,044,675
ADJUSTABLE SEAT
Hugh Milton Erwin, Dallas, Tex.
Application March 5, 1936, Serial No. 67,357
5 Claims. (Cl. 155—95)



5. A base member having a frusto-conical recess formed therein, a guide on said base member having a bore coaxial with said recess, a rod mounted to slide and rotate in said bore, a seat fixed to one end of said rod and having a frusto-conical periphery adapted to fit and be locked in said recess when the rod is in lowered position in said guide, a shaft rotatable on said base member, a cam on said shaft supporting said rod, a crank arm extending radially from said shaft, a lever fulcrumed on said base member, and a link pivotally connecting said crank arm to said lever to effect rotation of said shaft.

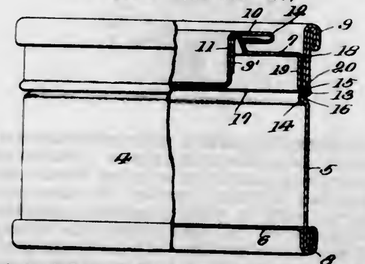
2,044,676
SHOE LAST
James A. Fikany, Carbondale, Pa.
Application January 15, 1936, Serial No. 59,307
1 Claim. (Cl. 12—133)

A shoe last the forward sole portion of which is convex downwardly, and which is provided with raised areas corresponding to the positions of the sesamoid and fifth metatarsal head, the last also having an upwardly convex groove, the forward and deeper portion of said groove being positioned between said raised areas and under the metatarsal arch, the groove extending rearwardly and generally longitudinally, growing gradually shallower toward the heel, the last having a longitudinal arch extending in a high arc or curve substantially from the sesamoid to the os calcis por-



tions thereof, the last being made substantially narrow transversely or laterally thereof, throughout the portion coextensive with said longitudinal arch, whereby a shoe made on the last, by reason of said transverse narrowing thereof, exerts an upwardly and inwardly directed force at the instep, scaphoid and os calcis regions thereof, and tends to force the bones of the foot into a normal position, and to prevent rotation of the heel and lateral rocking of the foot, in such a shoe.

2,044,677
METAL CONTAINER
Ernest W. Freeman, Passaic, N. J., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application March 29, 1935, Serial No. 13,736
2 Claims. (Cl. 220—27)

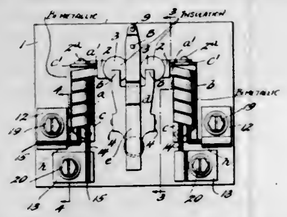


2. A metal container comprising a body portion having a can top seamed thereto, said can top having a central opening and a vertical friction wall surrounding said opening, a closure adapted to make frictional contact with said wall for closing the container, said body having a portion thereof shaped so as to form a seating ledge and a portion thereof bulged outwardly adjacent said seating ledge for forming a recess, and a frangible disc of greater diameter than the inside diameter of said container extending across said opening beneath the friction closure and adapted to be snapped into said recess, said disc having the peripheral edge portion thereof resting on the seating ledge, said can top having a portion thereof contacting with the inner wall of the container and being so shaped as to clamp the edge of said disc against the seating ledge for holding the same in place.

2,044,678
THERMALLY CONTROLLED SWITCH MECHANISM
Joseph F. Frese, Baltimore, Md., assignor to Monitor Controller Company, Baltimore, Md., a corporation of Maryland
Application February 21, 1935, Serial No. 7,607
6 Claims. (Cl. 200—122)

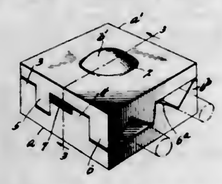
5. In a circuit controlling device of the type having a movable switch, a helical bimetallic ther-

mostat operable to move said switch, and a current carrying heater disposed within said thermostat, the heater comprising a plurality of close-



ly assembled metallic ribbons of substantially the same dimensions and a terminal carried by each end of said assembly, certain of said ribbons differing in specific resistance from others.

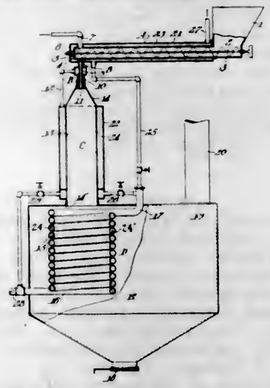
2,044,679
CONNECTER FOR ELECTRIC CONDUCTORS
Joseph F. Frese, Baltimore, Md., assignor to Monitor Controller Company, Baltimore, Md., a corporation of Maryland
Application May 16, 1935, Serial No. 21,884
4 Claims. (Cl. 173—263)



1. A clamp for parallel wires or cables or a single wire or cable comprising a pair of similar clamp members and means for securing them together in adjusted opposed relation, in either of two positions, each of said members comprising a plate having on the face adapted to oppose the other member a plurality of lugs adapted to engage the wires or cables, each member having on said face near the center of one edge a fulcrum lug and a blank space near the center of the opposite edge, whereby in one assembled position of the members the fulcrum lugs engage each other to space said edges and in the other position fit in the blank spaces and are inactive.

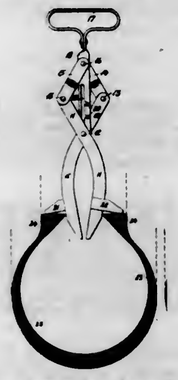
2,044,680
SPHERULIZING FUSIBLE PULVERIZABLE FILLER MATERIAL
Chester G. Gilbert, Washington, D. C., assignor to Research Corporation, New York, N. Y., a corporation of New York
Application February 12, 1934, Serial No. 710,974
15 Claims. (Cl. 49—57)

1. Process of spherulizing fusible pulverizable solid material which comprises preparing a dispersion of finely divided particles of the solid material, fuel and combustion air, whereby to distribute the particles in substantially uniform suspended relation to the fuel, introducing the resulting suspension into a space bounded by surfaces which are maintained at a temperature below the fusing temperature of said solid, igniting the fuel air mixture in said space whereby uniformly to heat the suspended particles at a temperature above the fusing temperature of said solid, passing the suspension of particles through a free space while cooling the suspen-



sion to below the fusing temperature of said solid, and collecting so-treated solid.

2,044,681
TIRE-SPREADING TOOL
Harry J. Griffith, Denver, Colo., assignor of one-twelfth to Edward Cone, one-twelfth to May Cone, and one-twelfth to Edna L. Cone, all of Denver, Colo.
Application June 8, 1934, Serial No. 729,658
4 Claims. (Cl. 152—27)

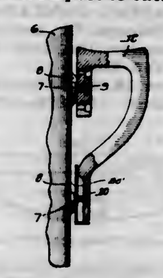


1. A tool of the character described comprising crossed, pivotally-interconnected arm members, a separate arm-actuating member hingedly toggle-connected with spaced ends of said arm members, and means on said arm-actuating member slidingly engaging about the pivot interconnecting said arm members and operable to latch said arm members in various of their relative positions.

2,044,682
RECEPTACLE HANDLE
Frederick A. Gust, Chicago, Ill.
Application November 7, 1935, Serial No. 48,742
3 Claims. (Cl. 16—114)

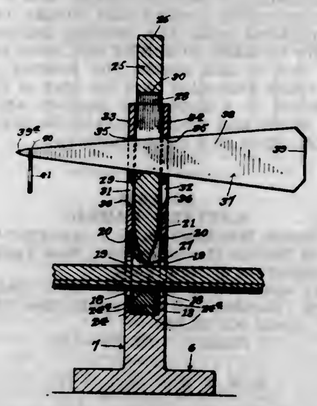
3. A handle for a receptacle having upper and lower securing means, means on the handle for detachably engaging one of said securing means, and a plurality of means on another portion of the handle for selectively engaging the other of said securing means whereby the handle may be ad-

justed bodily with respect to each of said securing



means and secured to the receptacle in a plurality of adjusted positions.

2,044,683
CABLE CUTTER
Henry Gustafson, Asteria, Oreg.
Application October 22, 1935, Serial No. 46,235
7 Claims. (Cl. 164—47)

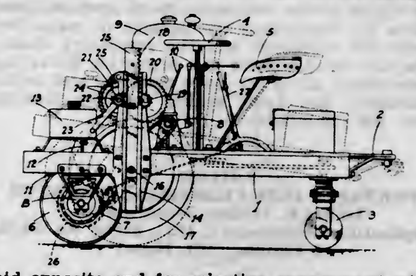


1. A cable cutter comprising a stand formed with a cable receiving opening and a cutting blade passage, an anvil removably mounted in said stand and extending into said opening for supporting the cable, an intermittently driven cutting blade positioned within and depending below the passage into said opening to sever the cable, an intermittently driven blade tightener extending through the stand and blade and engaging with the latter for tightening the blade against the cable after each cutting stroke of the blade, and said stand provided with means for the passage of an implement to shift the anvil from the stand, said anvil being adjustable and formed with a series of selectable sides upon which the cable is mounted.

2,044,684
PORTABLE MAINTENANCE ROLLER
William De Vere Haigh, Groveland, Calif., assignor to Carl H. Graham, San Antonio, Tex.
Application April 3, 1933, Serial No. 664,065
10 Claims. (Cl. 94—50)

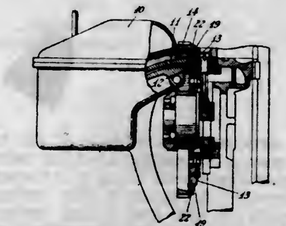
1. A maintenance roller for highways comprising a frame adapted at one end for connection to a draft vehicle, a driven roller supported from the frame toward its opposite end, and wheels

mounted in connection with the frame toward



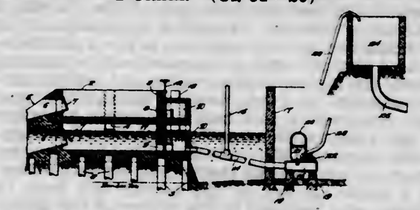
said opposite end for selective engagement with or disengagement from the ground.

2,044,685
ANTISPLASH GUARD FOR TYPOGRAPHICAL MACHINES
John H. Hanson and William M. Hanson, Chicago, Ill.
Application July 5, 1933, Serial No. 679,126
7 Claims. (Cl. 199—53)



1. An attachment for a typographical machine which machine comprises a melting pot having a delivery nozzle and a gear having pockets in each of which a mold is mounted for movement with the gear in position to receive molten metal from the nozzle, comprising a guard having a horizontal flange adapted for confinement between the top wall of the mold and adjacent wall of the pocket, and a vertical flange adapted to be positioned adjacent that face of the gear opposite the melting pot.

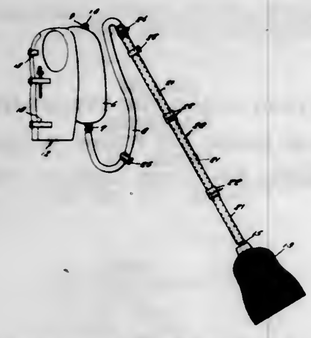
2,044,686
TIDAL STORAGE DEVICE
Wallace B. Harrison and Charles William Kennedy, Pasadena, Calif.
Application October 2, 1934, Serial No. 746,588
1 Claim. (Cl. 61—20)



A tidal storage device built into a sea or like body of water and comprising upper and lower reservoirs and a regulating chamber connected with each reservoir, the upper reservoir having an open top and the bottom wall thereof providing the top of the lower reservoir, said reservoirs having their sea facing wall provided with open-

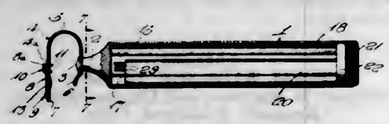
ings and a flap valve for each opening to trap sea water in the reservoirs, hand operated gate valves for controlling the passage of water between the reservoirs and the regulating chambers, air vents built in the device for delivering atmospheric air to the lower reservoir and to the chambers, and ram feeding conduits leading from the chambers.

2,044,687
PORTABLE FIRE FIGHTING APPARATUS
Ishum H. Hatten, Winnfield, La.
Application December 13, 1935, Serial No. 54,345
5 Claims. (Cl. 169—1)



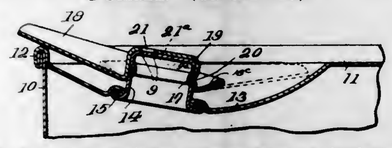
1. In a structural assemblage of the class described, a manually manipulated fire beating implement, said implement being of a fountain type and constructed to apply a fire extinguishing agent directly to the fire, a fire extinguishing agent container, and means operatively connecting said implement with said container.

2,044,688
RAZOR BLADE SHARPENER
Arthur C. Heise and Millard W. Jacobi, Baltimore, Md.
Application August 8, 1934, Serial No. 739,016
9 Claims. (Cl. 51—158)



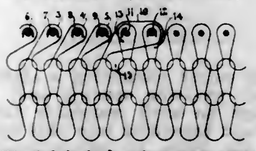
1. In a razor, a handle formed with a chamber opening through the rear end of the handle, a sharpening element extending longitudinally in said chamber against a portion of the walls thereof and formed with a longitudinally extending groove having converging walls, and a blade carrier inserted into the chamber through the open rear end thereof and bearing against a portion of the walls of the chamber opposite the sharpening element with its blade holding portion presented towards the sharpening element whereby a blade carried by the carrier will have its cutting edge engaged in the groove of the sharpening element, said carrier being slidable longitudinally in the chamber for reciprocating a blade in sharpening engagement with the sharpening element, the carrier being also oscillatable in the chamber for disposing the cutting edge of the blade in engagement with a selected side wall of the groove in the sharpening element.

2,044,689
DISPENSING CONTAINER
John Henchert, Chicago, Ill., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York
Application June 18, 1935, Serial No. 27,239
4 Claims. (Cl. 221—19)



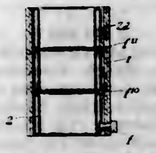
4. A metal container comprising a body portion, an end secured thereto and having a depressed portion therein, a nozzle seamed to said end within said depressed portion and having the outer end thereof disposed beneath the lower edge of the container, the outer end of said nozzle being closed and scored so that it may be readily punctured to provide a dispensing opening, a closure cap for controlling the dispensing opening, a spout for dispensing the contents discharged through the dispensing opening, said spout including a pouring portion and a trough portion extending around said closure cap and communicating with the pouring portion, and means for rotatably attaching said spout and said closure cap to said nozzle, the pouring portion of said spout extending over the edge of the container when in a dispensing position and being located within and wholly beneath the edge of the container when in a closed position.

2,044,690
KNITTED FABRIC
Louis Hirsch, Weehawken, N. J., assignor to Louis Hirsch Textile Machines, Inc., New York, N. Y., a corporation of New York
Original application May 31, 1935, Serial No. 24,179. Divided and this application March 3, 1936, Serial No. 66,806
5 Claims. (Cl. 66—189)



1. A knitted fabric having narrowed courses in which the innermost transferred loop is looped to two loops of the following course.

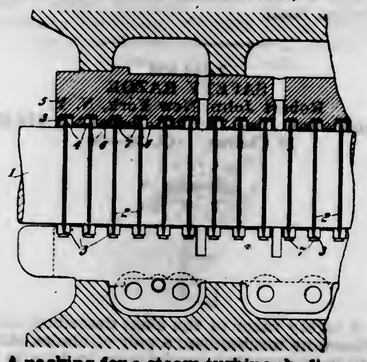
2,044,691
DEVICE FOR COLLECTING THE BLOOD AT A CERTAIN PART OF THE HUMAN BODY
Bruno Höflinger, Berlin, Germany
Application June 5, 1935, Serial No. 25,161
In Germany February 26, 1935
5 Claims. (Cl. 128—327)



1. In a device for collecting the blood at a certain part of the human body, a plurality of inflatable chambers connected in series and

forming a tube open at its ends; resistances in the connections between the chambers for regulating the flow of pressure medium from chamber to chamber, said resistances increasing successively in value to offer increased resistance to the pressure medium in passing from chamber to chamber; a hollow stem extending from the end chamber whose connection has the lowest value resistance; a check valve in said stem; means for unseating the check valve to permit escape of pressure medium from the chamber; and pressure generating means detachably connected with the stem.

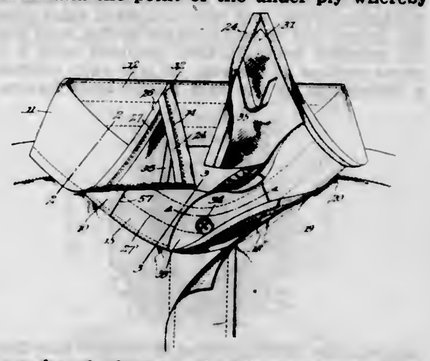
2,044,692
PACKING FOR THE SHAFTS OF STEAM TURBINES
Gustav Huhn, Berlin-Tempelhof, Germany
Application February 9, 1935, Serial No. 5,837
In Germany November 25, 1933
2 Claims. (Cl. 286—10)



1. A packing for a steam turbine shaft comprising circumferential annular ribs connected rigidly with the shaft and formed from a metal having a coefficient of thermal expansion similar to said shaft, said ribs having circular knife-shaped outer peripheral edges, the turbine casing being provided with bearing rings surrounding and co-axial with said ribs, said bearing rings being formed of a softer material than said ribs and being provided with annular inner peripheral faces for contact with said knife-shaped outer peripheral edges of said ribs, the coefficient of thermal expansion of said bearing rings being lower than that of said ribs, whereby said ribs upon thermal expansion may cut individual paths in said bearing rings.

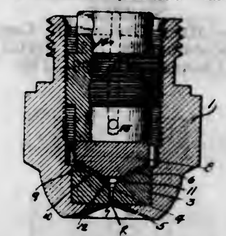
2,044,693
SOFT FOLD COLLAR
Ralph Hunter, New York, N. Y., assignor to Hall, Hartwell & Co., Troy, N. Y., a corporation of New York
Application May 24, 1935, Serial No. 23,299
4 Claims. (Cl. 2—131)

1. A collar of the soft, shirt-attached type comprising a band and a two ply fold-over top, said top consisting of an outer ply of relatively light material and an under ply of relatively stiff, heavier material, said plies being arranged with substantially coincident, circumferential and transverse edges except at the points, the under ply at the points terminating short of the point of the outer ply, the coincident, transverse and longitudinal edges being folded over against the heavier ply whereby the latter acts to control the shrinkage and appearance of the top, and the folded edges being overlapped at the points over and around the point of the under ply whereby



the under ply forms and stiffens the outline of the collar point, and stitching securing the folded edges against the heavier ply.

2,044,694
NOZZLE
Henry Huss, Greenwich, Conn.
Application January 17, 1936, Serial No. 59,489
3 Claims. (Cl. 299—120)

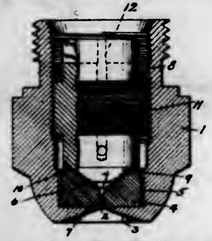


1. An atomizing nozzle comprising in combination a nozzle body provided with a discharge orifice, a member within said nozzle body provided with an ejection orifice and a swirl chamber, said ejection orifice being positioned adjacent said discharge orifice, the said discharge orifice, ejection orifice and swirl chamber being in alignment, the upper face of said member being recessed, a distributor within said nozzle body having a tapered face corresponding in form to said recessed face and cooperating therewith, the angle which said recessed face makes with the horizontal being less than the angle made with the horizontal by the side walls of the said swirl chamber, tangentially extending oil slots in the tapered face of said distributor, said distributor terminating short of the adjacent end of said swirl chamber, thereby providing for causing oil fed under pressure through said slots to swirl about the axes of the swirl chamber and ejection orifice, said ejection orifice being so restricted relatively to the swirl chamber that the oil from the swirl chamber will pass through the ejection orifice in tubular form.

2,044,695
NOZZLE
Henry Huss, Greenwich, Conn.
Application December 28, 1935, Serial No. 56,471
5 Claims. (Cl. 299—120)

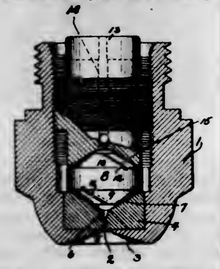
1. An atomizing nozzle comprising a body having a discharge orifice, a floating member in said

body, adjacent said discharge orifice, provided with an ejection orifice communicating with said discharge orifice and with a tapered swirl chamber to the rear of said ejection orifice, said floating member being further provided with a tapered surface at the rear of said swirl chamber, a distributor in the said nozzle body having a



tapered face corresponding in form to and fitting against said tapered surface, said distributor face being provided with whirl-producing grooves communicating with said swirl chamber, and a screw stem in the body behind said distributor for coaction with the distributor, said stem being provided with a channel for the passage of the material to be atomized along said stem to said distributor.

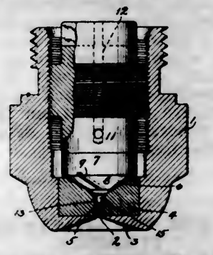
2,044,696
NOZZLE
Henry Huss, Greenwich, Conn.
Application December 28, 1935, Serial No. 56,472
3 Claims. (Cl. 299—120)



1. An atomizing nozzle comprising a body having a discharge orifice, a member in said body adjacent said discharge orifice, provided with an ejection orifice and with a swirl chamber communicating with each other and with said discharge orifice, said member being provided with a tapered surface at the rear of said swirl chamber, a distributor head in the said nozzle body the ends of which are tapered to correspond in form to said tapered surface, and a screw stem the forward end of which is provided with a tapered recess corresponding in form to the tapered ends of said distributor head, said distributor head being disconnected from said member and from said stem, whereby as the stem is moved inwardly of the nozzle body the distributor head will be accurately seated on the tapered surface of the first-mentioned member.

2,044,697
NOZZLE
Henry Huss, Greenwich, Conn.
Application December 28, 1935, Serial No. 56,470
3 Claims. (Cl. 299—120)

1. An atomizing nozzle comprising in combination a nozzle body provided at one end with a discharge orifice, a member in the nozzle body provided with a longitudinal bore and with a recessed rear face, a distributor head cooperating with said recessed face, and a drawn metal tube in said longitudinal bore, the bore of said tube



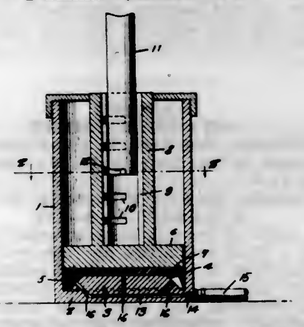
being flared at each end, one flared end of said bore lying adjacent the discharge orifice of the nozzle body, the other flared end of said bore providing a swirl chamber cooperating with said distributor head.

2,044,698
SAFETY RAZOR
Robert John, New York, N. Y.
Application June 27, 1932, Serial No. 619,571
19 Claims. (Cl. 30—50)



2. A safety razor of the class described including clamping mechanism, a pair of blades secured within said clamping mechanism in face to face relationship, and means for automatically separating the adjacent cutting edges of said blades during the tightening adjustment of said clamping mechanism.

2,044,699
LIFTING JACK
Dayton R. Johnsen, Sanford, Fla.
Application April 25, 1933, Serial No. 667,905
1 Claim. (Cl. 121—46)



A pneumatic lifting jack comprising a hollow cylinder provided with a base having a horizontally disposed air passage extending through the major portion thereof, a one piece solid piston in said cylinder, a circular portion rising from the base and being circumferentially inwardly

flared at an inclination to provide with the vertical wall of the cylinder an annular chamber, said circular portion provided with diverging air passages opening into the chamber and a vertical air passage opening centrally of the cylinder and all communicating with the horizontal air passage, means for introducing air within the cylinder through the air passages, a gasket between the piston and circular portion, an annular flange depending from the periphery of the gasket for normal disposal within the chamber to be acted upon by the air from the passages to cause the flange to expand against the cylinder to provide an air tight connection between the latter and the gasket, and adjustable lifting means carried by the piston.

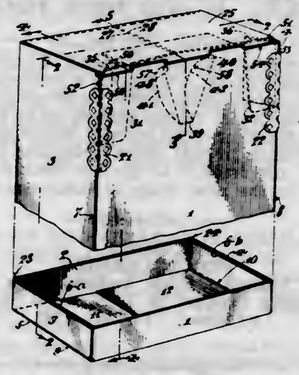
2,044,700
CLAMP FOR SCAFFOLDING
David Henry Jones, London, England, assignor of one-half to Scaffolding (Great Britain) Limited, London, England
Application September 26, 1935, Serial No. 42,361
In Great Britain December 27, 1934
6 Claims. (Cl. 304—40)



1. A clamp for clamping two scaffolding members together comprising a plate metal clamping member of U-shape having a central portion adapted to embrace one scaffolding member and two ends with their flat sides parallel to each other, said ends having lateral recesses in their edges on one side to form two hook portions, and said ends being off-set laterally relatively to each other adapted to be applied laterally to the other scaffolding member which is inclined obliquely to the scaffolding member embraced by the clamping member and which is received in said hook portions and a clamping device on part of said clamping member for pressing the scaffolding members against each other and against another part of the clamping member to clamp them together.

2,044,701
CONTAINER
Malcolm P. Junkin, Lansdowne, Pa., assignor to National Metal Edge Box Company, Philadelphia, Pa., a partnership consisting of Louis Wolf, Elias Wolf, Howard A. Wolf, and Walter L. Wolf
Application September 13, 1934, Serial No. 743,812
4 Claims. (Cl. 229—16)

1. A tamper-resistant container, comprising bottom and side walls formed in continuation of each other, a lid extending from one of the side walls, a slotted tab extending from the opposite side wall, and opposed side tabs extending from the other side walls, a pair of opposed and similar locking tongues carried near the outer ends of the free edge of the lid and an intermediate locking tongue carried by the lid therebetween and locking wings extending from each of said locking tongues and folded with respect thereto along resilient folds; said tongues and wings being adapted to be inserted in the aforesaid slot and between the edges of said side tabs and the upper front edge of the container, and said lock-



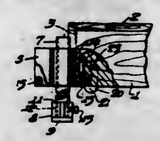
ing wings being adapted to fold away from their respective locking tongues in the closed condition of the lid, thereby to lock the lid against undetected opening.

2,044,702
ARTIFICIAL BAIT
Hans Kalyu, Fort Lauderdale, Fla.
Application September 25, 1933, Serial No. 690,902
10 Claims. (Cl. 43—36)



1. An artificial fish bait comprising a body portion formed in simulation of a natural lure, divided in sections held spaced, a pin for uniting the sections, a pair of hooks normally held concealed in the body portion under spring tension between the sections fixed on the pin, a third hook for holding the first hook concealed in the body portion, and means to release the third hook for projection of the three hooks from the body portion by pressing the sections together.

2,044,703
TRANSPORTABLE DOCK
Joseph E. Kline, Alpena, Mich.
Application June 5, 1935, Serial No. 25,141
10 Claims. (Cl. 61—48)

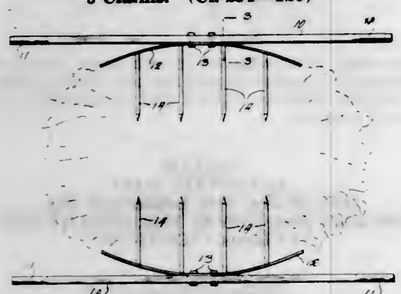


1. A transportable dock comprising deck-supporting longitudinal stringers, a transverse yoke having a pair of opposed flanges extending therefrom adjacent to each end to receive the ends of the respective stringers between them, the space between said flanges being open at the bottom and means extending between said flanges for rigidly but removably securing said ends of the stringers between the respective pairs of flanges on the yoke.

2,044,704
ELECTROLYSIS OF WATER
Albert Edgar Knowles, London, England
No Drawing. Application March 29, 1935, Serial No. 13,782. In Great Britain February 21, 1934
8 Claims. (Cl. 204—9)

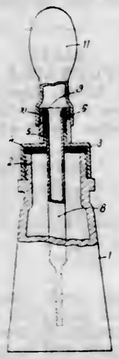
1. Process for the concentration of heavy water by successive stages, the process in each stage consisting in decomposing water by electrolysis, condensing the water vapour carried off by the gases from each cell or series of cells, which effect the decomposition in that stage, collecting this condensate, and using it as the sole feed to the cell or cells in the next stage of concentration.

2,044,705
SHOCK CARRIER
Vernon J. Koch, Andover, Iowa
Application January 28, 1936, Serial No. 61,225
3 Claims. (Cl. 294—120)



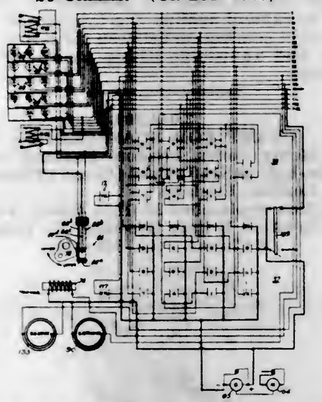
1. A shock carrier of the character described, comprising two carrying poles, curved resilient strips each attached at its middle to one of said poles, and inwardly extending pointed rods attached to the concave face of the strip.

2,044,706
BOTTLE CLOSURE AND DISPENSER
Albert Landrin, Paris, France
Application June 29, 1935, Serial No. 29,166
In France July 13, 1934
2 Claims. (Cl. 221—148)



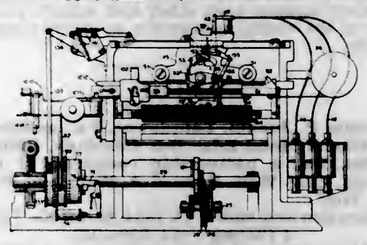
1. A bottle closure and dispenser including a closure cap having a central opening in the top, an upright annular flange of small height formed about the opening, a tubular housing fixed to the periphery of the flange, a dropping tube arranged through the housing and opening, and a filling of plastic material arranged in the housing and about the tube forming a joint and ensuring fluid-tightness.

2,044,707
CARD PUNCHING MACHINE
William W. Lasker, Brooklyn, N. Y., assignor to Remington Rand Inc., New York, N. Y., a corporation of Delaware
Application May 16, 1931, Serial No. 537,831
26 Claims. (Cl. 164—113)



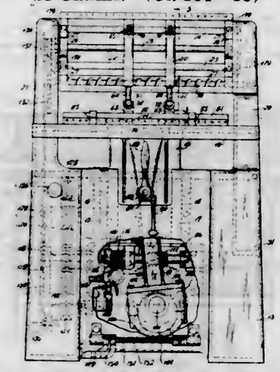
1. In a card punching machine, the combination of a gang of punches arranged in a plurality of rows, a gang of set bars or plungers similarly arranged for individually controlling the punches to be rendered effective for gang punching, a single row of key controlled members for consecutively operating said rows of plungers, a locking bar cooperative with a plurality of said plungers in each said row, and a second independently operable locking bar cooperative only with a plurality of different plungers in the same row.

2,044,708
CARD PUNCHING MACHINE
William W. Lasker, Brooklyn, N. Y., assignor to Remington Rand Inc., Buffalo, N. Y., a corporation of Delaware
Application February 2, 1933, Serial No. 654,812
26 Claims. (Cl. 164—113)



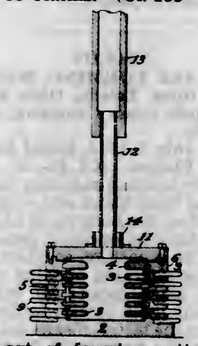
1. In a card punching machine, the combination of a gang of punches, a set-up mechanism for selectively determining which of said punches shall be rendered effective for gang punching, said set-up mechanism comprising digit keys, means by which an actuation of said digit keys is operative to effect a set up for certain only of said punches operating only within one or another of a plurality of limited zones on the card to be punched, controlling means for determining which of the punches the set-up mechanism shall control under the operation of said digit keys, thereby determining which of the limited zones on the card shall be punched, and automatically operating means actuated at each punching operation for shifting said controlling means to alternate the punches controlled by the set-up mechanism under the operation of said digit keys and thereby automatically alternate the limited zones on the card within which punching is effected.

2,044,709
MULTIPLE SPINDLE DRILL
Harry I. Lewis and Frederick W. Seybold, Dayton, Ohio, assignors to Harris Seybold Potter Company, Cleveland, Ohio, a corporation of Delaware
Application August 31, 1933, Serial No. 687,586
23 Claims. (Cl. 164—86)



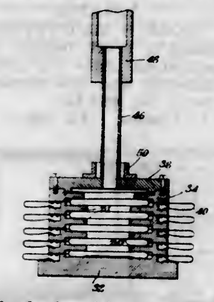
1. In a machine of the class described, a frame, a rail mounted thereon, a drill head mounted upon and adjustable lengthwise of said rail, a spindle rotatably mounted in said head, a driving shaft extending through said head parallel to said rail, gearing between said shaft and spindle movable lengthwise of the shaft as the head is moved along the rail, and bearings for the ends of said shaft mounted upon said rail.

2,044,710
METHOD OF MAKING HOLLOW ARTICLES
Joseph G. C. Mantle, Leonia, N. J., assignor, by mesne assignments, to Bridgeport Thermostat Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application July 18, 1924, Serial No. 726,671
35 Claims. (Cl. 153—73)



1. In the art of forming articles from metal shells or tubes, a two stage process, the first stage of which consists in forming a plurality of inwardly extending circumferential grooves in the wall of the shell or tube, the said grooves adapted to co-operate with and prevent the movement, relative to said grooves and wall, of a plurality of mold-parts during a subsequent axial collapsing of said wall and bringing together or towards each other of said mold-parts; and the second stage of which consists of the axial collapsing of the said wall and bringing together or towards each other of the said mold-parts whilst outwardly-expanding by hydraulic means, a portion of said wall positioned between the said grooves, between and into the said mold-parts.

2,044,711
METHOD OF AND APPARATUS FOR MAKING CORRUGATED DIAPHRAGMS
Joseph G. C. Mantle, Leonia, N. J., assignor, by mesne assignments, to Bridgeport Thermostat Company, Inc., Bridgeport, Conn., a corporation of Delaware
Application November 11, 1924, Serial No. 749,208
14 Claims. (Cl. 153—73)



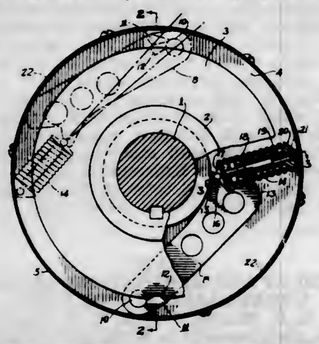
1. In a method of making metallic bellows, the steps which consist in forcing spaced portions of a tubular metal wall inward to form inwardly extending corrugations therein, and then expanding the tubular wall between said first-named inner corrugations to form outwardly extending corrugations between said first-named inner corrugations.

14. Apparatus for producing bellows tubing comprising a series of partible hinged die plates, the sections of each die plate having complementary recesses adapted to encircle the tube when the die plate is closed, and yielding means interposed between the die plates on opposite sides of the tube-encircling recesses to preserve substantial parallelism of the die plates while permitting independent movement toward and from one another.

2,044,712
AUTOMATIC OVERLOAD RELEASE CLUTCH
John Edgar Monroe, New Orleans, La.
Application July 27, 1933, Serial No. 682,504
3 Claims. (Cl. 192—56)

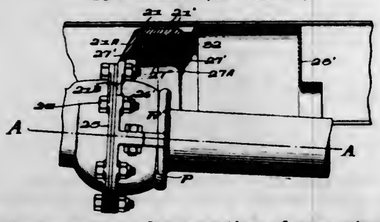
1. In power transmission mechanism, a driving element having a circular periphery cut away to form opposed shoulders, a driven element spaced axially from the driving element, a lever positioned between said elements and pivoted at one end to said driven element and having a part at the pivoted end thereof adapted to contact with either shoulder, yielding means pivoted at one end to said driven element and pivoted at its other end to the free end of said lever, said yielding means and lever forming a toggle linkage for holding said part in contact with either of said

shoulders to drive the driven element under a normal load and to yield when an abnormal load



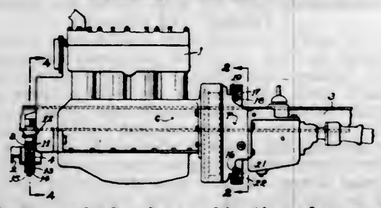
is imposed on the driven element to move and hold said part clear of the periphery of the driving element.

2,044,713
ENGINE MOUNTING
Rolland S. Trott, Denver, Colo.
Original application July 13, 1932, Serial No. 622,330. Divided and this application March 25, 1933, Serial No. 662,855
13 Claims. (Cl. 248—7)



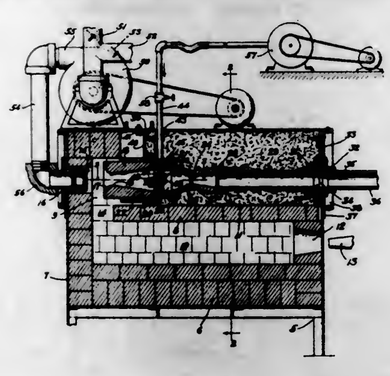
10. A mounting for a portion of an engine unit having a tendency to oscillatory movement during operation about a longitudinal axis having a desired position approximately at the crankshaft axis of the engine unit for hard pulling at slow speed, comprising an arc of non-metallic resilient material having means of attachment to said engine unit and to a chassis respectively, said arc of resilient material being arranged to face said desired position of the axis of oscillation with the geometrical center of said arc on the remote side of said desired position from said resilient material.

2,044,714
ENGINE MOUNTING
Rolland S. Trott, Denver, Colo.
Application November 30, 1932, Serial No. 645,071
11 Claims. (Cl. 248—7)



10. In a vehicle, the combination of an engine unit including an engine having a flywheel, said engine unit having a center of percussion adjacent said flywheel obtained by suspending the engine unit from a point adjacent its front end and located in the longitudinal central vertical plane of the engine unit, and means mounting said engine unit in the vehicle comprising non-metallic resilient means located approximately in a plane extending transversely of the engine unit through the center of percussion thereof.

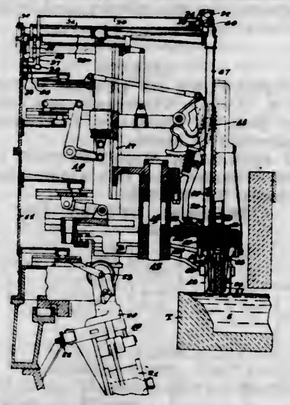
2,044,715
AIR HEATER
Gustave Bluemel, Chicago, Ill.
Application May 27, 1935, Serial No. 23,545
3 Claims. (Cl. 126—110)



1. In an air heater having a combustion chamber and two inspirators arranged in series and a passage establishing communication between the combustion chamber and the intake of the first of said inspirators, means for supplying a relatively large volume of air at relatively low pressure to the first of said inspirators to withdraw hot products of combustion from the combustion chamber through said passage and eject the mixture of air and products of combustion toward the intake of the second inspirator, and means for supplying a relatively small regulated volume of air at relatively high pressure to the second inspirator to accelerate the velocity of the mixture ejected from the first inspirator and thereby insure a constant flow of the mixture against a given resistance in the circuit through which the mixture is passed.

2,044,716
GLASSWARE FORMING MACHINE
John Ralph Hoge, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application July 2, 1934, Serial No. 733,380
2 Claims. (Cl. 49—5)

1. A glassware forming machine including partible cooperating body blank and neck molds having aligned cavities, the body mold having a downwardly facing charging opening, means for bringing the molds into a position to effect sealing contact between the charging opening and a supply body of molten glass, means for exhausting the air from the body mold cavity, to thereby deliver a mold charge to the latter, means for severing the mold charge in the body mold from said supply body, and independent means operating thereafter for exhausting the air from the neck mold



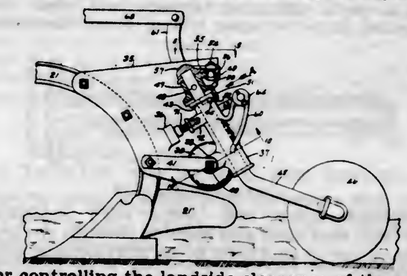
cavity and solely thereby moving the mold charge bodily upward to fill the neck mold cavity.

2,044,717
SEAT
Frank B. McElmoyl, Groveville, N. J., assignor to W. J. McElmoyl & Co., Inc., Groveville, N. J., a corporation of New Jersey
Application March 17, 1936, Serial No. 69,252
4 Claims. (Cl. 155—133)

3. In combination, a pair of U-frames, each comprising two side members and a connecting member joining said side members, means pivotally connecting said connecting members in proximity to each other and providing a fabric connection between the side members of each of said frames, and flexible side elements extending between the side members of the frames and restraining said frames from more than predetermined outward pivotal movements relative to each other.

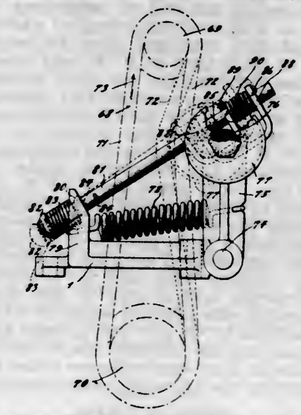
2,044,718
PLOW
Alvah E. Rutter, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis., a corporation
Application April 5, 1935, Serial No. 14,739
10 Claims. (Cl. 97—127)

1. In an implement of the class described, a beam having a plow bottom thereon, a unitary caster-wheel support comprising a bracket adapted to be detachably secured to the beam, a bearing pivotally mounted on the bracket, a spindle swivelingly mounted in the bearing, a sleeve embodying an arm connected to and through which the spindle extends, a cap on the spindle having an extension, and means connecting said extension and the arm to adjustably maintain the spindle, sleeve, and cap in fixed relation to each other, a stop portion on said cap arranged to contact said bracket and prevent rotation of said sleeve and spindle in one direction when the plow is lowered and whereby the arm may be adjusted



for controlling the landside clearance of the rear end of the implement.

2,044,719
TAKE-UP DEVICE
Henry J. Stegeman, Fairfield, Conn., assignor to The Locke Steel Chain Company, Bridgeport, Conn., a corporation of Connecticut
Original application April 21, 1934, Serial No. 721,759. Divided and this application November 19, 1934, Serial No. 753,660
10 Claims. (Cl. 74—242.11)

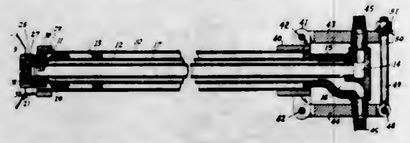


1. A slack take-up device for a chain or belt comprising a roller adapted to engage the slack side of a chain, a fixed frame, an arm pivoted on said frame and carrying said roller, a spring holding said roller in engagement with said chain, an auxiliary compression spring acting in the same direction as said first-named spring and also tending to hold said roller in engagement with the slack side of said chain, and a stop limiting expansion of said auxiliary spring.

2,044,720
LIQUID FUEL BURNER
James Fletcher, Akron, Ohio, assignor to The Babcock & Wilcox Company, Newark, N. J., a corporation of New Jersey
Application January 17, 1933, Serial No. 652,132
19 Claims. (Cl. 299—120)

19. A sprayer plate for a liquid fuel burner having a central substantially circular whirling chamber formed in one face thereof, a series of symmetrically arranged nozzle-forming slots formed in said face substantially tangentially to the circumference of said chamber and having

their inner ends opening to said chamber, an outer series of symmetrically arranged liquid fuel ports, each extending through said plate and opening into the outer end of a corresponding



slot, and a separate inner series of symmetrically arranged liquid fuel ports, each extending through said plate and opening through the bottom of one of said slots at an intermediate point therein.

2,044,721

MANUFACTURE OF LUBRICATING OIL

Francis X. Govers, Vincennes, Ind., assignor to Indian Refining Company, Lawrenceville, Ill., a corporation of Maine

No Drawing. Application March 29, 1933, Serial No. 663,341

3 Claims. (Cl. 196—17)

1. The process of manufacturing viscous lubricating oil having a pour test of 0° F. and below and a viscosity index of 100 and above from viscous wax-bearing mineral oil comprising mixing with the oil a solvent consisting of about 40% aniline and 60% isopropyl ether in proportion with the oil such that at 0° F. and below the mixture has substantially complete solvent action on the liquid hydrocarbons and substantially no solvent action on the solid hydrocarbons, and such that upon cooling the mixture of solvent and oil to 0° F. and removing the solid hydrocarbons precipitated and the solvent liquid, the resulting oil has a cold test of around 0° F., chilling the mixture to a temperature of 0° F. and below to precipitate the wax, removing the precipitated wax, vaporizing a large portion of the isopropyl ether from the dewaxed mixture, extracting the remaining mixture with aniline, a portion of which comprises aniline used in the dewaxing step, separating the mixture while at a temperature of around 60° F. into extract and raffinate phases, removing the raffinate phase, and removing the solvent from said raffinate phase to produce oil having the aforesaid characteristics.

2,044,722

MANUFACTURE OF LUBRICATING OIL

Francis X. Govers, Vincennes, Ind., assignor to Indian Refining Company, Lawrenceville, Ind., a corporation of Maine

No Drawing. Application March 13, 1934, Serial No. 715,299

6 Claims. (Cl. 196—17)

6. The method of manufacturing low pour test lubricating oil of high viscosity index from wax-bearing mineral oil comprising mixing with the oil a solvent liquid composed of liquid sulphur dioxide and a commercial amyl alcohol mixture boiling from about 241° to 277° F., the alcohol being in the predominant proportion, chilling the mixture to a temperature around 0° F. or below to precipitate wax constituents, removing the precipitated wax constituents, mixing further solvent liquid with the dewaxed mixture and increasing the concentration of liquid sulphur dioxide to provide a solvent mixture containing around 50% to 60% sulphur dioxide, forming an extract phase containing low viscosity index constituents dissolved in the solvent liquid and a raffinate phase comprising high viscosity index oil, separating the two phases, and removing the solvent therefrom.

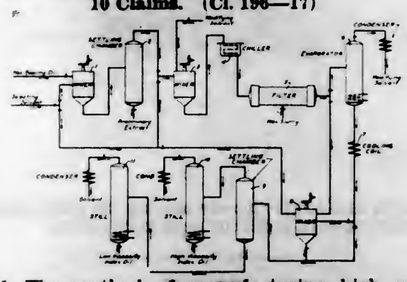
2,044,723

MANUFACTURE OF LUBRICATING OIL

Francis X. Govers, Vincennes, Ind., assignor to Indian Refining Company, Lawrenceville, Ill., a corporation of Maine

Original application March 9, 1933, Serial No. 660,098. Divided and this application June 4, 1934, Serial No. 728,960

10 Claims. (Cl. 196—17)



1. The method of manufacturing high viscosity index lubricating oil having a low pour test from wax-bearing mineral oil which comprises mixing with the oil a solvent liquid mixture composed of benzaldehyde and a modifying solvent liquid selected from the group consisting of benzol and toluol in proportions such that at temperatures of around 0° F. and below the mixture has substantially complete solvent action on the oil and substantially no solvent action on the wax, chilling the mixture to precipitate wax constituents of oil, removing the wax thus precipitated, removing from the resulting dewaxed mixture a suitable portion of the modifying solvent to thereby render the remaining solvent liquid selective as between constituents of the oil of differing viscosity index, and separating from the remaining mixture a fraction rich in constituents of high viscosity index and of low pour test.

4. The method according to claim 1 in which the oil is preliminarily extracted with a selective solvent comprising benzaldehyde.

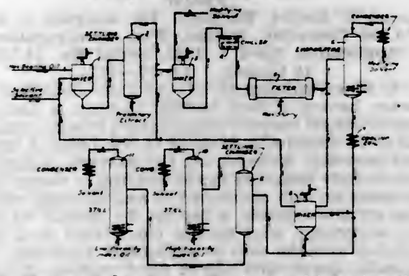
2,044,724

MANUFACTURE OF LUBRICATING OIL

Francis X. Govers, Vincennes, Ind., assignor to Indian Refining Company, Lawrenceville, Ill., a corporation of Maine

Original application March 29, 1933, Serial No. 663,341. Divided and this application June 4, 1934, Serial No. 728,961

8 Claims. (Cl. 196—17)



1. The method of manufacturing high viscosity index lubricating oil having a low pour test from

wax-bearing mineral oil which comprises mixing with the oil a solvent liquid mixture composed of aniline and a relatively more volatile modifying solvent liquid selected from the group consisting of benzol and toluol in proportions such that at temperatures of around 0° F. and below the mixture has substantially complete solvent action on the oil and substantially no solvent action on the wax, chilling the mixture to precipitate wax constituents of oil, removing the wax thus precipitated, removing from the resulting dewaxed mixture a suitable portion of the modifying solvent to thereby render the remaining solvent liquid selective as between constituents of the oil of differing viscosity index, and separating from the remaining mixture a fraction of desired viscosity index and low pour test.

2,044,725

MANUFACTURE OF LUBRICATING OIL

Francis X. Govers, Vincennes, Ind., assignor to Indian Refining Company, Lawrenceville, Ill., a corporation of Maine

No Drawing. Application August 8, 1934, Serial No. 738,932

10 Claims. (Cl. 196—17)

6. The process of manufacturing low cold test, high viscosity index, lubricating oil from wax-bearing mineral oil comprising mixing the oil with a mixture of benzaldehyde and amyl alcohol boiling from about 241° to 277° F., and comprising predominantly benzaldehyde, whereby the mixture separates into an extract layer and a raffinate layer containing wax constituents, removing the extract layer, adding further solvent liquids to said raffinate layer to form a mixture therewith containing benzaldehyde and amyl alcohol in proportions such that the solvent mixture has selective action as between wax and oil at temperatures of 0° F. and below, chilling the mixture to separate the wax, removing the wax thus separated, removing amyl alcohol from the dewaxed mixture in such proportion that the remaining solvent mixture exerts selective action as between differing viscosity index constituents of the dewaxed oil, and the mixture of oil and remaining solvent separates into layers, separately removing the layers, and recovering the solvent liquids therefrom.

10. The method according to claim 6 in which the oil is preliminarily mixed with amyl alcohol boiling from 241° to 277° F., and asphalt is separated and is removed from the oil and substantially all of the alcohol so mixed is retained in the oil to form a component part of the solvent used in the subsequent steps.

2,044,726

MANUFACTURE OF LUBRICATING OIL

Francis X. Govers, Vincennes, Ind., assignor to Indian Refining Company, Lawrenceville, Ill., a corporation of Maine

No Drawing. Application December 24, 1934, Serial No. 758,941

8 Claims. (Cl. 196—17)

7. In the process of separating from wax-bearing mineral lubricating oil a fraction of low pour test having a viscosity index of around 100 and above, which comprises mixing the oil with a mixture of liquid sulphur dioxide and ortho-dichlorbenzene containing less than 50% sulphur dioxide and in proportions such that the mixture has selective action as between wax and oil at temperatures of the order of 0° F. and below, chilling the mixture to separate the wax, removing the wax from the cold mixture, adding further cold liquid sulphur dioxide to the chilled dewaxed mixture, separating therefrom a raffinate phase comprising paraffinic oil and some solvent mixture, subjecting the separated raffinate phase to further extraction in the presence of liquid sulphur dioxide and dichlor-benzene in proportions such that low pour test paraffinic oil of desired high viscosity index is separated therefrom, and removing the solvent from the thus separated oil.

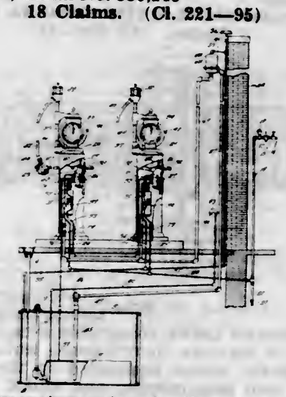
2,044,727

AIR RELEASE MECHANISM FOR DISPENSING APPARATUS

Clement P. Griffith, Fort Wayne, Ind., assignor to S. F. Bowser & Company, Inc., Fort Wayne, Ind., a corporation of Indiana

Continuation of application Serial No. 302,195, August 27, 1928. This application December 10, 1931, Serial No. 580,143

18 Claims. (Cl. 221—95)



1. A dispensing system for liquids comprising a gasoline line and a casing having an inlet and an outlet connected to the gasoline line, with the top of the casing vented to the atmosphere, a float in said casing, a pilot valve, a main valve, said valves controlling the flow of liquid through said outlet, and connections between said float and said valves to cause the pilot valve to open prior to the opening of the main valve.

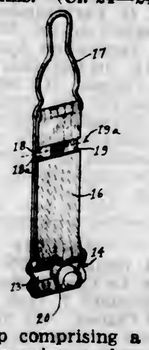
2,044,728

GARTER GRIP

Joseph Jacobs, Bridgeport, Conn., assignor to A. J. Donahue Corporation, Milford, Conn., a corporation of Connecticut

Application March 28, 1934, Serial No. 717,780

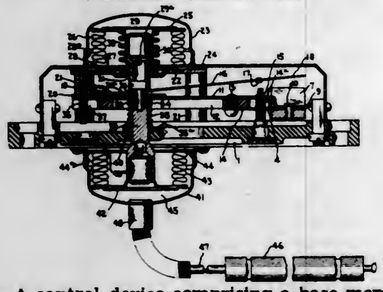
2 Claims. (Cl. 24—245)



1. A garter grip comprising a slotted button plate, an eye loop member, and an elongated tape

for connecting said button plate and eye loop member, said tape having one surface coated with a line of sticky adhesive material, said tape having bent-over end loops extending through and embracing said slotted button plate and eye loop members respectively, the surfaces of said bent-over end loops being in intimate adhering contact with the body of said tape for maintaining said plate and loop member in proper assembled position as a grip unit prior to the permanent attachment of said unit to a garter pad.

2,044,729
CONTROL DEVICE
Lewis W. Eggleston and Earnest J. Dillman, Detroit, Mich., assignors to Detroit Lubricator Company, Detroit, Mich., a corporation of Michigan
Application March 6, 1933, Serial No. 659,664
6 Claims. (Cl. 200—83)



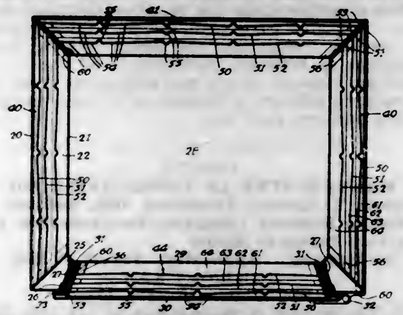
1. A control device comprising a base member having an aperture therethrough, automatically acting power means positioned on the opposite sides of said base member and alined with said aperture, a supporting member pivotally mounted on said base member and having an aperture therethrough alined with said first-named aperture, a resilient switch blade secured to said supporting member and having an aperture therethrough alined with said apertures, a contact member carried by said supporting member and cooperable with said blade, a thrust member extending through said apertures and operatively connecting said power means, and means on said thrust member engageable with and for actuating said blade.

2,044,730
PRODUCTION OF ARTIFICIAL MATERIALS
Erich Kuehn, Mannheim, and Heinrich Hopff, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application April 17, 1933, Serial No. 666,544. In Germany May 14, 1932
8 Claims. (Cl. 260—2)

1. The process for the production of artificial materials by condensing a polymeric vinyl alcohol with an aldehyde which comprises carrying out the condensation in a medium not miscible with water while removing the water formed during the reaction.

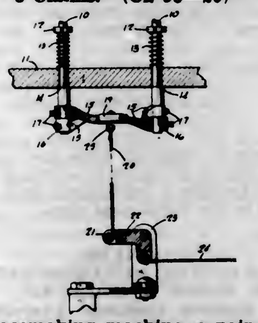
2,044,731
THERMAL INSULATION STRUCTURE
Joseph M. Le Grand, Heathsville, Va.
Application February 7, 1934, Serial No. 710,131
28 Claims. (Cl. 189—1)

1. In structure of the class described, a plurality of walls each formed by spaced wall surfaces defining a space to be insulated, and means for thermally insulating each of said walls which comprises a plurality of spaced metallic sheets of sufficient thickness and stiffness to retain preformed shape, said sheets being so arranged that the sheet next to the higher temperature wall is comparatively close thereto and the other sheets are spaced progressively farther apart toward the lower temperature wall, means located at spaced points around the periphery of said sheets and se-



cured to said sheets for holding said sheets in said spaced relation, said means including members engaging said wall surfaces and for supporting said sheets as a unit upon said wall surfaces, and means formed of non-heat-conducting material mounted upon the peripheral edges of said sheets and upon said spacing means for sealing apart from each other the spaces between said sheets and between said sheets and wall surfaces.

2,044,732
DRIVING CONNECTION FOR LACE MAKING MACHINES
Hugo Mehler, Churchville, Pa.
Application June 1, 1935, Serial No. 24,467
5 Claims. (Cl. 96—20)

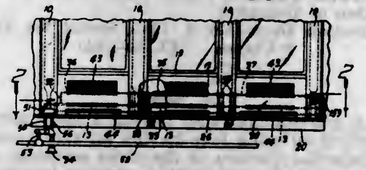


1. In a lacemaking machine, a pair of shafts, arms extending from each of the shafts, said arms having recesses in their extremities, said recesses defining a socket, a cross piece in the socket, and a link connected to said cross piece.

2,044,733
VEHICLE HEATING SYSTEM
William H. Mussey, Chicago, Ill., assignor to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application March 12, 1934, Serial No. 715,069
2 Claims. (Cl. 237—45)

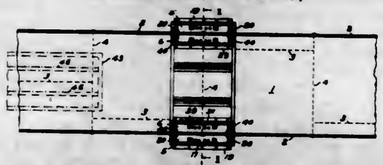
1. In combination with the side wall of a railway car comprising a plurality of spaced vertical

posts each having an inner flange and a web extended therefrom at a substantial angle to the length of the car, said web being straight throughout its height and being indented near its lower end with said inner flange wider at the indented portion, inner and outer wall members carried by the posts so as to enclose a plurality of separated wall spaces open to the car interior, radiating pipes secured to said posts at the indented portions thereof, deflector plates mounted behind and in spaced relation to the pipes within said



open spaces and secured at their upper sides to respectively adjacent inner wall members above the pipes so as to provide an air circulation passage behind the pipes, said pipes being spaced outwardly from the inner wall to provide an air circulation pasage in front of the pipes, said inner wall portions being provided with inlet and outlet passages respectively below and above the pipes, and means on those portions of the pipes adjacent the circulation passages to increase the heat transmitting surface of said portions of the pipes.

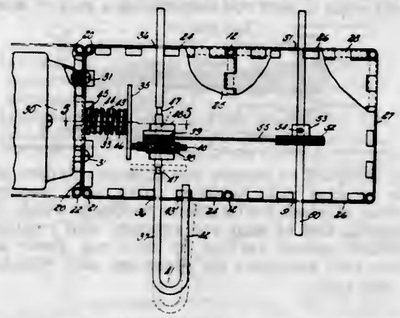
2,044,734
APPARATUS FOR STRESS RELIEVING WELDED JOINTS
Ray C. Newhouse, Waxwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a corporation of Delaware
Application May 23, 1932, Serial No. 613,018
15 Claims. (Cl. 266—5)



1. In an apparatus for locally heat treating a metal structure along a welded seam thereof, a casing adapted to form a heat retaining hood over said welded seam, extending the full length thereof, and means for heating said welded seam to a substantially uniform temperature throughout its length, the interior space of said casing being divided by partitions into a central zone adjacent to said welded seam, and lateral zones adjoining said central zone, to cause a gradual decrease of temperature from said heated seam to the adjacent portions of said metal structure.

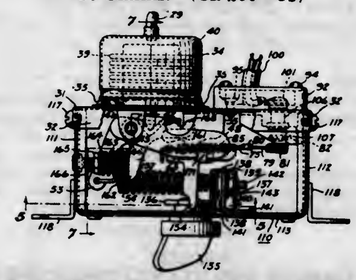
2,044,735
MOTORIZED CONSTRUCTION TOY
Henry Pelton, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application January 25, 1935, Serial No. 3,516
12 Claims. (Cl. 46—31)

11. In a construction toy of the character described and including a plurality of construction elements forming a supporting structure, a motor carried by said structure, a drive disk associated with the shaft of said motor, a longitudinally shiftable rod disposed at right angles to the axis of said disk and supported by said supporting structure, a friction wheel journaled on and held against axial movement relative to said rod and having its periphery engaging the face of said disk, means for holding said rod in adjusted



position, and a driving connection between said shaft and disk and including a coiled spring, and members on the shaft and disk and respectively engaging in a frictional manner in the opposite ends of said coiled spring, said spring urging said disk against said wheel.

2,044,736
CONTROL APPARATUS
Estel C. Raney, Columbus, Ohio, assignor to The Automatic Reclosing Circuit Breaker Company, Columbus, Ohio
Application January 23, 1936, Serial No. 60,446
26 Claims. (Cl. 200—83)

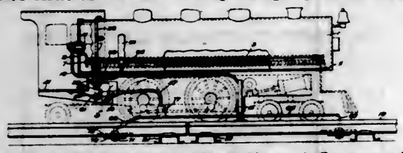


1. In a thermally responsive controller, relatively stationary and movable elements, snap acting mechanism for the movable element, means for actuating said snap acting mechanism, a cam, a cam follower associated with the cam, a finger connected with said snap acting mechanism, said cam having a shoulder arranged to engage said finger for causing the separation of said elements, a spring associated with the actuating means and connected with the cam follower for modifying the operation of the actuating means by movement of the cam.

2,044,737
TOY RAILWAY
William B. Ritchie and Ralph L. Delano, New Bedford, Mass., assignors to Weeden Manufacturing Corporation, New Bedford, Mass., a corporation of Massachusetts
Application July 7, 1932, Serial No. 621,228
2 Claims. (Cl. 246—174)

1. A toy railway having, in combination, a track comprising rails and adapted to support a wheeled vehicle having a whistle and a valve for control-

ling said whistle, means for operating said valve comprising a lever carried by said vehicle and extending lengthwise thereof, an elongated rod parallel to said rails forming a cam for actuating said lever, means for supporting each of the opposite ends of said rod comprising a pair of mem-



bers adapted to receive the adjacent flanges of a pair of said rails between them, said members having aligned perforations through which the adjacent end of said rod extends, and relatively movable means carried by said rod above and below said members for clamping said members to said rails.

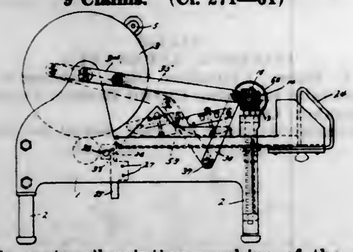
2,044,738

STENCIL-PRINTING MACHINE

Samuel Rodman, Oakland, Calif., assignor to Rodman Duplicator Corporation, a corporation of California

Application November 29, 1934, Serial No. 753,957

9 Claims. (Cl. 271—61)



1. In a stencil-printing machine of the character described, a frame, a guide-bar extending transversely of said frame and having its ends secured thereto, a guide-block associated with said guide-bar, and means for moving said guide-block slidably along on said guide-bar, said guide-block supporting a retarding finger.

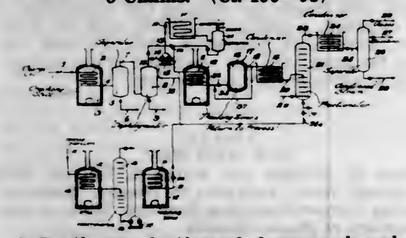
2,044,739

DEGUMMING AND STABILIZING HYDROCARBON DISTILLATES

Donald B. Stevens and Claron B. Payne, Pittsburgh, Pa., assignors, by mesne assignments, to Gulf Oil Corporation, Pittsburgh, Pa., a corporation of Pennsylvania

Application May 7, 1930, Serial No. 450,591

8 Claims. (Cl. 196—93)



1. In the production of degummed and stabilized gasoline, the process which comprises adding to such gasoline a small proportion of residual oil remaining after the distillation of a distillate which has been subjected to high heat and pressure to degum it, heating such mixture of gasoline and residual oil to a temperature between 700° and 800° F. under a pressure of the order of 1000 pounds for a period sufficient to degum it but less than 30 minutes.

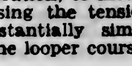
2,044,740

NAIL AND METHOD OF MAKING SAME

Harry S. Stronach, Oak Park, Ill., assignor to Strowan Corporation, Oak Park, Ill., a corporation of Delaware

Application December 4, 1935, Serial No. 52,744

9 Claims. (Cl. 10—54)



1. A non-splitting nail having a body portion, a reduced entering face having an area equal to a substantial portion of the cross sectional area of the nail body, and sloping surfaces joining the body and entering face, the entering face being roughened and cupped in formation.

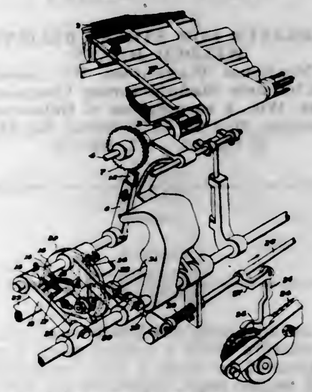
2,044,741

TAKE-UP MECHANISM FOR KNITTING MACHINES

Paul G. Stroud, Belmont, N. H., assignor to Belmont Hosiery Company, Belmont, N. H., a corporation of New Hampshire

Application November 28, 1933, Serial No. 700,118

9 Claims. (Cl. 66—149)



1. In a knitting machine, the combination with instrumentalities for automatically knitting a fabric and making a looper course in it, and means for maintaining a tension on the fabric during said knitting operation, of mechanism for automatically increasing the tension on the fabric temporarily substantially simultaneously with the knitting of the looper course.

2,044,742

COMPOSITE FERROUS BODIES

Percy A. E. Armstrong, Beverly Hills, Calif., and Raymond R. Rogers, New York, N. Y.; said Rogers assignor to said Armstrong

Application November 27, 1934, Serial No. 754,976

10 Claims. (Cl. 204—1)

1. The process of producing composite metal bodies which comprises preparing a mass of high melting point foundation metal so as substantially to eliminate oxide from a surface thereof, by pickling such surface in a bath comprising free hydrochloric acid, maintaining such surface wet with hydrochloric acid and thereby protecting such surface against exposure to the air or other oxidizing agent immersing such surface, while still wet, in a chloride plating bath comprising free hydrochloric acid and depositing electrolyti-



cally on such surface, a closely adhering metal coating, building up such coating with a facing of electrolytically deposited iron, and thereafter heating the foundation metal and coating to effect metallic diffusion between them.

2,044,743

TREATING AUSTENITIC STEEL

Edgar C. Bain and Robert H. Aborn, Short Hills, N. J., assignors to United States Steel Corporation, New York, N. Y., a corporation of New Jersey

No Drawing. Application May 4, 1935, Serial No. 19,865

4 Claims. (Cl. 148—12)

1. The method of treating austenitic iron-nickel-chromium steel alloys to render them resistant to corrosion in the temperature range 800° F. to 1500° F. and at all temperatures below 800° F. after heating in said range, which comprises cold working the steel and then heat-treating the steel to temperatures not in excess of 1500° F. but below the temperature of complete recrystallization for a time interval at least sufficient to effect a precipitation of substantially all of the carbon in excess of the solubility limit at the temperature of heating and at least sufficient to effect substantially uniform redistribution of the chromium throughout the said steel.

2,044,744

METHOD OF AND APPARATUS FOR TREATING FIBROUS, GRANULAR OR OTHER MATERIAL IN LOOSE FORM

Edwin H. Hansen, Braintree, Mass., assignor to Andrews & Goodrich, Inc., Dorchester, Mass., a corporation of Massachusetts

Application April 17, 1934, Serial No. 720,972

16 Claims. (Cl. 34—12)



1. The process of treating a batch of material which consists in delivering a jet of gaseous material-treating medium against said batch first on one side thereof and then on the other side thereof, thereby causing said batch as a unit to have a turbulent rolling or tumbling tendency first in one direction and then in the other.

14. Apparatus for treating material comprising a trough of concavely curved cross section, means to deposit a batch of material in such trough, means to produce a jet of gaseous material, and means to give said jet and said trough a relative movement transversely of the trough, whereby the jet of material is directed into the trough first along one side wall thereof so as to impinge against the material in the trough and subsequently along the other side wall thereof.

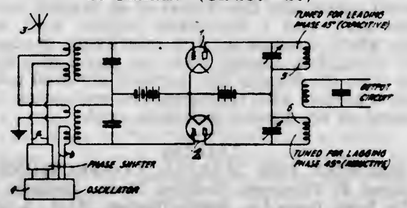
2,044,745

RECEIVING CIRCUITS

Clarence W. Hansell, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Application August 1, 1933, Serial No. 683,115

20 Claims. (Cl. 250—20)



1. The method of suppressing the effects of undesired bands of frequencies which includes receiving signal energies, generating local energies, beating the undesired energies with locally generated energies of like frequency but of different relative phases so as to produce beat frequency energies of different phases, then shifting the relative phases and combining the beat frequency energies in such a manner that they substantially balance out.

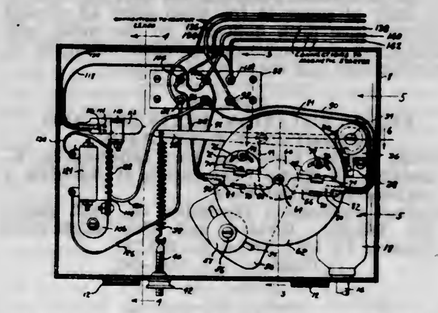
2,044,746

CIRCUIT CONTROLLING SYSTEM

William H. Hollinshead, St. Paul, Minn., assignor to Water Level Controls Company, St. Paul, Minn., a corporation

Original application March 16, 1934, Serial No. 715,898. Patent No. 2,012,428, dated August 27, 1935. Divided and this application April 8, 1935, Serial No. 15,205

4 Claims. (Cl. 175—320)

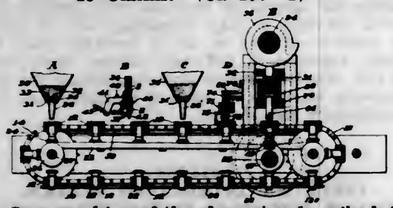


1. A circuit controlling system comprising a support mounted for rotative movement, a plurality of sets of contact members carried by said support, a source of pressure for imparting a to and fro rotative movement to said support, a circuit adapted to be closed by one of said sets, a resistor in said circuit, a heating coil in said circuit, a thermostat with which said coil is associated, a switch normally in closed position and opened by expansion of said thermostat, a stop wire and a start wire associated with a motor; a circuit including said switch and stop wire, and a circuit including the start wire adapted to be closed by another of said sets.

2,044,747
RESINOUS BODIES AND VARNISHES OBTAINED THEREWITH
Karl Ott, Hanns Bernard, and Friedrich Frick, Urdingen, Germany, assignors, by mesne assignments, to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application April 17, 1928, Serial No. 270,792
39 Claims. (Cl. 260—8)

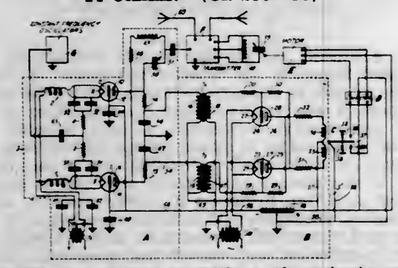
1. In processes of producing resinous bodies by condensation of a polyhydric alcohol with a compound containing the radical of an organic polybasic acid, and a monobasic organic acid, the step which consists in first esterifying partially the polyhydric alcohol with the monobasic acid and then condensing the partially acylated polyhydric alcohol with the compound containing the radical of an organic polybasic acid.

2,044,748
MACHINE FOR MAKING CONFECTIONS
Conrad E. Peterson, Malden, Mass., assignor to De Long Gum Co., South Boston, Mass., a corporation of Massachusetts
Application February 3, 1934, Serial No. 709,637
19 Claims. (Cl. 107—1)



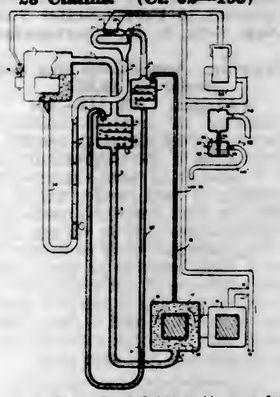
1. In a machine of the character described, the combination of a mold, mechanism for moving said mold along a predetermined path, a plurality of mechanisms spaced along said path and operative, respectively, to deliver charges of sugar and a core of chewing gum to said mold at predetermined points in its travel, additional means for approximately centering the core laterally in the body of sugar in the mold after all of said charges have been delivered to the mold, and mechanism for compressing each assembly of chewing gum and sugar so produced.

2,044,749
PHASE ROTATION DETECTOR AND FREQUENCY REGULATOR
George Lindley Usselman, Port Jefferson, N. Y., assignor to Radio Corporation of America, a corporation of Delaware
Original application December 10, 1932, Serial No. 646,674. Divided and this application October 26, 1933, Serial No. 695,287
14 Claims. (Cl. 250—36)



1. The combination with a thermionic relay having a high frequency oscillation circuit including tuning means, of means for controlling said tuning means to maintain the oscillations of said circuit at substantially constant frequency comprising, a source of oscillations of substantially constant frequency, a phase rotation detector comprising a pair of discharge tubes energized in phase by oscillations from said constant frequency source and energized by oscillations from said relay which are displaced in phase, a tripping circuit comprising differentially connected tubes having their input electrodes coupled with said phase rotation detector, driving means operatively interposed between the output electrodes of said tripping circuit tubes and said tuning means, and a regulating circuit interposed between said phase rotation detector and the control grids of said differentially connected tubes to determine the operativeness of the tripping circuit.

2,044,750
ART OF REFRIGERATION AND APPARATUS THEREFOR
Forrest Le Grand Bryant, New York, N. Y.
Application November 19, 1935, Serial No. 50,499
28 Claims. (Cl. 62—153)



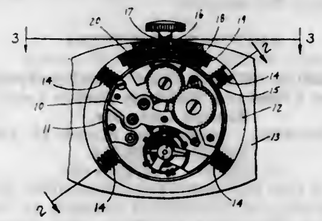
1. The process of refrigeration which comprises evaporating a liquid, absorbing the evolved vapor in a solvent, liberating this solute from solution by breaking it down into its chemically component parts, synthesizing these chemically component parts to form the original liquid again and utilizing the synthesized liquid to replenish that liquid which was evaporated.

2,044,751
ADJUSTABLE ARCH
James A. Fikany, Carbondale, Pa.
Application January 24, 1935, Serial No. 3,353
19 Claims. (Cl. 36—71)



3. An adjustable arch support for the foot, comprising in combination two arch-forming members slidable longitudinally with respect to each other, said members being provided with cooperating elements for varying the height of the arch as the two members are moved longitudinally.

2,044,752
FLOATING WATCH MOVEMENT
Harry A. Dunlap, Indianapolis, Ind.
Application February 27, 1936, Serial No. 65,967
3 Claims. (Cl. 58—88)



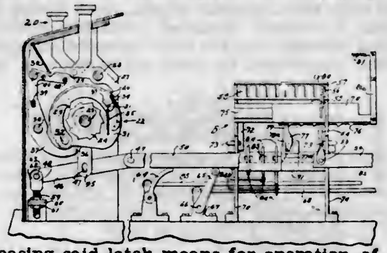
2. A timepiece having a supporting body having an aperture therein, a main spring actuated movement positioned within said body, means for resiliently supporting said movement in spaced relation to said body to permit relative movement therebetween, a winding stem extending from said movement through said aperture and spaced from said body, resilient packing material positioned between said body and movement adjacent to and surrounding said stem, cooperative means associated with said movement and body adjacent said stem for retaining the packing material in position to prevent passage of moisture or dust through said aperture, and a casing secured to and enclosing said body but spaced from said movement whereby relative movement is permitted between the casing and body and said stem and movement.

2,044,753
METHOD OF PRODUCING TITANIUM DIOXIDE
Leslie G. Jenness, Brooklyn, N. Y., assignor to Intermetal Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 17, 1932, Serial No. 617,878
10 Claims. (Cl. 134—58)

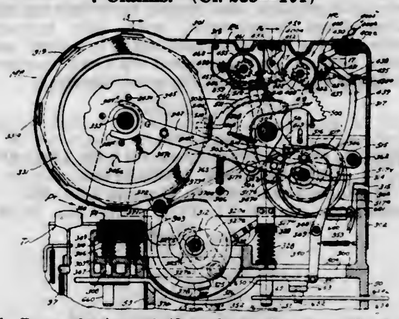
1. The method of obtaining oxide of titanium which comprises adding titanium tetrachloride to a solution of hydrochloric acid until a plastic mass is formed, and continuing the addition of titanium tetrachloride until the plastic mass is changed into a dry, granular, yellow powder; subjecting the powder to controlled temperatures until a fluffy white powder of titanium oxide is formed, and then separating the particles thereof and collecting those of the desired size.

2,044,754
AUTOMATIC KEYBOARD
George W. Lawrence, Los Angeles, Calif., assignor, by mesne assignments, to Postal Automatic Machines, Inc., a corporation of Delaware
Application October 23, 1931, Serial No. 570,622
3 Claims. (Cl. 235—132)

1. In a device of the character described, a register, keyboard mechanism comprising a series of keys and key bars, means for actuating said register, operating connections between said key bars and said means, locking means for said keyboard mechanism, a lock-control means connected with said locking means, means for operating said lock-control means, latch means for holding said lock-control means with the parts thereof in lock-released position, and means connected with said register for engaging and releasing said latch means for operation of said lock-control means by its operating means.



2,044,755
MULTIDENOMINATIONAL STAMP PRINTING AND VALUE METERING MACHINE
William J. Pearson and Thomas I. Brown, Los Angeles, Calif., assignors, by direct and mesne assignments, to Postal Automatic Machines, Inc., a corporation of Delaware
Application October 12, 1931, Serial No. 568,378
7 Claims. (Cl. 235—101)

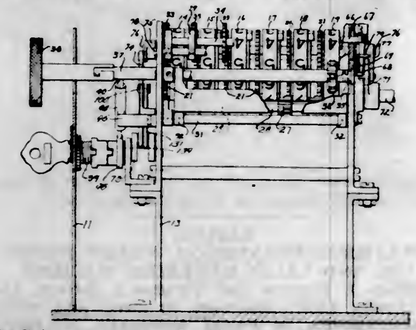


1. In a device of the character described rotatably adjustable denominational selector discs, selector elements thereon respectively representing different denominational values, an oscillatable stepped member associated with each of said discs, each stepped member being engageable by a selector element on its associated disc to position said stepped member differentially to represent the denominational value of the positioned selector element, means urging said stepped members against said selector elements; a register, an oscillatable register-operating gear sector associated with each stepped member and movable relative to said stepped member, and an oscillatable member positioned between said gear sector and its associated stepped member, said oscillatable member being operable to engage and drive its associated stepped member while the latter is selectively positioned by its respective selector element for defining the extent of movement of said register-operating sector to correspond with the denominational value represented by said positioned stepped member and by said denominational disc.

2,044,756
ZERO-SETTING DEVICE
William J. Pearson, Los Angeles, Calif., assignor to Postal Automatic Machines, Inc., a corporation of Delaware
Application October 23, 1931, Serial No. 570,621
4 Claims. (Cl. 235—144)

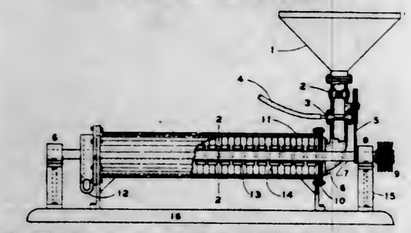
1. In a control register a series of numeral wheels, carry-over pinions for said numeral

wheels, means supporting said carry-over pinions and normally positioning said pinions in engagement with said numeral wheels, reset means including a slidably mounted rotatable shaft, a toothed element on said shaft adapted to be selectively positioned by axial adjustment of said



shaft to engage one of said numeral wheels, means normally holding said shaft against axial or rotative movement with said toothed element in disengaged position, and means for removing said pinions from engagement with said numeral wheels and for releasing said shaft to permit said toothed element to be engaged with said numeral wheels for resetting said numeral wheels.

2,044,757
METHOD OF DISPERSING PARTICLES AND APPARATUS THEREFOR
Matthew Forbes Cross, Kansas City, Mo.
Application March 11, 1936, Serial No. 68,282
10 Claims. (Cl. 83—13)

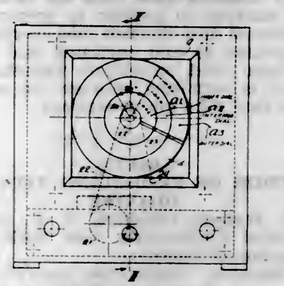


1. That improvement in methods of dispersing conglomerates of colloidal particles, which comprises mixing the conglomerates with a liquid, introducing the mixture into a closed, smooth cylindrical area, applying centrifugal pressure to the mixture to form a film and simultaneously applying resilient pressure to the exposed surface of the film in order to disintegrate the conglomerates and disperse the disintegrated particles throughout the mixture.

2,044,758
AQUEOUS SUSPENSION COMPOSITIONS
Roy Cross and Matthew Forbes Cross, Kansas City, Mo.
No Drawing. Application March 23, 1936, Serial No. 70,554
6 Claims. (Cl. 252—6)

1. As a new and improved composition of matter, a gelatinous suspension adapted to be employed for dispersion purposes, said suspension having a viscosity of from 1 to 80 centipoises, a specific gravity of from 1.01 to 2.25 and being composed of a brine having suspended therein from 1 to 10% of fuller's earth of the Florida-Georgia type.

2,044,759
RADIO RECEIVER
Jean Dreyfus, Paris, France
Application August 10, 1934, Serial No. 739,211
In France April 16, 1934
10 Claims. (Cl. 250—14)

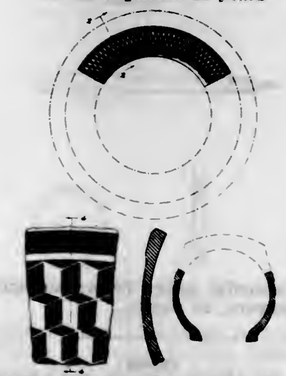


1. A radio receiver which comprises in combination, a loud speaker, a sound pervious tuning dial occupying a sound emitting orifice in the front of said radio receiver and carrying tuning inscriptions upon the rear surface thereof, and a source of light disposed behind the tuning dial capable of rendering the tuning inscriptions upon said tuning dial visible by the translucent character of the latter.

DESIGNS

JUNE 16, 1936

99,981
DESIGN FOR A TIRE
George W. Anderson, Akron, Ohio
Application December 7, 1935, Serial No. 59,953
Term of patent 14 years



The ornamental design for a tire, substantially as shown.

99,982
DESIGN FOR A RING
Salomon dit Charles Arpels, Paris, France, assignor to Société Van Cleef & Arpels, Paris, France, a corporation of France
Application March 26, 1936, Serial No. 61,797
Term of patent 7 years



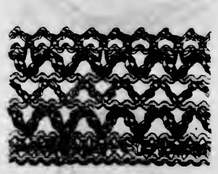
The ornamental design for a ring, as shown.

99,983
DESIGN FOR ELASTIC FABRIC OR SIMILAR ARTICLE
Harry Aull, Philadelphia, Pa., assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 3, 1936, Serial No. 61,934
Term of patent 7 years



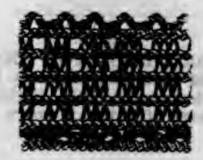
The ornamental design for elastic fabric or similar article as shown and described.

99,984
DESIGN FOR ELASTIC FABRIC OR SIMILAR ARTICLE
Harry Aull, Philadelphia, Pa., assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 3, 1936, Serial No. 61,935
Term of patent 7 years



The ornamental design for elastic fabric or similar article as shown and described.

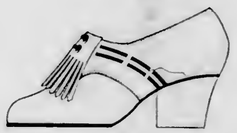
99,985
DESIGN FOR ELASTIC FABRIC OR SIMILAR ARTICLE
Harry Aull, Philadelphia, Pa., assignor to Friedberger-Aaron Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 3, 1936, Serial No. 61,936
Term of patent 7 years



The ornamental design for elastic fabric or similar article as shown and described.

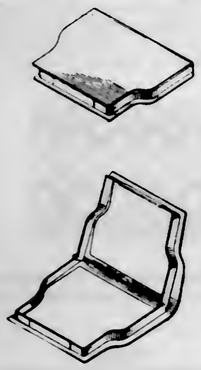
99,986
DESIGN FOR A SHOE
Jean W. Barbey, St. Davids, Pa.
Application May 14, 1936, Serial No. 62,637
Term of patent 3½ years





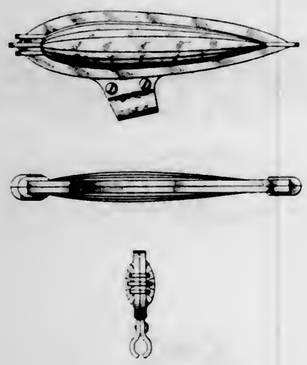
The ornamental design for a shoe substantially as shown.

99,987
DESIGN FOR A COMBINED DISPLAY AND CARRYING CASE
Hamilton C. Bates, Chester, Conn.
Application October 25, 1935, Serial No. 59,219
Term of patent 3½ years



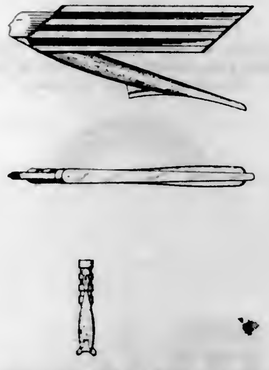
The ornamental design for a combined display and carrying case, as shown and described.

99,988
DESIGN FOR A RADIATOR ORNAMENT
Harold Brandies, Chicago, Ill.
Application February 28, 1936, Serial No. 61,399
Term of patent 7 years



The ornamental design for a radiator ornament, as shown.

99,989
DESIGN FOR AN AUTOMOBILE RADIATOR ORNAMENT
Harold Brandies, Chicago, Ill.
Application February 28, 1936, Serial No. 61,400
Term of patent 3½ years



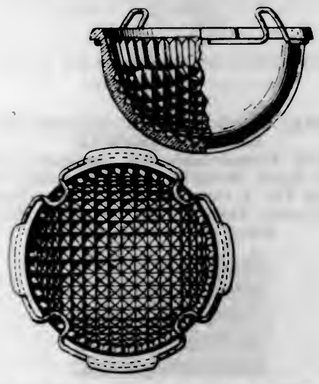
The ornamental design for an automobile radiator ornament, as shown.

99,990
DESIGN FOR LEATHER OR SIMILAR ARTICLE
Nathan Brezner, Newton, Mass.
Application September 7, 1935, Serial No. 58,468
Term of patent 7 years



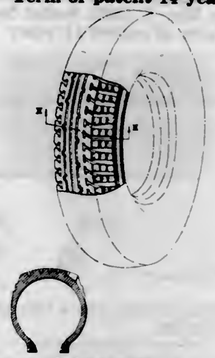
The ornamental design for leather or similar article substantially as shown and described.

99,991
DESIGN FOR A TRANSPARENT CAP FOR ELECTRIC LIGHT BULBS
Rudel Millett Bristol, Chicago, Ill.
Application March 6, 1936, Serial No. 61,569
Term of patent 7 years



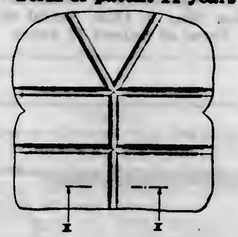
The ornamental design for a transparent cap for electric light bulbs as shown.

99,992
DESIGN FOR A TIRE
Harold A. Brittain, Akron, Ohio, assignor to Mid-Continent Petroleum Corporation, Tulsa, Okla., a corporation of Kentucky
Application April 29, 1936, Serial No. 62,366
Term of patent 14 years



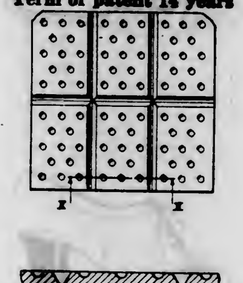
The ornamental design for a tire, as shown.

99,993
DESIGN FOR TOASTED BREAD
William H. Brooks, Fairfax, Calif.
Application April 14, 1936, Serial No. 62,118
Term of patent 14 years



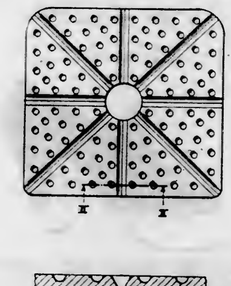
The ornamental design for toasted bread, substantially as shown and described.

99,994
DESIGN FOR TOASTED BREAD
William H. Brooks, Fairfax, Calif.
Application April 27, 1936, Serial No. 62,319
Term of patent 14 years



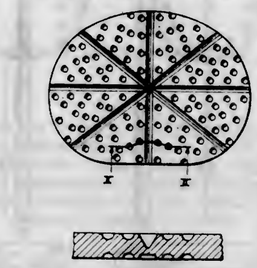
The ornamental design for toasted bread, substantially as shown and described.

99,995
DESIGN FOR TOASTED BREAD
William H. Brooks, Fairfax, Calif.
Application April 27, 1936, Serial No. 62,320
Term of patent 14 years



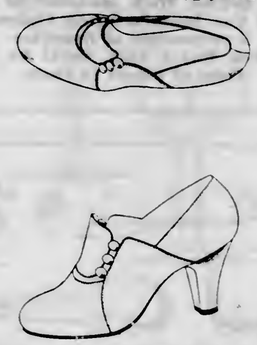
The ornamental design for toasted bread, substantially as shown and described.

99,996
DESIGN FOR TOASTED BREAD
William H. Brooks, Fairfax, Calif.
Application April 27, 1936, Serial No. 62,321
Term of patent 14 years



The ornamental design for toasted bread, substantially as shown and described.

99,997
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Adolph Wertheim, New York, N. Y.
Application May 4, 1936, Serial No. 62,454
Term of patent 3½ years



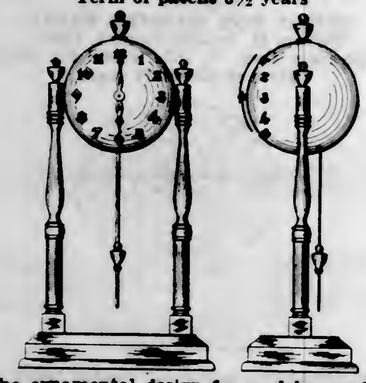
The ornamental design for a shoe or similar article, substantially as shown.

99,996
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Adolph Wertheim, New York, N. Y.
Application May 4, 1936, Serial No. 62,455
Term of patent 3½ years



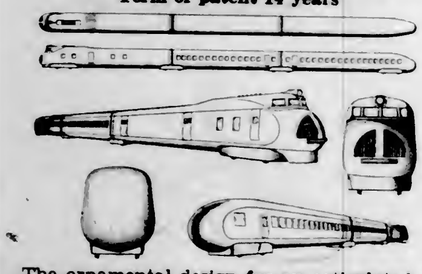
The ornamental design for a shoe or similar article, substantially as shown.

99,999
DESIGN FOR A GLOBE PENDULUM CLOCK
Ben Braude, Chicago, Ill.
Application May 12, 1936, Serial No. 62,604
Term of patent 3½ years



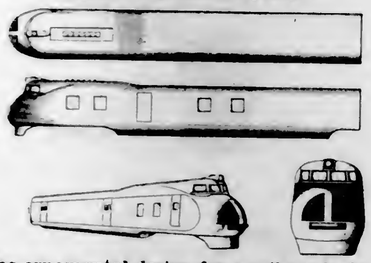
The ornamental design for a globe pendulum clock as shown.

100,000
DESIGN FOR AN ARTICULATED RAIL CAR OR SIMILAR ARTICLE
Everett Eugene Adams, Martin P. Blomberg, and William H. Mussey, Chicago, Ill., and William B. Stout, Detroit, Mich., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application May 9, 1935, Serial No. 56,754
Term of patent 14 years



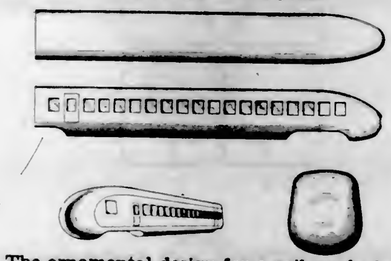
The ornamental design for an articulated rail car or similar article as shown.

100,001
DESIGN FOR A RAIL CAR BODY
Everett Eugene Adams, Martin P. Blomberg, and William H. Mussey, Chicago, Ill., and William B. Stout, Detroit, Mich., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application May 9, 1935, Serial No. 56,755
Term of patent 14 years



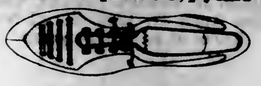
The ornamental design for a rail car body substantially as shown.

100,002
DESIGN FOR A RAIL CAR BODY
Everett Eugene Adams, Martin P. Blomberg, and William H. Mussey, Chicago, Ill., and William B. Stout, Detroit, Mich., assignors to Pullman-Standard Car Manufacturing Company, Chicago, Ill., a corporation of Delaware
Application May 9, 1935, Serial No. 56,757
Term of patent 14 years



The ornamental design for a rail car body substantially as shown.

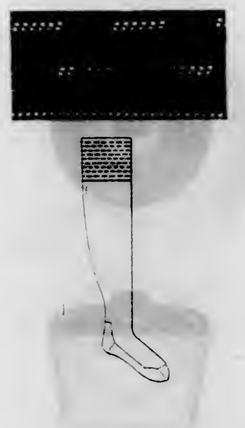
100,003
DESIGN FOR A SHOE
Martin Zuckerman, Cincinnati, Ohio
Application May 16, 1936, Serial No. 62,677
Term of patent 3½ years





The ornamental design for a shoe substantially as shown.

100,004
DESIGN FOR A STOCKING
John E. Quinn, Philadelphia, Pa.
Application January 2, 1936, Serial No. 60,377
Term of patent 14 years



The ornamental design for a stocking, as shown and described.

100,005
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Edward J. Conroy, New Haven, Conn., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application April 25, 1936, Serial No. 62,307
Term of patent 7 years



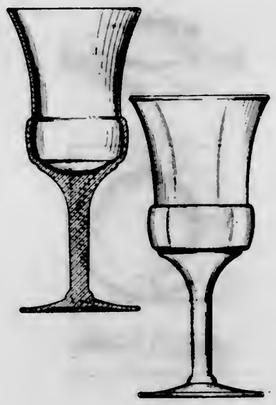
The ornamental design for a spoon or other article of flat-ware, substantially as shown and described.

100,006
DESIGN FOR A SHOE
James M. Derr, Ripley, Ohio
Application April 16, 1936, Serial No. 62,147
Term of patent 3½ years



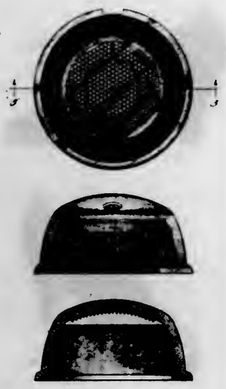
The ornamental design for a shoe, as shown.

100,007
DESIGN FOR A GLASS GOBLET
George Dougherty, Morgantown, W. Va., assignor to Morgantown Glass Works, Morgantown, W. Va., a corporation of West Virginia
Application February 17, 1936, Serial No. 61,208
Term of patent 7 years



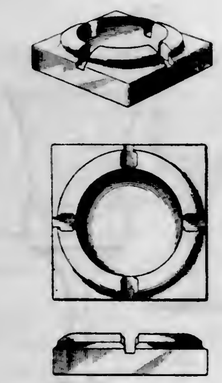
The ornamental design for a glass goblet as shown.

100,008
DESIGN FOR A STOP AND TAIL LAMP LENS
Samuel M. Dover, Chicago, Ill.
Application July 20, 1935, Serial No. 57,751
Term of patent 14 years



The ornamental design for a stop and tail lamp lens substantially as shown.

100,009
DESIGN FOR AN ASHTRAY OR SIMILAR ARTICLE OF MANUFACTURE
Herbert Gordon Dyke, Larchmont, N. Y.
Application April 5, 1935, Serial No. 56,225
Term of patent 7 years



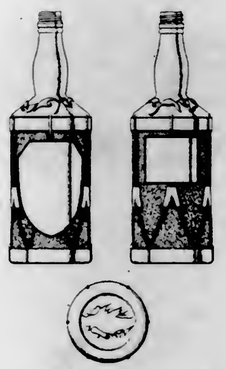
The ornamental design for an ash tray or similar article of manufacture, substantially as shown.

100,010
DESIGN FOR A JAR
Davis Factor, Los Angeles, Calif., assignor to Max Factor & Co., Los Angeles, Calif., a corporation of Delaware
Application April 8, 1935, Serial No. 56,264
Term of patent 14 years



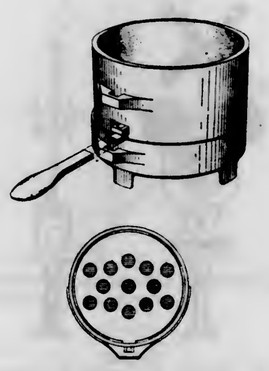
The ornamental design for a jar, as shown.

100,011
DESIGN FOR A BOTTLE
Edwin M. Fleischmann, Baltimore, Md., assignor to Maryland Distillery, Inc., Relay, Md., a corporation of Maryland
Application December 12, 1935, Serial No. 60,033
Term of patent 14 years



The ornamental design for a bottle, as shown and described.

100,012
DESIGN FOR A STOVE
Henry L. Ford, Kingsport, Tenn., assignor to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application November 14, 1935, Serial No. 59,568
Term of patent 14 years



The ornamental design for a stove, as shown and described.

100,013
DESIGN FOR A DANCING FIGURE ORNAMENT
Lester K. Franklin, Chicago, Ill.
Application May 9, 1936, Serial No. 62,573
Term of patent 7 years



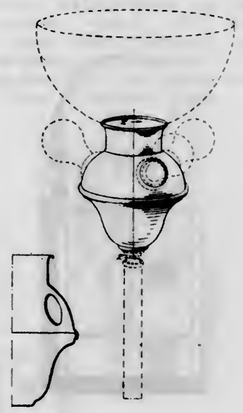
The ornamental design for a dancing figure ornament substantially as shown.

100,014
DESIGN FOR A JAR
Edwin W. Fuerst, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application April 14, 1936, Serial No. 62,116
Term of patent 14 years



The ornamental design for a jar substantially as shown.

100,015
DESIGN FOR A LIGHTING FIXTURE
Clarence A. Godshalk, Ardmore, Pa., assignor to Godshalk Company, Philadelphia, Pa., a corporation of Pennsylvania
Application April 13, 1936, Serial No. 62,106
Term of patent 7 years



The ornamental design for a lighting fixture as shown and described.

100,016
DESIGN FOR A CANDLESTICK OR SIMILAR ARTICLE
Leonard A. Goldsmith, Chicago, Ill., assignor to Pearl T. Goldsmith, Chicago, Ill.
Application April 24, 1936, Serial No. 62,284
Term of patent 14 years



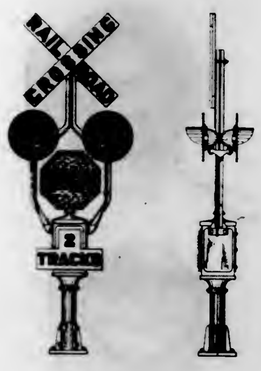
The ornamental design for a candle stick or similar article as shown.

100,017
DESIGN FOR A COMBINATION STORAGE AND REFRIGERATOR CABINET
Lionel J. Gottschalk, New Orleans, La.
Application October 9, 1935, Serial No. 58,904
Term of patent 3½ years



The ornamental design for a combination storage and refrigerator cabinet, as shown.

100,018
DESIGN FOR A RAILWAY CROSSING SIGNAL
Frank W. Griswold, Minneapolis, Minn.
Application December 30, 1935, Serial No. 60,345
Term of patent 14 years



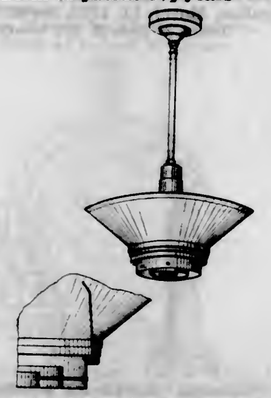
The ornamental design for a railway crossing signal, as shown.

100,019
DESIGN FOR AN ILLUMINATING FIXTURE
Edwin F. Guth, Webster Groves, Mo.
Application March 12, 1936, Serial No. 61,603
Term of patent 3½ years



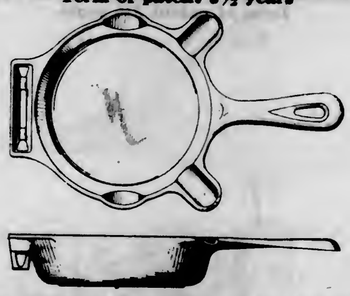
The ornamental design for an illuminating fixture, substantially as shown.

100,020
DESIGN FOR AN ILLUMINATING FIXTURE
Edwin F. Guth, Webster Groves, Mo.
Application March 12, 1936, Serial No. 61,604
Term of patent 3½ years



The ornamental design for an illuminating fixture, substantially as shown.

100,021
DESIGN FOR AN ASHTRAY
Roger Wolcott Griswold, Erie, Pa.
Application March 30, 1936, Serial No. 61,852
Term of patent 3½ years



The ornamental design for an ashtray, as shown.

100,022
DESIGN FOR A BURIAL VAULT HANDLE
Roe P. Henderson, Springfield, Ohio, assignor to The Springfield Metallic Casket Company, Springfield, Ohio, a corporation of Ohio
Application April 24, 1936, Serial No. 62,281
Term of patent 7 years



The ornamental design for a burial vault handle, as shown.

100,023
DESIGN FOR A GRAVE VAULT
Roe P. Henderson, Springfield, Ohio, assignor to The Springfield Metallic Casket Company, Springfield, Ohio, a corporation of Ohio
Application April 24, 1936, Serial No. 62,282
Term of patent 7 years



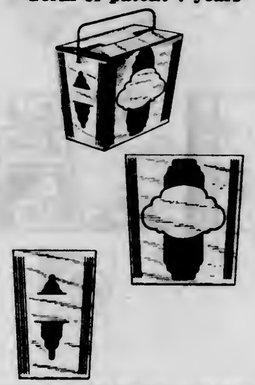
The ornamental design for a grave vault, as shown.

100,024
DESIGN FOR A SHELL ASHTRAY
Allen H. Hutchinson, Hamilton Square, N. J.
Application September 28, 1935, Serial No. 58,755
Term of patent 3½ years



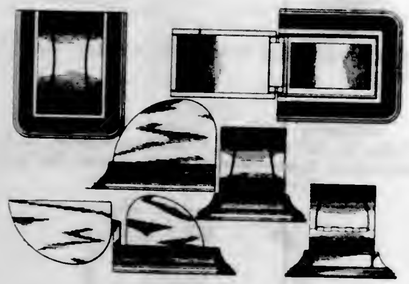
The ornamental design for a shell ash tray, as shown.

100,025
DESIGN FOR A PAPER PAIL OR THE LIKE
Tinsley T. Jepson, Neenah, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application April 23, 1936, Serial No. 62,261
Term of patent 7 years



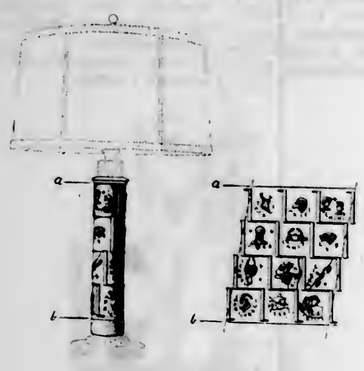
The ornamental design for a paper pail or the like, as shown and described.

100,026
DESIGN FOR A WATCH DISPLAY BOX
Benjamin S. Katz, Cincinnati, Ohio, assignor to The Gruen Watch Company, Cincinnati, Ohio, a corporation of Ohio
Application March 13, 1936, Serial No. 61,616
Term of patent 7 years



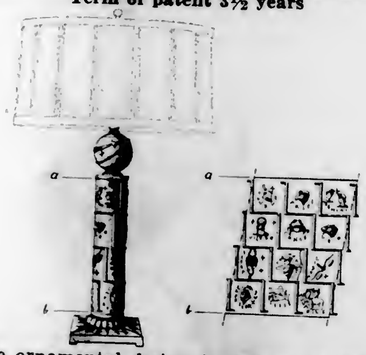
The ornamental design for a watch display box substantially as shown.

100,027
DESIGN FOR A LAMP OR SIMILAR ARTICLE
William Klehr, Forest Hills, N. Y., assignor to Edward F. Caldwell & Co. Inc., New York, N. Y., a corporation of New York
Application March 11, 1936, Serial No. 61,584
Term of patent 3½ years



The ornamental design for a lamp or similar article, substantially as shown and described.

100,028
DESIGN FOR A LAMP OR SIMILAR ARTICLE
William Klehr, Forest Hills, N. Y., assignor to Edward F. Caldwell & Co. Inc., New York, N. Y., a corporation of New York
Application March 11, 1936, Serial No. 61,585
Term of patent 3½ years



The ornamental design for a lamp or similar article, substantially as shown and described.

100,029
DESIGN FOR A LAMP OR SIMILAR ARTICLE
William Klehr, Forest Hills, N. Y., assignor to Edward F. Caldwell & Co. Inc., New York, N. Y., a corporation of New York
Application March 11, 1936, Serial No. 61,586
Term of patent 3½ years



The ornamental design for a lamp or similar article, substantially as shown and described.

100,030
DESIGN FOR A PHOTOGRAPHIC MOUNT
Emil Koudelka, New York, N. Y.
Application December 18, 1935, Serial No. 60,157
Term of patent 3½ years



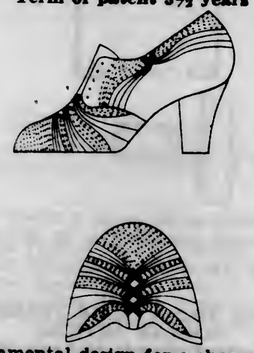
The ornamental design for a photographic mount, as shown.

100,031
DESIGN FOR A LAMP BASE OR SIMILAR ARTICLE
Harry M. Laxer, New York, N. Y., assignor to Idealite, Inc., New York, N. Y., a corporation of New Jersey
Application March 19, 1936, Serial No. 61,694
Term of patent 3½ years



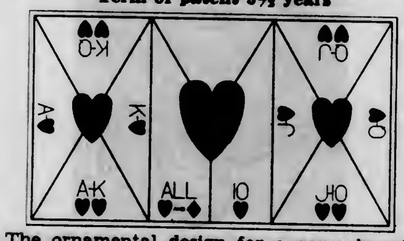
The ornamental design for a lamp base or similar article, as shown and described.

100,032
DESIGN FOR A SHOE OR SIMILAR ARTICLE
David E. Levin, New York, N. Y., assignor to The Florsheim Shoe Company, Chicago, Ill., a corporation of Illinois
Application February 27, 1936, Serial No. 61,380
Term of patent 3½ years



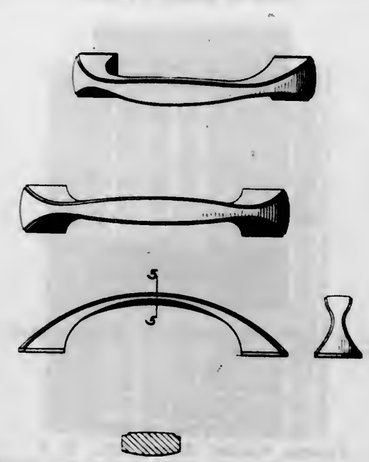
The ornamental design for a shoe or a similar article as shown and described.

100,033
DESIGN FOR A GAME BOARD
Lester Levy, San Francisco, Calif.
Application March 17, 1936, Serial No. 61,673
Term of patent 3½ years



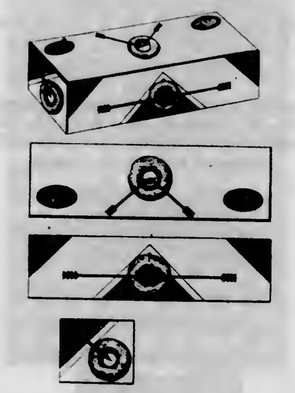
The ornamental design for a game board as shown and described.

100,034
DESIGN FOR A DRAWER HANDLE
Fred W. McCormick, Grand Rapids, Mich.
Application April 17, 1936, Serial No. 62,185
Term of patent 14 years



The ornamental design for a drawer handle as shown.

100,035
DESIGN FOR A CARTON
Morris Messing, New York, N. Y., assignor to Messing Bakeries Incorporated, Brooklyn, N. Y., a corporation of New York
Application February 19, 1936, Serial No. 61,240
Term of patent 14 years



The ornamental design for a carton, as shown.

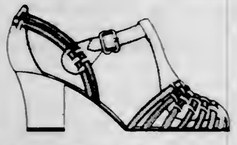
100,036
DESIGN FOR ELASTIC FABRIC
Frank Murray, West Leesport, Pa., assignor to The Narrow Fabric Company, West Reading, Pa., a corporation of Pennsylvania
Application April 16, 1936, Serial No. 62,168
Term of patent 7 years



The ornamental design for elastic fabric, as shown and described.

100,037
DESIGN FOR A SHOE
George Naidor, Jersey City, N. J.
Application May 16, 1936, Serial No. 62,678
Term of patent 3½ years





The ornamental design for a shoe, substantially as shown.

100,038
DESIGN FOR A BOW FOR A SHOE
William F. O'Brien, New Rochelle, N. Y.
Application May 5, 1936, Serial No. 62,479
Term of patent 3½ years





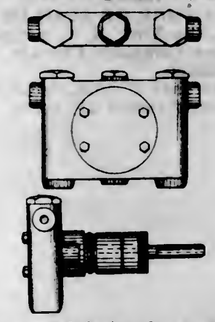
The ornamental design for a bow for a shoe substantially as shown and described.

100,039
DESIGN FOR A COCKTAIL DRINKING GLASS
Joll Perry, New York, N. Y.
Application April 18, 1936, Serial No. 62,196
Term of patent 3½ years



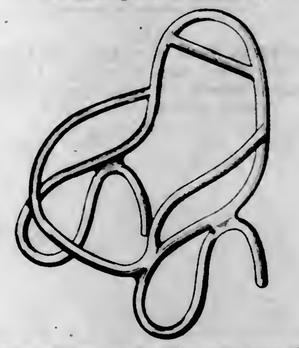
The ornamental design for a cocktail drinking glass, as shown.

100,040
DESIGN FOR A ROTARY PUMP AND REVERSIBLE HEAD COMBINATION
Peter C. Petersen, Cedar Falls, Iowa, assignor to Viking Pump Company, Cedar Falls, Iowa, a corporation of Iowa
Application October 24, 1935, Serial No. 59,207
Term of patent 7 years



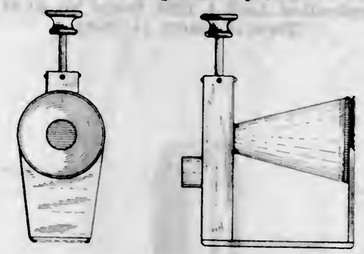
The ornamental design for a rotary pump and reversible head combination, as shown.

100,041
DESIGN FOR A CHAIR FRAME OR SIMILAR ARTICLE
Charles F. Rauch, St. Louis, Mo.
Application May 8, 1936, Serial No. 62,533
Term of patent 14 years



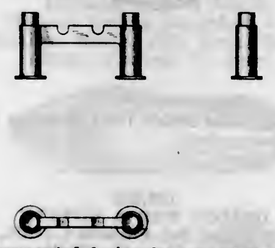
The ornamental design for a chair frame or similar article, as shown.

100,042
DESIGN FOR A COMMODITY DISPENSER
Robert Lee Richardson, Napa, Calif.
Application April 8, 1936, Serial No. 62,018
Term of patent 7 years



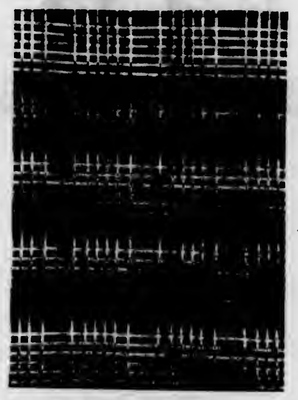
The ornamental design for a commodity dispenser, substantially as shown.

100,043
DESIGN FOR A COMBINED CIGARETTE HOLDER, ASHTRAY, AND EXTINGUISHER
Harold E. Ridewood, Victoria, British Columbia, Canada
Application July 17, 1935, Serial No. 57,699
Term of patent 3½ years



The ornamental design for a combined cigarette holder, ashtray, and extinguisher, as shown.

100,044
DESIGN FOR A MESH FABRIC FOR A CURTAIN OR SIMILAR ARTICLE
Max Sadinoff, New York, N. Y.
Application May 2, 1936, Serial No. 62,441
Term of patent 3½ years



The ornamental design for a mesh fabric for a curtain or similar article as shown and described.

100,045
DESIGN FOR A MESH FABRIC FOR A CURTAIN OR SIMILAR ARTICLE
Max Sadinoff, New York, N. Y.
Application May 2, 1936, Serial No. 62,442
Term of patent 3½ years



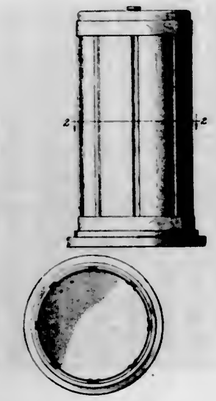
The ornamental design for a mesh fabric for a curtain or similar article as shown and described.

100,046
DESIGN FOR A MESH FABRIC FOR A CURTAIN OR SIMILAR ARTICLE
Max Sadinoff, New York, N. Y.
Application May 2, 1936, Serial No. 62,443
Term of patent 3½ years



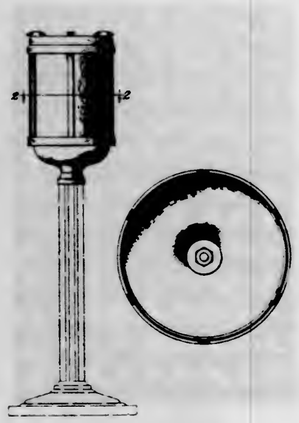
The ornamental design for a mesh fabric for a curtain or similar article as shown and described.

100,047
DESIGN FOR A SMOKING STAND
Edward Schultz, Chicago, Ill., assignor to The Nagel-Chase Mfg. Co., Chicago, Ill., a corporation of Illinois
Application January 18, 1936, Serial No. 60,645
Term of patent 14 years



The ornamental design for a smoking stand, as shown and described.

100,048
DESIGN FOR A SMOKING STAND
Edward Schultz, Chicago, Ill., assignor to The Nagel-Chase Mfg. Co., Chicago, Ill., a corporation of Illinois
Application January 18, 1936, Serial No. 60,646
Term of patent 14 years



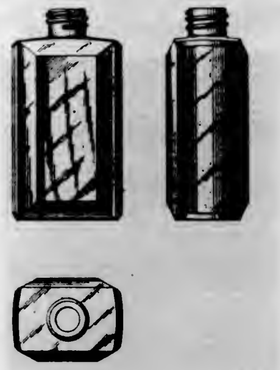
The ornamental design for a smoking stand, as shown and described.

100,049
DESIGN FOR A SMOKING STAND
Edward Schultz, Chicago, Ill., assignor to The Nagel-Chase Mfg. Co., Chicago, Ill., a corporation of Illinois
Application April 4, 1936, Serial No. 61,941
Term of patent 14 years



The ornamental design for a smoking stand, as shown and described.

100,050
DESIGN FOR A BOTTLE
James C. Sheridan, San Francisco, Calif., assignor to Carr-Lowrey Glass Co., Baltimore, Md.
Application February 18, 1936, Serial No. 61,230
Term of patent 14 years



The ornamental design for a bottle, as shown.

100,051
DESIGN FOR A COAT
Charles Siegerman, New York, N. Y.
Application May 16, 1936, Serial No. 62,669
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

100,052
DESIGN FOR A SHOE
Michael Simons, Brooklyn, N. Y.
Application May 8, 1936, Serial No. 62,536
Term of patent 3½ years



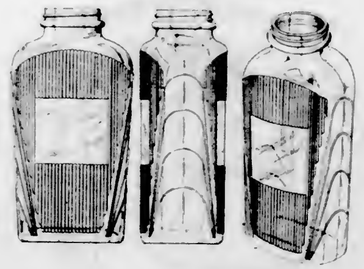
The ornamental design for a shoe, substantially as shown.

100,053
DESIGN FOR A SHOE
Charles W. Smith, Rochester, N. Y.
Application May 14, 1936, Serial No. 62,632
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

100,054
DESIGN FOR A BOTTLE
George Smith, Jr., Olean, N. Y., assignor to Olean Glass Company, Olean, N. Y., a corporation of New York
Application April 9, 1936, Serial No. 62,023
Term of patent 7 years



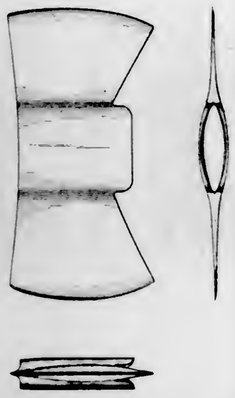
The ornamental design for a bottle substantially as shown.

100,055
DESIGN FOR A BOTTLE
George Smith, Jr., Olean, N. Y., assignor to Olean Glass Company, Olean, N. Y., a corporation of New York
Application April 16, 1936, Serial No. 62,159
Term of patent 7 years



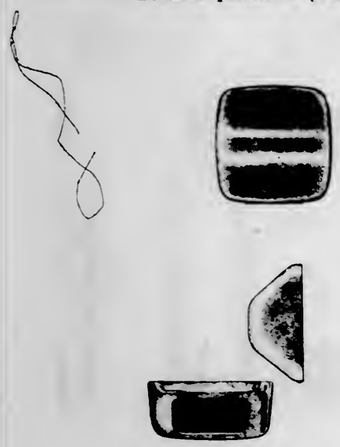
The ornamental design for a bottle substantially as shown.

100,056
DESIGN FOR AN AX HEAD
Howard A. Vaughan, Evanston, Ill., assignor to Vaughan & Bushnell Mfg. Co., Chicago, Ill., a corporation of Illinois
Application March 16, 1935, Serial No. 55,896
Term of patent 7 years



The ornamental design for an ax head, substantially as shown and described.

100,057
DESIGN FOR AN ASH RECEIVER
John Visser, Grand Rapids, Mich., assignor, by mesne assignments, to F. L. Jacobs Company, Detroit, Mich., a corporation of Michigan
Application February 24, 1936, Serial No. 61,328
Term of patent 14 years



The ornamental design for an ash receiver, as shown.

100,058
DESIGN FOR A BUCKLE
John J. Walsh, St. Louis, Mo., assignor to Alterson Co., Inc., New York, N. Y., a corporation of New York
Application May 14, 1936, Serial No. 62,625
Term of patent 3½ years





The ornamental design for a buckle substantially as shown.

100,059
DESIGN FOR A BUCKLE
John J. Walsh, St. Louis, Mo., assignor to Alterson Co., Inc., New York, N. Y., a corporation of New York
Application May 14, 1936, Serial No. 62,626
Term of patent 3½ years





The ornamental design for a buckle substantially as shown.

100,060
DESIGN FOR A BUCKLE
John J. Walsh, St. Louis, Mo., assignor to Alterson Co., Inc., New York, N. Y., a corporation of New York
Application May 14, 1936, Serial No. 62,627
Term of patent 3½ years





The ornamental design for a buckle substantially as shown.

100,061
DESIGN FOR A BUCKLE
John J. Walsh, St. Louis, Mo., assignor to Alterson Co., Inc., New York, N. Y., a corporation of New York
Application May 14, 1936, Serial No. 62,628
Term of patent 3½ years



The ornamental design for a buckle substantially as shown.

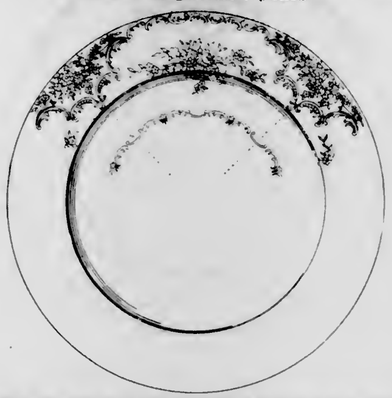
100,062
DESIGN FOR A BUCKLE
John J. Walsh, St. Louis, Mo., assignor to Alterson Co., Inc., New York, N. Y., a corporation of New York
Application May 14, 1936, Serial No. 62,629
Term of patent 3½ years





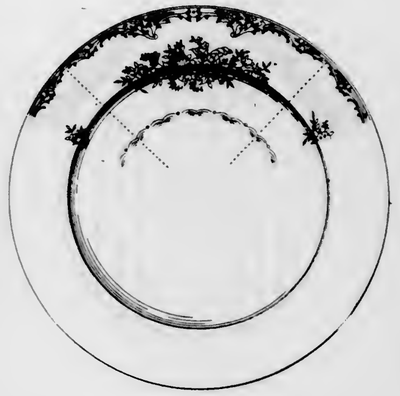
The ornamental design for a buckle substantially as shown.

100,063
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application October 16, 1935, Serial No. 59,041
Term of patent 7 years



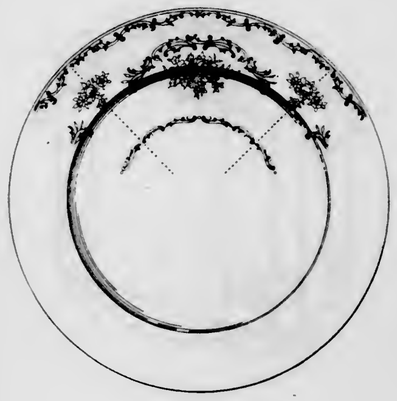
The ornamental design for a plate or similar article, as shown and described.

100,064
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application October 16, 1935, Serial No. 59,049
Term of patent 7 years



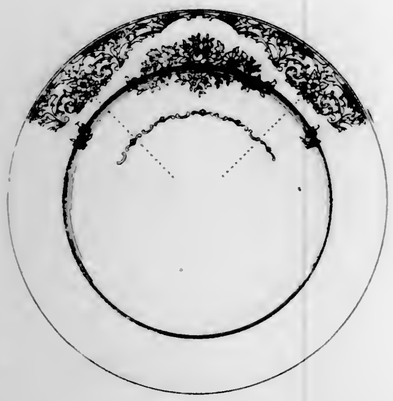
The ornamental design for a plate or similar article, as shown and described.

100,065
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application October 16, 1935, Serial No. 59,052
Term of patent 7 years



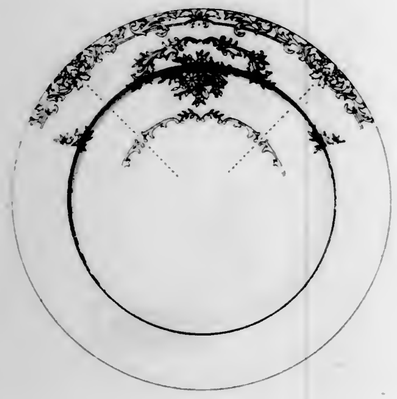
The ornamental design for a plate or similar article, as shown and described.

100,066
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application October 16, 1935, Serial No. 59,057
Term of patent 7 years



The ornamental design for a plate or similar article, as shown and described.

100,067
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application October 16, 1935, Serial No. 59,060
Term of patent 7 years



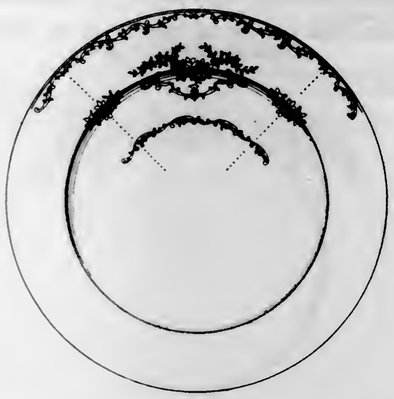
The ornamental design for a plate or similar article, as shown and described.

100,068
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application October 16, 1935, Serial No. 59,063
Term of patent 7 years



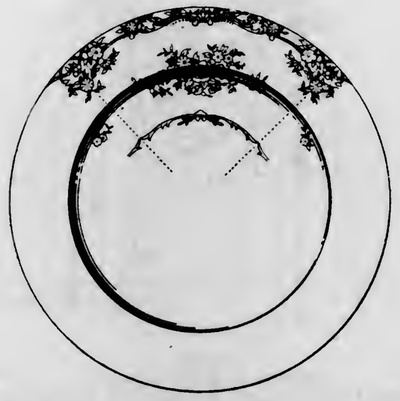
The ornamental design for a plate or similar article, as shown and described.

100,069
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application October 16, 1935, Serial No. 59,067
Term of patent 7 years



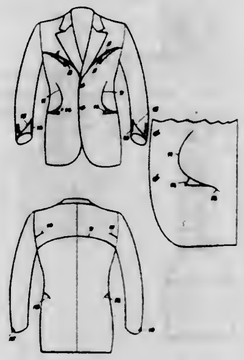
The ornamental design for a plate or similar article, as shown and described.

100,070
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Yukio Buma, New York, N. Y., assignor to Morimura Bros. Inc., New York, N. Y., a corporation of Japan
Application October 16, 1935, Serial No. 59,074
Term of patent 7 years



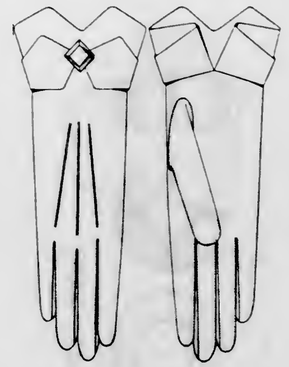
The ornamental design for a plate or similar article, as shown and described.

100,071
DESIGN FOR A COAT OR SIMILAR ARTICLE
George A. Brunell, Toronto, Ontario, Canada
Application March 30, 1936, Serial No. 61,865
Term of patent 7 years



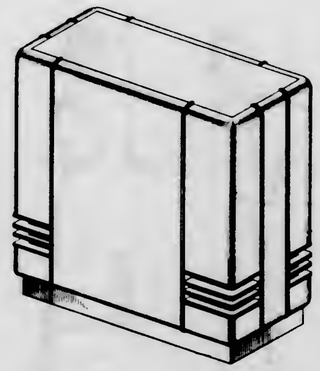
The ornamental design for a coat or similar article, substantially as shown and described.

100,072
DESIGN FOR A GLOVE
Jerome J. Fox, New York, N. Y.
Application May 20, 1936, Serial No. 62,747
Term of patent 3½ years



The ornamental design for a glove, substantially as shown.

100,073
DESIGN FOR A REFRIGERATOR CABINET
Chester A. Frick, Muncie, Ind., assignor to Glascock Brothers Mfg. Co., Muncie, Ind., a corporation of Indiana
Application November 15, 1935, Serial No. 59,593
Term of patent 14 years



The ornamental design for a refrigerator cabinet, as shown.

100,074
DESIGN FOR A FLASHLIGHT
Herman G. Graubner, New York, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Application October 31, 1935, Serial No. 59,297
Term of patent 14 years



The ornamental design for a flashlight substantially as shown and described.

100,075
DESIGN FOR A DISPLAY FIGURE OR ANALOGOUS ARTICLE
Elsie Krummeck, Brooklyn, N. Y., assignor to J. H. Lester & Co. Incorporated, New York, N. Y., a corporation of New York
Application April 28, 1936, Serial No. 62,351
Term of patent 3½ years



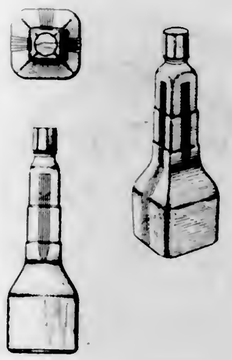
The ornamental design for a display figure or analogous article as shown.

100,076
DESIGN FOR A COAT
Samuel Lipman, New York, N. Y.
Application May 20, 1936, Serial No. 62,735
Term of patent 3½ years



The ornamental design for a coat, substantially as shown.

100,077
DESIGN FOR A BOTTLE
Michael Luft, Detroit, Mich., assignor to Mohawk Liqueur Corporation, Detroit, Mich., a corporation of Michigan
Application January 20, 1936, Serial No. 60,692
Term of patent 14 years



The ornamental design for a bottle substantially as shown.

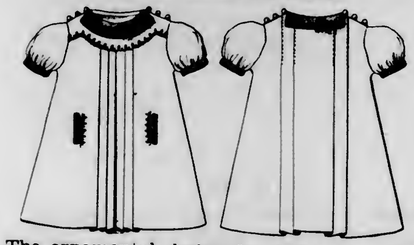
CARNEGIE LIBRARY OF ATLANTA

100,078
DESIGN FOR A COOK STOVE
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application April 4, 1936, Serial No. 61,947
Term of patent 7 years



The ornamental design for a cook stove, as shown and described.

100,079
DESIGN FOR A DRESS
Mary Mullen, Philadelphia, Pa., assignor to Rosenau Bros. Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application May 6, 1936, Serial No. 62,498
Term of patent 3½ years



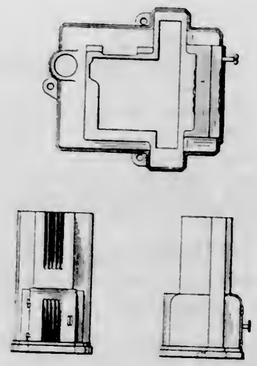
The ornamental design for a dress as shown and described.

100,080
DESIGN FOR A NEGLIGEE
Sylvia S. Pedlar, New York, N. Y.
Application April 16, 1936, Serial No. 62,150
Term of patent 3½ years



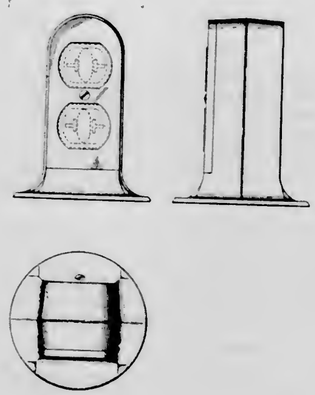
The ornamental design for a negligee, substantially as shown.

100,081
DESIGN FOR A COMBINED HOUSING AND BASE FOR A POWER TOOL MACHINE OR SIMILAR ARTICLE
Harold L. van Doren, Toledo, Ohio, assignor to Hammond Machinery Builders, Inc., a corporation of Michigan
Application December 20, 1935, Serial No. 60,203
Term of patent 14 years



The ornamental design for a combined housing and base for a power tool machine or similar article, as shown.

100,082
DESIGN FOR AN ELECTRICAL FLOOR FITTING
Joseph William Wiesmann, Pittsburgh, Pa., assignor to H. H. Robertson Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application September 13, 1935, Serial No. 58,546
Term of patent 14 years



The ornamental design for an electrical floor fitting, as shown and described.

THE

OFFICIAL GAZETTE

OF THE

United States Patent Office

Vol. 467—No. 4 TUESDAY, JUNE 23, 1936 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
Issue of June 23, 1936	719
Adverse Decisions in Interference	719
Disclaimers	719
Applications Under Examination	720
Decisions of the U.S. Courts—	
A. G. Triplett, R. M. Triplett, A. Nelson et al. v. Percival D. Lowell, Francis W. Dunmore and Dubilier Condenser Corporation	721
Wilson and Dick v. Sheets and Hamill	724
Patent Suits	729
Adjudicated Patents	730
Trade-Marks Published (220 Applications)	731
Trade-Mark Registrations Granted	767
Trade-Mark Registrations Renewed	764
Labels	765
Prints	768
Reissues	769
Plant Patents	770
Patents Granted	771
Designs	951

June 23, 1936

Trade-Marks	163—No.	335,980 to No.	336,142, inclusive.
T. M. Renewals	52		
Labels	97—No.	47,574 to No.	47,670, inclusive.
Prints	26—No.	15,734 to No.	15,761, inclusive.
Reissues	5—No.	20,014 to No.	20,018, inclusive.
Plant Patents	4—No.	185 to No.	188, inclusive.
Patents	802—No.	2,044,760 to No.	2,045,561, inclusive.
Designs	104—No.	100,083 to No.	100,186, inclusive.
Total	1,255		

Adverse Decisions in Interference

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,722,179, Georges Eveno, Bush for axle boxes, decided June 2, 1936, claims 4, 5, 6, and 7.

Pat. 1,788,436, F. L. Lunt, Folding windshield, decided October 4, 1933, claim 3.

Pat. 1,877,773, W. M. Minto, Cartridge for firearms, decided April 13, 1936, claim 1.

Pat. 1,937,823, H. T. Neher and C. S. Hollander, Laminated glass, decided June 5, 1936, claim 1.

Pat. 1,950,372, R. A. Lane, Condenser construction, decided June 5, 1936, claims 5, 12, 14, 15, 16, 17, 19, 20, 29, 30, and 31.

Disclaimers

1,643,588.—*James P. Ratigan*, Los Angeles, Calif. BEAM ADJUSTER. Patent dated September 27, 1927. Disclaimer filed May 26, 1936, by the patentee.

Hereby enters this disclaimer in respect to claims 5 and 6 of the Letters Patent.

1,763,380.—*Carl E. Trube*, Orange, N. J. ELECTRIC COUPLING SYSTEM. Patent dated June 10, 1930. Disclaimer filed May 27, 1936, by the assignee, *Hasceltine Corporation*.

Hereby enters this disclaimer to claims 3, 4, 5, 6, and 8, of said patent.

1,767,800.—*Dewey M. Kennedy* and *Benjamin H. Kennedy*, Rochester, N. Y. BATH CABINET. Patent dated June 24, 1930. Disclaimer filed May 26, 1936, by the patentees and the assignee of one-third interest, *Ann M. Kennedy*.

Hereby enter this disclaimer to claim 6 of said Letters Patent.

1,778,329.—*Frank B. Mason*, New Providence, N. J. CORE AND COMPOSITION FOR PRODUCING THE SAME. Patent dated October 14, 1930. Disclaimer filed May 25, 1936, by the assignee, *Aristo Corporation*, and the non-exclusive licensee, *Swan-Finch Oil Corporation*.

Hereby enters this disclaimer to claims 1, 2, 3, 5, 6, and 8, of said patent.

1,950,372.—*Raymond A. Lane*, Elmhurst, N. Y. CONDENSER CONSTRUCTION. Patent dated May 22, 1934. Disclaimer filed June 2, 1936, by the patentee, the assignee, *Products Protection Corporation*, assenting.

Hereby enters this his disclaimer to claims 5, 12, 14, 15, 16, 17, 19, 20, 29, 30, and 31, of said patent.

2,003,936.—*Wasyl Hucal*, Chicago, Ill. MILLING MACHINE. Patent dated June 4, 1935. Disclaimer filed June 4, 1936, by the patentee.

Hereby enters this disclaimer to that part of the claim in said specification which is in the following words, to-wit, claims 6 and 11, of said patent.

Condition of Applications Under Examination at Close of Business June 6, 1936

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 33,170; Trade-Mark Division, 1,518. Oldest new case, February 3, 1936; oldest amended, January 29, 1936.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Apr. 6	Apr. 8	331
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Velocipedes; Butchering; Bee Culture.	Feb. 11	Feb. 10	881
4098	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Mar. 9	Mar. 9	500
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Mar. 2	Mar. 4	541
3628	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Mar. 9	Mar. 13	477
4398 C	6. LEWERS, A. M., Carbon Chemistry	Mar. 24	Mar. 27	474
5725	7. JARBOE, C. G., Optics; Photography	Mar. 23	Mar. 23	763
3889	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Mar. 17	Apr. 8	426
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Apr. 14	Apr. 10	322
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Apr. 6	Apr. 9	264
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Mar. 18	Mar. 20	445
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms.	Mar. 9	Mar. 9	485
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Apr. 9	Apr. 9	363
5097	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Feb. 29	Feb. 25	642
4897	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	Mar. 21	Mar. 21	739
5612	16. SPENCER, C. J., Telegraphy; Telephony	Mar. 6	Mar. 6	568
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding; Type Setting.	Mar. 14	Mar. 12	614
4612	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Feb. 19	Feb. 19	438
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Mar. 9	Mar. 11	565
6613	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking	Mar. 7	Mar. 14	325
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Mar. 16	Mar. 17	508
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Mar. 12	Mar. 12	496
7624	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	Feb. 12	Jan. 29	565
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Mar. 23	Mar. 30	441
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminu ors.	Mar. 11	Mar. 9	451
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Apr. 1	Apr. 6	332
6708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	Mar. 11	Mar. 18	495
4626	28. BENSON, A. R., Internal-Combustion Engines	Mar. 9	Mar. 6	409
5982	29. SHKLARIN, J. B. (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Supports, Tables.	Apr. 4	Apr. 6	384
4074	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Mar. 3	Mar. 6	594
4716	31. DUNCOMBE, C. S. (Act.), Gas, Heating and Illuminating; Mineral Oils	Mar. 6	Mar. 6	496
4086	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Mar. 18	Mar. 23	439
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads and Pavements.	Mar. 24	Apr. 1	478
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Mar. 16	Mar. 17	380
3600	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Filling and Closing Portable Receptacles.	Mar. 7	Mar. 7	518
7892	36. McFADYEN, A. D., Measuring Instruments; Force Measuring; Automatic Weighers	Apr. 13	Apr. 16	263
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Mar. 7	Mar. 6	532
7510	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Mar. 16	Mar. 20	402
4872	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Apr. 7	Apr. 8	328
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Feb. 15	Feb. 21	1,054
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Mar. 9	Mar. 7	507
5882	42. CUTTINO, H. O., Electric Signaling	Mar. 7	Mar. 2	367
4886 B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Mar. 16	Mar. 18	628
4087 B	44. SHAFFER, C. H., Refrigeration; Dispensing Beverages	Mar. 7	Mar. 6	542
7097	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Apr. 7	Apr. 10	288
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements.	Mar. 13	Mar. 17	399
7600	47. BARKER, H., Clutches; Brakes	Mar. 21	Mar. 16	496
5731	48. ROEPKE, O. B., Electricity, General Applications; Igniters	Mar. 9	Mar. 9	451
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Apr. 3	Apr. 6	447
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	Feb. 28	Feb. 28	870
5628	51. BACKUS, C. D., Radiant Energy	Apr. 4	Apr. 4	562
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housings; Laminated Packing.	Mar. 20	Mar. 16	521
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Mar. 6	Mar. 6	706
5874	54. WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	Mar. 11	Mar. 7	377
6887	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Feb. 3	Feb. 1	870
4725	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation	Mar. 14	Mar. 14	748
3625	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Exercising Devices.	Apr. 4	Apr. 9	270
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Mar. 13	Mar. 18	410
4709	59. RICHARD, V. L., Chemistry; Fertilizers	Mar. 19	Mar. 25	632
5896	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Apr. 6	Apr. 6	263
6724	61. PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Ball Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus.	Mar. 11	Mar. 16	307
3876	62. COCHRAN, W. W., Games; Geometrical Instruments	Apr. 1	Mar. 31	455
4888	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	Mar. 13	Mar. 16	453
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel; Alcohol.	Mar. 19	Mar. 19	702
6624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Feb. 7	Feb. 7	644
2099 B	TRADE-MARKS, LABELS, AND PRINTS: F. A. RICHMOND {Trade-Marks	May 1	May 23	1,312
	{Labels and Prints	May 8	May 22	206
2005	DESIGNS, H. H. KALUPY (Act.)	May 8	May 14	527

DECISIONS IN PATENT AND TRADE-MARK CASES

Supreme Court of the United States

A. G. TRIPLETT, R. M. TRIPLETT, A. NELSON ET AL.

v.

PERCIVAL D. LOWELL, FRANCIS W. DUNMORE AND DUBILIER CONDENSER CORPORATION

No. 388. Decided March 30, 1936

ON WRIT of certiorari to the United States Circuit Court of Appeals for the Fourth Circuit.

THE MANTLE LAMP COMPANY OF AMERICA

v.

ALUMINUM PRODUCTS COMPANY

No. 590. Decided March 30, 1936

ON CERTIFICATE from the United States Circuit Court of Appeals for the Seventh Circuit.

1. PATENTS—PRIOR ADJUDICATION.

Neither reason nor authority supports the contention that an adjudication adverse to any or all the claims of a patent precludes another suit upon the same claims against a different defendant. While the earlier decision may by comity be given great weight in a later litigation and thus persuade the court to render a like decree, it is not *res adjudicata* and may not be pleaded as a defense.

2. SAME—DISCLAIMERS.

The disclaimer statute was enacted to mitigate the harsh rule that the entire patent was destroyed if any claim were held invalid.

3. SAME—SAME.

The statute permits the patentee to abandon by disclaimer parts of the patent which he does not choose to claim, and if the disclaimer is timely and adequate it authorizes him to maintain suit for infringement of the separable parts which he does choose to claim. But neither in terms nor by implication does it deny to a patentee the right to bring a second suit for the infringement of a claim already held to be invalid.

4. SAME—SAME.

We conclude that neither the rules of the common law applicable to successive litigations concerning the same subject matter, nor the disclaimer statute, precludes re-litigation of the validity of a patent claim previously held invalid in a suit against a different defendant.

5. SAME—SAME.

Where certain claims of a patent are held invalid and either other claims are held valid or were not involved in the suit, a suit involving the claims which were held invalid may be brought in another court, the patentee relinquishing the privilege of disclaimer "but at the risk of loss in that court of the other claims of the patent even though valid, if it likewise holds invalid the previously adjudicated claims."

6. SUPREME COURT OF THE UNITED STATES—CERTIFICATE OF THE CIRCUIT COURT OF APPEALS.

The Supreme Court cannot be required by certificate to answer, and it should not answer, questions which cover unstated matter "lurking in the record", or questions which admit of one answer under one state of circumstances and a different answer under another, neither of which is stated to be the basis of the question certified.

Samuel E. Darby, Jr. (*Cook & Markell* and *Charles Markell* with him on the brief) for petitioners, in No. 388.

George I. Haight (*W. H. F. Millar* and *M. K. Hobbs* with him on the brief) for Mantle Lamp Company of America, in No. 590.

Clifton V. Edwards (*Gaylord Lee Clark* and *John B. Brady* with him on the brief) for respondents, in No. 388.

William Nevarre Cromwell (*James L. McManus* with him on the brief) for Aluminum Products Company, in No. 590.

Mr. Justice STONE delivered the opinion of the Court.

In No. 388 certiorari was granted,—U. S.—, to resolve questions as to the scope and effect of the disclaimer statute, Revised Statutes §§ 4917, 4922, 35 U. S. C. §§ 65, 71, raised in a suit brought to enjoin infringement of several patent claims, some of which had previously been held invalid in an infringement suit in another circuit against different defendants.

In No. 590 like questions have been argued upon certificate to this Court, under § 239 of the Judicial Code, of the Court of Appeals for the Seventh Circuit.

No. 388

Respondents in No. 388, before bringing the present suit, had sued in a district court in the third circuit to restrain infringement of claim 9 of Patent No. 1,635,117, July 5, 1927, to Dunmore, for a signal receiving system, and of claims 3 and 14 of Patent No. 1,455,141, May 15, 1923, to Lowell and Dunmore, for a radio receiving apparatus. Each claim was held invalid by the Court of Appeals for the Third Circuit, *Radio Corporation* v. *Dubilier Condenser Corporation*, 59 F.(2d) 305, 309, and petitions to this Court for certiorari were denied, 287 U. S. 648, 650. More than eight months after the denial of certiorari respondents filed, in the Patent Office, purported disclaimers of each of the claims thus held invalid, and more than a month later began the present suit in the District Court for Maryland to restrain infringement of the same claims and other claims of the same patents not previously adjudicated. A motion to dismiss the suits as to both patents for unreasonable delay in filing disclaimers of the claims previously held invalid, and because the disclaimers were inadequate, was granted by the district court upon the latter ground.

The Court of Appeals for the Fourth Circuit reversed and ordered a new trial, 77 F.(2d) 556, holding that respondents were not barred from maintaining the second suit, against different defendants, for infringement of the claims previously held invalid and that the disclaimer of those claims was not prerequisite to maintenance of the suit upon the claims not previously adjudicated. It intimated that the second suit could not be maintained unless brought without unreasonable delay, but it concluded that it could not say that there had been unreasonable delay in the present case.

Whether the respondents' disclaimers are merely an attempted formal alteration of the claims so as to conform them more precisely to the specifications

without changing their substance or conceding their invalidity, see *Carnegie Steel Co.* v. *Cambria Iron Co.*, 185 U. S. 403, 435, or whether they are in effect such alterations of the substance of the claims as to bring them within the requirements and limitations of the re-issue statute, Revised Statutes section 4916, 35 U. S. C. 54, so as to render both the old and the new claims invalid, see *Altoona Publix Theatres, Inc.*, v. *American Tri-Ergon Corporation*, 294 U. S. 477, 490–492, 99 O. G. 1866 are questions which have been much argued here and below. In reaching its decision the Court of Appeals assumed, as we shall assume without deciding, that the disclaimers were inadequate because they failed to concede invalidity of the adjudicated claims. It concluded that if the same decision were reached, as to the validity of the claims previously adjudicated, as in the third circuit, the respondents' suit must fail both as to them and as to all the other claims,

"even though some of them may be good. For it would then be established that the owner of the patent had failed to file disclaimers within a reasonable time after notice of the invalidity of some of the claims had been brought home to him."

77 F.(2d) 556, 561.

Revised Statutes, section 4917, provides that

"Whenever, through inadvertence, accident, or mistake, • • • a patentee has claimed more than that of which he was the original or first inventor, • • • his patent shall be valid for all that part which is truly and justly his own, • • •",

and authorizes him to file in the Patent Office a written disclaimer of "such parts of the thing patented as he shall not choose to claim." Revised Statutes section 4922 authorizes a patentee who has claimed more than that of which he was the inventor, to maintain a suit for the infringement of "any part" of the patent

"which was *bona fide* his own, if it is a material and substantial part of the thing patented, and definitely distinguishable from the parts claimed without right, notwithstanding the specifications may embrace more than that of which the patentee was the first inventor or discoverer",

but with the proviso that

"no patentee shall be entitled to the benefits of this section if he has unreasonably neglected or delayed to enter a disclaimer."

Petitioners contend that if any claim of a patent is adjudged invalid no further suit can be maintained upon it, or upon other claims of the patent without disclaimer of the claims previously held invalid. This contention is predicated upon the rule that, save for the disclaimer statute, adjudication of invalidity of any claim of a patent renders the entire patent void, and upon the assumption that by force of the statute, if not without it, an adverse decision on any claim is final and conclusive as to its invalidity, in any court, except as modified upon an appellate review. If this view be accepted, it follows that the right to maintain suit for infringement of the separable claims of a patent which already have been held valid, or have not been adjudicated, may alone be saved by disclaimer of all claims held invalid, within a reasonable time after their adjudication; the patentee may not contest again the validity of the claims held invalid and only by abandoning them by timely disclaimer may he litigate other claims.

[1, 2, 3] Neither reason nor authority supports the contention that an adjudication adverse to any or all the claims of a patent precludes another suit upon the same claims against a different defendant. While the earlier decision may by comity be given great weight in a later litigation and thus persuade the court to render a like decree, it is not *res adjudicata* and may not be pleaded as a defense. See *Mast, Foos & Co.* v. *Stover Mfg. Co.*, 177 U. S. 485, 91 O. G. 1239; *Sanitary Refrigerator Co.* v. *Winters*, 280 U. S. 30, 35, 388 O. G. 526. The disclaimer statute was enacted to mitigate the harsh rule[1] that the entire patent was destroyed if any claim were held invalid. See *Altoona Publix Theatres, Inc.*, v. *American Tri-Ergon Corporation*, supra, 490; *Ensten* v. *Simon Ascher & Co.*, 282 U. S. 445, 452, 404 O. G. 533; *Hailes* v. *Albany Stove Co.*, 123 U. S. 582, 589, 42 O. G. 95; *Moody* v. *Fiske*, (C. C.) 2 Mason 112, 118, Fed. Cas. No. 9,745. The statute permits the patentee to abandon by disclaimer parts of the patent which he does not choose to claim, and if the disclaimer is timely and adequate it authorizes him to maintain suit for infringement of the separable parts which he does choose to claim. But neither in terms nor by implication does it deny to a patentee the right to bring a second suit for the infringement of a claim already held to be invalid. If such were its construction it would deny to a patentee the right to re-litigate claims held invalid when others are held valid or are not in issue, but would leave that right unaffected when the entire patent is held invalid, since in that case there would be nothing to disclaim. See *Winans* v. *New York & Erie R. R. Co.*, 21 How. 88, 103. Only a plain legislative command would justify a construction leading to such incongruous results.

[4] While the contention now made is apparently for the first time seriously argued here, this Court has several times held valid the claims of a patent which had been held invalid by a circuit court of appeals in an earlier suit brought by the same plaintiff against another defendant. ***Expanded Metal Co.*** v. ***Bradford***, **314 U. S. 366**; ***Diamond Rubber Co.*** v. *Consolidated Rubber Tire Co.*, 220 U. S. 428, 166 O. G. 251; *Abercrombie & Fitch* v. *Baldwin*, 245 U. S. 198, 246 O. G. 567[2]. Before the establishment of the circuit court of appeals, an adverse decision as to the validity of a patent in one circuit appears not to have foreclosed litigation of the same issue in another, see *Barbed Wire Patent*, 143 U. S. 275, 58 O. G. 1555; compare *United States* v. *American Bell Telephone Co.*, 128 U. S. 315, 372, 45 O. G. 1311. That it does not now is implicitly recognized by the practice established under section 240 (*a*) of the Judicial Code, and rule 38 (5) of this Court, that certiorari will not usually be granted in patent cases unless there is a conflict in the decisions of circuits courts of appeals. We conclude that neither the rules of the common law applicable to successive litigations concerning the same subject matter, nor the disclaimer statute, precludes re-litigation of the validity of a patent claim previously held invalid in a suit against a different defendant.

It follows that want of disclaimer of claims previoutly held invalid can never be set up as a bar *in limine* to the maintenance of a second suit upon those claims, and any others of the patent, since the patentee is entitled to invoke in that suit the independent judgment of the court upon the validity of the claims which have been held invalid. In advance of its decision as to validity, that court cannot consistently hold that there is necessity for disclaiming claims which, although previously adjudged invalid, it may hold to be valid. The statute does not command that a court authorized to pass upon the validity of a claim shall accept as conclusive a previous adjudication of invalidity of the same claim for the purpose of ascertaining whether the disclaimer statute applies. On the contrary, section 4922 in terms permits the patentee to "maintain a suit . . . for the infringement of any part" of the patent "which was *bona fide* his own."

The court whose jurisdiction is invoked by such a suit must determine for itself validity and ownership of the claims asserted, notwithstanding a prior adjudication of invalidity of some of them, unless those issues have become *res adjudicata*, by reason of the fact that both suits are between the same parties or their privies. If it determines that the claims previously adjudicated are valid, there is no occasion for disclaimer. In such a case the intimation of the court below that the second suit must be brought within a reasonable time is without support, for if in that court the claims are upheld, there is nothing to disclaim and the statute does not apply. Only if it holds that the claims are invalid may it be called upon to apply the disclaimer statute and to decide whether the patentee, under all the circumstances presented, has unreasonably neglected or delayed to enter a disclaimer of the claim of whose invalidity he had notice in the prior suit.[3]

[5] The disclaimer statute is remedial, and intended for the protection of both the patentee and the public. See *O'Reilly* v. *Morse*, 15 How. 62, 121. Both are protected by the construction which we adopt and which we think is the only admissible one. The patentee is free to preserve some of the claims of his patent by disclaiming others which have been held invalid, but the statute does not force him to pay that price in order to save them. He may relinquish the privilege of disclaimer and, proceed to re-litigate, in another court, the claims which have been declared to be invalid, but at the risk of loss in that court of the other claims of the patent even though valid, if it likewise holds invalid the previously adjudicated claims.

A different question is presented where the claims adjudged invalid are abandoned, whether by a tardy disclaimer or otherwise, and a second suit is brought to restrain infringement of other claims, see *Ensten* v. *Simon Ascher & Co.*, supra, or where in the same suit in which some claims are held invalid the plaintiff seeks to secure without disclaimer the benefits of a favorable decision on other claims. See *R. Hoe & Co.* v. *Goss Printing Press Co.*, 31 F.(2d) 505; *Higgin Mfg. Co.* v. *Watson*, 203 Fed. 378; *Liquid Carbonic Co.* v. *Gilchrist*, 253 Fed. 54; *Herman* v. *Youngstown Car Mfg. Co.*, 191 Fed. 579.

We do not decide whether the purported disclaimers operate to enlarge the claims in such fashion as to render both the old and the new claims invalid by virtue of the reissue statute. See *Altoona Publix Theatres, Inc.*, v. *American Tri-Ergon Corporation*, supra, 490–492. That question is not presented by the petition for certiorari. The courts below do not appear to have passed upon it, and it may be unnecessary to decide it on the new trial. The decree will be affirmed.

No. 590

In No. 590 the questions certified are as follows:

1. Where certain but not all of the claims of a patent are in suit, and all of the claims in suit are held and decreed to be invalid pursuant to a finding and judgment to that effect of the Circuit Court of Appeals of the circuit, may the owner of the patent maintain a suit afterward brought thereon in the same judicial circuit as that in which the first cause was decided, and against a different defendant not involved in the first suit—the second suit being based on the claims held in the prior suit to be invalid and on other claims of the same patent not previously adjudicated—where the owner of the patent wholly failed and omitted to file any disclaimer of the claims held in the first suit to be invalid, and where, between entry of decree of invalidity of the claims in the first suit and the bringing of the second suit in the same circuit, reasonable time had elapsed for filing such disclaimer?

2. If question 1 is answered in the affirmative, does the intervention of a period of approximately five years between the final judgment in the first suit and the institution in the same circuit of the second suit constitute delay so unreasonable as to bar the second suit for want of disclaimer of the claims which had been held to be invalid?

3. If question 2 is answered affirmatively, may the institution or pendency of other suits in another judicial

[1] By § 3 of the Patent Act of 1793, 1 Stat. 318, and § 6 of the Patent Act of 1836, 5 Stat. 117, an accurate description in writing of the invention in the patent application was prerequisite to the award of a patent. Sec. 6 of the act of 1793, and § 15 of the act of 1936, authorized the defendant in a patent suit, by way of defense, to prove that the specification of the patent "contains more than is necessary to produce the desired effect, • • • or that the thing thus secured by the patent was not originally discovered by the patentee. • • •." By the act of 1832, 4 Stat. 551, it was provided that whenever any patent shall be invalid by reason of failure to comply with the requirements of § 3 of the act of 1793, it should be lawful to grant a new patent to the patentee for his invention, upon surrender of the old patent and compliance with § 3 of the act of 1793. Sec. 13 of the act of 1836 similarly authorized the new patent to issue "in accordance with the patentee's corrected description and specification." Sec. 7 of the act of 1837, 5 Stat. 191, carried into R. S. 4917, first permitted the patentee to preserve the valid part of his original patent by disclaimer.

[2] In other cases this Court has held invalid, upon examination of the merits, a patent which had been upheld by one court of appeals after being held invalid by another. *Railroad Supply Co.* v. *Elyria Iron Co.*, 244 U. S. 285; *Meccano, Ltd.* v. *John Wanamaker*, 253 U. S. 136; *New York Scaffolding Co.* v. *Chain Belt Co.*, 254 U. S. 32; *Corona Cord Tire Co.* v. *Donan Chemical Corp.*, 276 U. S. 358; *Saranac Automatic Mach.* v. *Wirebound Patents Co.*, 282 U. S. 704.

[3] We do not now determine the effect of the disclaimer statute when the second suit, either from choice or necessity, is confined to claims held valid or not adjudicated in the earlier action. Whether the claims previously held invalid should be deemed abandoned and properly subject to disclaimer would depend upon special circumstances and involve questions not presented in the present suit.

circuit or circuits after entry of final decree in the first suit, based on claims of the patent so held invalid and on other claims thereof not previously adjudicated to be invalid, excuse the failure to file disclaimer of the claims held invalid prior to instituting the later suit in the same circuit?

From the facts stated in the certificate it appears that the district court below, upon hearing the cause, decreed the several claims, on which the plaintiff relied, to be invalid "for various reasons, among them for neglect to file within reasonable time disclaimers" of the claims previously held invalid by the Court of Appeals for the same circuit. It does not appear whether the district court, independently of the defense of want of disclaimer, passed upon the validity of the claims previously adjudicated and decided that they were invalid upon the evidence presented, or whether it held that all inquiry as to their validity was foreclosed by the prior adjudication.

From what we have said in our opinion in No. 388, it is manifest that the effect rightly to be given to the failure to disclaim may turn upon the disposition which the trial court makes of the claims previously held invalid, and that there is no occasion for the application of the disclaimer statute until the trial court has itself passed on the validity of the previously adjudicated claims. The fact that the suit was brought in the same circuit where the court of appeals had previously held some of the claims invalid is immaterial, for the court must decide whether the issues of law and fact in the two cases are the same, and if they are not it is not bound by the earlier decision.

[6] This Court cannot be required, by certificate, to answer, and it should not answer, questions which cover unstated matter "lurking in the record", see *United States* v. *Meyer*, 235 U. S. 55, 66; *Chicago, B. & Q. Ry. Co.* v. *Williams*, 205 U. S. 444, 454; *Cross* v. *Evans*, 167 U. S. 60; *United States* v. *Hall*, 131 U. S. 50, 52; or questions which admit of one answer under one set of circumstances and a different answer under another, neither of which is stated to be the basis of the questions certified. See *White* v. *Johnson*, 282 U. S. 367, 371; *Hallowell* v. *United States*, 209 U. S. 101, 107; *Jewel* v. *Knight*, 123 U. S. 426, 435; *Enfield* v. *Jordan*, 119 U. S. 680.

Moreover, it does not appear that the claims not previously adjudicated constitute "a material and substantial part of the thing patented, and definitely distinguishable" from the claims held invalid, so as to admit of the application of section 4922. We are not required to answer academic questions, or questions which may not arise in the pending controversy. See *White* v. *Johnson*, supra, 373; *United States* v. *Hall*, supra; *Webster* v. *Cooper*, 10 How. 54, 55. For these reasons the first question is not answered.

The second and third questions, by their terms, require an answer only if the first is answered. In addition, the answers to both turn upon the question whether the patentee has "unreasonably neglected or delayed to enter a disclaimer" within the meaning of section 4922, which can be answered only in the light of all relevant circumstances and the inferences to be drawn from them. Such questions are not properly the subject of a certificate, especially where, as here, it fails to disclose whether all the relevant facts and circumstances have been certified. *Jewel* v. *Knight*, supra; *B. & O. R. R.* v. *Interstate Commerce Commission*, 215 U. S. 216, 221; *Chicago, B. & Q. Ry. Co.* v. *Williams*, supra, 452; *United States* v. *City Bank of Columbus*, 19 How. 385; *United States* v. *Bailey*, 9 Pet. 267, 274.

Such aid as we are able to give in answering questions as to the scope and effect of the disclaimer statute which may be involved in the pending cause is afforded by our opinion in No. 388.

The decree in No. 388 is affirmed.

The certificate in No. 590 is dismissed.

U. S. Court of Customs and Patent Appeals

WILSON AND DICK v. SHERTS AND HAMILL

No. 3,565. Decided February 17, 1936

[81 F.(2d) 755]

1. INTERFERENCE—PRIORITY.

Evidence reviewed and *Held* to establish that, as to counts 1 and 2, the junior party S. and H. was the first to conceive and the first to reduce to practice the invention embraced therein and *Held* that priority with respect to such counts was therefore properly awarded to them.

2. INTERFERENCE—DILIGENCE—ACTIVITIES IN FOREIGN COUNTRY.

The right of an interfering party to the benefit of its activities abroad is only that granted by section 4887 Revised Statutes and the only right thus granted is the benefit of the filing date of the foreign application. Activities abroad, either in actual or constructive reduction to practice of an invention, unaccompanied by any activities in the United States, may not be considered in establishing diligence in reducing an invention to practice.

3. SAME—SAME.

Where W. and D. filed their provisional specification in Great Britain four and one-half months after disclosing the invention in this country and the opposing party conceived and reduced to practice in this country during that period *Held* that the shortness of the period would not excuse W. and D. from showing diligence during that period since one who is the first to conceive but the last to reduce to practice is chargeable with diligence from immediately prior to the time the later inventor entered the field and such diligence must be established by evidence.

4. SAME—SAME—PRIORITY.

W. and D., who were the first to conceive the invention embraced in counts 3 to 8, inclusive, *Held* not diligent in the United States from immediately prior to conception and reduction to practice by S. and H. until W. and D. filed their British application and *Held* that priority as to these counts was properly awarded to S. and H.

APPEAL from the Patent Office. Affirmed.

Mr. William J. Belknap and *Mr. Joseph H. Milans* for Wilson and Dick.

Mr. James C. Bradley and *Mr. Olen E. Bee* for Sherts and Hamill.

LENROOT, *J.:*

This is an appeal in an interference proceeding from a decision of the Board of Appeals of the United States Patent Office, affirming a decision of the Examiner of Interferences, awarding priority

CARNEGIE LIBRARY OF ATLANTA

of invention upon all the counts in issue to appellees.

The counts are eight in number, from 1 to 8, inclusive; counts 1, 3, and 6 are illustrative and read as follows:

Count 1. A process of treating a laminated plate made up of alternating sheets of glass and cellulose plastic having their opposing surfaces secured together so as to seal the joint at the edges of the sheets, which consists in heating the edges of the plate so as to soften the plastic and applying fluid under pressure in direct contact with the edges of the plate so as to force the edges of the plastic inward.

Count 3. A process of treating a laminated plate made up of alternating sheets of glass and cellulose plastic having their opposing surfaces secured rigidly and solidly together, which consists in submerging the plate in a bath of pyroxylin plastic solvent in direct contact with said plate throughout, raising the temperature of the bath to a point at which the plastic is softened and applying pressure to the bath.

Count 6. A process of compositing glass and plastic reinforcing sheets which consists in preliminarily cementing such sheets immovably together so as to seal the joints at the edges of the sheets, and then exposing the plate thus formed in a bath of solvent for the plastic contacting directly with the surface of the plate having a temperature sufficient to soften the plastic and under pressure in such manner that the solvent contacts directly with the surface of the plate throughout.

The interference is between a patent to appellees, No. 1,781,084, issued November 11, 1930, application for which was filed October 18, 1929, and an application of appellants, Serial No. 416,768, filed December 26, 1929. The invention involved in said application of appellants was accorded a constructive reduction to practice as of the date of a British provisional application filed March 18, 1929, in accordance with section 4887, Revised Statutes, 35 U. S. C. §32, and international convention. That appellants are entitled to said last-named date for constructive reduction to practice of the invention is not questioned in this case.

It is stated in the specification of the patent to appellees that it is a continuation in part of the patentees' prior application, Serial No. 353,720, filed April 9, 1929.

The subject matter of the invention is concisely stated by the Board of Appeals in its decision as follows:

The subject matter of the counts is that of a process of treating or making laminated safety or shatter-proof glass of the type comprising two sheets of glass united to an interposed sheet of transparent tough material generally of celluloid or cellulose derivative. The essential feature of improvement in this method comprises a step of subjecting the assembled glass either previously made, or as a step in the manufacture, to the direct pressure of a fluid without any covering material. Heat and pressure may be applied at the same time. Some distinction has been made between the conception of treating a previously made product in which the edge had become separated slightly, for the purpose of filling up the cavity at the edge, on one hand, and the original treatment of assembled sheets to pressure in such bath as a step in completing the union of the sheets.

Counts 1 and 2 include the expression "to force the edges of the plastic inward". This seems to relate to some possible research on the parts of Sherts and Hamill particularly directed to the repair of sheets which had separated slightly at the edge. It appears from the record that Sherts and Hamill first endeavored to devise a process for such purpose particularly but that they however soon applied such treatment to new work.

This method is intended to replace the prior commonly employed method of enclosing the assembled sheets in a rubber bag, exhausting the air from the bag and then subjecting the bag and contents to exterior fluid pressure. It appears that such treatment exerted more pressure adjacent the edges of the assembled sheets than at the central portions, tending to thereby spring the edges of the glass sheets towards each other and squeeze celluloid out from between the plates at the edges thereby leaving the glass sheets under stress at the edges tending after a time to cause an edge separation. It also possibly made some difference in the case of repair of sheets whether solvents for the celluloid were employed as the pressure liquid in distinction to non-solvent liquids. Solvents tend to soften and swell up the celluloid where it could come in contact therewith if the edges were separated.

Appellees are residents of the United States, and all of their activities with respect to the invention occurrred in this country. Appellants are residents of England and most of the activity upon their part occurred in that country, where the invention was first conceived. Appellants, however, claim the benefit of a disclosure of their invention as brought to this country by one Colonel Clare in October, 1928. Benefit of this disclosure as a conception in this country as to all of the counts except counts 1 and 2 has been accorded appellants as of said October, 1928; with respect to counts 1 and 2, both Patent Office tribunals found that the invention embraced therein was not disclosed in this country prior to appellees' conception and reduction to practice.

Colonel Clare immediately returned to England and, so far as the record shows, there was no further activity by appellants in this country until the preparation and filing of their application, December 26, 1929. Both Patent Office tribunals found that appellees conceived and disclosed the invention and reduced it to practice in December, 1928. If the Board of Appeals correctly found conception and reduction to practice of the invention by the appellees in December, 1928, then the burden was upon the appellants to show conception as to all of the counts prior to December, 1928, and diligence in reducing the invention to practice from immediately prior to appellees' entry into the field to March 18, 1929, the date of the filing of said British provisional application.

That appellants did, in October, 1928, disclose in this country the invention embraced in counts 3 to 8, inclusive, is not disputed herein.

Under the foregoing statement of facts, there are presented for our consideration three questions, as follows:

1. Are appellants entitled to a date of October, 1928, for conception and disclosure in this country of the invention embraced in counts 1 and 2, as well as counts 3 to 8, inclusive?

2. Are appellees entitled to a finding of conception and reduction to practice of the invention embraced in all the counts as of December, 1928?

3. Assuming that appellants are entitled to a finding that the invention was disclosed by them in this country in October, 1928, may the activities of appellants in England toward reducing the invention to practice be considered as due diligence having been exercised from December, 1928, to March 18, 1929, the date of the filing of said British provisional application?

With respect to the first question, both tribunals of the Patent Office found that said Colonel Clare in his disclosure in this country in October, 1928, did not disclose the last elements of said counts 1 and 2 requiring the edges of the plastic to be forced inward. We have carefully examined the testimony with respect to said disclosure by Colonel Clare and agree with said Patent Office tribunals that he did not disclose said elements of said counts, and therefore the earliest date of conception that can be

awarded appellants as to said counts 1 and 2 is the date of their British provisional application, March 18, 1929. We are likewise clear that Colonel Clare did, in October, 1928, disclose in this country the invention embraced in said counts 3 to 8, inclusive.

With respect to the second question above stated, appellants do not dispute that appellees are entitled to a date of December, 1928, for conception of the invention as embraced in all the counts, but counsel for appellants sharply challenge the findings of the Patent Office tribunals that appellees reduced the invention to practice in said month of December, 1928.

The evidence establishes that both of the appellees were, in December, 1928, employees of the Duplate Corporation, which corporation was engaged in the manufacture of laminated glass; that appellee Sherts was the head of the research department of the corporation; that appellee Hamill is a chemist and, on December 3, 1928, he began research work upon the question of finding a remedy for edge separation of assembled sheets of glass at the plant of the Duplate Corporation, where trouble of this kind had developed; that Sherts discussed the problem with Hamill and together they inspected the current process and product, and together they conceived the idea of first trying to force transparent liquid into the edges of these separated plates, and proposed both inert liquids and solvents, which latter would soften and swell the celluloid. Appellee Hamill testified that he and Sherts had a consultation on this subject on December 3, 1928, and further stated as follows:

• • • We finally came to the conclusion that in order to more thoroughly effect this closing or repairing of the separation, that heat and pressure would be necessary; of course the heat and pressure in conjunction with the solvent. We proposed using it by introducing safety glass in a bath of the various materials that we had discussed and then applying heat and pressure to that bath, thereby forcing the materials into the void and separation.

Other individuals of the corporation were then called in and the method above quoted was disclosed to, and discussed with, them. The matter of development was placed in the hands of Hamill under the supervision of Sherts.

Without going into detail respecting this testimony, it is sufficient to say at this point that we think it is well established that during said month of December, 1928, many sheets of glass were produced by the process embraced in the counts, five of which sheets, 3 x 3 inches in size, were introduced in evidence. These samples so introduced show no edge separation.

It is also established that the process here involved was used commercially to some extent by the Duplate Corporation in the month of December, 1928. The testimony is uncontradicted that in said month said Duplate Corporation began producing commercially, using the process here involved, from 100 to 200 sheets of laminated glass per day.

Appellants' principal attack against appellees' claim of reduction to practice by them of the invention in December, 1928, rests upon a contention that the evidence does not establish that the glass produced by the process was sufficiently tested in that month to demonstrate the success of the process.

It appears that the laminated or safety glass made according to the process here involved is principally used in automobiles, particularly for windshields, and it is appellants' theory, as we understand it, that to reduce the invention to actual practice would require testing the glass under actual working conditions; that is, in place in an automobile. It is conceded that no such tests were made by appellees. Appellees contend that no such tests were necessary, and both tribunals of the Patent Office were of that opinion. It is to be observed that each of the counts relates to laminated glass generally, and in none of them is use of the glass referred to, nor is such use referred to anywhere in appellees' patent or in appellants' application. Appellees' counsel contends that laminated glass produced in accordance with the process involved is useful for other articles of manufacture, such as safety goggles, etc. Appellants further contend that, even though use of the glass in automobiles was not necessary to demonstrate the success of the process, the glass produced by such process in December, 1928, was not, so far as the evidence discloses, under observation a sufficient length of time to entitle appellees to a finding of actual reduction to practice of the invention in that month.

We agree with the concurring views of the Patent Office tribunals that it was not essential to test the glass manufactured by said process by use of the same in automobiles, and that the many experiments shown in the evidence to have been conducted by appellees in testing their process demonstrated that the process was successful in curing in large measure the defects in laminated glass not treated by such process, and further that the process prevented, to a very large extent at least, the occurrence of such defects in laminated glass manufactured by the Duplate Corporation. We are of the opinion that the tests conducted by appellees in December, 1928, demonstrated such a degree of improvement in the quality of glass manufactured by the use of the process here involved as to amount to a reduction to practice of the invention. This view is supported by the established fact that the Duplate Corporation began to use the involved process commercially in the latter part of December of said year.

Appellants point to the fact that, although the testimony on behalf of appellees is to the effect that the process was used commercially by the Duplate Corporation, no such commercial products were offered in evidence by appellees, and appellants contend that, if such process had been put into commercial use, pieces other than the small 3 x 3 inch samples might have been produced. It is the contention of appellees, on the other hand, that products of the nature here involved are not easily traced in their subsequent history.

The Board of Appeals considered this point and stated that, while appellees' case would have been stronger had such evidence been produced, they were nevertheless of the opinion that appellees had sufficiently established reduction to practice of the invention by them in December, 1928, and, as hereinbefore stated, we are of the same opinion.

[1] It follows from the foregoing that, as to counts 1 and 2, appellees were the first to conceive and the first to reduce to practice the invention embraced therein, and they are therefore entitled to an award of priority with respect to such counts, as held by the Patent Office tribunals.

With regard to counts 3 to 8, inclusive, appellants were the first to conceive the invention, but appellees were the first to reduce to practice. Therefore, in order to entitle appellants to an award of priority with respect to such counts, the evidence must establish that appellants were diligent in reducing the invention to practice from immediately prior to December 3, 1928, until March 18, 1929, when they constructively reduced it to practice by filing the British provisional application.

It is conceded that there was nothing done by appellants in the United States, or by any one in this country on their behalf, toward reducing the invention to practice between December 3, 1928, and March 18, 1929, the date of their British provisional application, but it is the contention of appellants that they were, during all of said time, diligent in England in reducing the invention to practice, and that such diligence is available to them here to cover the period from December 3, 1928, to March 18, 1929.

The Examiner of Interferences held that diligence by appellants in England toward actual reduction to practice could be considered only in the event that such diligence hastened appellants' actual reduction to practice in the United States, or the constructive reduction to practice to which they were entitled by virtue of the filing of their British application, and that, inasmuch as appellants never did have an actual reduction to practice in this country, the only diligence of appellants that could be considered was diligence toward filing said British provisional application, and that the evidence showed such diligence only after February 27, 1929. The Examiner of Interferences therefore held that appellants were lacking in diligence in reducing the invention to practice and awarded priority of invention as to said counts 3 to 8, inclusive, to appellees.

The Board of Appeals, however, held that neither diligence abroad in actually reducing an invention to practice, nor diligence in preparing the British application, could be availed of by appellants in this proceeding. We quote from the decision of the Board as follows:

We find no decision serving as a direct precedent for the present situation. The only benefit allowed for applications in foreign countries we believe is that under Statute 4887 and the international convention under which benefit is allowed for the definite filing of a foreign application under certain conditions. We believe there is no reason or warrant for extending the rule beyond that definitely allowed in the statute for such filing date. We are therefore unable to agree with the Examiner's conclusions in allowing benefit for the work of preparing an application as being activity that should be credited as diligence.

Concerning the research and experimental work in connection with actual reduction to practice in England by Wilson and Dick, we think the Examiner's conclusions are clearly correct. Under the statutes no credit could be allowed for even actual reduction to practice and public use in a foreign country. It seems to clearly follow therefore that activity wholly in a foreign country and directed to the production of an invention, also wholly in a foreign country, would be of still less weight and not entitled to any credit. We find no citation in the record to the contrary. The decision is affirmed as to this respect.

Since Wilson and Dick cannot be accorded diligence over the critical period from December 1928 until March 18, 1929, we must accordingly hold that they cannot prevail.

Counsel for the respective parties agree that there is no direct precedent upon the question of whether diligence abroad by a foreign inventor in reducing his invention to practice (there having been no showing of diligence by him in the United States) may be considered to enable an award of priority to such foreign inventor who, while being the first to conceive the invention, was the last to reduce it to practice.

It is well established that an actual reduction to practice abroad may not be considered in an interference proceeding involving a question of priority of invention. *De Kando* v. *Armstrong*, 37 App. D. C. 314, 169 O. G. 1185; *Westinghouse Mach. Co., et al.* v. *General Electric Co., et al.* (Circuit Court of Appeals, Second Circuit), 207 Fed. 75; *Lorimer* v. *Erickson*, 44 App. D. C. 503, 227 O. G. 1445. In the case of *De Kando* v. *Armstrong*, supra, the court said:

• • • Any knowledge or use of the invention by appellant abroad, in the absence of a patent or description in a printed publication prior to appellee's date of invention or discovery, cannot deprive appellee of his right to a patent. Rev. Stat. sec. 4923, U. S. Compt. Stat. 1901, p. 3396. *All that appellant did abroad was a nullity in so far as it affected the right of appellee.* If, therefore, appellee's right is to be destroyed, it must be because of the knowledge imparted to Waterman, which, however complete, amounts to nothing more than proof of conception and disclosure, *since all consideration of what appellant did in Europe must be eliminated.* The device embodied in appellant's invention had not been constructed in this country at the time appellee filed his application and constructively reduced his invention to practice. [Italics ours.]

The case of *Westinghouse Mach. Co. et al.* v. *General Electric Co. et al.*, supra, involved the same question as was involved in the case of *De Kando* v. *Armstrong*, supra, the Westinghouse and General Electric companies being the assignees of De Kando and Armstrong, respectively. The *Westinghouse* case was an action in equity begun in the United States District Court, N. D. of New York, under Revised Statutes 4915. The Circuit Court of Appeals in that case expressly approved the holding of the Court of Appeals of the District of Columbia in the *De Kando* case, that reduction to practice of an invention abroad could not be considered in a contest between rival inventors in the United States.

In the case of *Lorimer* v. *Erickson*, supra, the court said:

We agree with the tribunals of the Patent Office that Lorimer was the first to conceive, and also that his reduction to practice in France cannot be taken advantage of in this country as the actual reducion to practice. *De Kando* v. *Armstrong*, 37 App. D. C. 314–321.

The case of *Bell* v. *Brooks*, 19 O. G. 290, C. D. 1881, 4, was an interference proceeding in the Patent Office and was decided in 1881, before the enactment of the provision giving to an applicant for a patent in the United States the benefit, as a constructive reduction to practice of an invention, of the date of the filing of a foreign application under

certain circumstances. It was there held that testimony in reference to experiments and reduction to practice in foreign countries, whether the invention be that of an American citizen or foreigner, is incompetent and inadmissible, the Revised Statutes prescribing all other evidence of invention abroad than that derived from patents or printed publications.

Appellants' counsel cite the case of *Minorsky* v. *Thilo*, 20 C. C. P. A. (Patents) 906, 63 F.(2d) 452, 431 O. G. 529, in support of their contention that the activities of appellants in England establish diligence in reducing the invention to practice. However, our decision in that case in no way bears out this contention. There the appellant was a German inventor; he was represented in this country by one Dubilier, a consulting radio engineer. By reason of the appellant having disclosed the invention in this country prior to appellee's conception, but having reduced the invention to practice subsequent to appellee's reduction to practice, the diligence of appellant was in issue. In our opinion we said:

> • • • It is conceded by the parties that responsibility for reasonable diligence in the particular circumstances heretofore stated, *rested upon Dubilier* and those who worked under or with him. • • • [Italics supplied.]

We there decided that Dubilier had been diligent in this country in reducing the invention to practice, and that such diligence inured to the benefit of appellant. We gave no consideration to the activities of appellant in Germany as bearing upon the question of diligence.

Appellants' counsel cite the case of *Rebuffat* v. *Crawford*, 21 C. C. P. A. (Patents) 901, 68 F.(2d) 980, 445 O. G. 3, and state in their brief with respect to this case, as follows:

> This Court, in *Rebuffat* v. *Crawford*, 21 U. S. C. C. P. A. (Patents), p. 901; 68 Fed.(2d) 980, held that as a foreign inventor did not prove that he had introduced into the United States the invention in controversy prior to the filing date of the United States inventor he, the foreign inventor, could not avail himself of activities abroad; but this Court's decision implies that the work of the inventor abroad might have been important if it had been proven that the invention was introduced into the United States prior to the filing date of the United States inventor. Thus, it is stated:
>
> "The nature of his work abroad might be important in determining the identity of the invention or whether he had any concept of it or not, but it is incumbent upon him to prove, in this case, that the invention was introduced into the United States prior to the filing date of the senior party. See *Gaylor et al.* v. *Wilder*, 10 How. 476, 496."

However, immediately preceding the above quotation from said case, we find in the opinion the following:

> Rebuffat cannot obtain any benefit in this interference for any work he did abroad, under the issue in this proceeding. *De Kando* v. *Armstrong*, 37 App. D. C. 314, 319. • • •

From this it appears that this court has expressly approved the doctrine declared in the *De Kando* case, supra, hereinbefore quoted in this opinion, and we find no basis in our opinion in said *Rebuffat* case, supra, for such implication as appellants in their brief attempt to read into it.

Appellants also cite a decision of the Board of Appeals in an interference proceeding entitled *Hall* v. *O'Connor*, Interference No. 51,743, which decision appears in the record herein. From such decision it appears that Hall, a Canadian citizen, first conceived the invention there in issue in Canada and, as between the parties, was the first to disclose it in the United States, but was the last to reduce it to practice. A part of the activities of Hall toward reducing his invention to practice occurred in Canada and a part in the United States. The Board of Appeals held that Hall was entitled to the benefit of his activities in Canada, but also held that there was sufficient evidence of Hall's activities in the United States alone to establish diligence in reducing the invention to practice.

We have reviewed the authorities relied upon by appellants to support their contention that they are entitled to the benefit of their activities in England to establish diligence in reducing their invention to practice, and, as will be observed, the precise question here involved was not directly in issue in any of said cases. It is our duty to make a direct holding upon the question of whether activities abroad in reducing an invention to practice, without any activities of that character in the United States, may be availed of in any interference proceeding to establish diligence in reducing an invention to practice.

That actual reduction to practice abroad may not be availed of in an interference proceeding is conceded by appellants to be established, but their contention is that activities toward reducing the invention to practice may be availed of on the issue of diligence.

[2] The right of a party to have the benefit of the filing date of a foreign application for a patent as a constructive reduction to practice is purely statutory. Without the benefit of said section 4887, Revised Statutes, appellants would not be entitled to consideration of their British provisional application at all. It seems to us that the right of the appellants to the benefit of their activities abroad must be found within the four corners of this statute, and the only right thus granted is the benefit of the filing date of the foreign application. It is our opinion that activities abroad, either in actual or constructive reduction to practice of an invention, unaccompanied by any activities in the United States, may not be considered in establishing diligence in reducing an invention to practice, and we so hold. To paraphrase what was said in the case of *Rebuffat* v. *Crawford*, supra, Wilson and Dick cannot obtain any benefit in this interference for any work they did abroad under the issue in this proceeding. The evidence clearly establishes that there were no activities by them in the United States toward reducing their invention to practice during the critical period. Had there been such activities in the United States, we express no opinion as to whether, under such circumstances, the activities of appellants abroad could be considered on the question of whether they had shown the necessary diligence.

[3] Appellants make one further contention, viz., that inasmuch as it was only a few days more than four and one-half months after their disclosure in the United States that they completed their invention by constructive reduction to practice by the filing of the British provisional application, such a period of delay, without any showing of diligence, should alone be held not unreasonable. As we understand this contention of appellants, it is that, if the critical period be very short, no affirmative acts of diligence need be established, but such is not the law. The rule is so well settled as to require no citation of authority that one who is the first to conceive but the last to reduce to practice is chargeable with diligence from immediately prior to the time the later inventor entered the field, and such diligence must be established by evidence.

Counsel for appellants quote from our decision in the case of *Jones* v. *Evans*, 18 C. C. P. A. (Patents), 866, 46 F.(2d) 197, 405 O. G. 841, as follows:

> • • • We think it would be a manifest perversion of justice to say that the original inventor of this system of control should lose the benefit of his invention by the mere fact that a possible interval from April 16th to early in July elapsed, in which it does not affirmatively appear that any steps were being taken toward the filing of a proper application for patent.

This quotation is lifted from a paragraph which, when read as a whole, negatives completely the thought that a period from April 16 to early in July is so short that entire lack of diligence during such period should not be held to be unreasonable. The said quotation, with its context, reads as follows:

> • • • We are of the opinion that the facts shown by the record are sufficient from which to conclude that *there was sufficient diligence shown on the part of appellant to justify a finding of priority of invention to him as to counts 1 and 2.* He had taken the matter up, after his preliminary tests, with the proper officers of his company, and had immediately requested the data and calculations as to the proper type of transformer to be used. These data were being collected from other branches of the company, and we think it would be a manifest perversion of justice to say that the original inventor of this system of control should lose the benefit of his invention by the mere fact that a possible interval from April 16 to early in July elapsed, in which it does not affirmatively appear that any steps were being taken toward the filing of a proper application for patent. *It may be that the machinery which appellant had set in motion in the General Electric Co. was moving slowly, but not to such an extent, in our opinion, that the appellant should be caused to lose the fruits of his invention thereby.* [Italics supplied.]

We also said in that case:

> • • • Each case where diligence is involved, rests and must be decided upon its own facts, and all the surrounding circumstances must be viewed and considered in determining whether there was sufficient diligence. • • •

[4] In the case at bar there was no diligence on the part of appellants in the United States from immediately prior to December, 1928, until March 18, 1929, the date of their constructive reduction to practice of the invention by filing their provisional application in England, and therefore there is nothing in the record upon which diligence in this country in reducing the invention to practice can be based.

For the reasons stated herein, the decision of the Board of Appeals is affirmed.

Affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

1,268,473, W. O. Kennington, Distributer cap for ignition apparatus; 1,351,714, A. E. Berdon, et al. Distributer head for ignition devices; 1,372,065, O. F. Conklin, Distributer device for ignition apparatus, D. C., E. D. N. Y., Doc. E 6790, *General Motors Corp.* v. *Esmco Auto Products Corp.* Decree pro confesso for plaintiff April 9, 1936.

1,272,056, C. F. Kettering, Ignition system; 1,286,803, H. G. Schwarze, Hydrocarbon motor; 1,305,165, W. H. Ratcliff, Circuit breaker; 1,556,901, C. E. Berkdoll, Ignition device; 1,557,207, 1,593,339, F. C. Kroeger, Ignition apparatus; 1,687,040, W. D. Schrope, same; 1,825,720, J. T. Fitzsimmons, Ignition timer; Re. 18,276, C. H. Kindl, same, D. C., E. D. N. Y., Doc. E 6789, *General Motors Corp.* v. *Esmco Auto Products Corp.* Decree pro confesso for plaintiff April 9, 1936.

1,286,803. (See 1,272,056.) 1,297,188. (See 1,811,095.)

1,305,165. (See 1,272,056.) 1,351,714. (See 1,268,473.)

1,372,065. (See 1,268,473.)

1,403,475, H. D. Arnold, Vacuum tube circuit; 1,403,932, R. H. Wilson, Electron discharge device; 1,507,016, L. de Forest, Radio signaling system; 1,507,017, same, Wireless telegraph and telephone system; 1,618,017, F. Lowenstein, Wireless telegraph apparatus; 1,702,833, W. S. Lemmon, Electrical condenser; 1,811,095, H. J. Round, Thermionic amplifier and detector; Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation filed April 6, 1936, D. C., S. D. Calif. (Los Angeles), Doc. E 890-Y, *Radio Corp. of America et al.* v. *M. de Groot* (*Ambassador Radio Co.*). Same filed April 7, 1936, D. C., S. D. Calif. (Los Angeles), Doc. E 892-Y, *Radio Corp. of America et al.* v. *R. A. Cottrell.* Doc. E 894-S, *Radio Corp. of America et al.* v. *E. Spigel.*

1,403,932. (See 1,403,475.)

1,406,562, T. J. Hruby, Traction wheel lug; 1,647,919, T. G. Schmeiser, Grouser, filed April 7, 1936, D. C., S. D. Calif. (Los Angeles), Doc. E 896-M, *T. G. Schmeiser Co.* v. *M. A. Turner* (*Santa Ana Iron Works*). Doc. E 897-Y, *T. G. Schmeiser Co.* v. *L. J. Hunter et al.* (*Riverside Foundry Co.*).

1,433,901, S. Marcus, Artificial eyes for dolls, display figures, etc.; Re. 18,332, same, Doll eyes, D. C., E. D. N. Y., Doc. E 7658, *Margon Corp.* v. *E. Goldberger.* Decree for plaintiff April 3, 1936.

1,507,016. (See 1,403,475.) 1,507,017. (See 1,403,475.)

1,536,044, J. W. Swan, Method and means to facilitate the distribution of fuel in internal combustion engines; 1,636,721, same, Manifold, D. C., N. D. Ohio, W. Div., Doc. E 1152, *The Swan Carburetor Co.* v. *The Willys-Overland Co.* Dismissed without prejudice April 2, 1936.

1,537,944, R. Hufford, Governor for internal combustion motors; 1,563,378, 1,670,364, E. Knauss, same; 1,670,357, Hufford & Adler, same; 1,670,365, Knauss & Adler, same; 1,584,931, 1,584,933, Handy & Bull, Governor, D. C., E. D. Mich. S. Div., Doc. 4323, *Handy Governor Corp.* v. *Monarch Governor Co.* Dismissed (notice April 1, 1936).

1,541,438. (See Re. 16,078.)

1,556,901. (See 1,272,056.)

1,557,207. (See 1,272,056.)

1,563,378. (See 1,537,944.)

1,573,374, P. A. Chamberlain, Radio condenser; 1,795,214, 1,707,617, E. W. Kellogg, Sound reproducing apparatus; 1,894,197, Rice & Kellogg, same; 1,728,879, same, Amplifying system, filed April 7, 1936, D. C., S. D. Calif. (Los Angeles), Doc. E 891-Y, *Radio Corp. of America et al.* v. *M. de Groot* (*Ambassador Radio Co.*). Same, filed April 6, 1936, D. C., S. D. Calif. (Los Angeles), Doc. E 893-C, *Radio Corp. of America et al.* v. *R. A. Cottrell.* Doc. E 895-J, *Radio Corp. of America et al.* v. *E. Spigel.*

1,584,931. (See 1,537,944.) 1,584,933. (See 1,537,944.)

1,593,339. (See 1,272,056.)

1,601,146, J. B. Replogle, Switch; 1,633,998, W. A. Chryst, Electric switch; 1,835,019, H. D. Dawson, Switch, D. C., E. D. N. Y., Doc. E 6792, *General Motors Corp.* v. *Esmco Auto Products Corp.* Decree pro confesso for plaintiff Apr. 9, 1936.

1,614,136. (See Re. 16,461.)

1,618,017. (See 1,403,475.)

1,636,721. (See 1,536,044.) 1,647,019. (See 1,406,562.)

1,659,368. (See 1,818,090.) 1,670,357. (See 1,537,944.)

1,670,364. (See 1,537,944.) 1,670,365. (See 1,537,944.)

1,670,656. (See Re. 16,611.)

1,684,653. B. E. Willett. Foldable table; 1,951,884, R. B. Seward, Folding table, C. C. A., 2d Cir., Doc. —, *Ferguson Bros. Mfg. Co.* v. *Lorraine Metal Mfg. Co., Inc.* Decree modified (notice Apr. 6, 1936).

1,687,040. (See 1,272,056.) 1,693,998. (See 1,601,146.)

1,702,833. (See 1,403,475.) 1,707,617. (See 1,573,374.)

1,728,879. (See 1,573,374.)

1,764,573, C. W. Mueller, Sewing machine work support; 1,989,602, same, Sewing machine, filed Apr. 9, 1936, D. C., S. D. N. Y., Doc. E 82/365, *Lewis Invisible Stitch Machine Co.* v. *Columbia Blindstitch Machine Mfg. Corp.*

1,771,983. 1,774,497. K. Wandel, Paper article and process of manufacture, D. C. N. J., Doc. E 5337, *International Cellucotton Products Co. et al.* v. *General Cellulose Co., Inc.* Decree for injunction Mar. 17, 1936.

1,774,497. (See 1,771,983.) 1,795,214. (See 1,573,374.)

1,796,855. R. H. Ahlers, Electrical condenser; 1,830,907, C. H. Kindl, same; 1,815,496, W. A. Chryst, Ignition apparatus, D. C., E. D. N. Y., Doc. E 6791, *General Motors Corp.* v. *Esmco Auto Products Corp.* Decree pro confesso for plaintiff Apr. 9, 1936.

1,811,095. (See 1,403,475.)

1,811,095. H. J. Round, Thermionic amplifier and detector; Re. 18,579, Ballantine & Hull, Demodulator and method of demodulation; 1,297,188, I. Langmuir, System for amplifying variable currents, D. C. N. J., Doc. E 5261, *Radio Corp. of America et al.* v. *Atlas Laboratories, Inc., et al.* Decree referring to Master Mar. 2, 1936.

1,815,496. (See 1,796,855.)

1,818,090. J. W. Peterson, Brake shoe and method of making same; 1,659,368, L. E. Long, Brake shoe; 1,980,225, Parker & House, same; 1,994,434, same, Brake; Re. 16,965, Smith & Sindelar, Automobile brake band, D. C., E. D. Wis. (Milwaukee), Doc. 4653, *Bendix Brake Co.* v. *Pick Mfg. Co.* Consent decree dismissing bill as to 1,659,368, Re. 16,965 and 1,818,090; all claims of patents 1,980,225 and 1,994,434 held infringed except claims 21, 22, 23, and 24 of No. 1,994,434, Apr. 14, 1936.

1,825,720. (See 1,272,056.) 1,830,907. (See 1,796,855.)

1,835,019. (See 1,601,146.) 1,894,197. (See 1,573,374.)

1,951,884. (See 1,684,653.) 1,980,225. (See 1,818,090.)

1,989,602. (See 1,764,573.) 1,994,434. (See 1,818,090.)

2,018,216, R. S. Maclean, Building covering, and method of manufacturing same; Des. 99,132, same, Building siding, D. C. N. J., Doc. E 5448, *Mastic Asphalt Corp.* v. *Briktex, Inc., et al.* Consent decree Mar. 23, 1936.

Re. 16,078. J. M. Olin, Battery cup; 1,541,438, G. W. Schauerte, Cartridge shell and process of making same, D. C., S. D. Ohio, W. Div., Doc. E 868, *Western Cartridge Co.* v. *The Peters Cartridge Co.* Patents held valid and infringed (notice Apr. 13, 1936.)

Re. 16,461, M. C. Latour, Audion or lamp relay or amplifying apparatus; 1,614,136, same, Thermionic amplifying apparatus, D. C., S. D. N. Y., Doc. E 42/373, *Latour Corp.* v. *E. B. Latham & Co.* Decree sustaining reissue patent and dismissing bill as to 1,614,136 on the merits (notice Apr. 14, 1936).

Re. 16,611, L. L. Lewis, Method of and apparatus for cooling and ventilating; 1,670,656, W. L. Fleisher, Ventilating system, C. C. A., 2d Cir., Doc. —, *Auditorium Conditioning Corp.* v. *Warner Bros. Pictures, Inc., et al.* Decree affirmed (notice Apr. 6, 1936).

Re. 16,965. (See 1,818,090.)

Re. 18,276. (See 1,272,056.)

Re. 18,332. (See 1,433,901.)

Re. 18,579. (See 1,811,095 and 1,403,475.)

Des. 98,980, Des. 98,985, Des. 98,986, J. Persky, Lace, filed Apr. 10, 1936, D. C., E. D. N. Y., Doc. E 7934, *J. Persky et al.* v. *S. Kaplan et al.*

Des. 98,985. (See Des. 98,980.)

Des. 98,986. (See Des. 98,980.)

Des. 99,132. (See 2,018,216.)

Adjudicated Patents

(D. C. N. Y.) McManus patent, No. 1,339,066, for bottle-closure, claims 3 and 8 *Held* valid and infringed. *Crown Cork & Seal Co.* v. *Ferdinand Gutmann & Co.*, 14 F. Supp. 255.

(D. C. N. J.) Hayden patent, No. 1,684,671, for method of preventing evaporation from concrete during cure, *Held* invalid. *Barber Asphalt Co.* v. *Stulz-Sickles Co.*, 14 F. Supp. 212.

(D. C. N. Y.) Warth patent, No. 1,899,782, for material for facing bottle cap and method of making same, claims 7 and 9 *Held* invalid. *Crown Cork & Seal Co.* v. *Ferdinand Gutmann & Co.*, 14 F. Supp. 255.

(D. C. N. Y.) Warth patent, No. 1,899,783, for bottle cap and method of manufacturing same, claim 4 *Held* invalid. *Id.*

(D. C. N. Y.) Cohn patent, No. 1,921,808, for method of making closures, *Held* not infringed. *Id.*

(D. C. N. Y.) Warth patent, No. 1,956,481, for spot crown and liner material therefor, claims 6 and 16 *Held* invalid. *Id.*

(D. C. N. Y.) Warth patent, No. 1,967,195, for method of manufacturing bottle caps, claims 1, 2, and 3 *Held* valid and infringed. *Id.*

(C. C. A. Mass.) Hamburger patent, No. 1,970,376, for method of making tennis strings and the like, *Held* invalid. *H. Schindler & Co., Inc.*, v. *C. Saladino & Sons, Inc.*, 81 F.(2d) 649.

(D. C. N. Y.) Warth reissue patent, No. 19,117, for process of producing closures, claims 1 and 3 *Held* valid and infringed. *Crown Cork & Seal Co.* v. *Ferdinand Gutmann & Co.*, 14 F. Supp. 255.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 23, 1936

[VOL. 467. No. 4]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 1

Raw or Partly-Prepared Materials

Ser. No. 375,437. THE HARDEE COMPANY, Clyde, Ohio. Filed Mar. 2, 1936.



The name "Hardee" is disclaimed apart from the mark. The name "Don Byers" is the facsimile signature of the secretary-treasurer of applicant company.

For Peach Trees.

Claims use since August, 1934.

Ser. No. 375,937. P. W. GILLIBRAND, doing business as Tapo Shell Co., Santa Susana, Calif. Filed Mar. 13, 1936.

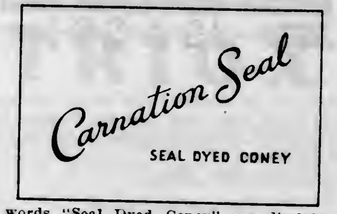


The words "Brand" and "Shell" are disclaimed apart from the mark shown.

For Decomposed Oyster Shells Used for Chicken Feed.

Claims use since June 1, 1923.

Ser. No. 376,068. SCHORR-WEISS, INC., New York, N. Y. Filed Mar. 16, 1936.



The words "Seal Dyed Coney" are disclaimed apart from the mark.

For Chemically Prepared Skins of Coney, Rabbit, Marmot, and Muskrat, Natural, Dressed, and Dyed, for Use in the Manufacture and Fashioning of Coats and Like Wearing Apparel.

Claims use since Jan. 18, 1936.

Ser. No. 376,227. REPUBLIC STEEL CORPORATION, Cleveland, Ohio. Filed Mar. 20, 1936.

SUPEROCK

For By-Products of Blast Furnaces—Namely, Crushed Slag for Use as an Aggregate for Cement or Concrete.

Claims use since Jan. 9, 1936.

Ser. No. 376,284. LELAND H. KIMBALL, Salt Lake City, Utah. Filed Mar. 23, 1936.

ZEPH

For Core Binder, Foundry Sand Binder, and Parting Material.

Claims use since Mar. 6, 1936.

CLASS 2

Receptacles

Ser. No. 361,062. JOSEPH SANKEY & SONS, LTD., Bilston, Staffordshire, England. Filed Feb. 5, 1935.

SPHINX

JS & SS

For Stamped and Pressed Metal Goods Generally Covering Milk Cans, Pails, and Cans for Packing Food, of Tinned, Galvanized, Japanned, Enameled Stainless Steel or Non-Ferrous Metals.
Claims use since June, 1923.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 376,461. CHAMP PRODUCTS CORPORATION, Union City, Ind. Filed Mar. 27, 1936.

Champ

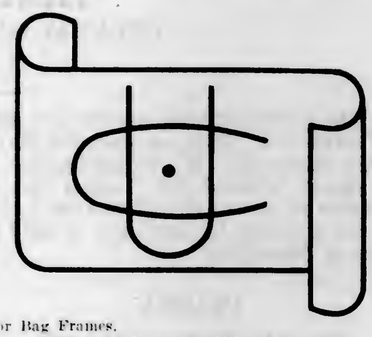
For Traveling Bags, Utility and Toilet Cases, Catalog Cases, Envelope Pockets, Brief Cases, Ring Binders, and Portfolios.
Claims use since Apr. 1, 1932.

Ser. No. 376,958. J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Apr. 8, 1936.

TOWNCRAFT

For Handbags, Gladstone Bags, Suit Cases, Week-End Cases, Hat Boxes, Boston Bags, Utility Bags, Locker Trunks, Wardrobe Trunks, Wardrobe Cases, Bill Folds, and Traveling Sets.
Claims use since Mar. 23, 1936.

Ser. No. 377,177. UNITED-CARR FASTENER CORPORATION, Cambridge, Mass. Filed Apr. 13, 1936.



For Bag Frames.
Claims use since January, 1936.

Ser. No. 378,178. BLOOMINGDALE BROS., INC., New York, N. Y. Filed May 8, 1936.

Coronation

For Pocketbooks.
Claims use since Apr. 9, 1936.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 365,402. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed May 25, 1935.

RE-TONE

For Chemically Treated Cleaning Cloth.
Claims use since November, 1932.

Ser. No. 365,403. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed May 25, 1935.

TOP-TONE

For Automobile Top Dressing.
Claims use since Nov. 23, 1932.

Ser. No. 369,925. MIDWAY CHEMICAL CO., Chicago, Ill. Filed Oct. 2, 1935.

AEROMIX

For Cleaning Preparations for Painted Surfaces and the Like.
Claims use since Apr. 9, 1931.

CARNEGIE LIBRARY OF ATLANTA

Ser. No. 370,053. S. H. KRESS AND COMPANY, New York, N. Y. Filed Oct. 5, 1935.

DART

For Metal Polish, Nickel Polish, Brass Polish, Stove Polish, Cleaning Fluid for Clothes, Soaps, Soap Powders, Laundry Soap, and Toilet Soap, and Toilet Bowl Cleanser.
Claims use since June 1, 1935.

Ser. No. 370,455. CALGON, INC., Pittsburgh, Pa. Filed Oct. 17, 1935.

CALADE

For Detergent, Said Detergent Being a Cleansing Compound for Industrial or Domestic Use, Having Incidental Water Softening Properties.
Claims use since Sept. 19, 1935.

Ser. No. 370,456. CALGON, INC., Pittsburgh, Pa. Filed Oct. 17, 1935.

CALŪM

For Detergent, Said Detergent Being a Cleansing Compound for Industrial or Domestic Use, Having Incidental Water Softening Properties.
Claims use since Sept. 19, 1935.

Ser. No. 373,322. HORACE CHAMBERLAIN THURBER, Clarendon, Va. Filed Jan. 3, 1936.

SOLVENTOL
ANTISEPTIC
Semi-Dry Cleaning

The words "Antiseptic Semi-Dry Cleaning" are disclaimed apart from the mark.
For Cleaning Solvent Compound for Use in General Household and Industrial Cleaning.
Claims use since December, 1934.

Ser. No. 373,960. EDGAR G. FIGARD, doing business as Altoona Beauty and Barber Supply Company, Altoona, Pa. Filed Jan. 22, 1936.

HYGIEATOR

For Liquid Hand Soap, Shaving Soap, and Liquid Soap Which Has Incidental Properties as a Shampoo.
Claims use since December, 1898.

Ser. No. 375,886. INDUSTRIAL CHEMICAL COMPANY, Sheridan, Ind. Filed Mar. 12, 1936.

TRIOX

For Cleaning Compounds for General Household Use and for Cleansing Special Food Machinery, Wearing Apparel, Utensils Used in Dairies, Carbonated Beverage Plants, Packing Houses, and Laundries, Soap Powders, Bottle Washing Compounds, Burnishing Compounds, and Scouring Powders.
Claims use since Aug. 1, 1935.

Ser. No. 375,948. THE PROCTER & GAMBLE COMPANY, Cincinnati, Ohio. Filed Mar. 13, 1936.



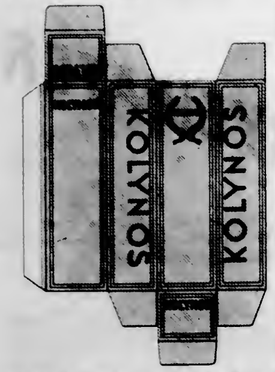
The silhouette is fanciful.
For Toilet and Bath Soap.
Claims use since Apr. 5, 1932.

Ser. No. 376,020. WEHENN ABRASIVE COMPANY, Chicago, Ill. Filed Mar. 14, 1936.



The words "Blast Sand" are disclaimed apart from the mark.
For Blast Sand.
Claims us since Jan. 1, 1932.

Ser. No. 376,680. THE KOLYNOS COMPANY, New Haven, Conn. Filed Apr. 1, 1936.



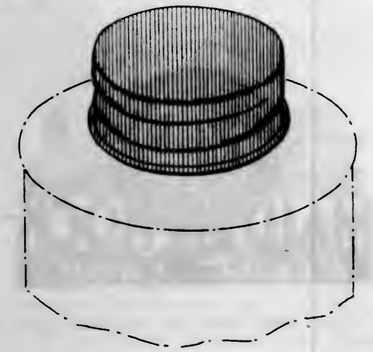
The drawing is lined for light and dark green. No claim is made to the representation of a carton per se.
For Shaving Cream.
Claims use since Feb. 21, 1936.

Ser. No. 376,807. GEORGE LEICHING, doing business as Worth-Le Products, Port Ewen, N. Y. Filed Apr. 4, 1936.



For Liquid Metal Polishes.
Claims use since Feb. 20, 1936.

Ser. No. 376,903. C. M. KIMBALL CO., Everett, Mass. Filed Apr. 7, 1936.



Trade-mark consists of a red cap or cover for the container in which the preparation is sold, no claim being made to the representation of the container or to the particular shape of the cap.
For Preparation for Cleaning Glass Windshields and the Like.
Claims use since Feb. 24, 1936.

Ser. No. 376,904. C. M. KIMBALL CO., Everett, Mass. Filed Apr. 7, 1936.

RED CAP

For Preparation for Cleaning Glass Windshields and the Like.
Claims use since Feb. 24, 1936.

Ser. No. 376,952. HALITOSINE COMPANY, St. Louis, Mo. Filed Apr. 8, 1936.



No claim is made to the representation of the goods nor to any words apart from the trade-mark "Halitosine" and the notation "Halitosine Co."
For Shaving Cream.
Claims use since Jan. 15, 1936.

Ser. No. 377,357. C. E. JOHNSON & CO., Chicago, Ill. Filed Apr. 18, 1936.

BOB WHITE

The word "White" is disclaimed apart from the mark as shown.
For Dressing Compound for Cleaning, Surfacing, and Coating White Footwear.
Claims use since Jan. 15, 1920.

Ser. No. 377,477. RODWOOD PRODUCTS, INC., New York, N. Y. Filed Apr. 21, 1936.

NŌMUS

For Silver Polish and Polishing Cream for Metals, Porcelain, Tile, Painted Surfaces, and Glassware.
Claims use since Apr. 6, 1936.

CLASS 5

Adhesives

Ser. No. 377,138. CENTRAL SCIENTIFIC COMPANY, Chicago, Ill. Filed Apr. 13, 1936.

SEALSTIX

For Laboratory Cement.
Claims use since Mar. 21, 1936.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 365,404. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Filed May 25, 1935.

UNION

For Anti-Leak Compound.
Claims use since July, 1933.

Ser. No. 367,662. DAGGETT & RAMSDELL, New York, N. Y. Filed July 24, 1935.

SUNEZE

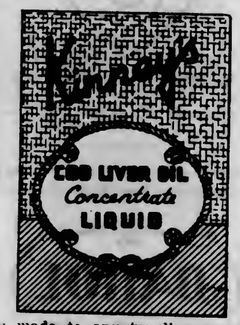
For Sunburn Lotion.
Claims use since June 11, 1935.

Ser. No. 371,462. WALTER ARMSTRONG, doing business as Gas Gone Chemical Co., Washington, D. C. Filed Nov. 12, 1935.

GAS GONE

For Medicine for Relief of Indigestion, Heartburn, Gas Pains, Wind Colic, and Troubles Generally Resulting from Formation of Gas in the System.
Claims use since Oct. 30, 1935.

Ser. No. 373,608. HARRY W. KINNEY, doing business as Scientific Sugars Company, Indianapolis, Ind. Filed Jan. 13, 1936.



No claim is made to any wording except "Kinney's" apart from the mark as shown. The drawing is lined for brown and yellow.
For Cod Liver Oil Concentrate Liquid.
Claims use since Sept. 18, 1935.

Ser. No. 374,254. MIROSLAW SZCZEPKOWSKI, Chicago, Ill. Filed Jan. 29, 1936.

"Zy-wokosto-wa"

The term "Zy-wokosto-wa" has no meaning.
For Medicine in the Form of Herbs, Teas, Herb Tea, Herb Fluid, and Herb Compound for Use for Indigestion, Constipation, and Stomach Disorders.
Claims use since Jan. 15, 1936.

Ser. No. 374,534. SHACKELTON INHALER COMPANY, Grand Rapids, Mich. Filed Feb. 5, 1936.



The words "Breathe Pine Air in Your Home" are disclaimed apart from the mark.
For Balsam Compound for Sinus Trouble, Colds, Asthma, Bronchitis, Headaches, Hay Fever, Neuralgia, Coughs, Catarrh, Hoarseness, and Sore Throat.
Claims use since March, 1935.

Ser. No. 375,292. JADWIGA REMEDIES, INC., Brooklyn, N. Y. Filed Feb. 29, 1936.

KRÓLEWSKIE LECZNICZE WINO

The words "Lecznicze Wino" are disclaimed apart from the mark as shown.
For Preparation for Use as a Laxative Drug and Bitter Appetizer.
Claims use since April, 1934.

Ser. No. 375,429. NATHAN EISEN, doing business as Dermarel Company, New York, N. Y. Filed Mar. 2, 1936.

DERMAREL

For Skin Lotion, a Medicinal Preparation Used for Itching, Pimples, Skin, and Face Irritations and for an After Shaving Wash.
Claims use since Feb. 14, 1936.

Ser. No. 375,479. THE SMAD CO., Pasadena, Calif. Filed Mar. 2, 1936.

SMAD

For Foot Powder to Be Used for the Treatment of Athlete's Foot and Various Skin Ailments.
Claims use since Jan. 15, 1932.

Ser. No. 375,894. JEAN PATOU, INC., New York, N. Y. Filed Mar. 12, 1936.

BRANDY OF FLOWERS

For Eau de Cologne.
Claims use since Mar. 7, 1936.

Ser. No. 376,042. GALL-FLO LABORATORIES, INC., Cleveland, Ohio. Filed Mar. 16, 1936.

★ ★ ★ ★ ★

Gall-flo
IMPROVED

The wording is disclaimed when used apart from the other features of the mark as shown.
For Medicinal Preparation for Alleviating Distress and Billousness Arising from a Sluggish Flow of Bile.
Claims use since Jan. 15, 1935.

Ser. No. 376,379. EDGAR S. GEBHART, doing business as Pontiac Medicine Company, Dayton, Ohio. Filed Mar. 30, 1936.

PONTIAC



For General System Tonic.
Claims use since Feb. 2, 1934.

Ser. No. 376,605. PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Mar. 30, 1936.

LIBERTY

For Chlorinated Lime.
Claims use since Feb. 2, 1925.

Ser. No. 376,606. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed Mar. 30, 1936.

TN

For Silicate of Soda, Either Anhydrous, Hydrated, or in Solution.
Claims use since Mar. 12, 1936.

Ser. No. 376,625. BONNE BELL, INC., Cleveland, Ohio. Filed Mar. 31, 1936.

Bodyguard

For Deodorants.
Claims use since Feb. 25, 1936.

Ser. No. 376,675. MINNIE HOLMAN, doing business as The Minco Company, Detroit, Mich. Filed Apr. 1, 1936.

MINCO Co.

For Oil for Treatment of the Skin, Particularly in Massaging the Skin.
Claims use since Feb. 4, 1936.

Ser. No. 376,699. JULIUS H. TUVIN, doing business as The Danol Company, New York, N. Y. Filed Apr. 1, 1936.

DANOL

For Preparation in the Nature of a Tonic and Dressing for the Hair.
Claims use since Jan. 1, 1936.

Ser. No. 376,747. ALBA PHARMACEUTICAL COMPANY, INC., New York, N. Y. Filed Apr. 3, 1936.

BROCANAL

For Sedative and Hypnotic Preparation.
Claims use since Mar. 16, 1936.

Ser. No. 376,785. WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Apr. 3, 1936.

EVICYL

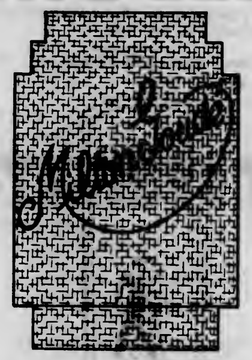
For Sedative and Hypnotic Analgesic.
Claims use since Mar. 17, 1936.

Ser. No. 376,797. FLORENCE FEILER, Beverly Hills, Calif. Filed Apr. 4, 1936.

Bénéderm ★ ★

For Skin Lotion.
Claims use since Mar. 10, 1936.

Ser. No. 376,801. LOTTIE GOODMAN, Hollywood, Calif. Filed Apr. 4, 1936.



The drawing is lined for gold. No claim is made to the outline of a label.
For Cosmetics—Namely, Cleansing Cream, Face Creams, Hand Cream, Eye Cream, Pore Cleanser, Liquid Astringent, Skin Refreshener, Face Powder, Liquid Powder, Make-Up Foundation, Rouges, Lip-Stick, and Eye Shadow Preparation. Also Facial Masks.
Claims use since Mar. 20, 1936.

Ser. No. 376,897. MILTON J. DE ROOS, Brooklyn, N. Y. Filed Apr. 7, 1936.

WRINKLETONE

For Facial Mask, Preparations for the Treatment of Wrinkles and Facial Astringent.
Claims use since May 1, 1935.

Ser. No. 376,956. MERCK & CO. INC., Rahway, N. J. Filed Apr. 8, 1936.

CANEX

For Preparation Used in the Treatment of Mange in Animals.
Claims use since Mar. 30, 1936.

Ser. No. 377,013. THE GEORGE W. LUFT COMPANY, INC., Long Island City, N. Y. Filed Apr. 9, 1936.





The drawing is lined for gold and tangerine red.
For Face Powder and Rouge.
Claims use since December, 1920.

Ser. No. 377,035. TOPEX CO., Durham, N. C. Filed Apr. 9, 1936.

ToPEx

For Preparation for Relief and Treatment of Athlete's Foot.
Claims use since May, 1933.

Ser. No. 377,050. KREMOLA COMPANY, doing business as Kremola Co., Inc., Chicago, Ill. Filed Apr. 10, 1936.

ALICE BLUE GOWN

For Face Powder, Talcum Powder, Body Powder, Lip Sticks, Rouges, Astringents, Astringent Cerates, Bleach Cream, Beauty Cream, Tissue Cream, Vanishing Cream, Cold Cream, Cleansing Cream, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener, in Liquid, Cream or Solid Form; Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Hand Lotions, Skin Lotions, After Shaving Lotion, Pomade, Sachets, Hair Salve, Hair Elixirs, Dandruff Preparation, Hair Tonic, Hair Oil, Shampoo, Hair Dye, Bath Salts, Smelling Salts, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Paste, Depilatories, Nail Powder, Nail Polish, Nail Cream, Nail Polish Remover, Nail Bleaches, Witch Hazel Salve, Camphor Cream, Foot Powder, Corn Salve, Deodorant, Disinfectant, Bay Rum, Perfumes, Liquid Perfumes, Powder Perfumes and Toilet Waters.
Claims use since Feb. 7, 1936.

Ser. No. 377,061. PARK DRUG CO. INC., New York, N. Y. Filed Apr. 10, 1936.

ZINCORA

For Tooth Powder, Astringent Mouth Wash, and Liquid Antiseptic Used Orally and Externally.
Claims use since May, 1925.

Ser. No. 377,081. ROGO, INCORPORATED, New York, N. Y. Filed Apr. 10, 1936.

MORNING GLORY

For Internal Medicinal Preparation for the Treatment of Headache, Upset Stomach, and Other Nervous Conditions Resulting from Over Indulgence.
Claims use since Mar. 31, 1936.

Ser. No. 377,153. E. D. HIGGINBOTHAM, doing business as Desert Wonder Products Co., Mentone, Calif. Filed Apr. 13, 1936.

Desert Wonder

For Medicinal Preparations for the Treatment of Coughs and Colds—Namely, Extract of Yerba Santa, Preparations Made from Yerba Santa—Namely, Troches, Tablets, Tea, Syrup, and Nasal Spray.
Claims use since Apr. 7, 1936.

Ser. No. 377,475. PRINCE MATCHABELLI PERFUMERY, INC., New York, N. Y. Filed Apr. 21, 1936.

Cherokee

For Astringents, Astringent Cerates, Bleach Creams, Beauty Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid, Cream or Solid Form, Eyebrow and Eyelash Grower, Eye Drops, Eyebrow Pencils, Chemical Preparations for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Pomades, Face Powders, Talcum Powders, Body Powders, Dusting Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Hair Dressing, Brilliantine, Bath Salts, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Powders, Nail Polishes, Nail Creams, Nail Bleaches, Witch Hazel Salve, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since Mar. 10, 1936.

Ser. No. 377,495. CARBIDE AND CARBON CHEMICALS CORPORATION, New York, N. Y. Filed Apr. 22, 1936.

WINTER-FLO

For Anti-Freeze Compounds.
Claims use since Sept. 13, 1934.

Ser. No. 377,540. CUMBERLAND PHARMACAL COMPANY, Vineland, N. J. Filed Apr. 23, 1936.

TcUiStSrIaN

For Preparation for Coughs Due to Colds and Minor Throat Irritations.
Claims use since Apr. 16, 1936.

Ser. No. 377,662. JOSEPH E. DELANGER, doing business as Bel-din Laboratories and Bel-din Company, Montrose, Calif. Filed Apr. 27, 1936.

BEL-DIN

For Liquid Compound for Treatment of Asthma.
Claims use since Feb. 18, 1936.

Ser. No. 377,680. FRUIT COSMETICS INC., Coral Gables, Fla. Filed Apr. 27, 1936.



For Lotion for the Feet.
Claims use since Apr. 10, 1936.

Ser. No. 377,732. THE AMERICAN GYPSUM COMPANY, Port Clinton, Ohio. Filed Apr. 28, 1936.

PIONEER

The drawing is lined for blue.
For Insecticides.
Claims use since Apr. 16, 1936.

CLASS 11

Inks and Inking Materials

Ser. No. 371,883. NEW YORK COLOR & CHEMICAL CO. INC., Belleville, N. J. Filed Nov. 22, 1935.

AMBREX

For Printing Inks.
Claims use since May 28, 1927.

Ser. No. 376,273. GENERAL PRINTING INK CORPORATION, Dover, Del., and New York, N. Y. Filed Mar. 23, 1936.

Gen-O-Lith

For Printing and/or Lithographic Inks and Base Products and Extenders and/or Reducers for Printing and/or Lithographic Inks.
Claims use since Jan. 22, 1936.

Ser. No. 377,099. DITTO, INCORPORATED, Chicago, Ill. Filed Apr. 11, 1936.

DITT-SEAL

For Typewriter Ribbons.
Claims use since Feb. 4, 1935.

CLASS 12

Construction Materials

Ser. No. 374,406. CORUNDITE REFRACTORIES, INC., Pittsburgh, Pa. Filed Feb. 3, 1936.

CORUNDITE

For Refractories, Insulating Refractory Materials, Hi-Temperature Cements.
Claims use since July 1, 1907.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 377,500. EAGLE SLIDE FASTENER COMPANY, INC., New York, N. Y. Filed Apr. 22, 1936.

VICTOR

For Separable Fasteners of the Slider Controlled Type
Claims use since Feb. 5, 1936.

CLASS 14

Metals and Metal Castings and Forgings

Ser. No. 368,470. DOEHLER DIE CASTING CO., New York, N. Y. Filed Aug. 20, 1935.

DOLER—BRASS

The term "Brass" is disclaimed apart from the mark shown.
For Die-Casting Metal and Die-Castings.
Claims use since May 4, 1935.

Ser. No. 368,471. DOEHLER DIE CASTING CO., New York, N. Y. Filed Aug. 20, 1935.

DOLER—NIKLBRASS

The term "Niklbrass" is disclaimed apart from the mark shown.
For Die-Casting Metal and Die-Castings.
Claims use since Mar. 19, 1934.

Ser. No. 377,267. ALLEN EVERITT & SONS, LIMITED, London, England. Filed Apr. 16, 1936.

Æ

For Rolled Copper and Brass, and Copper, and Brass Wire; Brass, Copper, Nickel, Cupro-Nickel, and Aluminum Brass (All Unwrought or Partly Wrought) in Plates or Bars.
Claims use since December, 1929.

CLASS 15

Oils and Greases

Ser. No. 371,566. WARNER QUINLAN COMPANY, New York, N. Y. Filed Nov. 14, 1935.

DEESFUEL

Applicant disclaims any right to the word "Fuel" except as used in the mark.
For Petroleum Fuel Particularly Suited and Adapted to Diesel Engines.
Claims use since Oct. 23, 1935.

CLASS 16

Paints and Painters' Materials

Ser. No. 363,527. A. M. SNIDROWSKI, Richmond, Va. Filed Apr. 8, 1935.



For Crack and Rust Preventing Polish for Metal and Painted and Varnished Woodwork.
Claims use since Feb. 28, 1935.

Ser. No. 374,172. ELTON LEITH, doing business as Cascade Outing Supply Company, Seattle, Wash. Filed Jan. 27, 1936.



For Polishing Wax.
Claims use since Sept. 15, 1934.

Ser. No. 374,383. PINE-WHITE, INC., Red Bank, N. J. Filed Feb. 1, 1936.

PINE-WHITE

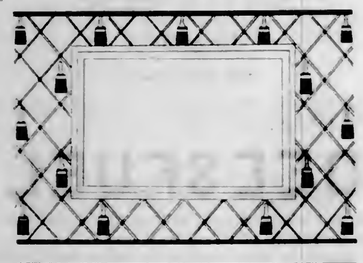
The words "Pine" and "White" are disclaimed apart from each other.
For Deodorizing, Disinfecting, Whitewash Paint, With a Lime Base.
Claims use since Jan. 18, 1936.

Ser. No. 377,504. THE GLIDDEN COMPANY, Cleveland, Ohio. Filed Apr. 22, 1936.

PLI-NAMEL

The word "Namel" is disclaimed apart from the mark as shown.
For Paint Enamels.
Claims use since Jan. 23, 1936.

Ser. No. 377,516. THE LOWE BROTHERS COMPANY, Dayton, Ohio. Filed Apr. 22, 1936.



For Ready Mixed Liquid Paint.
Claims use since Apr. 14, 1936.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 355,539. FRANK C. REILLY, New York, N. Y. Filed Aug. 29, 1934.



Applicant disclaims the words "Metl-2-Metl" and "Brakes and Clutches" apart from the mark.
For Brakes.
Claims use since June 1, 1934.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 370,851. THE GAMEWELL COMPANY, Newton, Mass. Filed Oct. 25, 1935.

ARRESTOLARM

For Mechanical and Electro-Mechanical Sound Producing Warning Signals for Use in Connection with Electrical Fire Alarm Boxes, and Other Purposes.
Claims use since Oct. 1, 1935.

Ser. No. 376,079. LEON W. ARMOUR, doing business as The Pioneer Company, North Bergen, N. J. Filed Mar. 17, 1936.



No claim is made to the word "Cleaner" apart from the mark.
For Electric Vacuum Cleaners.
Claims use since Mar. 2, 1935.

Ser. No. 377,058. NATIONAL UNION RADIO CORPORATION, Newark, N. J. Filed Apr. 10, 1936.



No claim is made to exclusive use of "Radio Set-Tubes" apart from the mark shown.
For Radio Receiving Sets and Tubes.
Claims use since Mar. 31, 1936.

Ser. No. 377,798. MALLORY ELECTRIC CORPORATION, Detroit, Mich. Filed Apr. 29, 1936.



The name "Mallory" except in signature form is disclaimed apart from the mark shown.
For Ignition Systems for Internal Combustion Engines, Including Distributors, Igniters, Coils, Oil Igniters, Condensers, and Spark Timers.
Claims use since Apr. 8, 1936.

Ser. No. 377,968. CRESCENT INSULATED WIRE AND CABLE COMPANY, Trenton, N. J. Filed May 4, 1936.

CRES FLEX

For Non-Metallic Sheathed Cable for Carrying Electrical Currents.
Claims use since Aug. 24, 1931.

Ser. No. 377,970. CRESCENT INSULATED WIRE AND CABLE COMPANY, Trenton, N. J. Filed May 4, 1936.

ENDURITE

For Rubber Insulation Applied to Electrical Conductors and Wire Cable and Conductors Having Said Rubber Insulation Applied Thereto.
Claims use since Sept. 17, 1935.

Ser. No. 377,971. CRESCENT INSULATED WIRE AND CABLE COMPANY, Trenton, N. J. Filed May 4, 1936.

PERMACORD

The word "Cord" is disclaimed apart from the mark shown.
For Portable Electrical Cordage and Conductors.
Claims use since Feb. 19, 1935.

Ser. No. 377,983. HOLLANDER'S AUTO STORES, York, Pa. Filed May 4, 1936.



For Spark Plugs.
Claims use since June, 1935.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 377,855. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass. Filed Apr. 30, 1936.

BULLS & BEARS

For Board Game Played with Movable Pieces.
Claims use since Apr. 27, 1936.

Ser. No. 378,303. THE FEDERAL RUBBER COMPANY, Chicago, Ill., and Chicopee Falls, Mass. Filed May 11, 1936.



For Golf Balls, Balancing Toys, and Coaster Wagons.
Claims use since Jan. 24, 1935, on golf balls; since Oct. 31, 1935, on balancing toys; and since Dec. 6, 1934, on coaster wagons.

Ser. No. 378,304. THE FEDERAL RUBBER COMPANY, Chicago, Ill., and Chicopee Falls, Mass. Filed May 11, 1936.

FEDERAL

For Golf Balls, Balancing Toys, and Coaster Wagons.
Claims use since Jan. 24, 1935, on golf balls; since Oct. 31, 1935, on balancing toys; and since Dec. 6, 1934 on coaster wagons.

Ser. No. 378,306. THE FISK RUBBER CORPORATION, Chicopee Falls, Mass. Filed May 11, 1936.

TIME TO RE-TIRE

For Golf Balls, Balancing Toys, and Coaster Wagons. Claims use since Jan. 31, 1935, on golf balls; since Nov. 1, 1935, on balancing toys; and since Dec. 7, 1934, on coaster wagons.

Ser. No. 378,307. THE FISK RUBBER CORPORATION, Chicopee Falls, Mass. Filed May 11, 1936.



For Golf Balls, Balancing Toys, and Coaster Wagons. Claims use since Jan. 31, 1935, on golf balls; since Nov. 1, 1935, on balancing toys, and since Dec. 7, 1934, on coaster wagons.

Ser. No. 378,339. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill. Filed May 11, 1936.

ALAMO

For Coin-Controlled Amusement Apparatus.
Claims use since Feb. 10, 1936.

Ser. No. 378,502. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed May 15, 1936.



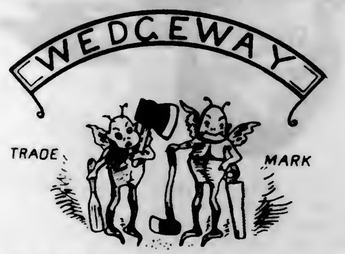
Pegasus

For Golf Balls.
Claims use since Apr. 8, 1936.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 371,602. MORLEY BROTHERS, Saginaw, Mich. Filed Nov. 15, 1935.



No claim is made to the words "Trade Mark" or to the representation of the goods apart from the mark shown.
For Lawn Mowers, Hoes, Rakes, Scrapers, Shovels, Food Choppers, Clippers, Shears, Scissors, Knives, Razors, Files, Glass Cutters, Chucks, Pliers, Wrenches, and Carpenters' Tools—Namely, Adzes, Augers, Awls, Axes, Chisels, Draw Knives, Bits, Braces, Drills, Hack-Saws, Hammers, Hatchets, Handles, Mallets, Planes, Reamers, and Screw-Drivers.
Claims use since January, 1890.

Ser. No. 374,326. THE GLEASON WORKS, Rochester, N. Y. Filed Jan. 31, 1936.

FORMATE

For Machinery Gears, Especially Automotive Gears.
Claims use since Jan. 27, 1936.

Ser. No. 376,734. ROBBINS ENGINEERING COMPANY, Detroit, Mich. Filed Apr. 2, 1936.

MAGNA-SINE

The word "Sine" is disclaimed apart from the mark as shown.
For Magnetic Chucks, Sine Plates.
Claims use since Dec. 1, 1935.

Ser. No. 377,136. BAGBY AND CO., Chicago, Ill. Filed Apr. 13, 1936.

TWISTEE

For Filling Machines for Filling Containers with Ice Cream and Similar Products.
Claims use since February, 1934.

Ser. No. 377,823. BISSELL CARPET SWEEPER COMPANY, Grand Rapids, Mich. Filed Apr. 30, 1936.

GRACE

For Carpet Sweepers.
Claims use since Apr. 14, 1936.

Ser. No. 377,824. BISSELL CARPET SWEEPER COMPANY, Grand Rapids, Mich. Filed Apr. 30, 1936.

GRACEWELL

For Carpet Sweepers.
Claims use since Apr. 14, 1936.

Ser. No. 377,825. BISSELL CARPET SWEEPER COMPANY, Grand Rapids, Mich. Filed Apr. 30, 1936.

SYMPHONY

For Carpet Sweepers.
Claims use since Apr. 14, 1936.

Ser. No. 377,827. BISSELL CARPET SWEEPER COMPANY, Grand Rapids, Mich. Filed Apr. 30, 1936.

VENUS

For Carpet Sweepers.
Claims use since Apr. 14, 1936.

Ser. No. 377,828. BISSELL CARPET SWEEPER COMPANY, Grand Rapids, Mich. Filed Apr. 30, 1936.

CHARM

For Carpet Sweepers.
Claims use since Apr. 14, 1936.

Ser. No. 377,829. BISSELL CARPET SWEEPER COMPANY, Grand Rapids, Mich. Filed Apr. 30, 1936.

DIANA

For Carpet Sweepers.
Claims use since Apr. 14, 1936.

Ser. No. 377,830. BISSELL CARPET SWEEPER COMPANY, Grand Rapids, Mich. Filed Apr. 30, 1936.

WEDGEWOOD

For Carpet Sweepers.
Claims use since Apr. 14, 1936.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 349,156. SOFT-LITE LENS COMPANY, INC., New York, N. Y. Filed Mar. 26, 1934.

DUALENS

For Ophthalmic Lenses and Lens Blanks.
Claims use since Dec. 19, 1933.

Ser. No. 376,157. CINELAB, INC., New York, N. Y. Filed Mar. 18, 1936.



Applicant disclaims the indicia "35, 16, MM."
For 35 Millimeter and 16 Millimeter Motion Picture Film, 35 Millimeter and 16 Millimeter Positive Silent and Sound Motion Picture Prints and Titles, 35 Millimeter and 16 Millimeter Negative Silent and Sound Motion Picture Prints and Titles.
Claims use since 1929.

Ser. No. 376,358. NORDISK FILMS KOMPAGNI AKTIESELSKAB AF 1929, Copenhagen, Denmark. Filed Mar. 24, 1936.



The term "Copenhagen" is disclaimed apart from the mark shown.
For Motion-Picture Films.
Claims use since Jan. 1, 1907.

Ser, No. 377,056. AUREL E. MANGOLD, New York, N. Y. Filed Apr. 10, 1936.



The words "Skeet-Specs" are disclaimed apart from the mark as shown.
For Eye-Glasses, Spectacles, Goggles, Shooting Glasses, and Field Glasses.
Claims use since Mar. 1, 1936.

Ser. No. 377,143. ELECTRO-ACOUSTIC PRODUCTS COMPANY, Fort Wayne, Ind. Filed Apr. 13, 1936.

Illustravox SALESMAKER

For Combined Sound Reproducing and Picture Projecting Apparatus, Either With or Without Synchronization, with Screen Amplifier, Speaker, Motor, Turntable, and Projector, All Incorporated Within a Single Unit.
Claims use since July 5, 1935.

Ser. No. 377,902. CARL ZEISS, Jena, Germany. Filed May 1, 1936.

Septarem

For Lenses, Eyeglasses, Reading Glasses, Magnifying Glasses, Field Glasses, Telescopes, Microcopes, Photographic Cameras, Spectacles, Spectacle-Glasses, Spectacle-Lens Systems, and Goggles.
Claims use since Oct. 12, 1935.

CLASS 27

Horological Instruments

Ser. No. 377,866. WESTERN CLOCK COMPANY, Peru, Ill. Filed Apr. 30, 1936.

Fortune

For Clocks and Watches.
Claims use since June 1, 1933.

Ser. No. 377,868. WESTERN CLOCK COMPANY, Peru, Ill. Filed Apr. 30, 1936.

Siesta

For Clocks and Watches.
Claims use since July 12, 1933.

CLASS 29

Brooms, Brushes, and Dusters

Ser. No. 377,298. BUTLER BROTHERS, Chicago, Ill. Filed Apr. 17, 1936.

INTERLUDE

For Powder Puffs.
Claims use since Feb. 12, 1936.

CLASS 31

Filters and Refrigerators

Ser. No. 378,247. SUPPLEE-BIDDLE HARDWARE CO., Philadelphia, Pa. Filed May 8, 1936.

DAINTY MAID

For Ice Cream Freezers.
Claims use since Apr. 17, 1936.

CLASS 32

Furniture and Upholstery

Ser. No. 374,972. S. H. KRESS AND COMPANY, New York, N. Y. Filed Feb. 18, 1936.



The representation of a window shade is disclaimed apart from the mark as shown.
For Paper and Cloth Porch and Window Shades.
Claims use since Jan. 20, 1936.

Ser. No. 377,488. WA-SHADE MANUFACTURING COMPANY, INC., New York, N. Y. Filed Apr. 21, 1936.

Sav·ur·eyes

For Window Shades.
Claims use since Apr. 1, 1935.

CLASS 33

Glassware

Ser. No. 376,532. ELLIOTT SALES SERVICE CO., Cleveland, Ohio. Filed Mar. 28, 1936.

GIFT-A-DAY

For Glassware for Table Service—Namely, Tumblers, Platters, Sherbet Glasses, Sugar and Creamer Sets, Plates, Butter Dishes, Cups and Saucers, Pitchers, and the Like.
Claims use since Mar. 18, 1936.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 376,537. WALTER L. MORRISON, Portland, Oreg. Filed Mar. 28, 1936.

MONKS BURNER

The word "Burner" is disclaimed apart from the mark shown.
For Sawdust Burners and Furnaces Using Sawdust and Comminuted Wood as Fuel for Heating and Power Purposes.
Claims use since June 1, 1934.

CLASS 36

Musical Instruments and Supplies

Ser. No. 376,201. THE GUITAR PRODUCTS COMPANY, Cleveland, Ohio. Filed Mar. 20, 1936.

SAFE TI STRING

For Musical Instruments—Namely, Guitars, Ukuleles, Banjos, and Mandolins, and on Posts Supplied Separately for Use on Such Instruments.
Claims use since Mar. 2, 1936.

Ser. No. 377,121. OTTO LINK, New York, N. Y. Filed Apr. 11, 1936.

Eburnated BAR

For Reeds and Mouthpieces for Clarinets and Saxophones.
Claims use since Feb. 28, 1936.

CLASS 37

Paper and Stationery

Ser. No. 336,755. THE CHILTON PEN COMPANY, INC., Long Island City, N. Y. Filed Apr. 14, 1933.



For Fountain Pen Sets, Pencils, and Pen Desk Sets.
Claims use since April, 1930.

Ser. No. 374,673. LESTER ARONBERG, doing business as The Markal Co., Chicago, Ill. Filed Feb. 10, 1936.

MARKAL

For Crayons for Marking on Metals, Wood, Cardboard, Porcelain, Glass, Marble, Etc.
Claims use since Jan. 1, 1935.

Ser. No. 375,041. HARRY L. BAKER, doing business as Baker Art Publishing Company, Elmira, N. Y. Filed Feb. 20, 1936.



Genuine Gravure

The words "Genuine Gravure" are disclaimed apart from the mark.
For Writing Paper, Post-Cards, Greeting Cards, and Correspondence Cards.
Claims use since Nov. 26, 1935.

Ser. No. 375,691. THE CERCLA CO., Chicago, Ill., assignor to Cercla, Inc., Chicago, Ill., a corporation of Illinois. Filed Mar. 7, 1936.

Cercla

For Permanent and Loose Leaf Mechanical Binders, Blank Books, Diaries, Stenographer's Note Books, Composition Books, Drawing Pads, Ledgers, Inventory Books, Calendar Desk Pads, Scrap Books, Columnar Pads, Photo Albums, Salesmen's Data Books, Order Books, Telephone Indexes, Appointment Note Books, Address Books, Hand Books, School Work Books, and Check Books.
Claims use since Feb. 17, 1936.

Ser. No. 376,848. THE HOWARD PAPER COMPANY, Urbana, Ohio. Filed Apr. 6, 1936.

STRONGTEX

For Ledger and Bond Paper.
Claims use since Jan. 20, 1936.

Ser. No. 377,208. BLAISDELL PENCIL COMPANY, Philadelphia, Pa. Filed Apr. 15, 1936.



Trade-mark consists of the words "White Stripe" and a white stripe extending longitudinally of a lead pencil of contrasting color, no claim being made to the representation of a pencil per se.
For Lead Pencils.
Claims use since Apr. 11, 1936.

Ser. No. 377,240. STEVENS & THOMPSON PAPER COMPANY, New York, N. Y. Filed Apr. 15, 1936.

ESTEY 1,000 SHEETS 4½x4½ ROLL

The words "Sheets" and "Roll" and the figures "1000" and "4½x4½" are disclaimed.
For Toilet Paper and Paper Towels.
Claims use since Nov. 30, 1935.

Ser. No. 377,244. STEVENS & THOMPSON PAPER COMPANY, New York, N. Y. Filed Apr. 15, 1936.

SOFT · SAFE
SERENE
TISSUE

The words "Soft", "Safe", and "Tissue" are disclaimed.
For Toilet Paper.
Claims use since Jan. 31, 1936.

Ser. No. 377,277. MCLAURIN-JONES CO., Brookfield, Mass. Filed Apr. 16, 1936.

MULTISTICK

For Gummed Papers.
Claims use since Apr. 3, 1936.

CLASS 38

Prints and Publications

Ser. No. 374,364. FIVE STAR PUBLISHING CORPORATION, San Francisco, Calif. Filed Feb. 1, 1936.

FIVE STAR WEEKLY

For Periodical Publication, Published Weekly.
Claims use since Jan. 18, 1936.

Ser. No. 375,084. GRAPHICUT DISPLAYS INCORPORATED, New York, N. Y. Filed Feb. 21, 1936.

GRAPHICUTS

For Displays in the Nature of Printed Advertising Display Signs.
Claims use since Sept. 5, 1935.

Ser. No. 377,125. OBSERVER COMPANY, Charlotte, N. C. Filed Apr. 11, 1936.

Caroline
Chatfield
Says Today

For Section of a Daily Newspaper.
Claims use since Oct. 27, 1930.

Ser. No. 377,704. NEWSVIEW PUBLISHING COMPANY, Columbia, S. C. Filed Apr. 27, 1936.

NEWSVIEW

For Weekly Magazine Publication.
Claims use since Apr. 16, 1936.

CLASS 39

Clothing

Ser. No. 355,010. BROWN PLATTE CO., St. Paul, Minn. Filed Aug. 15, 1934.

Dotty Dunn

Trade-mark is a facsimile of the autograph of Dotty Dunn of St. Paul, Minn.
For Ladies' Ready-to-Wear Hats.
Claims use since June 30, 1929.

Ser. No. 367,969. JOMARK DRESSES, INC., New York, N. Y. Filed Aug. 3, 1935.

JOMARK
JUNIORS

The word "Juniors" is disclaimed apart from the mark shown.
For Misses' Dresses.
Claims use since July 8, 1935.

Ser. No. 370,121. PLYMOUTH WHOLESALE DRY GOODS CORP., New York, N. Y. Filed Oct. 7, 1935.

Wonder Boy



For Boys' Shirts, Pajamas, Hats, Caps, Overalls, Denim Dungarees, Chambray Shirts, Bathrobes, Raincoats.
Claims use since Sept. 10, 1935.

Ser. No. 371,545. WILLIAM T. KNOTT CO., INC., New York, N. Y. Filed Nov. 14, 1935.

CLARENDUN

For Belts for Outer Wear, Bathing Suits, Coats, Garters, Leather and Fabric Gloves, Hosiery, Jackets, Mufflers, Pajamas, Lounging Robes, Suspenders, Sweaters, Spats, Leather Shoes, Neckties, and Underwear for Men, Women, and Children, and Suits and Overcoats for Men.
Claims use since Oct. 1, 1928.

Ser. No. 373,716. BLOSSOM PRODUCTS CORPORATION, Allentown, Pa. Filed Jan. 16, 1936.

QuinS

For Men's and Boys' Suits, Hosiery, Shoes Made of Leather or Fabric for Men, Women, and Children, Pajamas, Brassières, Bathing Suits, Hats for Women and Children, Running Suits, Gymnasium Suits, Bonnets, Gloves Made of Leather or Fabric, Coats and Sweaters, Necktles, Scarfs, Polo and Sweat Shirts, Overalls, Slacks, Babies' Bibs, and Jackets for Men, Women, and Children.
Claims use since Feb. 11, 1935.

Ser. No. 374,243. MOE KURLAND, INC., New York, N. Y. Filed Jan. 29, 1936.

Sugartone Modes
ORIGINAL DESIGN
PARIS LONDON

The words "Original Design," "Paris," "London" and "Modes" are disclaimed apart from the mark as shown.
For Ladies', Women's, and Misses' Dresses, Suits, Capes, and Coats.
Claims use since Jan. 14, 1936.

Ser. No. 375,088. KELLER, HEUMANN & THOMPSON COMPANY, INC., Rochester, N. Y. Filed Feb. 21, 1936.

PERMA-SPUN

The word "Spun" is disclaimed apart from the mark as shown.
For Men's Suits, Topcoats, and Overcoats.
Claims use since Jan. 14, 1936.

Ser. No. 376,149. U-WAN-A WASH FROCKS, INC., New York, N. Y. Filed Mar. 18, 1936.

KOOL-SHANS

The word "Kool" is disclaimed apart from the mark as shown.
For Women's, Misses', Young Ladies', Girls', and Children's Dresses, Suits, Wash Frocks, House Dresses, Sport Suits and Dresses, and Play Suits.
Claims use since Feb. 1, 1936.

Ser. No. 376,450. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Mar. 26, 1936.

Positive Wear

The word "Wear" is disclaimed apart from the mark. The drawing is lined for green.
For Hosiery and Underwear for Men.
Claims use since 1912 on hosiery; since 1928 on underwear.

Ser. No. 376,719. FRIEDMAN & REISS, INC., New York, N. Y. Filed Apr. 2, 1936.

Jacquard Velva

The word "Jacquard" is disclaimed apart from the mark shown.
For Ladies' and Misses' Cloaks, Coats, and Suits.
Claims use since Feb. 28, 1936.

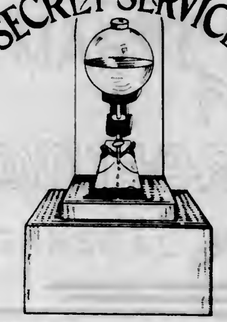
Ser. No. 376,778. SAKS & COMPANY, New York, N. Y. Filed Apr. 3, 1936.

BEACHCOMBERS

For Women's and Misses' Shoes Made of Leather, Rubber, and Fabric, and Combinations Thereof.
Claims use since Mar. 25, 1936.

Ser. No. 377,094. THE BROWN CO. INC., New York, N. Y. Filed Apr. 11, 1936.

SECRET SERVICE



For Women's Slips.
Claims use since Jan. 10, 1934.

Ser. No. 377,135. A. B. ZUCKERT, Milwaukee, Wis. Filed Apr. 11, 1936.

RAINMASTER

For Raincoats.
Claims use since Feb. 3, 1936.

Ser. No. 377,144. FASHION BRASSIERE CO., INC., New York, N. Y. Filed Apr. 13, 1936.

FASHION
-on-Trolette

The word "Fashion" is disclaimed apart from the mark shown.
For Corsets, Corselettes, Girdles, and Brassières.
Claims use since Apr. 2, 1936.

Ser. No. 377,586. S. LIEBOVITZ & SONS, INC., New York, N. Y. Filed Apr. 24, 1936.

CIRCULAIR

For Outer Shirts and Dress Shirts for Men and Boys.
Claims use since Oct. 18, 1935.

Ser. No. 377,651. MAX UDELL SONS & CO., New York, N. Y. Filed Apr. 25, 1936.

Tweedtown

For Men's and Young Men's Suits, Topcoats, and Overcoats.
Claims use since Apr. 6, 1936.

Ser. No. 377,731. BERNARD WORKMAN, INC., New York, N. Y. Filed Apr. 27, 1936.

Whipper Snapper

For Ladies' Hats.
Claims use since Mar. 16, 1936.

Ser. No. 377,780. DONNYBROOK COAT CO., INC., New York, N. Y. Filed Apr. 29, 1936.



For Ladies' Coats.
Claims use since June, 1934.

Ser. No. 377,797. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y. Filed Apr. 29, 1936.



For Men's and Boys' Overcoats.
Claims use since October, 1928.

Ser. No. 377,843. ENRO SHIRT CO., INC., Louisville, Ky. Filed Apr. 30, 1936.

Surfspun

For Men's Negligee and Dress Shirts, and Pajamas.
Claims use since December, 1933.

Ser. No. 377,870. EMANUEL M. ROTH, doing business as E. M. Roth Hosiery Company, New York, N. Y. Filed Apr. 30, 1936.

EMRO

For Women's Hosiery.
Claims use since September, 1931.

Ser. No. 378,056. ROGERS PEET COMPANY, New York, N. Y. Filed May 5, 1936.

Hardeedown

For Men's and Boys' Clothing—Namely, Suits and Coats.
Claims use since Apr. 17, 1936.

Ser. No. 378,057. ROGERS PEET COMPANY, New York, N. Y. Filed May 5, 1936.

Roadster

For Men's Automobile Coats, Overcoats, Topcoats, and Suits.
Claims use since Jan. 20, 1916, on automobile coats, and since Apr. 15, 1936, on overcoats, topcoats, and suits.

CLASS 40

Fancy Goods, Furnishings, and Notions

Ser. No. 374,299. THE NORD-BUFFUM PEARL BUTTON COMPANY, Louisiana, Mo. Filed Jan. 30, 1936.



The word "Brand" is disclaimed.
For Pearl Buttons.
Claims use since November, 1903.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 352,115. F. C. HUYCK & SONS, Rensselaer and Albany, N. Y. Filed May 31, 1934.

KENWOOD
PRODUCTS
KENWOOD
SHRINKLESS

Applicant is owner of trade-mark registration No. 92,428 under the 10-year proviso. The words "Wool Products" and "Shrinkless" are disclaimed except as used in connection with the representation of the ram with the words "Kenwood Wool Products".
For Blankets.
Claims use since May 22, 1934.

Ser. No. 372,666. GENERAL DIAPER SERVICE CORP., Brooklyn, N. Y. Filed December 16, 1935.

GENERAL

The words "diaper service" are disclaimed apart from the mark as shown. The drawing is lined for blue.
For Diapers.
Claims use since Aug. 10, 1935.

Ser. No. 375,486. GEO. MCARTHUR & SONS COMPANY, Baraboo, Wis. Filed Feb. 28, 1936.

Super-Gym

The word "Gym" is disclaimed except in the association shown.
For Knitted Bath Towels.
Claims use since 1924.

Ser. No. 375,884. HOCKMEYER BROS., INC., New York, N. Y. Filed Mar. 12, 1936.

TEXTUROY

For Cotton Piece Goods, Viz., Corduroy.
Claims use since Feb. 5, 1936.

Ser. No. 376,250. ROYAL CURTAIN MANUFACTURING CO., Boston, Mass. Filed Mar. 21, 1936.

ROYALWEAR DATED CURTAINS

The term "Dated Curtains" is disclaimed as part of the mark applied for.
For Curtains.
Claims use since Feb. 1, 1936.

Ser. No. 376,327. WILLIAM L. BARRELL COMPANY, New York, N. Y. Filed Mar. 24, 1936.

GABRELL

For Cotton Piece Goods.
Claims use since Sept. 12, 1935.

Ser. No. 376,621. M. BERZER CO., INC., New York, N. Y. Filed Mar. 31, 1936.

KOAT-A-KOOL

The words "Koat" and "Kool" are disclaimed except in the association shown.
For Piece Goods of Cotton, Wool, Silk, Rayon, Acetate, Synthetic Yarns, and/or Combinations Thereof.
Claims use since Nov. 19, 1935.

Ser. No. 377,726. UTAH WOOLEN MILLS, Salt Lake City, Utah. Filed Apr. 27, 1936.

DOG-ON-GOOD

The word "Good" is disclaimed apart from the mark as shown.
For All-Wool Auto Robes.
Claims use since Mar. 1, 1936.

Ser. No. 377,861. SOKO LACE CO. INC., New York, N. Y. Filed Apr. 30, 1936.

SMARTEX

For Fabric Piece Goods Made of Cotton, Wool, and Combinations of Cotton and Wool.
Claims use since Apr. 1, 1936.

Ser. No. 377,865. UTICA AND MOHAWK COTTON MILLS, INC., Utica, N. Y. Filed Apr. 30, 1936.

CLEANSEAL PAK

The word "Pak" is disclaimed apart from the mark shown.
For Cotton Sheets, Sheetings, Pillow Cases, and Cotton Piece Goods.
Claims use since Mar. 12, 1936.

Ser. No. 378,244. SIEGEL BROS. KIKI MAID KOATS INC., New York, N. Y. Filed May 8, 1936.

VELVECUNE

For Piece Goods Made of Wool, Cotton, Rayon, Silk, Artificial Silk, Artificial Fibers, and Combinations of the Same.
Claims use since Apr. 1, 1936.

CLASS 43

Thread and Yarn

Ser. No. 377,679. FLEISHER YARNS, INC., New York, N. Y. Filed Apr. 27, 1936.

SULTANA

For Yarns for Art Needlework.
Claims use since 1925.

Ser. No. 378,028. THE CLARK THREAD COMPANY, Newark, N. J. Filed May 5, 1936.

TRIDENT

For Thread and Yarn.
Claims use since Feb. 13, 1933.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 371,891. V. R. VOGT, doing business as V. R. Vogt & Co., Des Moines, Iowa. Filed Nov. 25, 1935.

TOP HAT

For Rubber Goods—Namely, Surgical Gloves, Hot Water Bottles and Syringes.
Claims use since Oct. 9, 1935.

Ser. No. 375,449. CHARLES O. MCINTOSH, Des Moines, Iowa. Filed Mar. 2, 1936.

IMPERIAL

For Permanent Hair Waving Machines.
Claims use since Feb. 7, 1936.

Ser. No. 375,880. GEORGE B. EDMUNDS, doing business as M. D. Manufacturing Company, Decatur, Ga. Filed Mar. 12, 1936.



The representation of a man is fanciful. The words "Trade Mark" are disclaimed apart from the mark.
For Non-Medicated First-Aid Bandage in the Form of Latex Rubber.
Claims use since Nov. 28, 1934.

Ser. No. 377,152. HEKO-WERK CHEMISCHE FABRIK A.-G., Berlin-Tempelhof, Germany. Filed Apr. 13, 1936.

Neo-Hekolith

For Dental Cements, Filling Material for Teeth, Plastic Compounds for the Manufacture of Artificial Dentures of All Kinds, Hygienic Syringes, and Instruments, and Artificial Teeth.
Claims use since March, 1933.

Ser. No. 377,509. W. T. GRANT COMPANY, New York, N. Y. Filed Apr. 22, 1936.

EXCELLO

For Absorbent Cotton.
Claims use since Nov. 15, 1935.

Ser. No. 377,801. E. A. MYERS & SONS, Mount Lebanon, Pittsburgh, Pa. Filed Apr. 29, 1936.

SELEX-A-PHONE

No claim is made to the use of the word "Phone" alone.
For Electrically Operated Machines for Prescribing Audiphones for Hard of Hearing People.
Claims use since Dec. 5, 1935.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 378,053. QUALTOP BEVERAGES, INC., doing business as Kodak City Beverages, Rochester, N. Y. Filed May 5, 1936.

Kodak City

For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and for Bottled Drinking Waters.
Claims use since Nov. 15, 1935.

Ser. No. 378,163. CHARLES SUMNER WATKINS, Bloomington, Ill. Filed May 7, 1936.



For Non-Alcoholic, Non-Cereal, Maltless Beverages Sold as Soft Drinks, and Syrups and Extracts for Making the Same.
Claims use since March, 1921.

Ser. No. 378,414. THE PATERSON ROSES, INC., Paterson, N. J. Filed May 13, 1936.

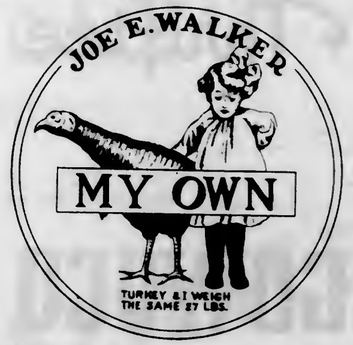
SOFISTICATE GRENADINE

The word "Grenadine" is disclaimed except as shown.
For Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Syrups and Flavors for Making the Same.
Claims use since Dec. 17, 1935.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 370,858. JOE E. WALKER, Kalamazoo, Mich. Filed Oct. 26, 1935.



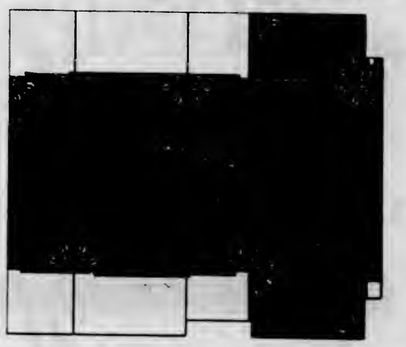
No claim is made to the representation of the turkey, nor to the words "Turkey and I Weigh the Same 27 Lbs." apart from the mark. The portrait is that of Lila Belle Walker.
For Dressed Poultry.
Claims use since Jan. 10, 1933.

Ser. No. 372,884. CLARENCE R. MALMBERG, doing business as Drive In Grocery & Market, Boone, Iowa. Filed Dec. 20, 1935.



The words Trade Mark are disclaimed aside from the mark as shown.
For Butter and Coffee.
Claims use since Oct. 15, 1935.

Ser. No. 373,805. THE W. J. MCCAHAN SUGAR REFINING & MOLASSES CO., Philadelphia, Pa. Filed Jan. 3, 1936.



Color is not an essential feature of the mark. No claim is made to the shape of the carton.
For Cane Sugar.
Claims use since May 3, 1932.

Ser. No. 373,629. WONDER MADE PRODUCTS COMPANY, doing business as Thriftee Products Co., Los Angeles, Calif. Filed Jan. 13, 1936.

Thriftee

For Salad Dressings, French Dressings, Sandwich Spreads, and Mayonnaise.
Claims use since Aug. 21, 1935.

Ser. No. 375,328. GORDON, WOLF, COWEN CO., INC., New York, N. Y. Filed Feb. 28, 1936.

GOWOCO

For Sweetmeat Known as Halvah.
Claims use since February, 1935.

Ser. No. 375,334. MAURY-COLE COMPANY, Memphis, Tenn. Filed Feb. 28, 1936.

Salazan

For Dressing for Salads.
Claims use since Jan. 15, 1936.

Ser. No. 375,747. BLATCHFORD CALF MEAL COMPANY, Waukegan, Ill. Filed Mar. 9, 1936.



No claim is made to any wording except the letters "V-D" apart from the mark shown. The drawing is lined for green and orange.

For Feeds or Ingredients for Use in Making Poultry or Animal Feeds Being a Compound Composed of Ground Cereals and Other Ingredients.
Claims use since Feb. 1, 1936.

Ser. No. 375,861. RUNKEL BROTHERS, INC., New York, N. Y. Filed Mar. 11, 1936.



The words "Tripl-Pak" are disclaimed apart from the other features of the mark.
For Candy.
Claims use since Feb. 5, 1936.

Ser. No. 376,818. SESSIONS COMPANY, INC., Enterprise, Ala. Filed Apr. 4, 1936.



For Peanut Butter.
Claims use since June 1, 1932.

Ser. No. 376,827. SAN JOSE CANNING COMPANY, San Jose, Calif. Filed Apr. 3, 1936.

SUNNYBRAE

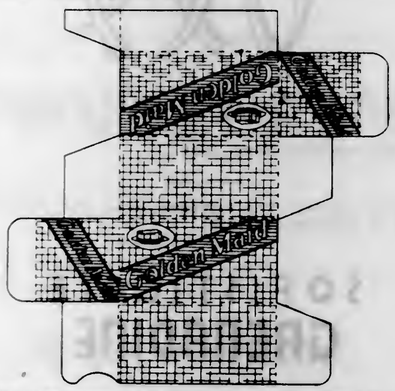
For Canned Vegetables.
Claims use since August, 1928.

Ser. No. 376,942. BURRY BISCUIT CORPORATION, Chicago, Ill., and Linden, N. J. Filed Apr. 8, 1936.

VB's

For Crackers.
Claims use since Mar. 26, 1936.

Ser. No. 377,190. THE MIAMI BUTTERINE CO., Cincinnati, Ohio. Filed Apr. 14, 1936.



The representation of the carton is disclaimed apart from the mark as shown. The drawing is lined for yellow and blue.
For Oleomargarine.
Claims use since Sept. 1, 1927.

Ser. No. 377,342. ALBA PHARMACEUTICAL COMPANY, INC., New York, N. Y. Filed Apr. 18, 1936.

SALBA

For Substitute for Table Salt.
Claims use since Mar. 31, 1936.

Ser. No. 377,486. F. H. VAHLSING, INC., New York, N. Y. Filed Apr. 21, 1936.



For Fresh Vegetables.
Claims use since January, 1925.

Ser. No. 377,555. ROANOKE CITY MILLS, INC., Roanoke, Va. Filed Apr. 23, 1936.



For Cake Flour.
Claims use since February, 1936.

Ser. No. 377,832. THE BLUE RAPIDS MILLING & ELEVATOR CO., Blue Rapids, Kans. Filed Apr. 30, 1936.



The word "Perfection" is disclaimed aside from its association with the other features of the mark.
For Wheat Flour.
Claims use since 1895.

Ser. No. 377,912. PATRICK T. CLARY doing business as Health Coffee Company, Pittsburgh, Pa. Filed May 2, 1936.

CLARCO

For Coffee.
Claims use since Apr. 17, 1936.

Ser. No. 377,927. JOE LOWE CORPORATION, New York, N. Y. Filed May 2, 1936.

STIKSEE

For Frozen Confections.
Claims use since Apr. 2, 1936.

Ser. No. 377,928. JOE LOWE CORPORATION, New York, N. Y. Filed May 2, 1936.

STIXIE

For Frozen Confections.
Claims use since Apr. 2, 1936.

Ser. No. 377,982. HIGHLAND FRUIT CO., Los Angeles, Calif. Filed May 4, 1936.

SilverTower

For Fresh Vegetables.
Claims use since 1932.

Ser. No. 378,003. PULVER COMPANY, INC., Rochester, N. Y. Filed May 4, 1936.

GOLDEN BUBBLE

For Chewing Gum.
Claims use since Oct. 11, 1933.

CLASS 47

Wines

Ser. No. 374,031. WILHELM WASUM, Bacharach-on-the-Rhine, Germany. Filed Jan. 23, 1936.



All notations except "Wilh. Wasum" and "Schloss Furstenberg" are disclaimed apart from the mark.
For Wines.
Claims use since Feb. 14, 1914.

CLASS 48

Malt Beverages and Liquors

Ser. No. 377,933. THE NATIONAL BREWERIES, LIMITED, Montreal, Quebec, Canada. Filed May 2, 1936.



Applicant disclaims the representation of the label per se and the wording thereof except "The National Breweries Limited" and "Dawes Brewery".
For Porter.
Claims use since 1930.

Ser. No. 378,194. A. GETTELMAN BREWING CO., Milwaukee, Wis. Filed May 8, 1936.



For Beer.
Claims use since October, 1935.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 370,595. AMERICAN SPIRITS INC., New York, N. Y. Filed Oct. 21, 1935.



For Rum, Cordials, Whiskey, and Gin.
Claims use since Sept. 15, 1935.

Ser. No. 377,581. KINGS INTERNATIONAL, INCORPORATED, Chicago, Ill. Filed Apr. 24, 1936.



For Apricot, Blackberry, Cherry, and Peach Liqueurs.
Claims use since Mar. 6, 1936.

Ser. No. 377,890. UNITED DISTILLERS CORPORATION, Providence, R. I. Filed May 1, 1936.



For Whiskies.
Claims use since Feb. 1, 1935.

Ser. No. 378,161. "21" BRANDS, INC., New York, N. Y. Filed May 7, 1936.



For Rye Whiskey.
Claims use since Feb. 15, 1936.

Ser. No. 378,511. HIRAM WALKER & SONS INC., Peoria, Ill. Filed May 14, 1936. Under 10-year proviso.

STODART'S

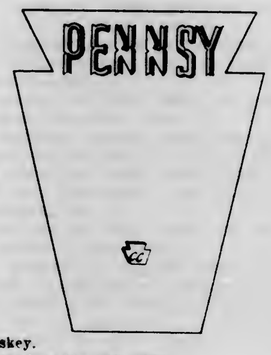
For Whiskey.
Claims use since 1835.

Ser. No. 378,553. J. H. CERECEDO, doing business as J. H. Cerecedo & Company, Chicago, Ill. Filed May 18, 1936.

Old Swizzler

For Rum.
Claims use since Apr. 30, 1936.

Ser. No. 378,554. COUNTRY CLUB SODA CO., INC., Springfield, Mass. Filed May 18, 1936.



For Whiskey.
Claims use since Mar. 15, 1936.

Ser. No. 378,597. U. S. BULK WHISKEY CORP., New York, N. Y. Filed May 18, 1936.

STONE VALLEY

For Whiskey.
Claims use since Apr. 13, 1936.

Ser. No. 378,599. HIRAM WALKER & SONS INC., Peoria, Ill. Filed May 18, 1936.

Camp Ground

For Whiskey.
Claims use since Apr. 27, 1936.

Ser. No. 378,600. HIRAM WALKER & SONS INC., Peoria, Ill. Filed May 18, 1936.

Westbound

For Whiskey.
Claims use since Apr. 27, 1936.

Ser. No. 378,621. THE DISTILLERS COMPANY, LIMITED, Linden, N. J., and New York, N. Y. Filed May 19, 1936.

BLACK CAT

For Gin.
Claims use since May 12, 1936.

Ser. No. 378,704. OLD DIXIE DISTILLING COMPANY, INC., Richmond, Va. Filed May 21, 1936.

FALLING CREEK

For Distilled Whiskies.
Claims use since May 9, 1936.

CLASS 50

Merchandise Not Otherwise Classified

Ser. No. 372,540. ALUM-AT-NITE COMPANY, Anderson, Ind. Filed Dec. 12, 1935.

"ALUM-AT-NITE"

For Non-Illuminated Reflector Signals and Signs for Automobiles and the Like.
Claims use since November, 1935.

Ser. No. 374,718. HARRY R. JOHNSON, doing business as Reflector Belt Co., Baltimore, Ohio. Filed Feb. 11, 1936.

NITE-SAFETY

The words "Nite-Safety" are disclaimed apart from the other features of the mark shown.

For Belt to be Worn Around the Arm, Body, or Elsewhere, Wherein Said Belt is Constructed to Include Button-Like Light Beam and Light Ray Reflectors for Traffic Signalling and Similar Safety Purposes.

Claims use since Feb. 4, 1936.

Ser. No. 375,052. HOLLAND RANTOS COMPANY, INC., New York, N. Y. Filed Feb. 20, 1936.

HOLLANDEX

For Waterproof Surgical Fabrics.

Claims use since Sept. 30, 1935.

Ser. No. 375,242. THE EMBOSSING COMPANY, Albany, N. Y. Filed Feb. 26, 1936.

KNOCK ON WOOD

For Luck Pieces and Tokens.

Claims use since Apr. 24, 1934.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 23, 1936

335,980. REEDS FOR MUSICAL WIND INSTRUMENTS. MARIO MACCAFERRI, Paris, France, and New York, N. Y.
Filed May 4, 1935. Serial No. 364,549. PUBLISHED APRIL 14, 1936. Class 36.

335,981. TRADING STAMPS. SIDNEY SPIER, New York, N. Y.
Filed November 29, 1935. Serial No. 372,115. PUBLISHED APRIL 14, 1936. Class 38.

335,982. SHEET MUSIC. GEORGE E. PETERSON, Los Angeles, Calif.
Filed December 2, 1935. Serial No. 372,225. PUBLISHED APRIL 7, 1936. Class 38.

335,983. PHOTOGRAPHS. HOGLE & TAYLOR COMPANY, New York, N. Y.
Filed December 4, 1935. Serial No. 372,246. PUBLISHED APRIL 7, 1936. Class 38.

335,984. PHOTOGRAPHS. HOGLE & TAYLOR COMPANY, New York, N. Y.
Filed December 7, 1935. Serial No. 372,366. PUBLISHED APRIL 7, 1936. Class 38.

335,985. PHOTOGRAPHS. HOGLE & TAYLOR COMPANY, New York, N. Y.
Filed December 7, 1935. Serial No. 372,367. PUBLISHED APRIL 7, 1936. Class 38.

335,986. SPARK PLUGS. DEFIANCE SPARK PLUGS, INC., Toledo, Ohio.
Filed December 9, 1935. Serial No. 372,399. PUBLISHED April 14, 1936. Class 21.

335,987. REFLECTING SAFETY SIGNALS FOR USE UPON AUTOMOBILES; AND INSTRUMENT PANELS FOR AUTOMOBILES. GENERAL MOTORS CORPORATION, Detroit, Mich.
Filed December 9, 1935. Serial No. 372,412. PUBLISHED APRIL 14, 1936. Class 19.

335,988. SHERRY. J. R. PARKINGTON & CO., LTD., London, England.
Filed December 9, 1935. Serial No. 372,427. PUBLISHED APRIL 14, 1936. Class 47.

335,989. CANNED FRUITS AND VEGETABLES. SCHUYLKILL VALLEY GROCERY CO., INC., doing business as Socket Davis Company, Norristown, Pa.
Filed December, 9, 1935. Serial No. 372,435. PUBLISHED APRIL 14, 1936. Class 46.

335,990. COIN CONTROLLED AMUSEMENT DEVICES, AND MARKSMANSHIP PRACTICING DEVICES. PHOEBUS CORPORATION, Chicago, Ill.
Filed December 18, 1935. Serial No. 372,789. PUBLISHED APRIL 14, 1936. Class 22.

335,991. ZINC SULPHIDE IN POWDER FORM USED AS A PAINT BASE. HERCULES POWDER COMPANY, Wilmington, Del.
Filed December 19, 1935. Serial No. 372,832. PUBLISHED APRIL 14, 1936. Class 16.

335,992. BOTTOM FINISH PREPARATION FOR APPLICATION TO SOLES OF SHOES, AND SOLVENT FOR CLEANING AND PREPARING SHOE BOTTOMS FOR RE-SOLING. SHOE PRESS CORPORATION, Philadelphia, Pa.
Filed December 19, 1935. Serial No. 372,859. PUBLISHED APRIL 7, 1936. Class 4.

335,993. ELECTRIC CARPET-SWEEPERS, FLASHLIGHTS, FLASHLIGHT-LANTERNS, FLASHLIGHT-BATTERIES, RADIO DRY-BATTERIES, ETC. HIBBARD SPENCER, BARTLETT & COMPANY, Chicago, Ill.
Filed December 23, 1935. Serial No. 372,970. PUBLISHED APRIL 14, 1936. Class 21.

335,994. HYDRAULIC LIFTING JACKS. THE SIMMONS MANUFACTURING COMPANY, Cleveland, Ohio.
Filed January 22, 1936. Serial No. 373,978. PUBLISHED APRIL 14, 1936. Class 23.

335,995. ELECTRIC CIGARETTE LIGHTERS. MEYER N. LEIBOWITZ, Philadelphia, Pa.
Filed January 22, 1936. Serial No. 373,964. PUBLISHED APRIL 14, 1936. Class 21.

335,996. PREPARED CAKE ICING. EAS-E-ICE MANUFACTURING CO., Indianapolis, Ind.
Filed January 22, 1936. Serial No. 373,955. PUBLISHED APRIL 14, 1936. Class 46.

335,997. COSMETIC PREPARATIONS—NAMELY, FACIAL CREAMS, SKIN LOTIONS, AND TOILET WATER. G. K. KABEGEANNES, Spartanburg, S. C.
Filed January 20, 1936. Serial No. 373,874. PUBLISHED APRIL 14, 1936. Class 6.

335,998. PREPARATION FOR THE TREATMENT OF CHAPPED, CRACKED, OR DRY LIPS WHICH IS APPLIED LIKE LIP-STICK. ESTELLE A. KIRSTEIN, doing business as Hush Company, Philadelphia, Pa.
Filed January 17, 1936. Serial No. 373,792. PUBLISHED APRIL 14, 1936. Class 6.

335,999. KNOBS, CLEATS, TUBES, SWITCH-BASES, CEILING-BUTTONS, AND PORCELAIN INSULATORS AND INSULATIONS, ALL FOR ELECTRICAL USE. ILLINOIS ELECTRIC PORCELAIN COMPANY, Macomb, Ill.
Filed January 16, 1936. Serial No. 373,735. PUBLISHED APRIL 14, 1936. Class 21.

336,000. METAL STAPLES FOR USE IN TACKING, BINDING, STITCHING, AND SIMILAR MACHINES. MARKWELL MANUFACTURING CO. INC., New York, N. Y.
Filed January 14, 1936. Serial No. 373,645. PUBLISHED APRIL 14, 1936. Class 13.

336,001. VEILS. FARRINGTON & EVANS, INC., New York, N. Y.
Filed January 16, 1936. Serial No. 373,725. PUBLISHED APRIL 14, 1936. Class 42.

336,002. COMPOUNDS FOR PRODUCING A BEVERAGE TO BE USED AS A COFFEE SUBSTITUTE. FLORENCE L. GAILEY, doing business as Universal Health Foundation, Los Angeles, Calif.
Filed January 15, 1936. Serial No. 373,684. PUBLISHED APRIL 14, 1936. Class 46.

336,003. LAMP SHADES OF CELLULOSE DERIVATIVES OR OTHER CELLULOSIC MATERIAL. CELLULOID CORPORATION, Newark, N. J.
Filed January 15, 1936. Serial No. 373,670. PUBLISHED APRIL 14, 1936. Class 34.

336,004. GLASS TUMBLERS AND GLASS STEMWARE. THE FEDERAL GLASS COMPANY, Columbus, Ohio.
Filed January 9, 1936. Serial No. 373,494. PUBLISHED APRIL 14, 1936. Class 33.

336,005. SOAPS, TOILET SOAPS, SHAVING SOAPS, A CLEANING PREPARATION FOR REMOVING SPOTS, GLYCERINE SOAPS, BATH SOAPS, CREAM SOAPS, LIQUID GLYCERINE SOAPS, SILVER CLEANING SOAPS, SHAVING STICKS. PAUL PETER MÜLHENS, doing business as Eau de Cologne- & Parfümerie-Fabrik "Glockengasse No. 4711" gegenüber der Pferdepost von Ferd. Mülhens, Cologne, Germany.
Filed January 8, 1936. Serial No. 373,458. PUBLISHED APRIL 7, 1936. Class 4.

336,006. CONCENTRATED FOOD, IN SOLID OR POWDERED FORM MADE FROM FRUITS, VEGETABLES, GRAINS, AND MINERALS, AND USED FOR GENERAL FOOD PURPOSES. THE HARMONY HEALTH FOODS CO., INC., Homestead, Fla.
Filed January 3, 1936. Serial No. 373,300. PUBLISHED APRIL 14, 1936. Class 46.

336,007. PACKED CHOCOLATE CANDIES. HAZEL HASHAM CAZES, doing business as Drury Lane Chocolates, New York, N. Y.
Filed December 31, 1935. Serial No. 373,280. PUBLISHED APRIL 14, 1936. Class 46.

336,008. WAX POLISH, FOR AUTOMOBILES, WOODWORK, FLOORS, AND THE LIKE. EDWARD C. BISHOP, doing business as Eez-On Products Company, Campgaw, N. J.
Filed January 2, 1936. Serial No. 373,243. PUBLISHED APRIL 14, 1936. Class 16.

336,009. CONCENTRATED FOOD DERIVED FROM COW'S MILK WITH THE ADDITION OF VITAMIN ACCESSORIES USED BY ADDING IT TO FOOD OF HORSES, DOGS, AND OTHER ANIMALS. A. A. YOUNG LABORATORIES, INC., Chicago, Ill.
Filed December 28, 1935. Serial No. 373,153. PUBLISHED APRIL 14, 1936. Class 46.

336,010. ESPECIALLY TREATED OR COATED FABRICS GENERALLY USED AS LININGS OR REINFORCEMENTS. PEPPERELL MANUFACTURING COMPANY, Boston, Mass.
Filed December 28, 1935. Serial No. 373,145. PUBLISHED APRIL 14, 1936. Class 50.

336,011. TEXTILE FABRICS OF ALL TYPES AND STYLES—NAMELY, COTTON PIECE GOODS, TROPICAL WORSTEDS, MIXED WOOL, SILK AND COTTON FABRICS, FOR USE IN MAKING MEN'S, WOMEN'S, AND CHILDREN'S SUITS, COATS, AND SIMILAR ARTICLES OF CLOTHING. A. MARGOLIN & BROS., INC., New York, N. Y.
Filed January 8, 1936. Serial No. 373,455. PUBLISHED APRIL 14, 1936. Class 42.

336,012. OXYGEN AND ACETYLENE REGULATORS, PRESSURE TESTING CYLINDERS, PRESSURE GAUGES, INDICATOR GAUGES, AND METAL PARTS THEREFOR, GAUGE AND REGULATOR ARMS, NIPPLES, DIALS, CASINGS, AND MECHANISMS, OIL GAUGES, AND GOGGLES. THE IMPERIAL BRASS MANUFACTURING COMPANY, Chicago, Ill.
Filed December 24, 1935. Serial No. 373,040. PUBLISHED APRIL 14, 1936. Class 26.

336,013. COIN CONTROLLED AMUSEMENT APPARATUS. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill.
Filed March 2, 1936. Serial No. 375,466. PUBLISHED APRIL 14, 1936. Class 22.

336,014. BOARD GAME PLAYED WITH MOVABLE PIECES. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass.
Filed March 2, 1936. Serial No. 375,462. PUBLISHED APRIL 14, 1936. Class 22.

336,015. BOARD GAME PLAYED WITH MOVABLE PIECES. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass.
Filed March 2, 1936. Serial No. 375,460. PUBLISHED APRIL 14, 1936. Class 22.

336,016. ICE SKATES AND SKATE OUTFITS, THE LATTER CONSISTING OF ATTACHED SHOES AND SKATES. NESTOR JOHNSON MANUFACTURING COMPANY, Chicago, Ill.
Filed March 2, 1936. Serial No. 375,457. PUBLISHED APRIL 14, 1936. Class 22.

336,017. PREPARATION USED IN THE TREATMENT OF CANCER, TUBERCULOSIS, DIABETES, TOXIC GOITER, AND INFANTILE PARALYSIS. WILLIAM FREDERICK KOCH, doing business as Koch Laboratories, Detroit, Mich.
Filed March 2, 1936. Serial No. 375,442. PUBLISHED APRIL 14, 1936. Class 6.

336,018. PREPARATION USED IN THE TREATMENT OF CANCER, TUBERCULOSIS, DIABETES, TOXIC GOITER, AND INFANTILE PARALYSIS. WILLIAM FREDERICK KOCH, doing business as Koch Laboratories, Detroit, Mich.
Filed March 2, 1936. Serial No. 375,441. PUBLISHED APRIL 14, 1936. Class 6.

336,019. GOLF BALLS AND GOLF CLUBS. THE P. GOLDSMITH SONS COMPANY, Cincinnati, Ohio.
Filed March 2, 1936. Serial No. 375,436. PUBLISHED APRIL 14, 1936. Class 22.

336,020. TABLE SYRUP. MANGELS, HEROLD CO., INC., Baltimore, Md.
Filed February 15, 1936. Serial No. 374,890. PUBLISHED APRIL 14, 1936. Class 46.

336,021. FINGER RINGS MADE OF GOLD, PLATINUM, AND A COMBINATION OF GOLD AND PLATINUM. J. FREUDENHEIM & SONS, New York, N. Y.
Filed February 5, 1936. Serial No. 374,392. PUBLISHED APRIL 14, 1936. Class 28.

336,022. THERMOMETERS. WESTON ELECTRICAL INSTRUMENT CORPORATION, Newark, N. J.
Filed January 25, 1936. Serial No. 374,109. PUBLISHED APRIL 14, 1936. Class 26.

336,023. NEWSPAPER SECTION. AMERICAN NEWSPAPERS, INC., New York, N. Y.
Filed February 3, 1936. Serial No. 374,393. PUBLISHED APRIL 14, 1936. Class 38.

336,024. SPECIALLY PREPARED INFANTS' FOOD—NAMELY, A SPRAY-DRIED HOMOGENIZED MIXTURE OF SKIM MILK, VIRGIN OLIVE OIL, DEXTRI-MALTOSE, CALCIUM CASEINATE, AND HALIBUT LIVER OIL. MEAD JOHNSON & COMPANY, Evansville, Ind.
Filed February 3, 1936. Serial No. 374,420. PUBLISHED APRIL 14, 1936. Class 46.

336,025. ACCURACY REGULATING OR ADJUSTING ACCESSORY FOR LIQUID FLOW METERS AND ALSO FOR LIQUID FLOW METERS EMBODYING THE SAME. NATIONAL METER COMPANY, Brooklyn, N. Y.
Filed February 4, 1936. Serial No. 374,472. PUBLISHED APRIL 14, 1936. Class 26.

336,026. FRESH MILK AND CREAM, BUTTERMILK, AND CHOCOLATE MILK. MILTON W. POWELL, doing business as The Baltimore Dairy Company, Baltimore, Md.
Filed February 4, 1936. Serial No. 374,479. PUBLISHED APRIL 14, 1936. Class 46.

336,027. PREPARATION TO BE USED AS A FABRIC CLEANER AND FOR WASHING AND CLEANING SURFACES AND MATERIALS GENERALLY IN INDUSTRIAL AND HOUSEHOLD USE. INDUSTRIAL CHEMICAL PRODUCTS CO., Detroit, Mich.
Filed September 20, 1935. Serial No. 369,533. PUBLISHED APRIL 7, 1936. Class 4.

336,028. MATTRESSES, BOX SPRINGS, MATTRESS PADS, PILLOWS. SLEEPSAFE INDUSTRIES, INC., New York, N. Y.
Filed September 18, 1935. Serial No. 369,462. PUBLISHED FEBRUARY 11, 1936. Class 32.

336,029. WOVEN, KNITTED, AND TEXTILE PIECE GOODS MADE WHOLLY OR IN PART OF COTTON, LINEN, WOOL, WORSTED, SILK, SYNTHETIC SILK, OR COMBINATIONS THEREOF. AARON L. FISCHER, Bradford, Pa.
Filed September 6, 1935. Serial No. 369,059. PUBLISHED APRIL 14, 1936. Class 42.

336,030. STEAM, WATER, GAS, AIR, AND AMMONIA PACKING CONSISTING OF A ROPE-LIKE BODY OF FIBROUS MATERIAL IMPREGNATED WITH AN UNCTUOUS SUBSTANCE. CRANDALL PACKING COMPANY, Palmyra, N. Y.
Filed August 21, 1935. Serial No. 368,519. PUBLISHED APRIL 14, 1936. Class 35.

336,031. ELECTRICAL APPARATUS, MORE PARTICULARLY FOR RADIO INTERFERENCE ELIMINATOR DEVICES. SOLAR MANUFACTURING CORPORATION, New York, N. Y.
Filed May 22, 1935. Serial No. 365,273. PUBLISHED APRIL 14, 1936. Class 21.

336,032. PNEUMATIC TIRES. THE GENERAL TIRE & RUBBER COMPANY, Akron, Ohio.
Filed March 12, 1935. Serial No. 362,415. PUBLISHED APRIL 14, 1936. Class 35.

336,033. WATCH CASES, WATCH DIALS, AND MOVEMENTS THEREOF. NATHAN HOLTZMAN CORP., New York, N. Y.
Filed March 7, 1935. Serial No. 362,229. PUBLISHED APRIL 23, 1935. Class 27.

336,034. CANDY. GOLD BRAND CONFECTIONERY, INC., doing business as Betty Alden Chocolate Co., Boston, Mass.
Filed February 27, 1935. Serial No. 361,883. PUBLISHED JUNE 4, 1935. Class 46.

336,035. SHAVING CREAM AND SHAVING SOAP. CONTINENTAL BLADE CORPORATION, Brooklyn, N. Y.
Filed December 28, 1934. Serial No. 359,712. PUBLISHED MARCH 5, 1935. Class 4.

336,036. FOULARD CLOTH OF SILK. JACOBSON-SON, INC., New York, N. Y.
Filed December 7, 1934. Serial No. 359,038. PUBLISHED MARCH 5, 1935. Class 42.

336,037. SHAMPOO. DERMALAB, INC., Winnetka, Ill.
Filed February 19, 1936. Serial No. 375,006. PUBLISHED APRIL 14, 1936. Class 6.

336,038. SUGAR. THE NATIONAL SUGAR REFINING COMPANY OF NEW JERSEY, Jersey City, N. J., and New York, N. Y.
Filed February 19, 1936. Serial No. 375,023. PUBLISHED APRIL 14, 1936. Class 46.

336,039. CATALOGUES AND BOOKLETS ISSUED FROM TIME TO TIME RELATING TO HORTICULTURAL AND NURSERY PRODUCTS. THE KRIDER NURSERIES INCORPORATED, Middlebury, Ind.
Filed February 19, 1936. Serial No. 375,016. PUBLISHED APRIL 14, 1936. Class 38.

336,040. MAGAZINE OR NEWSPAPER COLUMN. ELEANOR WALBAUM, Chicago, Ill.
Filed February 19, 1936. Serial No. 375,032. PUBLISHED APRIL 14, 1936. Class 38.

336,041. SENSITIZED PHOTOGRAPHIC PAPERS, PLATES, FILMS, ETC. GEVAERT PHOTO-PRODUCTEN NAAMLOOZE VENNOOTSCHAP (PHOTO-PRODUITS GEVAERT SOCIÉTÉ ANONYME), Oude-God, near Antwerp, Belgium.
Filed February 20, 1936. Serial No. 375,046. PUBLISHED APRIL 14, 1936. Class 26.

336,042. ELECTRICAL INSULATING COMPOSITIONS FOR ELECTRICAL CONDUCTORS. THE B. F. GOODRICH COMPANY, Akron, Ohio.
Filed February 21, 1936. Serial No. 375,082. PUBLISHED APRIL 14, 1936. Class 21.

336,043. VENETIAN BLINDS. RY-LOCK COMPANY, LTD., San Leandro, Calif.
Filed February 21, 1936. Serial No. 375,097. PUBLISHED APRIL 14, 1936. Class 32.

336,044. DETACHABLE AND INTERCHANGEABLE HANDLES FOR COOKING AND SERVING DISHES. CORNING GLASS WORKS, Corning, N. Y.
Filed February 24, 1936. Serial No. 375,131. PUBLISHED APRIL 14, 1936. Class 23.

336,045. BEER AND ALE. FLOCK BREWING CO., Williamsport, Pa.
Filed February 24, 1936. Serial No. 375,141. PUBLISHED APRIL 14, 1936. Class 48.

336,046. PREPARATION FOR THE TREATMENT AND PREVENTION OF MOUTH INFECTIONS. THOMAS J. COMER, doing business as Pyropathol Laboratories, Atlanta, Ga.
Filed February 25, 1936. Serial No. 375,198. PUBLISHED APRIL 14, 1936. Class 6.

336,047. CARD TABLES. SEARS, ROEBUCK AND CO., Chicago, Ill.
Filed February 25, 1936. Serial No. 375,227. PUBLISHED APRIL 14, 1936. Class 32.

336,048. MATTRESSES. F. G. HODGES BEDDING CO., Reading, Pa.
Filed February 26, 1936. Serial No. 375,246. PUBLISHED APRIL 14, 1936. Class 32.

336,049. OINTMENT FOR ATHLETE'S FOOT, TRICHOPHYTON, RINGWORM, AND THE LIKE. WALTER E. ANDREWS, doing business as Athleeta Laboratories, San Francisco, Calif.
Filed February 26, 1936. Serial No. 375,310. PUBLISHED APRIL 14, 1936. Class 6.

336,050. CANDIES. MARSHALL FIELD & COMPANY, doing business as Frederick & Nelson, Chicago, Ill.
Filed February 28, 1936. Serial No. 375,312. PUBLISHED APRIL 14, 1936. Class 46.

336,051. READY-MIXED PASTE, OR PAINT IN POWDER FORM, AND CONCENTRATES USED IN THE MANUFACTURE THEREOF. CHARLES BARRELL, doing business as Charles Barrell, Manufacturing Chemist, Hollis, N. Y.
Filed February 28, 1936. Serial No. 375,315. PUBLISHED APRIL 14, 1936. Class 16.

336,052. WHISKEYS, BRANDIES, GINS, AND CORDIALS. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J.
Filed February 28, 1936. Serial No. 375,346. PUBLISHED APRIL 14, 1936. Class 49.

336,053. WHISKEYS, BRANDIES, GINS, AND CORDIALS. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J.
Filed February 28, 1936. Serial No. 375,347. PUBLISHED APRIL 14, 1936. Class 49.

336,054. FIREARMS, PARTICULARLY SPORTING SHOTGUNS AND RIFLES. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn.
Filed February 29, 1936. Serial No. 375,403. PUBLISHED APRIL 14, 1936. Class 9.

336,055. FIREARMS, PARTICULARLY SPORTING SHOTGUNS AND RIFLES. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn.
Filed February 29, 1936. Serial No. 375,402. PUBLISHED APRIL 14, 1936. Class 9.

336,056. FIREARMS, PARTICULARLY SPORTING SHOTGUNS AND RIFLES. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn.
Filed February 29, 1936. Serial No. 375,401. PUBLISHED APRIL 14, 1936. Class 9.

336,057. FINGER RINGS, ORNAMENTAL PINS, CHARMS, BADGES, ALL OF PRECIOUS METAL. L. G. BALFOUR COMPANY, Attleboro, Mass.
Filed February 29, 1936. Serial No. 375,366. PUBLISHED APRIL 14, 1936. Class 28.

336,058. FIREARMS, PARTICULARLY SPORTING SHOTGUNS AND RIFLES. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn.
Filed February 29, 1936. Serial No. 375,404. PUBLISHED APRIL 14, 1936. Class 9.

336,059. FIREARMS, PARTICULARLY SPORTING SHOTGUNS AND RIFLES. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn.
Filed February 29, 1936. Serial No. 375,406. PUBLISHED APRIL 14, 1936. Class 9.

336,060. FIREARMS, PARTICULARLY SPORTING SHOTGUNS AND RIFLES. REMINGTON ARMS COMPANY, INC., Bridgeport, Conn.
Filed February 29, 1936. Serial No. 375,405. PUBLISHED APRIL 14, 1936. Class 9.

336,061. SHELLED AND UNSHELLED NUTS. THE L. DEMARTINI CO., San Francisco, Calif.
Filed January 29, 1936. Serial No. 374,115. PUBLISHED APRIL 14, 1936. Class 46.

336,062. LIQUID PROPRIETARY MEDICINE FOR RHEUMATISM AND LUMBAGO. WALTER H. SMITH, doing business as Kil-rhu-ma-tiz Co., and Reverend King, New York, N. Y.
Filed January 27, 1936. Serial No. 374,167. PUBLISHED APRIL 14, 1936. Class 6.

336,063. FRESH VEGETABLES. LOMPOC VEGETABLE UNION, Lompoc, Calif.
Filed February 8, 1936. Serial No. 374,625. PUBLISHED APRIL 14, 1936. Class 46.

336,064. MEDICINAL PREPARATION FOR THE TREATMENT OF HEADACHES AND STOMACH DISORDERS. ALTON F. DOODY, New Orleans, La.
Filed February 11, 1936. Serial No. 374,711. PUBLISHED APRIL 14, 1936. Class 6.

336,065. PROPHYLACTIC RUBBER GOODS USED FOR THE PREVENTION OF CONTAGIOUS DISEASES. MILDRED H. WILSON, doing business as Wilson Rubber Co., Allston, Mass.
Filed February 11, 1936. Serial No. 374,737. PUBLISHED APRIL 14, 1936. Class 44.

336,066. ACCORDIONS. GRETSCH & BRENNER, INC., New York, N. Y.
Filed February 12, 1936. Serial No. 374,749. PUBLISHED APRIL 14, 1936. Class 36.

336,067. CANNED SALMON. WM. W. MCBRIDE, doing business as Wm. W. McBride Co., Seattle, Wash.
Filed February 14, 1936. Serial No. 374,842. PUBLISHED APRIL 14, 1936. Class 46.

336,068. MATTRESSES AND PILLOWS. TAYLOR BEDDING MFG. CO., Taylor, Tex.
Filed February 15, 1936. Serial No. 374,913. PUBLISHED APRIL 14, 1936. Class 32.

336,069. TITLE OF A MONTHLY PUBLICATION. FARMERS & MANUFACTURERS BEET SUGAR ASSOCIATION, Saginaw, Mich.
Filed February 17, 1936. Serial No. 374,925. PUBLISHED APRIL 14, 1936. Class 38.

336,070. SECTION OF A PRINTED PUBLICATION PUBLISHED AT REGULAR INTERVALS. LANE PUBLISHING CO., San Francisco, Calif.
Filed February 17, 1936. Serial No. 374,929. PUBLISHED APRIL 14, 1936. Class 38.

336,071. SAPONACEOUS COMPOUNDS FOR CLEANING THE HANDS, SHAVING CREAM, SHAVING STICKS, SHAVING POWDER, OUTFIT PACKAGES CONTAINING SOAP AND TOWEL, ETC. SHULTON, INC., New York, N. Y.
Filed February 18, 1936. Serial No. 374,986. PUBLISHED APRIL 7, 1936. Class 4.

336,072. SECTIONS OF PERIODICAL PUBLICATIONS. THE UNITED STATES NEWS PUBLISHING CORPORATION, Washington, D. C.
Filed February 18, 1936. Serial No. 374,991. PUBLISHED APRIL 14, 1936. Class 38.

336,073. MAGAZINE PUBLISHED SEMI-MONTHLY. WE THE PEOPLE, INC., Harrisburg, Pa.
Filed February 18, 1936. Serial No. 374,992. PUBLISHED APRIL 7, 1936. Class 38.

336,074. SHELLED AND UNSHELLED NUTS. THE L. DEMARTINI CO., San Francisco, Calif.
Filed January 29, 1936. Serial No. 374,114. PUBLISHED APRIL 14, 1936. Class 46.

336,075. TEXTILE FABRICS OF SILK, WOOL, LINEN, COTTON, RAYON, AND MIXTURES OF THESE FIBERS, IN THE NATURE OF PIECE GOODS. THE UNITED STATES FINISHING COMPANY, Providence, R. I.
Filed February 4, 1936. Serial No. 374,500. PUBLISHED APRIL 14, 1936. Class 42.

336,076. DETERGENT MATERIAL PARTICULARLY USED FOR CLEANING AUTOMOBILE BODIES, AND THE LIKE. GLITTER PRODUCTS, INC., Detroit, Mich.
Filed February 6, 1936. Serial No. 374,557. PUBLISHED APRIL 7, 1936. Class 4.

336,077. PAINTS (READY-MIXED, PASTE FORM AND DRY), PAINT ENAMELS, LACQUERS, JAPANS, VARNISHES, STAINS, AND PAINT, ENAMEL, VARNISH AND LACQUER FILLERS. THE SHERWIN-WILLIAMS CO., Cleveland, Ohio.
Filed February 6, 1936. Serial No. 374,572. PUBLISHED APRIL 14, 1936. Class 16.

336,078. SLIPS AND NIGHT GOWNS. WILLIAM BABES, New York, N. Y.
Filed February 7, 1936. Serial No. 374,576. PUBLISHED APRIL 7, 1936. Class 39.

336,079. ASPHALT COMPOSITION ROOFING AND BUILDING PAPERS. GLOBE ROOFING PRODUCTS CO., INC., Chicago, Ill.
Filed February 7, 1936. Serial No. 374,586. PUBLISHED APRIL 7, 1936. Class 12.

336,080. WHISKEY. DENEBEIM'S WHOLESALE LIQUOR CO., Kansas City, Mo.
Filed December 6, 1934. Serial No. 358,973. PUBLISHED APRIL 9, 1935. Class 49.

336,081. WHISKY. EDWARD SIMPSON & CO. (DISTILLERS) LIMITED, London, England.
Filed August 30, 1934. Serial No. 355,588. PUBLISHED APRIL 14, 1936. Class 49.

336,082. RUM. RUM COMPANY, LTD., Basel, Switzerland.
Filed August 9, 1934. Serial No. 354,807. PUBLISHED SEPTEMBER 25, 1934. Class 49.

336,083. BRANDIES, COGNAC, ANISE, PUNCH, RUM, GIN, AND WHISKY. JOSÉ MARIA DE HOYOS Y VINENT, Jerez de la Frontera, Spain.
Filed July 28, 1934. Serial No. 354,405. PUBLISHED DECEMBER 18, 1934. Class 49.

336,084. JEWELRY FOR PERSONAL WEAR, OF PRECIOUS AND SEMI-PRECIOUS METALS, NOT INCLUDING CHAINS OR WATCHES. HARRY & BEN FRACKMAN, INC., New York, N. Y.
Filed July 23, 1934. Serial No. 354,199. PUBLISHED APRIL 14, 1936. Class 28.

336,085. BICYCLES OPERATED ONLY BY FOOT PEDALS. EMBLEM MANUFACTURING COMPANY, doing business as The Pierce Cycle Company, Angola, N. Y.
Filed May 11, 1934. Serial No. 352,463. PUBLISHED SEPTEMBER 24, 1935. Class 19.

336,086. FINGER RINGS, RING MOUNTINGS, FLAT AND HOLLOW SILVER TABLE WARE AND TOILET WARE, BRACELETS, NECKLACES, LOCKETS, AND NOVELTIES, ETC. FRANK HERSCHEDE COMPANY, Cincinnati, Ohio.
Filed March 9, 1934. Serial No. 348,384. PUBLISHED APRIL 14, 1936. Class 28.

336,087. CONFECTIONS, PRINCIPALLY PEANUT, CASHEW, AND PECAN CANDIES—NAMELY, FLAKES AND BRITTLES, AND OTHER MISCELLANEOUS CANDIES SUCH AS CREOLE PRALINES. CECIL R. COOK, doing business as Cook's Confections, New Orleans, La.
Filed November 20, 1935. Serial No. 371,841. PUBLISHED APRIL 14, 1936. Class 46.

336,088. QUILTED PADS FOR BED AND UPHOLSTERY SPRINGS, BOX SPRINGS, AND SPRING CONSTRUCTION UNITS FOR BEDS AND UPHOLSTERY, MATTRESSES, CUSHIONS, PILLOWS, COUCHES, STUDIO COUCHES, LOUNGES, BEDS, DAVENPORTS, BUNKS, PORCH GLIDERS, PORCH SWINGS, CHAIRS, OTTOMANS. MOBILE MATTRESS COMPANY, Mobile, Ala.
Filed October 5, 1935. Serial No. 370,059. PUBLISHED APRIL 14, 1936. Class 32.

336,089. GOLF CLUBS. THE CRAWFORD MCGREGOR AND CANBY COMPANY, Dayton, Ohio.
Filed February 15, 1936. Serial No. 374,880. PUBLISHED APRIL 14, 1936. Class 22.

336,090. SILENT, SOUND, DIALOGUE, AND TALKING MOTION PICTURE FILMS. TWENTIETH CENTURY-FOX FILM CORPORATION, New York, N. Y.
Filed January 31, 1936. Serial No. 374,346. PUBLISHED APRIL 14, 1936. Class 26.

336,091. NEWSPAPER COLUMN. NORTH AMERICAN NEWSPAPER ALLIANCE, INC., New York, N. Y.
Filed February 1, 1936. Serial No. 374,377. PUBLISHED APRIL 14, 1936. Class 38.

336,092. PERFUMES, TOILET WATER, FACE POWDER, TALCUM POWDER, BATH SALTS, BRILLIANTINE, BANDOLINE, ROUGE, LIPSTICKS, DUSTING POWDER, SACHET, COLD CREAMS, LOTION FOR THE SKIN AND HAIR, POWDER AND ROUGE COMPACTS AND EAU VEGETAL. SOCIETE ANONYME MYRURGIA, Barcelona, Spain.
Filed February 14, 1936. Serial No. 374,859. PUBLISHED APRIL 14, 1936. Class 6.

336,093. SOAPS. SOCIETE ANONYME MYRURGIA, Barcelona, Spain.
Filed February 14, 1936. Serial No. 374,860. PUBLISHED APRIL 7, 1936. Class 4.

336,094. SALT. ATLANTIC SALT COMPANY, Boston, Mass.
Filed February 15, 1936. Serial No. 374,875. PUBLISHED APRIL 14, 1936. Class 46.

336,095. POWDERED BORIC ACID, ALUM, BORAX, EPSOM SALTS, GROUND FLAXSEED, WHOLE FLAXSEED, CATNIP, ROCHELLE SALTS, SALTPETRE, SULPHUR, SENNA LEAVES, SODIUM PERBORATE FLAVORED, COMPOUND LICORICE POWDER, SODA BICARBONATE AND FLAVORED COD LIVER OIL. BURLINGTON DRUG CO., Burlington, Vt.
Filed February 15, 1936. Serial No. 374,877. PUBLISHED APRIL 14, 1936. Class 6.

336,096. ELECTRICAL DEVICES—NAMELY, HUMIDIFIERS, AIR-MOISTENERS, AIR-CONDITIONERS, AND THE LIKE. PHILIP E. EDELMAN, Chicago, Ill.
Filed November 7, 1935. Serial No. 371,307. PUBLISHED APRIL 14, 1936. Class 21.

336,097. PREPARATION FOR POLISHING FLOORS, INTERIOR WOODWORK, DESKS, FURNITURE AND LIKE SURFACES. FLOOR MAINTENANCE BUREAU, INC., Newark, N. J.
Filed November 4, 1935. Serial No. 371,147. PUBLISHED APRIL 14, 1936. Class 16.

336,098. POULTRY FEED, RABBIT FEED, BIRD FEED AND DOG FOOD. LOUIS A. FEDERER, doing business as Fedco Company, Rosemead, Calif.
Filed October 17, 1935. Serial No. 370,463. PUBLISHED APRIL 14, 1936. Class 46.

336,099. BUTTONS, BADGES, AND INSIGNIAS. OLD AGE REVOLVING PENSIONS, LTD., Washington, D. C.
Filed October 14, 1935. Serial No. 370,356. PUBLISHED APRIL 14, 1936. Class 50.

336,100. CLEANSERS—NAMELY, SCOURING COMPOUNDS AND CLEANING PREPARATIONS IN DRY AND LIQUID FORM, LIQUID SOAPS, SWEEPING COMPOUNDS, AND GENERAL CLEANING COMPOUNDS—NAMELY, CLEANING POWDERS AND LIQUIDS. CRECO COMPANY, INC., Long Island City, N. Y.
Filed October 9, 1935. Serial No. 370,174. PUBLISHED APRIL 7, 1936. Class 4.

336,101. AUTOMOBILE TIRES CONSISTING CHIEFLY OF RUBBER. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y.
Filed January 31, 1936. Serial No. 374,343. PUBLISHED APRIL 14, 1936. Class 35.

336,102. WHISKEY. NEY DISTRIBUTING COMPANY, INC., Washington, D. C.
Filed January 31, 1936. Serial No. 374,339. PUBLISHED APRIL 14, 1936. Class 49.

336,103. MAIDS' AND NURSES' UTILITY UNIFORMS. W. KOTKES & SON, New York, N. Y.
Filed February 1, 1936. Serial No. 374,314. PUBLISHED APRIL 7, 1936. Class 39.

336,104. FEED FOR CATTLE, HOGS, AND POULTRY. SEA BOARD SUPPLY COMPANY, Philadelphia, Pa.
Filed January 25, 1936. Serial No. 374,095. PUBLISHED APRIL 14, 1936. Class 46.

336,105. WHISKEY. JOSEPH H. REINFELD, INC., Newark, N. J.
Filed March 11, 1936. Serial No. 375,858. PUBLISHED APRIL 14, 1936. Class 49.

336,106. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. T. J. PENDERGAST WHOLESALE LIQUOR CO., Kansas City, Mo.
Filed March 11, 1936. Serial No. 375,856. PUBLISHED APRIL 14, 1936. Class 49.

336,107. WHISKEY. JOSEPH H. REINFELD, INC., Newark, N. J.
Filed March 10, 1936. Serial No. 375,814. PUBLISHED APRIL 14, 1936. Class 49.

336,108. WHISKEY. MCKESSON & ROBBINS, INCORPORATED, Fairfield, Conn.
Filed March 10, 1936. Serial No. 375,807. PUBLISHED APRIL 14, 1936. Class 49.

336,109. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. BROWN-FORMAN DISTILLERY COMPANY, Louisville, Ky.
Filed March 9, 1936. Serial No. 375,753. PUBLISHED APRIL 14, 1936. Class 49.

336,110. WHISKEY. DISTILLERS EXCHANGE, INC., New York, N. Y.
Filed March 7, 1936. Serial No. 375,701. PUBLISHED APRIL 14, 1936. Class 49.

336,111. WHISKEY. SAM APRIL LIQUOR STORE, INC., Washington, D. C.
Filed March 7, 1936. Serial No. 375,685. PUBLISHED APRIL 14, 1936. Class 49.

336,112. STRAIGHT AND BLENDED WHISKIES. HARRY SIGEL, Dallas, Tex.
Filed March 6, 1936. Serial No. 375,672. PUBLISHED APRIL 14, 1936. Class 49.

336,113. STRAIGHT AND BLENDED WHISKIES. HARRY SIGEL, Dallas, Tex.
Filed March 6, 1936. Serial No. 375,671. PUBLISHED APRIL 14, 1936. Class 49.

336,114. LAXATIVE ANTACID PREPARATION. THE BISODOL COMPANY, New Haven, Conn.
Filed March 4, 1936. Serial No. 375,537. PUBLISHED APRIL 14, 1936. Class 6.

336,115. WHISKEY, GIN, RUM, BRANDY, AND ALCOHOLIC CORDIALS. T. J. PENDERGAST WHOLESALE LIQUOR CO., Kansas City, Mo.
Filed March 3, 1936. Serial No. 375,519. PUBLISHED APRIL 14, 1936. Class 49.

336,116. WHISKEY, GIN, BRANDY, RUM, COGNAC, AND ALCOHOLIC CORDIALS. MAJESTIC DISTILLING COMPANY, INC., Baltimore, Md.
Filed March 3, 1936. Serial No. 375,514. PUBLISHED APRIL 14, 1936. Class 49.

336,117. BEVERAGE POWDER FOR MAKING A NON-ALCOHOLIC MALTLESS DRINK. GENERAL DESSERTS CORPORATION, New York, N. Y.
Filed March 3, 1936. Serial No. 375,506. PUBLISHED APRIL 14, 1936. Class 45.

336,118. METALLIC PROTECTING PAINT FOR THE BACKS OF MIRRORS. EMERSON GLASS CORPORATION, Jamestown, N. Y.
Filed March 3, 1936. Serial No. 375,500. PUBLISHED APRIL 14, 1936. Class 16.

336,119. BOARD GAMES. MILTON BRADLEY COMPANY, Springfield, Mass.
Filed March 3, 1936. Serial No. 375,492. PUBLISHED APRIL 14, 1936. Class 22.

336,120. COIN-CONTROLLED AMUSEMENT APPARATUS. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill.
Filed March 2, 1936. Serial No. 375,473. PUBLISHED APRIL 14, 1936. Class 22.

336,121. COIN-CONTROLLED AMUSEMENT APPARATUS. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill.
Filed March 2, 1936. Serial No. 375,471. PUBLISHED APRIL 14, 1936. Class 22.

336,122. COIN-CONTROLLED AMUSEMENT APPARATUS. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill.
Filed March 2, 1936. Serial No. 375,470. PUBLISHED APRIL 14, 1936. Class 22.

336,123. COIN-CONTROLLED AMUSEMENT APPARATUS. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill.
Filed March 2, 1936. Serial No. 375,469. PUBLISHED APRIL 14, 1936. Class 22.

336,124. COIN-CONTROLLED AMUSEMENT APPARATUS. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill.
Filed March 2, 1936. Serial No. 375,467. PUBLISHED APRIL 14, 1936. Class 22.

[ACT OF MARCH 19, 1920, SEC. 1 (b)]
THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION

336,125. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE ABSORENE MANUFACTURING COMPANY, St. Louis, Mo. Filed Apr. 9, 1936. Serial No. 376,979.

"CRUMBLY"

For Wall Paper Cleaner.
Claims use since Jan. 10, 1906.

336,126. (CLASS 39. CLOTHING.) JOSEPH ADELSON & SONS, New York, N. Y. Filed Mar. 13, 1936. Serial No. 375,920.

Shirley Ray

For Women's Undergarments—Namely, Nightgowns, Chemises, Step-Ins, Dance Sets, Panties, Slips, Pajamas, and Petticoats.
Claims use since January, 1927.

336,127. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN GLANZSTOFF CORPORATION, New York, N. Y., now by change of name North American Rayon Corporation. Filed Dec. 26, 1933. Serial No. 345,318.

WATAUGA FABRICS

For Knitted, Netted, and Textile Fabrics Composed Wholly or in Part of Yarn of Artificial Origin.
Claims use since Dec. 14, 1933.

336,128. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BLO-KLENE ANTISEPTIC SPEED RAZOR, INC., New York, N. Y. Filed May 13, 1935. Serial No. 364,851.

DATED BLADES

For Razors and Razor Blades.
Claims use since May 8, 1935.

336,129. (CLASS 39. CLOTHING.) H. BORENSTEIN & SONS, Baltimore, Md. Filed Apr. 24, 1936. Serial No. 377,570.

Taneytown

For Men's and Boys' Coats, Vests, and Pants.
Claims use since January, 1931.

336,130. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CONTINENTAL BLADE CORPORATION, Brooklyn, N. Y. Filed Feb. 8, 1936. Serial No. 374,617.

Normandy

For Razors and Razor Blades.
Claims use since March, 1934.

336,131. (CLASS 39. CLOTHING.) COOPER, WELLS & COMPANY, St. Joseph, Mich. Filed May 3, 1935. Serial No. 364,509.

KNO-RUN

For Hosiery.
Claims use since Apr. 29, 1935.

336,132. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DO-SLICER COMPANY, INC., Springfield, Mass. Filed Feb. 14, 1936. Serial No. 374,820.

DŌ – SLICER

For Machines for Slicing Dough.
Claims use since Sept. 15, 1934.

336,133. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) ROY E. HENDERSON, Carrollton, Ohio. Filed Apr. 3, 1936. Serial No. 376,760.

Carrollton U.S.A.

For Semi-Porcelain Dinnerware.
Claims use since 1932.

336,134. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JUNKERS & CO. GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Dessau, Germany. Filed June 6, 1934. Serial No. 352,321.

JUNKERS

For Electric Water Heaters for Household and Industrial Hot-Water Supply Consisting of Electrically Heated Instantaneous and Storage Water Heaters, Electric Heating Boilers for Hot Water Supply, and Parts Thereof—Namely, Electric Valves, Electric Regulators, Electric Switches, Valve-Operating Safety Devices for Shutting Off the Electric Current Upon Lack of Water, Electrically Operated Hot and Cold Water Mixing Valves; Electric Apparatus for Central Heating of Buildings and for Room Heating Consisting of Electrically Heated Stoves, Electric Radiators for Room Heating, Electrically Heated Incandescent Glow-Body Stoves, and Parts Thereof—Namely, Electric Switches; Electrically Operated Air Suction Fans and Blowers, Electrically Operated Air Purifiers; Electric Cooking Apparatus and Utensils—Namely, Electric Cooking Stoves and Ranges, Electric Baking Ovens, Electric Switches.
Claims use since 1896.

336,135. (CLASS 39. CLOTHING.) KEWPIE LINGERIE INC., New York, N. Y. Filed Mar. 9, 1936. Serial No. 375,761.

CERVICE CREPE

For Women's, Misses', and Children's Pajamas, Slips, Chemises, Panties, Step-Ins, Bloomers, Dresses, Nightgowns, Petticoats, Negligees, Dance Sets, and Blouses.
Claims use since January, 1925.

336,136. (CLASS 39. CLOTHING.) KEWPIE LINGERIE INC., New York, N. Y. Filed Mar. 9, 1936. Serial No. 375,762.

SERVICE ATIN

For Women's, Misses', and Children's Pajamas, Slips, Chemises, Panties, Step-Ins, Bloomers, Dresses, Nightgowns, Petticoats, Negligees, Dance Sets, and Blouses.
Claims use since January, 1925.

336,137. (CLASS 39. CLOTHING.) NIGBOR FUR COAT CO. INC., Stevens Point, Wis. Filed Apr. 20, 1936. Serial No. 377,412.

EVENTONE

For Fur Coats.
Claims use since March, 1935.

336,138. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J. Filed May 1, 1935. Serial No. 364,444.

KOKOKOLA

For Alcoholic Cordials and Whiskey Cocktail.
Claims use since Apr. 26, 1935.

336,139. (CLASS 43. THREAD AND YARN.) SEA ISLAND THREAD MFG. CORP., New York, N. Y. Filed Nov. 13, 1935. Serial No. 371,505.

OTTOMAN

The word "Ottoman" is disclaimed apart from the mark. The drawing is lined for red.
For Mercerized Thread and Spool Cotton.
Claims use since Mar. 28, 1911.

336,140. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE SHEFFIELD COMPANY, doing business under the name of K-T-S Products, New York, N. Y., and New London, Conn. Filed Apr. 20, 1935. Serial No. 364,023.

CROMWELL

For Shaving Cream.
Claims use since Apr. 6, 1935.

336,141. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) SHERRY WINE & SPIRITS COMPANY, INCORPORATED, New York, N. Y. Filed July 24, 1935. Serial No. 367,631.

Old Style

For Whiskey and Gin.
Claims use since May 7, 1935.

336,142. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) STONE STRAW CORPORATION, Washington, D. C. Filed Apr. 2, 1936. Serial No. 376,740.

Stone's WRAPPED SANITARY *Straws*

For Drinking Straws.
Claims use since June 1, 1934.

TRADE-MARK REGISTRATIONS RENEWED

108,079. AN INSECT-POWDER FOR THE EXTERMINATION OF INSECTS. Registered January 18, 1916. BOTANICAL MANUFACTURING CO., Wilmington, Del., and Philadelphia, Pa. Renewed January 18, 1936, to Essential Manufacturing Co., Philadelphia, Pa., a firm, successor.

109,505. TEXTILE THREADS. Registered April 11, 1916. BELDING BROS. & CO., Rockville, Conn., and New York, N. Y. Renewed April 11, 1936, to Belding Heminway Company, Putnam, Conn., and New York, N. Y., a corporation of Connecticut, by change of name.

109,820. CITRUS FRUITS AND FRESH FRUITS AND VEGETABLES. Registered April 18, 1916. CHASE & COMPANY, Jacksonville, Fla. Renewed April 18, 1936, to Chase & Company, Sanford, Fla.

109,892. METALLIC INGOTS FORMED OF COPPER. Registered April 25, 1916. DUQUESNE REDUCTION COMPANY, Pittsburgh, Pa., a corporation of Pennsylvania. Renewed April 25, 1936.

110,055. A BELT-DRESSING AND WATERPROOFING FOR LEATHER. Registered May 2, 1916. ADOLPH SOMMER, Cambridge, Mass. Renewed May 2, 1936, to The Stamford Rubber Supply Company, Stamford, Conn., a corporation of Connecticut, assignee.

110,056. A BELT-DRESSING AND WATERPROOFING FOR LEATHER. Registered May 2, 1916. ADOLPH SOMMER, Cambridge, Mass. Renewed May 2, 1936, to The Stamford Rubber Supply Company, Stamford, Conn., a corporation of Connecticut, assignee.

110,095. GLOVES. Registered May 2, 1916. FOWNES BROTHERS & CO., London, England, and New York, N. Y. Renewed May 2, 1936, to Fownes Brothers & Co. Incorporated, Gloversville, Amsterdam, and New York, N. Y., a corporation of New York, assignee.

110,313. A SURGICAL DRESSING. Registered May 16, 1916. DAGGETT & MILLER COMPANY, Providence, R. I., a corporation of Rhode Island. Renewed May 16, 1936.

110,554. A KNIT FABRIC IN THE PIECE. Registered May 30, 1916. THE SALT'S TEXTILE MANUFACTURING COMPANY, Bridgeport, Conn., and New York, N. Y. Renewed May 30, 1936, to The Saltex Looms, Inc., New York, N. Y., a corporation of Delaware, assignee.

110,612. A NEWSPAPER-SECTION. Registered June 6, 1916. STAR COMPANY. Renewed June 6, 1936, to King Features Syndicate, Inc., New York, N. Y., a corporation of New York, successor.

110,660. VINEGAR. Registered June 6, 1916. HOOD RIVER APPLE VINEGAR CO. Renewed June 6, 1936, to Apple Growers Association, Hood River, Oreg., a corporation of Oregon, successor.

110,776. CANNED SALMON. Registered June 13, 1916. PUGET SOUND PACKING CO. Renewed June 13, 1936, to Pacific American Fisheries, Inc., South Bellingham, Wash., a corporation of Delaware, successor.

110,849. PASTE. Registered June 13, 1916. THE CARTER'S INK COMPANY, Cambridge, Mass., a corporation of Massachusetts. Renewed June 13, 1936.

110,878. RICE. Registered June 13, 1916. M. J. BRANDENSTEIN & CO., San Francisco, Calif. Renewed June 13, 1936, to M. J. B. Co., Wilmington, Del., and San Francisco, Calif., a corporation of Delaware, assignee.

110,880. COFFEE. Registered June 13, 1916. M. J. BRANDENSTEIN & CO., San Francisco, Calif. Renewed June 13, 1936, to M. J. B. Co., Wilmington, Del., and San Francisco, Calif., a corporation of Delaware, assignee.

111,155. CERTAIN NAMED HEATING, LIGHTING, AND VENTILATING APPARATUS. Registered July 4, 1916. AMERICAN DISTRICT STEAM COMPANY, North Tonawanda, N. Y., a corporation of New York. Renewed July 4, 1936.

111,269. CERTAIN NAMED CONTAINERS AND PARTS THEREOF. Registered July 4, 1916. THE PAPER VESSELS COMPANY, Baltimore, Md. Renewed July 4, 1936, to The Purity Paper Vessels Company, Clipper Mills, Hampden P. O., Baltimore, Md., a corporation of Maryland, assignee.

111,302. FRUIT TREES. Registered July 4, 1916. STARK BRO'S NURSERIES & ORCHARDS CO., Louisiana, Mo., a corporation of Missouri. Renewed July 4, 1936.

111,513. DRIED FISH, AND PARTICULARLY CODFISH. Registered July 18, 1916. UNION FISH COMPANY, San Francisco, Calif., a corporation of California. Renewed July 18, 1936.

111,527. PLOWS AND PLOWSHARES. Registered July 25, 1916. S. A. LOOSE & SON. Renewed July 25, 1936, to Hamburg Plow Works, Hamburg, Pa., a firm, successor.

111,541. GAS-IRONS. Registered July 25, 1916. NEW YORK PRESSING IRON CO. Renewed July 25, 1936, to New York Pressing Iron Co. Inc., New York, N. Y., a corporation of New York, successor.

111,673. COTTON THREADS, MERCERIZED AND UNMERCERIZED, FOR HAND AND MACHINE USES. Registered July 25, 1916. RICHARDSON SILK CO., Chicago, Ill. Renewed July 25, 1936, to Belding Heminway Company, Putnam, Conn., and New York, N. Y., a corporation of Connecticut, assignee.

111,728. EMBROIDERY-SILKS. Registered August 1, 1916. M. HEMINWAY & SONS SILK CO., Watertown, Conn. Renewed August 1, 1936, to Belding Heminway Company, Putnam, Conn., and New York, N. Y., a corporation of Connecticut, assignee by mesne assignments.

111,755. WASHBOARDS. Registered August 1, 1916. NATIONAL WASHBOARD COMPANY, Chicago, Ill., a corporation of West Virginia. Renewed August 1, 1936.

111,769. KEROSENE-OIL. Registered August 1, 1916. THE TEXAS COMPANY, Houston and Port Arthur, Tex., and New York, N. Y. Renewed August 1, 1936, to The Texas Company, New York, N. Y., a corporation of Delaware, assignee.

111,830. CIGARS, CHEROOTS, AND LITTLE CIGARS. Registered August 8, 1916. CHAS. KAISER, New York, N. Y. Renewed August 8, 1936, to Jay B. Dootson, Seattle, Wash., assignee by mesne assignments.

111,938. CANNED FRUITS. Registered August 15, 1916. GRIFFITH-DURNEY COMPANY, San Francisco, Calif., a corporation of California. Renewed August 15, 1936.

111,939. CANNED FRUITS. Registered August 15, 1916. GRIFFITH-DURNEY COMPANY, San Francisco, Calif., a corporation of California. Renewed August 15, 1936.

112,363. PIECE GOODS OF SILK OR MIXTURES OF SILK AND OTHER TEXTILE MATERIALS. Registered September 5, 1916. BIANCHINI, FERIER, Lyon, France. Renewed September 5, 1936, to Bianchini, Ferier, Inc., New York, N. Y., a corporation of New York, assignee.

112,558. CUSHIONS ON BILLIARD AND POCKET-BILLIARD TABLES. Registered September 12, 1916. THE ROSATTO-BARRY-STREET CO., Philadelphia, Pa., a corporation of Pennsylvania. Renewed September 12, 1936.

112,622. ANTISEPTIC OINTMENT AND ANTISEPTIC POWDER. Registered September 19, 1916. ASEPTINOL MANUFACTURING COMPANY, Baltimore, Md., a corporation of Maryland. Renewed September 19, 1936.

112,802. CUTLERY. Registered September 26, 1916. OLD FILE CUTLERY COMPANY, Havana, Ill., a firm. Renewed September 26, 1936.

112,946. A NEWSPAPER-SECTION. Registered October 3, 1916. STAR COMPANY. Renewed October 3, 1936, to King Features Syndicate, Inc., New York, N. Y., a corporation of New York, successor.

112,947. A NEWSPAPER-SECTION. Registered October 3, 1916. STAR COMPANY. Renewed October 3, 1936, to King Features Syndicate, Inc., New York, N. Y., a corporation of New York, successor.

113,114. OLEOMARGARIN. Registered October 10, 1916. MORRIS & COMPANY. Renewed October 10, 1936, to The North American Provision Company, Chicago, Ill., a corporation of Illinois, assignee.

113,119. CERTAIN NAMED PREPARED ROOFING. Registered October 10, 1916. THE B. F. NELSON MANUFACTURING COMPANY, Minneapolis, Minn., a corporation of Minnesota. Renewed October 10, 1936.

113,120. CERTAIN NAMED PAPER AND STATIONERY. Registered October 10, 1916. THE NEW ENGLAND LIBRARY BINDERY COMPANY, Springfield, Mass. Renewed October 10, 1936, to National Library Bindery Company, West Springfield, Mass., a corporation of Massachusetts, successor.

113,135. PAPER TABLETS AND NOTE-BOOKS. Registered October 10, 1916. THE PRATT PAPER COMPANY, Des Moines, Iowa, a corporation of Iowa. Renewed October 10, 1936.

113,216. WHEAT-FLOUR. Registered October 10, 1916. THE ABILENE FLOUR MILLS CO. Renewed October 10, 1936, to The Abilene Flour Mills Company, Abilene, Kans., a corporation of Delaware, assignee.

113,227. COFFEE. Registered October 10, 1916. CHASE & SANBORN, Boston, Mass. Renewed October 10, 1936, to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

113,272. CERTAIN NAMED FOODS. Registered October 10, 1916. THE B. MANISCHEWITZ COMPANY, Cincinnati, Ohio, a corporation of Ohio. Renewed October 10, 1936.

113,381. PORTLAND CEMENT. Registered October 17, 1916. HAWKEYE PORTLAND CEMENT COMPANY, Des Moines, Iowa, a corporation of West Virginia. Renewed October 17, 1936.

113,406. COTTON, WOOLEN, AND MIXED PIECE GOODS. Registered October 17, 1916. MANVILLE COMPANY, Providence, R. I. Renewed October 17, 1936, to Manville Jenckes Corporation, Manville, R. I., a corporation of Delaware, successor.

113,537. WHEAT-FLOUR. Registered October 24, 1916. THE ABILENE FLOUR MILLS CO. Renewed October 24, 1936, to The Abilene Flour Mills Company, Abilene, Kans., a corporation of Delaware, assignee.

113,553. COTTON PIECE GOODS. Registered October 24, 1916. BRADFORD DYEING ASSOCIATION (U. S. A.), Bradford, R. I., a corporation of Rhode Island. Renewed October 24, 1936.

113,555. CERTAIN NAMED HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES. Registered October 24, 1916. BRIDGEPORT BRASS COMPANY, Bridgeport, Conn., a corporation of Connecticut. Renewed October 24, 1936.

113,574. LUBRICATING-GREASES. Registered October 24, 1916. FISKE BROTHERS REFINING CO., New York, N. Y., a corporation of New York. Renewed October 24, 1936.

113,586. PAPER-BOARD FOR MAKING SHOE PATTERNS AND THE LIKE. Registered October 24, 1916. C. B. HEWITT & BROTHERS. Renewed October 24, 1936, to C. B. Hewitt & Bros. Inc., New York, N. Y., a corporation of New York, assignee.

113,591. TOILET AND SHAVING SOAPS. Registered October 24, 1916. B. J. JOHNSON SOAP COMPANY, Milwaukee, Wis. Renewed October 24, 1936, to Colgate-Palmolive-Peet Company, Jersey City, N. J., a corporation of Delaware, assignee by mesne assignments.

113,624. TABLEWARE AND FLAT-WARE OF PRECIOUS-METAL-PLATED WARE. Registered October 24, 1916. ONEIDA COMMUNITY, LIMITED, Oneida, N. Y. Renewed October 24, 1936, to Oneida Ltd., Sherrill and Oneida, N. Y., and Northampton, Mass., a corporation of New York, by change of name.

113,625. TABLEWARE AND FLAT-WARE OF PRECIOUS-METAL-PLATED WARE. Registered October 24, 1916. ONEIDA COMMUNITY, LIMITED, Oneida, N. Y. Renewed October 24, 1936, to Oneida Ltd., Sherrill and Oneida, N. Y., and Northampton, Mass., a corporation of New York, by change of name.

113,626. TABLEWARE AND FLAT-WARE OF PRECIOUS-PLATED-METAL WARE. Registered October 24, 1916. ONEIDA COMMUNITY, LIMITED, Oneida, N. Y. Renewed October 24, 1936, to Oneida Ltd., Sherrill and Oneida, N. Y., and Northampton, Mass., a corporation of New York, by change of name.

LABELS

REGISTERED JUNE 23, 1936

47,574.—*Title:* ACE MILK OF MAGNESIA TOOTH PASTE. For Tooth Paste. ACE MANUFACTURING COMPANY, Chicago, Ill. Published May 4, 1936.

47,575.—*Title:* ALMONDINE. For Skin Lotion. JOSEPH ALBA, doing business as La Pulita Chemical Company, Scranton, Pa. Published March 10, 1936.

47,576.—*Title:* GREEN BUTTERMILK. For a Supplemental Food for Animals and Poultry. AMERICAN BUTTER COMPANY, Kansas City, Mo. Published March 24, 1936.

47,577.—*Title:* OLD AMERICAN BRAND. For Straight Bourbon Whiskey. THE AMERICAN DISTILLING COMPANY, Baltimore, Md., and Pekin, Ill. Published April 9, 1936.

47,578.—*Title:* OLD AMERICAN BRAND. For Straight Rye Whiskey. THE AMERICAN DISTILLING COMPANY, Baltimore, Md., and Pekin, Ill. Published April 9, 1936.

47,579.—*Title:* OLD AMERICAN BRAND SPECIAL. For Blended Whiskey. THE AMERICAN DISTILLING COMPANY, Baltimore, Md., and Pekin, Ill. Published April 9, 1936.

47,580.—*Title:* OLD AMERICAN BRAND SPECIAL. For Blended Whiskey. THE AMERICAN DISTILLING COMPANY, Baltimore, Md., and Pekin, Ill. Published April 9, 1936.

47,581.—*Title:* AN AMAZING CLEANER THAT DISSOLVES GREASE AND THUS ENDS NEEDLESS SCOURING AND SCRUBBING. For a Cleaning Preparation. B. T. BABBITT, INC., New York, N. Y. Published May 4, 1936.

47,582.—*Title:* PROGRESS. For Powder for Cleaning and Softening Water. JUD SEYMOUR BARNES, doing business as Progress Products Company, Vicksburg, Mich. Published March 15, 1936.

47,583.—*Title:* BEAR BRAND HOSIERY. For Hosiery. BEAR BRAND HOSIERY CO., Kankakee and Chicago, Ill. Published March 18, 1936.

47,584.—*Title:* BIRD NEPONSET RUG, BIRD RUGS ARMORED WITH BAKELITE. For Rugs. BIRD FLOOR COVERING SALES CORP., East Walpole, Mass. Published May 1, 1936.

47,585.—*Title:* "CHATEAU CHANABEC" CANADA'S CHEESE DESSERT. For Cheese Food Blend of Genuine Roquefort and Cream Cheese with a Small Percentage of Mineral Solids. THE BORDEN COMPANY, New York, N. Y. Published March 11, 1936.

47,586.—*Title:* BUSS AUTO FUSES. For Electrical Fuses. BUSSMANN MANUFACTURING COMPANY, St. Louis, Mo. Published April 22, 1936.

47,587.—*Title:* SUNFLOWER. For Carbon Paper. THE CARTER'S INK COMPANY, doing business as R & C Art Co., Cambridge, Mass. Published March 16, 1936.

47,588.—*Title:* CERTIFIED WINE INSTITUTE OF AMERICA. For Certified Wine. CERTIFIED WINE INSTITUTE OF AMERICA, INC., Denver, Colo. Published March 10, 1936.

47,589.—*Title:* DISTINCTIVE FOOTWEAR—VANITY MAID. For Footwear. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published June 17, 1935.

47,590.—*Title:* THE PIONEER SHOE. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published May 18, 1936.

47,591.—*Title:* REST-O-ARCH. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published April 15, 1936.

47,592.—*Title:* FOX-O-PEDIC HEALTH SHOE. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published April 21, 1936.

47,593.—*Title:* ROBERTA SHOES. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published March 25, 1936.

47,594.—*Title:* SAND-WITCH SANDALS. For Sandals. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published March 17, 1936.

47,595.—*Title:* POWER SHOE. For Shoes. M. B. CLAFF & SONS, INC., Randolph and Brockton, Mass. Published April 14, 1936.

47,596.—*Title:* BEAUTIFUL SHOES, THE J. L. HUDSON COMPANY, DETROIT. For Shoes. A. C. CLAYTON PRINTING CO., St. Louis, Mo. Published July 12, 1935.

47,597.—*Title:* THE HIGBEE CO., CLEVELAND BEAUTIFUL SHOES. For Shoes. A. C. CLAYTON PRINTING CO., St. Louis, Mo. Published August 24, 1935.

47,598.—*Title:* CLIMALENE. For a Cleanser, Water Softener, and Soap Saver. THE CLIMALENE COMPANY, Canton, Ohio. Published March 10, 1936.

47,599.—*Title:* CROFLAN TWEED. For Tweed. THE CROFTER HAND-WOVEN HARRIS TWEED CO., LTD., Stornoway, Scotland. Published October 1, 1935.

47,600.—*Title:* DRI-BRITE'S ONCE OVER AUTO POLISH. For Automobile Polish. DRI-BRITE, INC., St. Louis, Mo. Published April 25, 1936.

47,601.—*Title:* DUFF'S DEVIL'S FOOD MIX. For Devils Food Cake Mixture. P. DUFF & SONS, INC., Pittsburgh, Pa. Published April 28, 1936.

47,602.—*Title:* FLEISCHMANN'S. For Sloe Gin. THE FLEISCHMANN DISTILLING CORPORATION, New York, N. Y. Published April 21, 1936.

47,603.—*Title:* SUNNY MIST FLORIDA NATURAL—(BOX END). For Canned Grapefruit Juice. FLORIDA CITRUS CANNERS COOPERATIVE, Lake Wales, Fla. Published January 2, 1936.

47,604.—*Title:* SEALD-SWEET (BOX END). For Grapefruit. FLORIDA CITRUS CANNERS COOPERATIVE, Lake Wales, Fla. Published January 2, 1936.

47,605.—*Title:* FIVE O'CLOCK CLUB. For Beer. A. GEITELMAN BREWING CO., Milwaukee, Wis. Published April 1, 1936.

47,606.—*Title:* GIRARD'S FAMOUS FRENCH SALAD DRESSING. For Salad Dressing. W. J. GIRARD, doing business as Girard's French Restaurants, San Francisco, Calif. Published November 17, 1934.

47,607.—*Title:* A & P BREAD. For Bread. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, New York, N. Y. Published May 20, 1936.

47,608.—*Title:* DR. WALTER'S LATHERLESS-BRUSHLESS FACIAL SHAVE. For a Latherless and Brushless Shaving Cream. GREAT LAKES LABORATORIES, Waukegan, Ill. Published February 24, 1936.

47,609.—*Title:* STAG BEER. For Lager Beer. GRIESEDIECK WESTERN BREWERY COMPANY, Belleville, Ill. Published March 16, 1935.

47,610.—*Title:* PRIDE. For Celery. GULF COAST CELERY COMPANY, INC., Sarasota, Fla. Published February 5, 1936.

47,611.—*Title:* OINTMENT BLANDOXIDE HASLAM. For an Ointment. FENTON J. HASLAM, Cambridge, Mass. Published April 9, 1936.

47,612.—*Title:* ONCE ONLY MOTHPROOF. For a Liquid Preparation for Protecting Clothing, Blankets, Carpets, Rugs, Upholstered Furniture, Etc. from Moths. HERMANN CHEMICAL CO., St. Paul, Minn. Published January 15, 1936.

47,613.—*Title:* COUNTRY GENTLEMAN GOLDEN CORN WHISKEY. For Corn Whiskey. KASKO DISTILLERS PRODUCTS CORP., Philadelphia, Pa. Published April 24, 1936.

47,614.—*Title:* KING'S TEXAS CENTENNIAL. For Candies. KING CANDY COMPANY, Fort Worth, Tex. Published April 20, 1936.

47,615.—*Title:* KNIGHT'S. For Sweet Pickles. KNIGHT PACKING COMPANY, Portland, Oreg. Published April 8, 1936.

47,616.—*Title:* YOU WILL LIKE MY STUFF . . . AWFUL FRESH MAC FARLANE. For Chocolates, Candy, and Nuts. D. L. MACFARLANE, Oakland, Calif. Published March 30, 1936.

47,617.—*Title:* MARKWELL'S "C T Q". For a Type Cleaner. MARKWELL MFG. CO., INC., New York, N. Y. Published May 4, 1936.

47,618.—*Title:* SMOOTH SAILIN. For Candy Bars. F. A. MARTOCCIO COMPANY, doing business as Hollywood Candy Co., Minneapolis, Minn. Published January 2, 1936.

47,619.—*Title:* McGEE'S SURPLUS LIPSTICK ABSORBER. For Tissue for the Removal of Surplus Lipstick from the Lips. BESSIE A. MCGEE, doing business as McGee's, Kansas City, Mo. Published February 23, 1935.

47,620.—*Title:* VITA-GOLD. For Eggs. CHARLES E. MCMANUS, doing business as Spring Hills Farm, Cockeysville, Md. Published March 1, 1935.

47,621.—*Title:* COD LIVER OIL WITH VIOSTEROL. For Cod Liver Oil with Viosterol. MEAD JOHNSON & COMPANY, Evansville, Ind. Published April 30, 1936.

47,622.—*Title:* MERLITE. For a Furniture and Wood Polish. C. A. MERRITT CO., Boston, Mass. Published December 20, 1935.

47,623.—*Title:* MONITOL "V". For First-Aid Dressing for Animals. H. A. MONTGOMERY COMPANY, Detroit, Mich. Published April 8, 1936.

47,624. *Title:* ENERGY. For Flour. NATIONAL RETAILER-OWNED GROCERIES, INC., Chicago, Ill. Published April 22, 1936.

47,625.—*Title:* NEUWEILER'S CREAM ALE. For Ale. LOUIS F. NEUWEILER'S SONS, Allentown, Pa. Published December 28, 1935.

47,626.—*Title:* NEUWEILER'S PILSENER BEER. For Beer. LOUIS F. NEUWEILER'S SONS, Allentown, Pa. Published December 28, 1935.

47,627.—*Title:* NEVA WET. For a Preparation for Rendering Fabrics and Garments Water Repellent, Spot and Stain Resistant. NEVA WET BOTTLING COMPANY, INC., New York, N. Y. Published March 2, 1936.

47,628.—*Title:* G-MEN SECRET COMMUNICATION SET. For Secret Communication Sets. NEW YORK TOY & GAME CO., INC., New York, N. Y. Published April 29, 1936.

47,629.—*Title:* G-MEN LABORATORY OUTFIT. For a Combination of Finger Print and Secret Communication Sets. NEW YORK TOY & GAME CO., INC., New York, N. Y. Published April 29, 1936.

47,630.—*Title:* G-MEN TRAINING OUTFIT. For Target Sets. NEW YORK TOY & GAME CO., INC., New York, N. Y. Published April 29, 1936.

47,631.—*Title:* MERLE NORMAN. For Sulphur. MERLE NORMAN, Ocean Park, Calif. Published March 3, 1936.

47,632.—*Title:* OERTEL'S CREAM ALE. For Ale. THE OERTEL COMPANY INCORPORATED, Louisville, Ky. Published April 25, 1936.

47,633.—*Title:* CERTIFIED NO. 1 GRADE. For Red Cedar Shingles. PACIFIC COAST SHINGLE INSPECTION BUREAU, INC., Seattle, Wash. Published February 15, 1936.

47,634.—*Title:* CERTIFIED NO. 2 GRADE. For Red Cedar Shingles. PACIFIC COAST SHINGLE INSPECTION BUREAU, INC., Seattle, Wash. Published February 17, 1936.

47,635.—*Title:* SANITARY EVER-WEAR WATERPROOF SEMI-GLOSS PAINT. For Waterproof Semi-Gloss Paint. PAINT-POINT PRODUCTS CO., INC., Brooklyn, N. Y. Published April 3, 1936.

47,636.—*Title:* SOFISTICATE. For Grenadine. THE PATERSON ROSES, INC., Paterson, N. J. Published December 17, 1935.

47,637.—*Title:* PFEIFFER'S WINTER BEER. For Beer. PFEIFFER BREWING COMPANY, Detroit, Mich. Published November 22, 1935.

47,638.—*Title:* HOUSE OF PICKWICK. For Talcum Powder. PICKWICK COSMETIC CORP., New York, N. Y.. Published November 29, 1935.

47,639.—*Title:* BON VIVANT. For Port Wine. WALTER P. POWERS, Chicago, Ill. Published January 15, 1934.

47,640.—*Title:* ANDERSON CLUB. For Straight Whisky. WALTER P. POWERS, Chicago, Ill. Published November 12, 1933.

47,641.—*Title:* MARQUETTE. For Blended Rye Whiskey. WALTER P. POWERS, Chicago, Ill. Published November 12, 1933.

47,642.—*Title:* BEN FRANKLIN. For Blended Whiskey. WALTER P. POWERS, Chicago, Ill. Published January 15, 1934.

47,643.—*Title:* WESTMORELAND. For Bourbon Whiskey. WALTER P. POWERS, Chicago, Ill. Published November 12, 1933.

47,644.—*Title:* BIG YANK INITIAL KIT. For Swatches of Fabric Having Thermo-Plastic Adhesive Back and Letters Printed on the Face to be Cut Out as Initials. RELIANCE MANUFACTURING COMPANY, Chicago, Ill. Published April 23, 1936.

47,645.—*Title:* ST. JAMES BRONCHIAL COUGH BALSAM. For Bronchial Cough Balsam. WALTER KETZLAF, doing business as St. James Pharmacy, Rockville Centre, N. Y. Published March 31, 1936.

47,646.—*Title:* COFFEE. For Coffee. THOMAS M. ROYAL & Co., Philadelphia, Pa. Published February 13, 1936.

47,647.—*Title:* COFFEE. For Coffee. THOMAS M. ROYAL & Co., Philadelphia, Pa. Published February 10, 1936.

47,648.—*Title:* COFFEE. For Coffee. THOMAS M. ROYAL & Co., Philadelphia, Pa. Published February 18, 1936.

47,649.—*Title:* COFFEE. For Coffee. THOMAS M. ROYAL & Co., Philadelphia, Pa. Published February 13, 1936.

47,650.—*Title:* MOTHER GOOSE. For Bread. SANIWAX PAPER CO., Kalamazoo, Mich. Published March 23, 1936.

47,651.—*Title:* BUTT'R LIKE. For Imitation Flavor for Oleomargarine and Shortening. MILTON H. SCHOENFIELD, doing business as Fields Food Products Co., Pasadena, Calif. Published May 12, 1936.

47,652.—*Title:* LADY ROSE BRAND. For Salad Dressing. LOUIS SCHULMAN, doing business as Food Specialties Company, Cincinnati, Ohio. Published February 6, 1935.

47,653.—*Title:* BIG BOY BREAD. For Bread. SHAWMUT MILLS, doing business as Shawmut Waxed Paper Co., Holliston, Mass. Published March 16, 1936.

47,654.—*Title:* SLICED HOME MADE BREAD. For Bread. SMITH STEAM BAKERY, Greenville, Pa. Published December 23, 1935.

47,655.—*Title:* BOVIN. For Cattle and Dairy Spray. SOLARINE COMPANY, Baltimore, Md. Published April 15, 1936.

47,656.—*Title:* OUR NAVY. For Beer. SOUTHERN BREWERIES, INC., Norfolk, Va. Published May 4, 1936.

47,657.—*Title:* SCHWEN'S ICE CREAM NO. 499 A. B. P. For Ice Cream. SUTHERLAND PAPER COMPANY, Kalamazoo, Mich. Published May 6, 1936.

47,658.—*Title:* ROYAL'S BEST ICE CREAM NO. 445 A. B. P. For Ice Cream. SUTHERLAND PAPER COMPANY, Kalamazoo, Mich. Published May 13, 1936.

47,659.—*Title:* ROYAL GOLD. For Cigars. JNO. H. SWISCHER & SON, INC., Jacksonville, Fla. Published October 7, 1935.

47,660.—*Title:* DETOUR "BLACK LEAF 40" NICOTINE SULPHATE. For Nicotine Sulphate. TOBACCO BY-PRODUCTS & CHEMICAL CORPORATION, INCORPORATED, Louisville, Ky. Published April 22, 1936.

47,661.—*Title:* DESIGN 120. For Coffee. UNION BAG & PAPER CORPORATION, New York, N. Y. Published May 4, 1936.

47,662.—*Title:* DESIGN 118. For Coffee. UNION BAG & PAPER CORPORATION, New York, N. Y. Published May 4, 1936.

47,663.—*Title:* DESIGN 114. For Coffee. UNION BAG & PAPER CORPORATION, New York, N. Y. Published May 4, 1936.

47,664.—*Title:* DESIGN 122. For Coffee. UNION BAG & PAPER CORPORATION, New York, N. Y. Published May 4, 1936.

47,665.—*Title:* DESIGN 112. For Coffee. UNION BAG & PAPER CORPORATION, New York, N. Y. Published May 4, 1936.

47,666.—*Title:* STOP SPOT. For Cleaning Fluid. UNION OIL COMPANY OF CALIFORNIA, Los Angeles, Calif. Published January 15, 1936.

47,667.—*Title:* ARISTOCRAT. For Potatoes. VICK & SONS, Goulds, Fla. Published March 1, 1936.

47,668.—*Title:* SUNSEALD. For Canned Grapefruit Juice. WHITEFIELD CITRUS PRODUCTS CORPORATION, Bradenton, Fla. Published March 1, 1935.

47,669.—*Title:* WYNNE MOTOR OIL. For Motor Oil. WYNNE OIL COMPANY, Philadelphia, Pa. Published January 8, 1936.

47,670.—*Title:* RONSON 100% PURE PENNSYLVANIA MOTOR OIL. For Motor Oil. WYNNE OIL COMPANY, Philadelphia, Pa. Published January 8, 1936.

PRINTS

REGISTERED JUNE 23, 1936

15,734.—*Title:* BUT THERE'S NO MAKE-BELIEVE ABOUT THE HAZARDS HE FACES NOW! For Wheat Breakfast Food. THE CREAM OF WHEAT CORPORATION, Minneapolis, Minn. Published May 5, 1936.

15,735.—*Title:* JUNKET MIX FOR ICE CREAM. For Preparation for Making Ice Cream in Refrigerator or Hand Freezer. CHR. HANSEN'S LABORATORY, INC., Little Falls, N. Y. Published March 21, 1936.

15,736.—*Title:* I FINALLY GOT WISE. For Coffee. HILLS BROS., San Francisco, Calif. Published April 17, 1936.

15,737.—*Title:* OUR IDEAS WERE OUT OF DATE. For Coffee. HILLS BROS., San Francisco, Calif. Published April 10, 1936.

15,738.—*Title:* OUR IDEAS WERE OUT OF DATE. For Coffee. HILLS BROS., San Francisco, Calif. Published April 10, 1936.

15,739.—*Title:* IT PAYS TO FIND OUT. For Coffee. HILLS BROS., San Francisco, Calif. Published March 20, 1936.

15,740.—*Title:* IT PAYS TO FIND OUT. For Coffee. HILLS BROS., San Francisco, Calif. Published March 20, 1936.

15,741.—*Title:* BOY, I'M GLAD THAT'S OVER. For Coffee. HILLS BROS., San Francisco, Calif. Published March 13, 1936.

15,742.—*Title:* BOY, I'M GLAD THAT'S OVER. For Coffee. HILLS BROS., San Francisco, Calif. Published March 13, 1936.

15,743.—*Title:* I AM TELLING EVERYBODY. For Coffee. HILLS BROS., San Francisco, Calif. Published March 6, 1936.

15,744.—*Title:* I AM TELLING EVERYBODY. For Coffee. HILLS BROS., San Francisco, Calif. Published March 6, 1936.

15,745.—*Title:* WAS MY FACE RED. For Coffee. HILLS BROS., San Francisco, Calif. Published February 28, 1936.

15,746.—*Title:* HOW FOOLISH I WAS. For Coffee. HILLS BROS., San Francisco, Calif. Published February 7, 1936.

15,747.—*Title:* WE HAD BEEN MISSING THE BOAT. For Coffee. HILLS BROS., San Francisco, Calif. Published February 14, 1936.

15,748.—*Title:* WE HAD BEEN MISSING THE BOAT. For Coffee. HILLS BROS., San Francisco, Calif. Published February 14, 1936.

15,749.—*Title:* I WAS GETTING DESPERATE. For Coffee. HILLS BROS., San Francisco, Calif. Published February 21, 1936.

15,750.—*Title:* I WAS GETTING DESPERATE. For Coffee. HILLS BROS., San Francisco, Calif. Published February 21, 1936.

15,751.—*Title:* WAS MY FACE RED. For Coffee. HILLS BROS., San Francisco, Calif. Published February 28, 1936.

15,752.—*Title:* HOW FOOLISH I WAS. For Coffee. HILLS BROS., San Francisco, Calif. Published February 7, 1936.

15,753.—*Title:* SO—I UP AND TOLD HER. For Coffee. HILLS BROS., San Francisco, Calif. Published April 24, 1936.

15,754.—*Title:* SO—I UP AND TOLD HER. For Coffee. HILLS BROS., San Francisco, Calif. Published April 24, 1936.

15,755.—*Title:* I FINALLY GOT WISE. For Coffee. HILLS BROS., San Francisco, Calif. Published April 17, 1936.

15,756.—*Title:* STUDY THESE CHARTS AND SEE WHY IT PAYS TO FEED LARRO DAIRY FEED. For Dairy Feed. THE LARROWE MILLING COMPANY, Detroit, Mich. Published March 18, 1936.

15,757.—*Title:* THEY ALL NEED DARRO EGG MASH. For Poultry Feed. THE LARROWE MILLING COMPANY, Detroit, Mich. Published April 13, 1936.

15,758.—*Title:* THE GLASS BOTTLE—THE TIN CAN. For Beer. MACWILKINS & COLE, INC., Portland, Oreg. Published April 8, 1936.

15,759.—*Title:* THE BOTTLE OR THE CAN FOR BLITZ-WEINHARD BEER. For Beer. MACWILKINS & COLE, INC., Portland, Oreg. Published April 10, 1936.

15,760.—*Title:* SIGNAL SEAL LITMUS TEST. For Rye or Bourbon Whiskey. THE RECTIFIED PRODUCTS CORPORATION, Union City, N. J. Published March 10, 1936.

15,761.—*Title:* "KEEP-EM-ALIVE." For Fish Stringers. LEORA M. WICKMAN, doing business as Millsite Steel & Wire Works, Howell, Mich. Published April 20, 1936.

REISSUES

JUNE 23, 1936

20,014
HOLLOW FORGED VALVE AND METHOD OF MAKING THE SAME

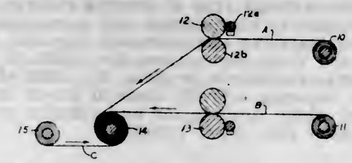
William Scrimgeour, Washington, D. C.
Original No. 1,950,953, dated March 13, 1934, Serial No. 347,671, March 16, 1929. Application for reissue November 18, 1935, Serial No. 50,481
25 Claims. (Cl. 29—156.7)



25. In the manufacture of valves of the character described, the method comprising the steps of providing a blank having its greater diameter equal to that of the head portion of the finished valve without deforming the metal in said head portion, reducing a portion of said blank to a diameter and length equal to that of the stem portion of the valve, and then drilling out the interior of said stem portion.

20,015
METHOD AND APPARATUS FOR DRYING FRESHLY PRINTED WEBS

Frank J. Tone, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a corporation of Pennsylvania
Original No. 1,941,338, dated December 26, 1933, Serial No. 568,346, October 12, 1931. Application for reissue May 8, 1935, Serial No. 20,442
14 Claims. (Cl. 101—420)

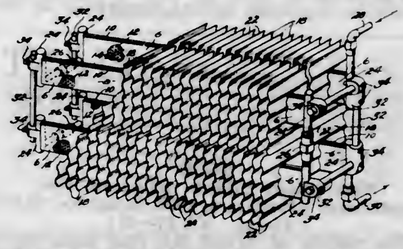


1. The method of drying freshly printed webs, which comprises concomitantly printing images on opposite sides of material and rolling up the printed material in conjunction with a carrier web of material having a gritty surface on each side thereof, so that the freshly printed images on one side contact with one gritty surface of the carrier web, and the freshly printed images on the other side contact with the other gritty surface of the carrier web.

20,016
REFRIGERATING COIL

Ernest R. Hopkins, Kansas City, Mo., assignor of one-half to James P. Curry, Kansas City, Mo.
Original No. 1,966,096, dated July 10, 1934, Serial No. 616,833, June 13, 1932. Application for reissue August 16, 1935, Serial No. 36,557
21 Claims. (Cl. 257—255)

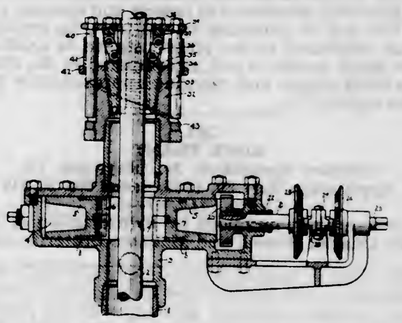
1. A refrigerating coil comprising a plurality of juxtaposed units each having a refrigerant conduit and a plurality of fins in heat exchanging relation with a predetermined length of said conduit, said predetermined length of conduit being flattened-tubular in cross-section to form an attenuated refrigerant passage; and a perforated heat-conducting baffle member within said length of conduit in contact with the inner face of said conduit, said baffle member being of the same general flattened cross section as the said flattened conduit and formed of a single piece



of sheet metal provided with perforations therethrough whereby to present smooth surfaces to the refrigerant passing through the conduit.

20,017
BLOWOUT PREVENTER AND SUPPORT

John R. Martin, Houston, Tex., assignor to James S. Abercrombie, Houston, Tex.
Original No. 1,967,417, dated July 24, 1934, Serial No. 216,308, August 29, 1927. Application for reissue September 23, 1935, Serial No. 41,784
15 Claims. (Cl. 251—62)



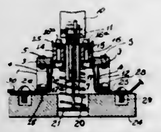
10. A blowout preventer including a housing, flat rams slidable transversely of said housing, flat faces in said housing adjacent the flat faces of said rams, a passage thru said housing, an annular packing seated in the ram and arranged to seal with the flat face of the housing, and a packing spaced from the body of the first packing but connected to the ends of said first packing and disposed to seal the front of each ram.

20,018
AUTOMATIC CIRCUIT BREAKER

Joseph Sachs, West Hartford, Conn.
Original No. 1,812,842, dated June 30, 1931, Serial No. 271,819, April 21, 1928. Application for reissue April 21, 1933, Serial No. 667,291
56 Claims. (Cl. 200—88)

1. An automatic circuit breaker comprising in combination, a movable contact member biased

toward its open-circuit position, a movable actuating member normally adapted to move the con-



tact member to open or close the circuit, and an electro-responsive means comprising an element inherently responsive to abnormal current conditions in the circuit and constituting at least a part of a mechanical connection between the said actuating and contact members normally operative to prevent independent circuit opening movement of the latter, the said element upon the attainment of an abnormal current condition in the circuit being relatively movable by reason of its own inherent electro-responsive characteristics so as to render the said mechanical connection ineffective and to thereby permit the contact member to move to its open-circuit position independently of the actuating member.

PLANT PATENTS

GRANTED JUNE 23, 1936

185
ROSE
Verne Stone Hillock, Arlington, Tex.
Application February 8, 1936, Serial No. 62,995
1 Claim. (Cl. 47—61)

The variety of hybrid tea rose plant herein shown and described, characterized particularly by its unusual prolificacy in the production of fall flowering shoots, by its foliage with reddish edgings, and markings, and by its large well-formed flowers of distinctive coloration and other desirable qualities as described.

186
PEACH
Charles Edward Sullivan, Yuba City, Calif.
No Drawing. Application November 9, 1935, Serial No. 49,118
1 Claim. (Cl. 47—62)

The herein described peach tree characterized by its strong resistance to insects and disease, and by the lack of gumming of the fruit, its freedom from reddening at the pit, resistance to oxidization when peeled or cut, as compared to the Phillips cling peach, and ripening approximately five days earlier.

187
ROSE PLANT
William Spandikow, Jr., Maywood, Ill.
Application July 20, 1935, Serial No. 32,410
1 Claim. (Cl. 47—61)

A rose plant produced by hybridization of the Mrs. Charles Russell and Madame Butterfly roses which is distinguishable from other varieties by its opaque, somewhat waxy appearance and mildly pinkish, silvery white general color which is modulated by strong canary yellow and pink areas near the base of the petals.

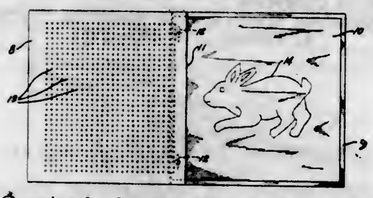
188
ORNAMENTAL CHERRY TREE
Neville Mitchell Smith, York, Pa.
Application July 2, 1935, Serial No. 29,473
1 Claim. (Cl. 47—59)

An ornamental cherry tree (*Prunus subhirtella pendula*) as herein shown and described, characterized by having extremely long, slender, pendulous branches, starting from the head and immediately drooping and bending gracefully down to the ground, resembling the branches of a weeping willow (*Salix Babylonica*); having a stem or trunk unusually smooth and upright; the bark of the tree being lighter in color and smoother than the ordinary type of weeping cherries and less inclined to knot, disease and gum; and the branches carrying approximately one and one-third and more leaves than the ordinary type of *Prunus subhirtella pendula*, the color of the foliage becoming a lovely shade of bronze in the autumn which turns to red and remains on the tree longer than other varieties.

PATENTS

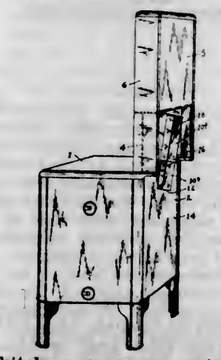
GRANTED JUNE 23, 1936

2,044,760
DRAWING DEVICE
Rudolph E. Anderson, Racine, Wis.
Application April 26, 1933, Serial No. 667,974
1 Claim. (Cl. 35—26)



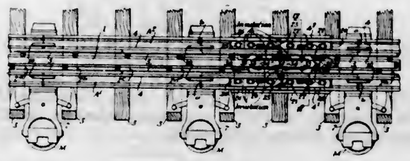
A drawing book, comprising a permanent cover chart member susceptible of indefinite re-use in its original condition, for the plotting of predetermined selected points for the attainment of a variety of dissimilar illustration outlines, said cover chart member being formed with uniformly spaced vertical rows of perforations therein with different indicia representations for the various rows, and a removable and replaceable drawing sheet secured immediately adjacent the inner face of said cover chart to receive directly on its surface separated delineations imparted by means of a marking instrument inserted through selected perforations of the cover chart, said drawing sheet being susceptible of receiving marks on its surface to connect the delineations.

2,044,761
ADJUSTABLE FLUE FOR GAS RANGES
Joseph Becvar, Wickliffe, Ohio, assignor to The Cleveland Cooperative Stove Company, Cleveland, Ohio, a corporation of Ohio
Application June 12, 1935, Serial No. 26,213
2 Claims. (Cl. 126—307)



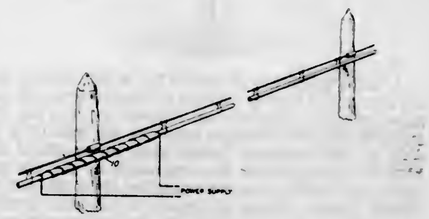
1. In a kitchen range, an upright rear splash panel, upright side flange walls extending rearwardly therefrom for spacing the stove from a wall, a flue permanently mounted by one end portion on the rear wall of the stove for swinging movement to and fro between the flange walls and generally along the splash panel, said flue being extensible and contractible in a direction generally parallel to the splash panel and lying within the space defined by the splash panel and flange walls and being concealed thereby.

2,044,762
RAILWAY BRAKING APPARATUS
Herbert L. Bone, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 30, 1935, Serial No. 4,128
18 Claims. (Cl. 188—62)



1. As a new article of manufacture, a beam section for a car retarder comprising two beam members disposed end to end and rigidly secured together by means which insulates one beam member from the other.

2,044,763
MAINTAINING CABLE SHEATH
George M. Bouton, Lynbrook, N. Y., and Earle E. Schumacher, Maplewood, N. J., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application September 28, 1935, Serial No. 42,566
6 Claims. (Cl. 148—21.4)

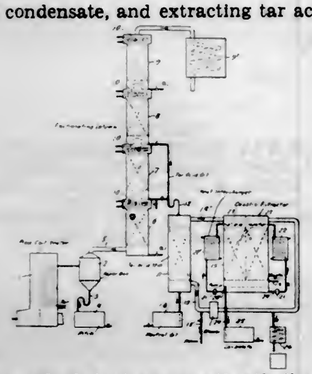


1. The method of rejuvenating in situ cable sheath consisting of lead alloyed with other materials, which comprises heating a suitable section of the cable sheath to a temperature of from 110° to 240° C. and in any case to a sufficient temperature for sufficient time to cause the sheath to assume a metallurgical structure similar to freshly extruded sheath.

2,044,764
DISTILLATION OF TAR
Wilfred M. Bywater, Weehawken, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application July 8, 1931, Serial No. 549,429
19 Claims. (Cl. 196—76)

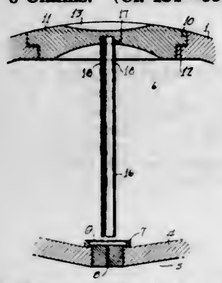
9. The method of treating coal tar, which comprises heating the tar to such a temperature that, on flashing, tar acids will vaporize, flashing the heated tar, cooling the resulting vapors so as to obtain a tar acid oil, vaporizing tar acids from the resulting condensate by the self-contained heat

of the condensate, and extracting tar acids from



the vapors by bringing a caustic alkaline reagent into direct contact therewith.

2,044,765
LUBRICATOR FOR PNEUMATIC TOOLS
John W. Arnold, San Francisco, Calif.
Application June 17, 1933, Serial No. 676,378
8 Claims. (Cl. 184—55)

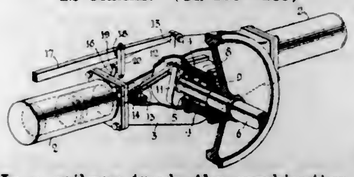


1. In a lubricating device for a pneumatic tool, an elongated casing having a longitudinal air passage adjacent the bottom thereof, means for connecting the air passage into the air line of a tool and an oil chamber above said air passage with a port leading from the chamber to the air passage, the casing being connected into the air line below center so as to retain a normal position when being dragged over the ground surface as part of the air line, and the casing having a rounded top surface and a flattened bottom face to facilitate return to a normal position from any rolling excursion.

2,044,766
PROCESS FOR SEPARATING THE VOLATILE LIQUID ORGANIC CONSTITUENTS OF PYROLIGNEOUS ACID
Pierre Berthélemy and François Baylocq, Paris, France, assignors to Société Anonyme Francaise said: Les Produits Chimiques Purs, Paris, France
No Drawing. Application June 26, 1931, Serial No. 547,180. In France June 28, 1930
6 Claims. (Cl. 260—122)

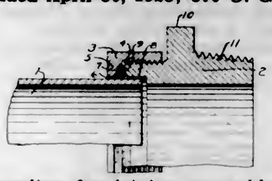
2. The process for obtaining individually, in a substantially pure state, the volatile liquid organic constituents of pyroligneous acid which comprises adding a phenol to the pyroligneous acid to form molecular associations stable in the presence of the aqueous medium, separating the molecular associations from the aqueous medium, and then heating said associations step by step to temperatures corresponding respectively to their decomposition temperatures to obtain each said volatile liquid organic constituent separately.

2,044,767
TRUCK FOR RAIL VEHICLES AND THE LIKE
William J. Besler, Plainfield, N. J., assignor to Besler Systems, Emeryville, Calif., a corporation of California
Application March 6, 1934, Serial No. 714,348
12 Claims. (Cl. 105—135)



1. In a railway truck, the combination comprising a frame, load-bearing axles journaled therein, a reciprocating engine directly connected to each end of one of said axles and supported therefrom for pivotal movement with respect to said frame, rods extending between said one of said axles and an adjacent axle and a connection between each engine and the adjacent rod to limit the pivotal movement of said engine and to transmit a part of the torque reaction of the engine to the adjacent axle.

2,044,768
COUPLING
James B. Brelsford, Dayton, Ohio
Application July 26, 1934, Serial No. 737,048
3 Claims. (Cl. 285—122)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A coupling for joining separable members comprising, in combination with the members to be connected, an annular resilient deformable sealing element having a predetermined cross-sectional configuration and adapted to surround and contact with one of the members and to contact with the adjoining end face of the other member, a clamping member surrounding said first-mentioned member and adapted to contact with said sealing element and to be secured to said second-mentioned member, the sealing element contacting surface of said clamping member forming with the sealing element contacting surfaces of said first and second-mentioned members an annular space of cross-sectional configuration different from that of said sealing element but having cross-sectional areas substantially equal to the corresponding cross-sectional areas of said sealing element so that when said members are secured together the sealing element will be substantially confined within said space but deformed to materially increase the contacting area and frictional gripping effect between said sealing element and said first-mentioned member.

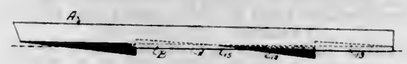
2,044,769
PROCESS FOR PREPARING ZEIN
Harry A. Baron, Cambridge, and John Vincent MacDonough, Watertown, Mass., assignors, by mesne assignments, to Arthur D. Little, Inc., a corporation of Massachusetts
No Drawing. Application August 7, 1935, Serial No. 35,102
15 Claims. (Cl. 87—28)

1. The process of preparing zein which comprises dissolving the zein in a solvent comprising water and a suitable organic solvent miscible therewith, adjusting the pH of said solution to a value between approximately 6.5 and 12, and precipitating the zein in a finely divided form by reducing the concentration of the organic solvent.

2,044,770
COATED ARTICLE AND COMPOSITION THEREFOR
Edward R. Bush, Lemont, Ill., assignor to Chadeloid Chemical Company, New York, N. Y., a corporation of West Virginia
No Drawing. Application August 4, 1931, Serial No. 555,138
13 Claims. (Cl. 134—79)

1. As a coating composition, in combination, a cellulose ester, a water soluble aniline dye, and a glycol ether in proportions to yield a light-fast, non-bleeding coating.

2,044,771
BOAT CONSTRUCTION
Milton D. Carr, Jr., Miami, Fla.
Application September 11, 1934, Serial No. 743,600
3 Claims. (Cl. 114—66.5)



1. In a boat construction, a bow end bottom having V formation and inclined rearwardly, a stern end bottom of upwardly arched formation and inclined rearwardly to provide throughout the same an air dome immediately in rear of the V shaped formation, the upwardly arched formation being inset within the body of the boat to be disposed elevated with respect to the plane of the V formation and wholly within the body and means disposed at opposite longer edges of the bottom and extending slightly forwardly of the upwardly arched formation and terminating at the stern end for providing air retainers at the air dome.

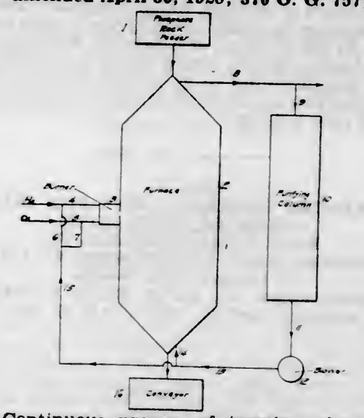
2,044,772
PRESERVATIVE AND MARINE GROWTH ARRESTING PROCESS
Wallace T. Conn, Lawrence, Mass., assignor to the Government of the United States, represented by the Secretary of Commerce
No Drawing. Application October 29, 1932, Serial No. 640,352
1 Claim. (Cl. 91—68)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

Cordage and the like composed of cellulose material containing ethyl mercury chloride in combination with a tar-like carrier.

2,044,773
PRESERVATIVE AND MARINE GROWTH ARRESTING PROCESS
Wallace T. Conn, Lawrence, Mass., assignor to Government of the United States, represented by the Secretary of Commerce
No Drawing. Application April 5, 1934, Serial No. 719,180
3 Claims. (Cl. 91—68)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

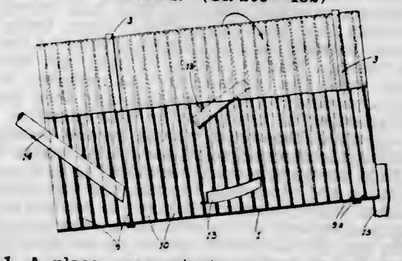
1. Cordage and the like having combined therewith a flexible, adhesive, organic substance in combination with an organic compound of mercury having an ethyl radical.

2,044,774
TREATING PHOSPHATE ROCK TO ELIMINATE FLUORINE
Harry A. Curtis, Knoxville, Tenn., assignor to Tennessee Valley Authority, Wilson Dam, Alabama, a corporation
Application November 15, 1934, Serial No. 753,137
4 Claims. (Cl. 71—7)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



4. Continuous process of treating phosphate rock to render it available for plant food which comprises heating a mass of fine, granular phosphate rock, to a temperature just below the sintering point of the phosphate rock, by contact with the product of combustion of a mixture of hydrogen and oxygen, in the substantial absence of other gaseous materials.

2,044,775
DRY CONCENTRATOR
Ernest L. Dreifus, Sacramento, Calif.
Application February 12, 1934, Serial No. 710,876
2 Claims. (Cl. 209—482)



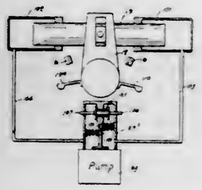
1. A placer concentrator comprising a drum, means rotatably mounting the drum so that its

bottom has an upward slope from end to end, means to feed material into the drum adjacent its lower end, a helical flange extending lengthwise of and about the drum on the inside to form a channel into which the material is fed, and arranged to advance material in the channel to the upper end of the drum, the uppermost turns of the flange being relatively shallow, and a rail extending about said turns inwardly thereof and radially spaced therefrom sufficient to permit of the escape of small particles from the channel and over the flange.

2,044,776
METHOD OF MAKING ORGANIC ESTERS OF CELLULOSE
Camille Dreyfus, New York, N. Y., and George Schneider, Montclair, N. J., assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application October 26, 1934, Serial No. 750,130
10 Claims. (Cl. 260—102)

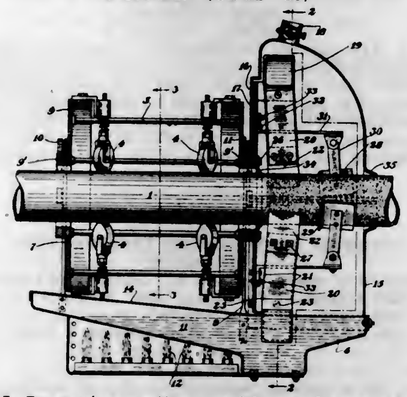
1. Process for the manufacture of ripened organic esters of cellulose, which comprises esterifying cellulose by means of an aliphatic acid anhydride in the presence of a catalyst and aliphatic acid diluent, adding water to the resulting mixture, and distilling so as simultaneously to remove part of the aliphatic acid and ripen the cellulose ester present.

2,044,777
PRESSURE CONTROL VALVE FOR FLUID OPERATED MECHANISM
Ralph Erling, Alexandria, Va.
Application March 17, 1934, Serial No. 716,145
15 Claims. (Cl. 60—52)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



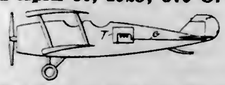
1. Fluid pressure mechanism, comprising a pair of cylinders, a piston in each cylinder actuatable by fluid pressure therein, a valve housing having a chamber in communication with each cylinder to receive fluid from the cylinder, there being a passage between said chambers, a valve to close said passage, loading means to hold said valve seated until the pressure in the chamber exceeds a predetermined magnitude and then permit unseating of the valve by such pressure, a second valve disposed to close a second passage between said chambers and to be held seated by the fluid pressure, a stem connected to said second valve and extending through the wall of the chamber and an element disposed to contact said stem and unseat the second valve substantially at the end of travel of the piston in one direction by relative movement of the valve and the element due to operation of the piston.

2,044,778
PIPE COATING MACHINE
Dorne N. Halstead, Brooklyn, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application April 21, 1934, Serial No. 721,687
6 Claims. (Cl. 91—30)



5. In a pipe coating machine, a frame rotatable on said pipe as an axis, angularly disposed rollers mounted on said frame to support said frame on said pipe and to advance it therealong upon rotation of the frame, a non-rotatable reservoir carried by said frame, and means on said frame for elevating the coating material from the reservoir to the pipe.

2,044,779
HIGH FREQUENCY COLLECTING AND RADIATING STRUCTURE
Malcolm P. Hanson, Bethesda, Md.
Application April 8, 1933, Serial No. 665,112
3 Claims. (Cl. 250—33)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



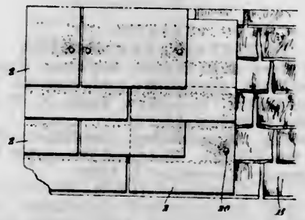
3. In combination, an aircraft consisting in part of metal, radio apparatus mounted within and insulated from said aircraft, an energy transfer coil operatively connected to said radio apparatus, a shield surrounding said radio apparatus, means connecting one end of said coil to said shield, means connecting the other end of said coil to a structural metallic member of said aircraft at a point displaced from the center thereof whereby a portion of the metallic parts of said aircraft may be utilized as a radiator or collector of electromagnetic energy of a frequency whose half-wave length corresponds approximately to the length of a selected dimension of said aircraft.

2,044,780
EXPLOSIVE CHARGE CONTAINER AND METHOD OF MAKING SAME
William B. Hardigg, Washington, D. C.
No Drawing. Application October 15, 1930, Serial No. 488,985
8 Claims. (Cl. 29—1.21)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

6. A high explosive shell having a body of circular cross-section, formed of metal having a

grain structure extending circumferentially and having less resistance to bursting longitudinally than to bursting circumferentially.

2,044,781
SHINGLE ROOF AND MATERIAL RELATING THERETO
Norman P. Harshberger, Scarsdale, N. Y., assignor to Bakelite Building Products Co., Inc., New York, N. Y., a corporation of Delaware
Application April 13, 1933, Serial No. 665,861
14 Claims. (Cl. 108—8)



1. As an article of manufacture, roofing comprising a fibrous base, a layer of porous mineral slag adhesively fixed to said base, and a layer of hydraulic cement covering said porous mineral and structurally bonded by the latter to said base.

2,044,782
ROOFING ELEMENT
Norman P. Harshberger, Scarsdale, N. Y., assignor to Bakelite Building Products Co. Inc., New York, N. Y., a corporation of Delaware
Application April 13, 1933, Serial No. 665,863
11 Claims. (Cl. 108—8)



11. Building material comprising a flexible water resistant layer, a surfacing of set coating material on the upper and lower sides of said layer, each of said surface coatings having the property of expansion upon wetting and the upper of said surface coatings which is to be exposed when the material is laid having a coefficient of expansion upon wetting greater than the lower layer.

2,044,783
SHINGLE
Norman P. Harshberger, Scarsdale, N. Y., assignor to Bakelite Building Products Co., Inc., New York, N. Y., a corporation of Delaware
Application December 21, 1931, Serial No. 582,377
13 Claims. (Cl. 108—8)



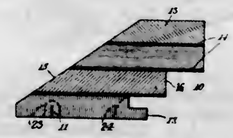
1. As a new article of manufacture, a shingle for exposure to the weather comprising a relatively thin paper membrane having a coating of of hydraulic cement thereon wholly enclosing the membrane at all the edges thereof.

2,044,784
ROOFING AND BUILDING MATERIAL AND CREATION OF EFFECT THEREON
Norman P. Harshberger, Scarsdale, N. Y., assignor to Bakelite Building Products Co., Inc., New York, N. Y., a corporation of Delaware
Original application April 11, 1930, Serial No. 443,603. Divided and this application April 13, 1933, Serial No. 665,862
16 Claims. (Cl. 154—2)



1. The method of producing building material comprising forming apertures in desired areas through a fibrous web, and filling said apertures from the side opposite the finished face of the web with a filler contrasting in appearance with said face and causing said filler to be interlocked with the fibres of said apertures.

2,044,785
STRIP OF ROOFING MATERIALS
Norman P. Harshberger, Scarsdale, N. Y., assignor to Bakelite Building Products Co. Inc., New York, N. Y., a corporation of Delaware
Application February 28, 1933, Serial No. 658,958
2 Claims. (Cl. 108—7)



1. In a flexible composition shingle, locking means and receiving means thereon having applied thereto a substantially localized coating comprising hydraulic cement, said coating serving to stiffen and reinforce the edges and surrounding regions of said locking means and receiving means and causing same to resist curling in assembly.

2,044,786
ART OF CURING BUILDING MATERIAL
Norman P. Harshberger, Scarsdale, N. Y., assignor to Bakelite Building Products Co. Inc., New York, N. Y., a corporation of Delaware
Application November 22, 1932, Serial No. 643,891
17 Claims. (Cl. 25—154)



1. The method of curing cement shingles comprising mixing with the cement before its application to the shingles an ingredient comprising an element of the group composed of synthetic resin, asphalt, wax and oil which will appear on the surface of the cement after its application to the shingles to form a separating layer, stacking the shingles before the cement has set, and effecting curing of the shingles while in stack formation.

2,044,787
BUILDING ELEMENT
Norman P. Harshberger, Scarsdale, and Sidney A. Ochs, New York, N. Y., assignors to Bakelite Building Products Co. Inc., New York, N. Y., a corporation of Delaware
Application June 12, 1933, Serial No. 675,455
19 Claims. (Cl. 108—7)



1. In a roofing surface, a plurality of spring type shingle elements comprising a flexible base and an outer layer of high compressive strength holding the spring shape laid in overlapping courses in assembly, said elements being sprung when mounted so as to transmit a spring pressure through said outer layer to their exposed weather edge to aid in sealing said edge from the weather.

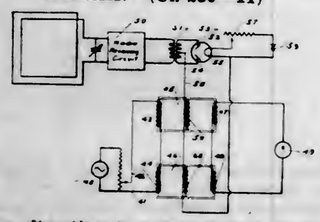
2,044,788
ROOFING MATERIAL AND THE LIKE
Norman P. Harshberger, Scarsdale, and Sidney A. Ochs, New York, N. Y., assignors to Bakelite Building Products Co. Inc., New York, N. Y., a corporation of Delaware
Application June 12, 1933, Serial No. 675,454
15 Claims. (Cl. 108—6)



1. Roll roofing material comprising a pliable base and a hardened cement coating, said base being bowed when unrolled and having the coating on the outer face of the bow, the base characterized by a tendency to assume a shape other than the bowed shape and the hardened cement coating retaining the base in the bowed shape.

4. A roll of roofing material comprising a core having a bowed transverse surface section and a wound web of flexible material having a hardened cementitious coating on said core.

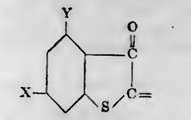
2,044,789
RADIO DIRECTION FINDING
Edward Joseph Hefele, Lindenhurst, N. Y., assignor to Airplane and Marine Direction Finder Co., Lindenhurst, N. Y., a corporation of Delaware
Application June 17, 1932, Serial No. 617,793
4 Claims. (Cl. 250—11)



1. In a directional system including a directional antenna, amplifier, and an indicator, the method of directional reception comprising receiving variable amounts of radiant energy in accordance with the position of the directional antenna with respect to the direction to the source of said radiant energy; impressing the received energy across the input of the amplifier; amplifying the impressed energy in accordance with a non-linear exponential law such that as the input energy impressed on the amplifier from the directional antenna varies in accordance with the direction of reception of the signal, the output of said amplifier will form a figure 8 which is substantially flattened as compared to the normal circle figure 8; and impressing said variable output signals from said amplifier directly on the indicator whereby the indicator response is more pronounced for predetermined changes in the input at the null of the figure 8 than in the case of a circular figure 8.

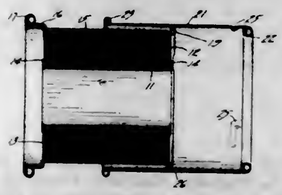
2,044,790
DYESTUFF PREPARATION
Richard Herz and Walter Brunner, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application November 30, 1931, Serial No. 578,201. Renewed December 10, 1934. In Germany December 2, 1930
4 Claims. (Cl. 8—6)

1. As new compositions of matter, dyestuff preparations comprising the stable reduction product of a thioindigoide dyestuff which contains in its molecule at least once the atomic grouping:



wherein X represents halogen and Y stands for alkyl, and such a salt of a dispersing agent as is insoluble or difficultly soluble in water, but which is capable of being converted into a water-soluble form when steamed in the presence of alkali under the conditions under which printing processes are carried out.

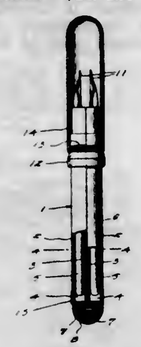
2,044,791
SPOOL AND PROTECTOR THEREFOR
Edmund Hoffman, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application August 22, 1931, Serial No. 558,746
4 Claims. (Cl. 206—52)



1. A spool and protector assembly, comprising a spool having fixed heads one of which is provided with an exterior hand grip the other having a curled peripheral edge flattened at spaced intervals into projecting locking lugs, and a protecting shell adapted to enclose said spool and having inclined ridges formed in its wall adjacent one end and adapted to engage said locking lugs when said spool is inserted within said shell whereby partial rotation between spool and shell engages and disengages said lugs and ridges and locks and unlocks said spool in its protected position.

CARNEGIE LIBRARY OF ATLANTA

2,044,792
FOUNTAIN PEN
Joseph L. Hoyle, Hartford, Conn.
Application May 31, 1934, Serial No. 728,445
1 Claim. (Cl. 120—42)



A fountain pen, comprising a pair of elongated receptacles each of semi-cylindrical cross section, said receptacles being normally disposed with their flat faces together to form a complete cylindrical body, the receptacles at one end of the body being closed, a pin member connecting the opposed faces of the receptacles at the closed ends thereof, a pen carrying plug body removably disposed in the other end of each receptacle, the pens of said plug bodies being normally disposed in back to back relation, screw threads extending circumferentially of each receptacle adjacent each end, the threads of the two receptacles being normally matched to extend entirely around the body, an interiorly threaded annulus adapted to encircle the body at the ends adjacent the pens, and an interiorly threaded cap designed to receive either end of the body and to be connected therewith through engagement with the threads thereon said annulus forming a stop for the cap when the latter is in position to cover the pens.

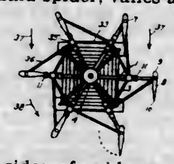
2,044,793
PROCESS FOR CRYSTALLIZING CALCIUM SALTS OF ALDONIC ACIDS AND RESULTING PRODUCTS
Horace S. Isbell, Washington, D. C., assignor to the Government of the United States, represented by the Secretary of Commerce
No Drawing. Application February 23, 1935, Serial No. 7,881
8 Claims. (Cl. 260—112)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. The process for the purification of a calcium aldonate from the group consisting of calcium xylonate, calcium α-glucoheptonate and anhydrous calcium gulonate, which consists in the crystallization of said substance from an aqueous solution at a temperature above 30° C., followed by separation of the crystals from the mother liquor.

6. Crystalline calcium xylonate corresponding to the formula, $Ca(C_5H_9O_6)_2.2H_2O$.

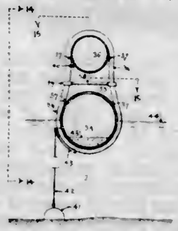
2,044,794
WIND MOTOR
George G. Kisevalter, New York, N. Y.
Application August 3, 1934, Serial No. 738,281
3 Claims. (Cl. 170—26)

1. In a device of the class described, the combination of a spider rotatively mounted on a shaft, rods journaled by their middle points on the ends of the arms of said spider, vanes attached to said



rods on either sides of said arms, and movable blocks on said arms adapted to prevent the rotation of said vanes over said arms.

2,044,795
HARBOR
Herbert M. Knight, Upper Montclair, N. J.
Application February 12, 1934, Serial No. 710,828
28 Claims. (Cl. 61—5)



1. In a harbor, a barrier unit, said unit having an upper float, a lower float and a comb enclosing said floats.

2,044,796
STABLE REDUCTION COMPOUNDS OF THE THIOINDIGOIDE SERIES AND PROCESS OF PREPARING THEM
Karl Krauss, Frankfort-on-the-Main-Fechenheim, and Alfred Hagenböcker, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application April 4, 1930, Serial No. 441,720. In Germany April 15, 1929
11 Claims. (Cl. 260—53)

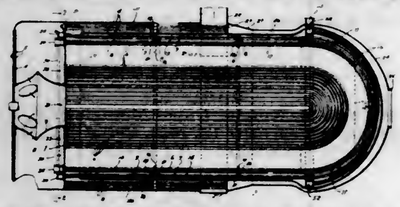
6. The stable reduction products of thioindigoide dyestuffs which contain in their aromatic radicals at least one substituent of the group consisting of halogen and methyl, said products being stable to air or oxygen, being difficultly soluble in alkali and yielding prints in the usual way but also with considerably smaller quantities of the reducing agent than are required in the case of the dyestuff proper.

7. The process which comprises treating a thioindigoide dyestuff which contains in its aromatic radicals at least one substituent of the group consisting of halogen and methyl with a reducing agent in the presence of an alkali and then treating the reaction mixture with an acid until the alkaline reaction against phenolphthaleine paper has disappeared.

2,044,797
STEAM GENERATING PLANT
Walter Douglas La Mont, North Colebrook, Conn., assignor to La Mont Corporation, New York, N. Y., a corporation of New York
Application September 3, 1932, Serial No. 631,703
40 Claims. (Cl. 122—276)

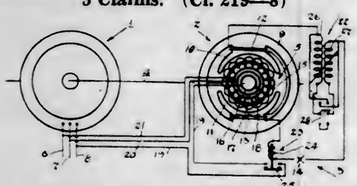
1. In a heat exchanger, a furnace chamber having an enclosing wall of a form containing

line elements extending along the wall in one general direction, a casing surrounding said furnace exteriorly of said wall and spaced therefrom to provide an annular space having its length extending in the same general direction as the elements of said wall, said annular space being connected to the furnace for passage of the combustion gases from the furnace through said space in a direction generally that of the elements of said wall, and tubes for absorption of the heat generated in the furnace having the parts of their length proceeding from each end of each tube



extending in the same general direction as the elements of said wall and having the part of their length between said end parts extending transversely to the length of said elements and across the end of the furnace, at least some of said tubes having their end parts positioned in said annular space, said casing and said wall being so formed and so positioned in relation to each other and to said tubes as closely to confine to said tubes the gases passing through said annular space.

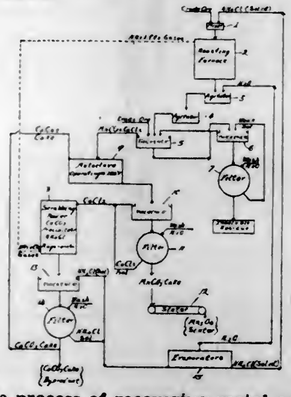
2,044,798
ALTERNATING CURRENT ARC WELDING
George G. Landis, University Heights, Ohio, assignor to The Lincoln Electric Company, Cleveland, Ohio, a corporation of Ohio
Application January 28, 1935, Serial No. 3,823
5 Claims. (Cl. 219—8)



4. In an electric arc welding apparatus, the combination of means for converting alternating current of particular characteristics to alternating welding current having different characteristics, said last-named means including relatively rotatable rotor and stator windings, one of said windings being connected in series with the arc and the other winding being connected across a polyphase alternating current supply line, and a relay functionally responsive to variations in the voltage and current characteristics of the welding circuit for varying the phase energization of said last-named winding.

2,044,799
PROCESS FOR EXTRACTING VALUES FROM MANGANESE CARBONATE ORES
John D. McCarthy, Detroit, Mich., assignor to General Manganese Corporation, Detroit, Mich., a corporation of Delaware
Application January 26, 1931, Serial No. 511,377
Renewed June 26, 1935
13 Claims. (Cl. 23—145)

1. In the process of extracting metal compounds from ores containing manganese compounds, the steps of treating a solution comprising manganese chloride in a closed container together with a proportionate quantity of precipitated calcium carbonate and raising the temperature to substantially above 212° F. with a corresponding increase in pressure to precipitate and recover the manganese as the insoluble manganese carbonate and to form soluble calcium chloride.



3. The process of recovering metal compounds from ores containing manganese and calcium carbonates which comprises roasting the ore with ammonium chloride to form the soluble chlorides of manganese and calcium, resulting in the evolution of ammonia and carbon dioxide gases, separating the soluble chlorides of manganese and calcium from the insoluble residue by leaching, placing the solution together with a proportionate quantity of precipitated calcium carbonate in a closed container and heating the same to substantially above 212° F. with a corresponding increase in pressure to precipitate insoluble manganese carbonate and form additional soluble calcium chloride, separating and treating the calcium chloride with the said ammonia and carbon dioxide gases in order to reform the calcium carbonate consumed in the process, to reform the calcium carbonate from the ore and to reform the reagent ammonium chloride and separating and evaporating the same to the original state in order to repeat the cycle.

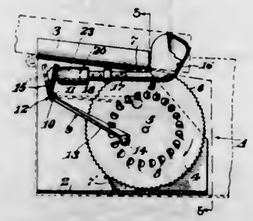
2,044,800
MEANS AND COMPOSITION FOR THE STABILIZATION OF DIVINYL ETHER
Randolph T. Major, Mountainside, and William L. Ruigh, Metuchen, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Application June 21, 1933, Serial No. 676,926
9 Claims. (Cl. 23—250)

1. Divinyl ether stabilized with an aromatic amine.

2,044,801
PRODUCTION OF STABILIZED DIVINYL ETHER SUITABLE FOR GENERAL ANESTHESIA
Randolph T. Major, Plainfield, and William L. Ruigh, Princeton, N. J., assignors to Merck & Co., Inc., Rahway, N. J., a corporation of New Jersey
No Drawing. Original application June 21, 1933, Serial No. 676,926. Divided and this application September 7, 1933, Serial No. 688,462
10 Claims. (Cl. 23—250)

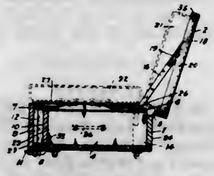
1. An inhalation anesthetic, comprising divinyl ether, a stabilizing agent consisting of a relatively non-toxic aryl amine, and an alcoholic anti-freeze ingredient.

2,044,802
ASHTRAY
Leo A. Marihart, San Francisco, Calif.
Application July 28, 1933, Serial No. 682,696
14 Claims. (Cl. 131—51)



1. A device of the class described comprising a tray, a cigarette, cigar and other smoking article supporting means, and automatic cigarette, cigar and other smoking article feeding means for moving a cigarette, cigar and other smoking article through said supporting means.

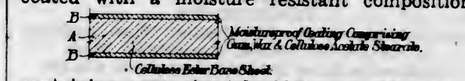
2,044,803
STUDIO LOUNGE
Ulysses Bruce McMurtry, Toronto, Ontario, Canada
Application December 15, 1933, Serial No. 702,641
3 Claims. (Cl. 5—44)



1. In a box-type studio lounge, a lower bed comprising a box-like structure, an upper bed adapted to slidably engage over a portion of the lower bed and locking means for holding the two beds in closed position, comprising a hinge mounted on the bottom of the upper bed, a bent plate rigidly mounted on said hinge, a downwardly projecting plate mounted on the front of the lower bed, an upstanding prong on the end of the bent plate, an offset plate on the hinge providing a stop therefor and resilient means mounted on the upper bed and connected with said hinge for the purpose of normally holding said prong in engagement with the said downwardly-projecting plate.

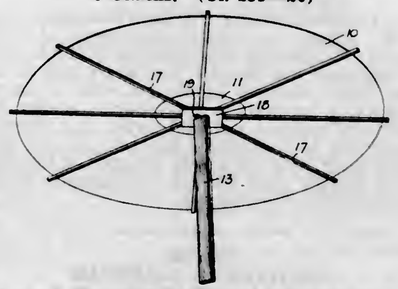
2,044,804
WRAPPING MATERIAL
James G. McNally and Norman F. Beach, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application June 17, 1932, Serial No. 617,808
8 Claims. (Cl. 91—68)

1. An article of manufacture comprising a thin, flexible, transparent sheet of cellulose acetate coated with a moisture resistant composition



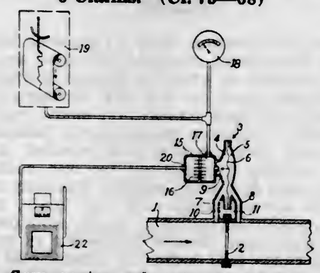
containing approximately 33% gum, 33% wax, and 34% cellulose acetate stearate.

2,044,805
UMBRELLA
Richard W. Meyerkort, Carmel, Calif.
Application January 16, 1935, Serial No. 2,123
9 Claims. (Cl. 135—20)



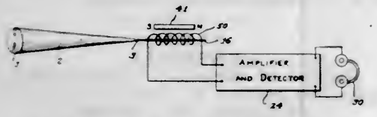
1. In an umbrella having a cover, a stick to one end of which the central portion of the cover is secured, means slidable on the stick to engage and raise the cover to open same, means for preventing movement of the cover beyond a position of open adjustment, and means on the stick co-operable with said slidable means to rotatably support and correlate same with said preventing means to maintain the cover in a position of open adjustment.

2,044,806
FLUID FLOW MEASURING MEANS
Julius M. Naiman, Chicago, Ill.
Application December 24, 1934, Serial No. 759,029
6 Claims. (Cl. 73—68)



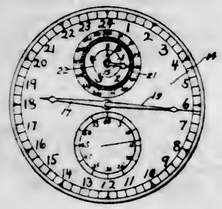
1. A flow meter wherein there is provided means for creating a pressure differential which varies as a function of the velocity of flow of fluid to be measured, and wherein there is provided an auxiliary fluid passageway having an orifice member therein, and means for permitting a flow through the orifice member of a relatively small portion of the total flow and regulating that flow to maintain the pressure differential on the two sides of the orifice member a predetermined function of the first mentioned pressure differential, characterized by the fact that the orifice converges from a maximum opening on the upstream side thereof to a minimum opening on the downstream side thereof, the angle between the downstream side of the orifice member and the center line of the fluid stream being substantially 90°.

2,044,807
TRANSDUCER
Atherton Noyes, Jr., Winchester, Mass., assignor to George W. Pierce, Cambridge, Mass.
Application June 30, 1933, Serial No. 678,481
7 Claims. (Cl. 177—386)



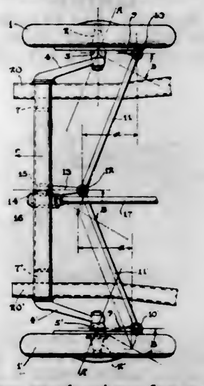
3. Apparatus of the character described comprising a body the cross-sectional area of which tapers progressively from one end of the body to the opposite end thereof, the larger end of the body being disposed in contact with a sound-conducting medium to interchange energy between the medium and said larger end, whereby energy will be transferred between the said ends of the body, and the length of taper of the body being greater than the half-wavelength of the sound energy interchanged.

2,044,808
MECHANICAL CALENDAR
Ingild Povelsen, Washington, D. C.
Application March 8, 1934, Serial No. 714,653
8 Claims. (Cl. 58—5)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



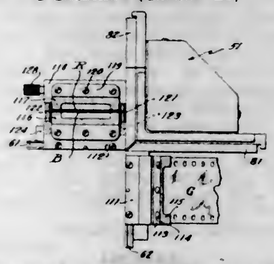
6. The combination with a timepiece having a dial, an hour-hand movable thereover and a rotatable element to which said hand is fixed; of a first circular scale on said dial representing 365 days whereon each calibration space represents a plurality of days, a second scale calibrated in single days whereof the total number is equal to the number represented by one calibration space on said first scale, a hand rotatably mounted to be movable over said first scale, another hand rotatably mounted to be movable over said second scale, and means connected to said element to cause said hands to rotate, said means including gears respectively connected with said first-mentioned hand and with said other hand, and a gear element normally maintaining said rotatable element free from connection with the gear connected with said other hand but adapted to engage the latter at the same predetermined time each day to move said other hand from one calibration to another, said gears and gear element having such ratios that said first-mentioned hand is caused to make a complete revolution in 365 days and to move over one calibration space each time said other hand makes a complete revolution and to cause said other hand to move from one calibration to another at the same predetermined time each day and to make a complete revolution in the number of days represented by one calibration space on said first scale.

2,044,809
STEERING ARRANGEMENT FOR POWER-DRIVEN VEHICLES
Karl Rabe, Stuttgart, Germany
Application January 18, 1934, Serial No. 707,094
In Germany January 18, 1933
6 Claims. (Cl. 280—96)



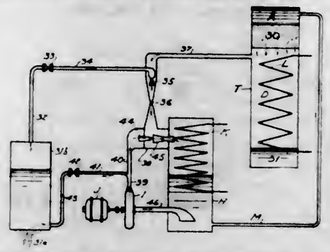
1. In steering mechanism for power driven vehicles with independently sprung steering wheels, an articulated quadrilateral link system mounted in the vehicle to swing in a plane parallel to the longitudinal axis of the vehicle and including a link supporting the wheel and capable of steering movements and a pair of carrying links jointed to the ends of said steering links, a steering lever, and gauge rods respectively jointedly connecting the steering links of a pair of wheels to the steering lever, the projection of the length of each gauge rod between its joints on the plane of swinging of the link system being substantially equal to the projection of the length of the carrying links on the same plane.

2,044,810
FILM LUBRICATING DEVICE
Gerald F. Rackett, Los Angeles, Calif., assignor to Technicolor Motion Picture Corporation, Boston, Mass., a corporation of Maine
Original application August 20, 1931, Serial No. 558,193. Divided and this application April 21, 1933, Serial No. 667,233
3 Claims. (Cl. 88—17)



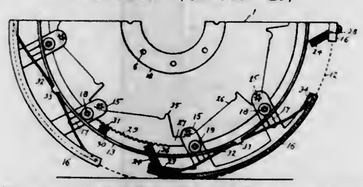
2. Motion picture apparatus comprising a film gate with film confining means and a support fixed to said film gate independently of said confining means, a lubricating pad mounted on said support, a second support swingingly associated with said gate, a lubricating pad mounted on said second support, means for distancing the two pads, and means for pressing the supports toward a film progressing intermediate thereof.

2,044,811
MEANS AND METHOD OF REFRIGERATION
Bo Folke Randel, San Diego, Calif.
Application November 14, 1932, Serial No. 642,531
6 Claims. (Cl. 62—115)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. A method of refrigeration comprising, imparting motion to a portion of liquid refrigerant, utilizing the energy in this liquid in motion to compress vaporized refrigerant, condensing said vapor, passing a portion of liquid refrigerant through a pressure resisting element to an evaporating space and another portion to a generating space, generating refrigerant vapor in said generating space by the application of heat and utilizing said vapor in an ejector to lower the pressure in said evaporating space causing liquid refrigerant in said space to vaporize, passing the combined vapors from said ejector to point of compression.

2,044,812
ANTISKIDDING DEVICE FOR AUTOMOBILES
Louis Otto E. Roessel, Chappaqua, N. Y.
Application June 8, 1935, Serial No. 25,598
9 Claims. (Cl. 301—47)

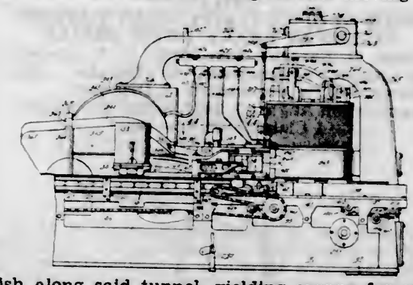


1. In an antiskidding device for an automobile, the combination of a disc attached to the wheel of an automobile, a plurality of antiskidding shoes of an arcuate shape and concentric with said disc, lugs near the end of each shoe slidably supported on said disc, springs adapted to press said shoes outwardly through said lugs, means to limit the outward movement of said shoes, said shoes being adapted to touch the ground when said wheel is rolling on the ground, and a rubber plug adjustably fitted in the oncoming end of each shoe, the outer end of said plug being adapted to touch the ground ahead of the other parts of said shoe.

2,044,813
FISH CANNING MACHINE
Walter E. Rooney, Bellingham, Wash., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application April 13, 1933, Serial No. 665,950
29 Claims. (Cl. 226—101)

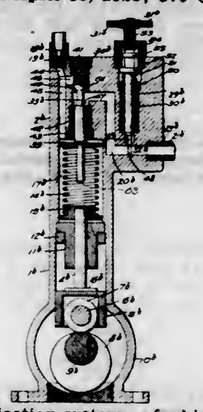
1. In a fish canning machine, the combination of a feeding tunnel, an intermittently movable carrier for advancing fish into the entrance end of said tunnel, a cutter adapted for operation transversely of the line of travel of said carrier during its rest period to cut the fish into can lengths, and a presser device for holding said fish in said tunnel entrance during said cutting.

8. In a fish canning machine, the combination of a feeding tunnel, a feeding fork for moving cut



fish along said tunnel, yielding means for preventing fish feeding by said fork operable by an abnormal resistance of said fish opposing the feeding operations, and means for positively moving said fork on a feeding stroke following one cycle of inactivity regardless of the fish resistance in said tunnel.

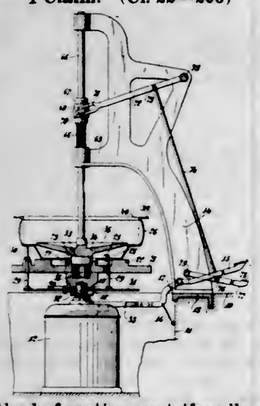
2,044,814
FUEL INJECTION SYSTEM
Addison M. Rothrock, Langley Field, Va.
Application March 29, 1934, Serial No. 718,000
2 Claims. (Cl. 103—227)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In an injection system, a fuel injection pump having a high pressure reservoir provided with a fuel inlet port and a fuel outlet passage, a plunger movable into said reservoir for compressing the fuel therein, a pressure-release valve normally closing the fuel outlet passage of the reservoir and adapted to be forced against its seat by the hydraulic pressure of the compressed fuel in said reservoir, said valve having a depending portion extending into the pressure reservoir and adapted to be engaged by the plunger before the latter reaches the end of the compression stroke and thereby lifted to slightly unseat the valve for equalizing the hydraulic pressure on the valve, and a valve-lifting spring confined between the said plunger and the depending portion of the said valve to be compressed by the compression movement of the plunger and acting upon the equalization of the hydraulic pressure on the

valve by the initial opening of the same, to lift the said valve rapidly to permit the compressed fuel of the reservoir to expand suddenly into the fuel outlet passage.

2,044,815
METHOD OF CENTRIFUGALLY CASTING LINERS IN BRAKE DRUM SHELLS
William D. Sargent, New York, N. Y., assignor, by mesne assignments, to Durafer (Inc.), Dover, Del., a corporation of Delaware
Application August 7, 1931, Serial No. 555,792
1 Claim. (Cl. 22—206)



The method of casting centrifugally comprising preheating a comparatively thin shell to a temperature between 500 and 1200 degrees Fahrenheit, rotating the shell upon a vertical axis, and pouring metal thereinto.

2,044,816
FLOAT VALVE
Victor E. Schmiedeknecht, Louisville, Ky.
Application October 25, 1933, Serial No. 695,182
4 Claims. (Cl. 137—104)

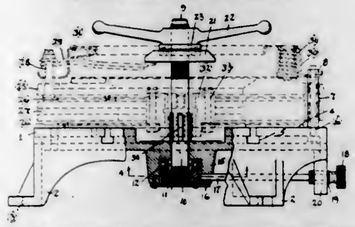


1. In a supply means for flushing tanks, a tank supply pipe having a float controlled valve intermediate its ends, said pipe having an upflow leg and a downflow leg, a pipe coil in said downflow leg, and a downwardly opening hood surrounding the coil into the upper part of which said pipe coil opens, the lower end of the pipe coil receiving water from the downflow leg.

2,044,817
REFRACTORY
Frederic William Schroeder, Mexico, Mo., assignor to Corhart Refractories Company, Louisville, Ky., a corporation of Delaware
No Drawing. Application July 31, 1934, Serial No. 737,830
1 Claim. (Cl. 13—36)

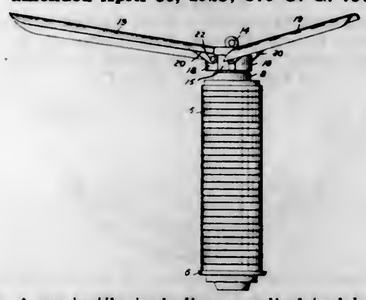
An aluminous fused and cast refractory having an ultimate analysis of 68 to 75% alumina, 19 to 22% silica and 0.85 to 1.42% alkali.

2,044,818
CLUTCH TESTING AND REBUILDING DEVICE
Charles B. Spase, Syracuse, N. Y., assignor to Ira Saks
Application January 22, 1934, Serial No. 707,671
In Canada March 31, 1934
13 Claims. (Cl. 29—89)



1. In a device for testing and rebuilding clutches composed of driving members, driven members, and actuating levers for engaging and disengaging said members, the combination of means for securing the clutch to said device as in operative assembly, means for operating said levers, and means for measuring the operating pressure applied to said levers.

2,044,819
PROJECTILE
James G. Taylor, Dayton, Ohio
Application October 27, 1933, Serial No. 695,495
3 Claims. (Cl. 102—2)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

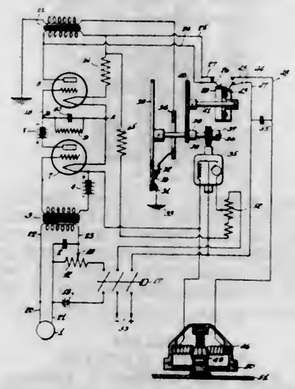


1. A projectile including a cylindrical body, a spindle in one end of the body, an anti-friction bearing unit on the spindle, a hub carried by said unit, radially projecting ears on the hub, a plurality of blades each having a curvature in cross-section conforming to the curvature of the cylindrical body, a pair of spaced ears at one end of each blade, the medial plane between the ears being offset relative to the plane passing through the axis of the bomb and the longitudinal axis of the blade, and a pivot pin passing through the ears of the blade and hub.

2,044,820
APPARATUS FOR MEASURING DEPTHS
Edwin E. Turner, Jr., West Roxbury, Mass., assignor to Submarine Signal Company, Boston, Mass., a corporation of Maine
Original application April 17, 1928, Serial No. 270,660. Divided and this application February 25, 1930, Serial No. 431,304. In Denmark July 16, 1928
6 Claims. (Cl. 177—386)

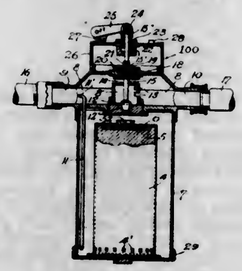
1. In a system for measuring depths, a sound producing mechanism disposed to impart a sound

wave to a ship's skin comprising a striking body, means for operating said striker, a diaphragm having a central boss upon which the striker



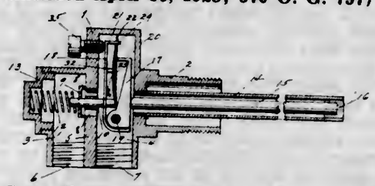
strikes, an extension of said boss on the other side of said diaphragm and non-yielding metallic means disposed between and loosely contacting with said second boss and said ship's skin.

2,044,821
FERTILIZER IMPLEMENT
Alfred E. Urban, St. Charles, Ill., assignor to American Hydrolizer Company, Elmhurst, Ill., a corporation of Illinois
Application July 21, 1932, Serial No. 623,796
Renewed May 11, 1936
3 Claims. (Cl. 299—84)



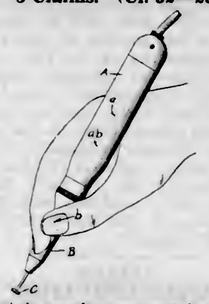
3. A fertilizer implement, of the character described, having a casing for receiving a chemical cartridge, and having a screw cap for supporting said cartridge, a cartridge containing a supply of dry fertilizer chemical and soluble coloring matter disposed in the upper part of said cartridge and above the chemical, means through the lower end of the side wall of said cartridge through which water may flow and gradually dissolve said chemical and form a liquid fertilizer, means to dispense said liquid fertilizer in various proportions into the watering medium during watering and fertilizing operations, said coloring matter being adapted to color the main water supply after the said chemical has become exhausted, said cap being adapted to be removed whereby to remove said cartridge without having to disconnect the implement from its place of installation or remove any hose connections secured thereto.

2,044,822
THERMOSTATIC SNAP ACTION VALVE
Sidney P. Vaughn, United States Navy, Ackerman, Miss.
Application April 14, 1932, Serial No. 605,262
17 Claims. (Cl. 236—48)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



5. In a thermostatic device of the character described, the combination of a casing, a thermostat comprising a tube rigid with the casing and a rod therein projecting into the casing and movable according to temperature change, a valve in said casing in substantially concentric relation to the thermostat, and means in said casing between the rod and valve dependent for operation upon the movement of said rod to give amplified abrupt movement to the valve, said means comprising an elongated buckled snap action element normally buckled in one direction but arranged when forced past dead center to buckle in the reverse direction, said element being disposed with the working end between the thermostatic rod and valve and engaging the latter to move the same, means providing a fulcrum in said casing for the other end of said element, means providing an abutment for said element in said casing in longitudinally spaced relation to the fulcrum, and a movement amplifying lever pivotally mounted at one end in said casing and extending past the inner end of said thermostatic rod and having the remote end engaging said element between the fulcrum and abutment, whereby in a given movement of the thermostatic rod said lever communicates amplified movement to said element sufficient to force the same past dead center for snap action thereof.

2,044,823
MOTORIZED HANDPIECE
Howard A. Whiteside, New York, N. Y.
Application April 16, 1934, Serial No. 720,839
3 Claims. (Cl. 32—23)



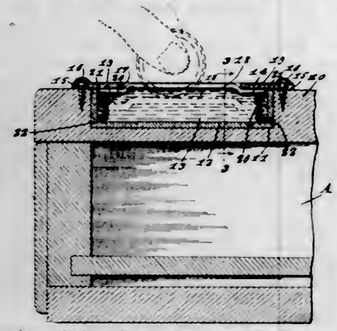
1. An electric engine comprising a direct connected electric motor and hand piece in axial alignment, the front end of the engine being adapted to be gripped between the thumb and first and second fingers of the hand with the hand piece extending forwardly of the tip of the thumb and fingers and the motor extending rearwardly over the thumb-index finger interdigital

space and a short distance beyond the knuckle of the index finger, whereby the engine may be held in the hand after the fashion of a pencil, the hand piece being short and compact so that its rear end is adjacent the gripping point and having a stationary sheath, a rotatable shaft and a releasable clutch to secure a tool to the shaft, the electric motor having a small diameter cylindrical casing rigidly secured to the hand piece sheath and an armature shaft drivingly connected with the hand piece shaft, the mass of the motor being distributed throughout the length of the same, the diameter of the casing being such that the casing substantially fills the space between the index finger knuckle joint and the thumb knuckle joint so as to reduce its range of movement when the tool is applied to the work, the center of gravity of the combined motor and hand piece being in the forward end of the motor so as to fall in front of the first index finger knuckle joint, whereby the engine rests against the thumb-index finger interdigital space without tendency to overturn.

2,044,824
COIN DETECTOR

John J. Willis, Comstock, N. Y., assignor of one-fifth to Mary Willis, Comstock, N. Y.

Application October 1, 1935, Serial No. 43,102
1 Claim. (Cl. 73—51)



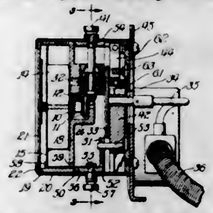
A device of the character described comprising an elongated body open at its top and adapted for fitting within a support to have its open top flush with an exposed surface of said support, a cover overlying the open top of said body and having a slot for accommodating coins, a testing solution within the body and accessible through the open slot, a bar having an upstruck portion of a size corresponding to the slot for reception therein, cross pieces at opposite ends of the bar and of a length substantially equal to the interior width of said body, rest bars parallel with said cross pieces spaced beneath the same and of a length equal thereto, expansible springs fitted with the cross pieces and said rest bars for urging the first-mentioned bar to have the upstruck portion seated within said slot, and fastener ears at opposite ends of the cover and detachably secured with the support.

2,044,825
SPEED INDICATOR

Raymond M. Woytych, Fond du Lac, Wis.

Application April 22, 1932, Serial No. 606,791
9 Claims. (Cl. 235—103.5)

1. A speed indicator for a movable vehicle comprising, in combination, a standard element rotatable in one direction at a constant predetermined speed and having a side face, a second element having a side face in opposed relation to said first mentioned face and being rotatable in the opposite direction, means including a flexible inlet shaft and a speed-change device for driving

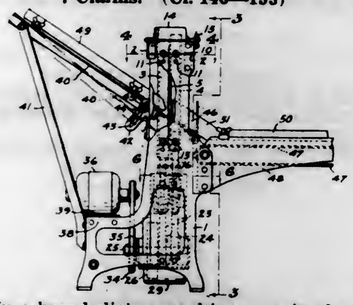


said second element in timed relation to the motion of the vehicle, means for indicating the adjustment of said device, a movable support, a member rotatable on said support and peripherally in driven engagement with said faces, and means for indicating the position of said support.

2,044,826
SLICING MACHINE

Henry H. Yerk and William C. Palmer, Davenport, Iowa, assignors, by mesne assignments, to The Micro Corporation, Bettendorf, Iowa, a corporation of Delaware

Application May 12, 1932, Serial No. 610,884
7 Claims. (Cl. 146—153)



1. In a bread slicing machine, a pair of spaced side frames, a pair of oppositely reciprocable blade frames mounted between said side frames and each carrying a plurality of spaced cutters, each of said blade frames having side pieces provided with longitudinally extending V-shaped grooves therein, guides on said side frames of V-shape in cross-section and fitting within said grooves, pins rigidly secured to said guides and being slidably supported in said side frames for supporting said guides, means for feeding lubricant through said pins to said guides and means for moving said guides relative to said grooves of said side frames.

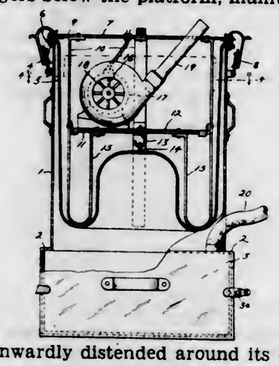
2,044,827
VACUUM CLEANING APPARATUS

Joseph H. Adams, Detroit, Mich.

Application March 13, 1935, Serial No. 10,783
2 Claims. (Cl. 183—37)

2. A vacuum cleaning apparatus comprising an open topped casing, a cover engageable with the open top of the casing, a plurality of hangers secured to the cover and adapted to extend downwardly within the casing, a platform jointly carried by said hangers, a motor fan unit mounted on the platform, an air filter bag having air sealing engagement at its mouth with the top portion of the casing wall and depending within the casing in surrounding relation to the hangers and having its bottom upwardly domed, means attaching the domed portion of the bag to the

platform, and downward extensions formed by the hangers below the platform, maintaining the



bag downwardly distended around its dome portion.

2,044,828
METHOD FOR CLEANING ARTICLES OF CLOTHING AND THE LIKE

Louis Angelus, New York, and Daniel Lawrence Baylis, Long Island, N. Y.; said Baylis assignor to said Angelus

Application October 16, 1933, Serial No. 693,758
1 Claim. (Cl. 68—38)

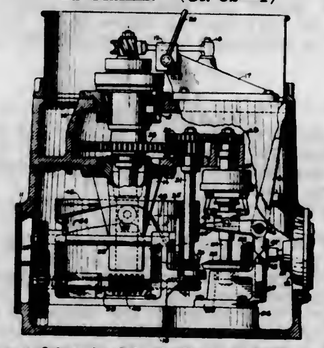


In a dry cleaning process, the steps of submerging the articles to be cleaned in a bath of dry cleaning solvent, spraying clean solvent continuously on the surface of the bath, agitating the articles in the bath, and lifting the articles out of the bath into the spray while the surface of the bath is being sprayed.

2,044,829
APPARATUS FOR STATIONARY WORK TURNING

Edward P. Bullard, Bridgeport, and Harold C. Anderson, Fairfield, Conn., assignors to The Bullard Company, a corporation of Connecticut

Application March 25, 1933, Serial No. 662,748
11 Claims. (Cl. 82—1)

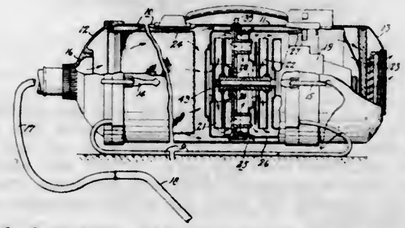


1. A machine tool including a stationary work holder, a tool holder, means for moving said tool holder in an orbital path at cutting speeds and means to move the tool holder on its own axis at feeding speed, one of said means including a reciprocating arm.

2,044,830
VACUUM CLEANER

Fredrik Carlstedt, Stockholm, Sweden, assignor to Electrolux Corporation, Dover, Del., a corporation of Delaware

Application February 9, 1934, Serial No. 710,421
In Germany July 8, 1933
10 Claims. (Cl. 15—16)

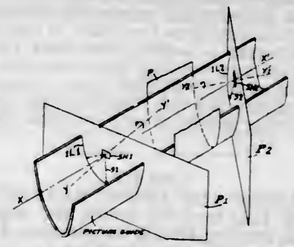


1. A vacuum cleaner comprising a casing, a motor in said casing, a plurality of fan impellers mounted to be driven by said motor, a partition between said impellers having a passage therethrough connecting the outlet of one fan impeller with the inlet of another fan impeller, a passage therethrough establishing communication between the outlets of the impellers and a passage therethrough establishing communication between the inlets of said impellers, and a valve disc for closing the first mentioned passage and opening the second and third mentioned passages and alternatively for opening the first mentioned passage and closing the second and third mentioned passages.

2,044,831
FACSIMILE SYSTEM

Louis N. Chereau, Edmond M. Deloraine, Lucien R. Guilbaud, Florent E. A. Smets, and Stanislas Van Mierlo, Paris, France, assignors to International Standard Electric Corporation, New York, N. Y., a corporation of Delaware

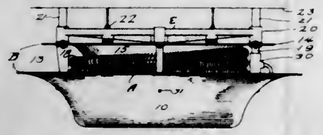
Application August 5, 1932, Serial No. 627,594
In France September 8, 1931
16 Claims. (Cl. 178—13)



1. In a picture or facsimile transmission system, the provision, at the sending and/or receiving end, of a stationary cylindrical picture guide whose basis, perpendicular to the axis of said cylindrical guide, is a non-circular second degree curve, means for sliding a picture over said guide, scanning means comprising light beams movable in a plane placed at an angle different from 90° with regard to said cylinder axis but said angle being so chosen, with regard to the

shape of said cylindrical curve, that the intersection line between said cylinder and said plane substantially approximates a portion of a circle.

2,044,832
AIR CONDITIONER
Lachlan W. Child, Toledo, Ohio, assignor, by mesne assignments, to Aeriet Air Conditioner Company, a corporation of Illinois
Application June 26, 1934, Serial No. 732,411
13 Claims. (Cl. 257—244)



1. In a combined air cooling and air heating air conditioner, an annular heat transfer coil, an annular trough suspended below said coil and a fan positioned coaxially on a vertical axis above the space to be conditioned, said fan being selectively operable to move air either upwardly or downwardly.

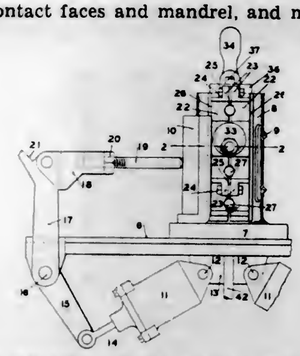
2,044,833
FORM RETAINING MEANS
Samuel S. Colt, Orange, N. J.
Application August 16, 1935, Serial No. 36,552
4 Claims. (Cl. 25—131)



1. In concrete form retaining means, a stationary abutment plate having an outwardly open substantially semi-spherical socket and an opening extending therefrom through said plate, a rotatable means having a shouldered substantially semi-spherical head rotatably seated in said socket, said rotatable means having a bore aligned with the opening of said plate through which tying means may extend, retaining lugs circumferentially spaced around said plate socket and inwardly bent over the shouldered head of said rotatable means, said rotatable means having at least one external transverse seating groove aligned substantially in the plane of said retaining lugs whereby a locking piece may be passed therethrough and between said rotatable means and certain of said retaining lugs to thereby secure the former against rotation, and means to affix said tying means to said rotatable means.

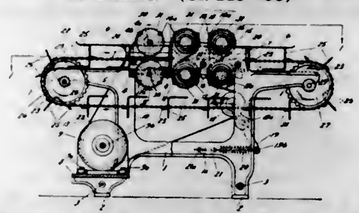
2,044,834
MACHINE FOR LINING BEARINGS
Samuel W. Crawford, St. Louis, Mo., assignor to National Bearing Metals Corporation, St. Louis, Mo., a corporation of New York
Application October 3, 1935, Serial No. 43,461
2 Claims. (Cl. 22—123)

1. In a machine for lining bearings, the combination with a mandrel having on opposite faces thereof projections to form channels in bearing linings, a pair of cheek pieces secured to said mandrel and provided with contact faces for bearing shells, means for varying the width of said cheek pieces to alter the relation between said contact faces and mandrel, and means for



securing bearing shells against said contact faces.

2,044,835
BREAD SLICING MACHINE
Harry J. Criner, Davenport, Iowa, assignor, by mesne assignments, to The Micro Corporation, Bettendorf, Iowa, a corporation of Delaware
Application February 16, 1931, Serial No. 516,065
20 Claims. (Cl. 146—98)

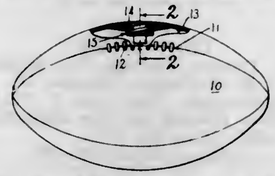


1. A bread slicing machine comprising a frame, a plurality of parallel spaced pairs of shafts mounted in the frame, a series of thin, circular cutters mounted upon each cutter shaft and spaced apart thereon, the corresponding cutters upon each shaft of each pair of shafts being coplanar and spaced apart, and the cutters of each succeeding series being offset with relation to each preceding series, a lower table mounted upon the frame above the lower cutter shafts, an upper table mounted upon the frame below the upper cutter shafts, narrow slots formed in the tables through which the cutters of the adjacent shafts project, the side of the slots acting as guides to prevent bending or distortion of the cutters, means for rotating the cutters, and means for carrying the loaves to be sliced between the tables and to and through the cutters.

2,044,836
INFLATABLE BALL
Cornelius J. Crowley, New Haven, and Paul S. Madsen, Bethany, Conn., assignors to The Seamless Rubber Company, Incorporated, New Haven, Conn.
Application December 23, 1932, Serial No. 648,640
6 Claims. (Cl. 273—65)

1. In an inflatable ball, a cover having an inflating perforation, a bladder, an elastic tubular member attached to the bladder and presenting an elongated longitudinal passageway from the exterior of the bladder to the interior, a narrow elongated elastic closing plug under compression in said passageway so as to close and seal the same, said plug extending out of said passageway

at the outer end of the latter and into the inflating perforation of the cover, means associated with the outer end portion of the plug adjacent the outer surface of the cover for guiding an inflating needle to a position alongside the plug in the passageway so that the needle can be extended completely through the passageway and into the interior of the bladder for inflating the



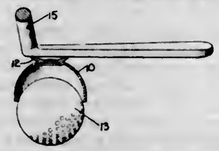
latter, and cooperating means of engagement carried by the outer lateral portion of the tubular member and by the inner face of the cover around the inflating perforation whereby the bladder is held to and against the cover, said last-named means being manually manipulable when the bladder is in deflated condition to detach the bladder from the cover when desired.

2,044,837
CLOSURE FOR COLLAPSIBLE TUBES
Harry D. Davis, Springfield, Mass.
Application October 7, 1935, Serial No. 43,911
5 Claims. (Cl. 221—60)



5. A one-piece closure means for collapsible tubes and the like, comprising a closure element, an interiorly screw-threaded collar for attachment to the tube, and tension arms interconnecting said element and collar at diametrically opposite points and fixedly connected both to the collar and element; said element, collar, and arms made of one molded piece of rubber.

2,044,838
COMBINED TEE AND BALL LIFTER
Charles E. Douglas, Grand Rapids, Mich.
Application May 26, 1932, Serial No. 613,636
1 Claim. (Cl. 273—66)



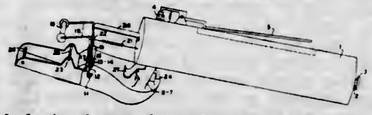
An article of manufacture for the retrieving of golf balls comprising, a cup body portion formed of rubber or the like, said body portion being of substantially the same size as one half a regulation size golf ball, said body portion having a relatively blunt terminal edge of circular shape, said edge being of sufficient strength to support the weight of a regulation golf ball and having a diameter thereacross which is slightly less than the diameter of the said golf ball and said body portion extending back from a plane through the terminal edge at an angle less but only slightly less than a right angle whereby wedging engagement is easily had between the golf ball and the cup, said ball also being held in the cup body portion by suction and a vacuum cup on said body portion for attaching the same to a flat supporting surface.

2,044,839
AUTOMOBILE EXHAUST MUFFLER
Terence A. Duffy, Philadelphia, Pa.
Application December 13, 1933, Serial No. 702,114
3 Claims. (Cl. 181—49)



1. An automobile exhaust muffler comprising a closed cylinder; bolts passing diametrically through said cylinder and fixed thereto, and a contraction spring connected to said bolts parallel to the side walls of said cylinder.

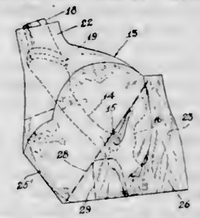
2,044,840
HAND TAPE GUMMER
Malcolm L. Flood, Oceanside, N. Y., assignor to International Communications Laboratories, Inc., New York, N. Y., a corporation of New York
Application March 24, 1931, Serial No. 524,931
13 Claims. (Cl. 91—62.5)



1. A device for applying liquid glue to a tape, a reservoir for the glue, a valve head having a slot connected to said reservoir, a spring tensioned knife-edged valve plate in co-operative association with said valve head, tape guides including a pivotally mounted glue spreader, and connecting means between said spreader and said valve plate for opening said valve slot upon movement of said glue spreader about its pivot.

8. A device for applying liquid to a tape comprising a hollow body portion forming a reservoir for the liquid and shaped to serve as a handle, a tubular nozzle leading from the reservoir forming a conduit and having a discharge aperture disposed on the top and transverse to the longitudinal axis of said nozzle, guide means for directing the tape longitudinally along the top of said tubular nozzle and transversely across said aperture.

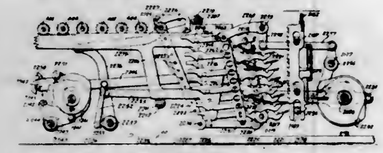
2,044,841
ART OF MEAT PACKING
Hugo Fredberg and Carl Fredberg, Chicago, Ill.
Application January 12, 1934, Serial No. 706,395
4 Claims. (Cl. 99—157)



1. In the art of meat packing, the method of preparing hams which comprises forming the

ham with a broad flat base disposed in a plane passing through the extreme upper end of the thigh bone substantially perpendicular thereto so as to exclude the hip bone, curing the ham thus formed, and smoking the ham with a protective covering of substantial thickness overlying said base so as to prevent undue drying of the meat.

2,044,842
ACCOUNTING MACHINE
Maximilian M. Goldberg, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Application June 22, 1931, Serial No. 546,032
349 Claims. (Cl. 235—7)



111. In a machine of the class described, capable of making operations comprising a plurality of cycles, the combination of a record control card having a plurality of perforated fields thereon, means to select the perforated field to be interpreted, means to interpret the select field at one cycle, means to select another field to be interpreted at another cycle, differential actuators, means under the control of the interpreting means to drive the actuators, normally ineffective means operated at each cycle to operate the drive means, means to render the operating means effective at one cycle to operate the drive means to set the actuators under the control of the first interpreted field, means to render the operating means ineffective at another cycle to permit the interpreting means to interpret the second selected field, and means again to render the operating means effective to operate the drive means to set the actuators under the control of the second selected field.

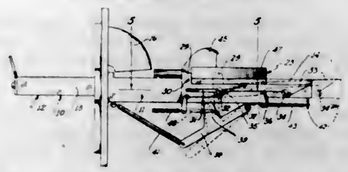
149. In a machine of the class described, the combination of a record material carriage adapted to be shifted in one direction to select lines and in another direction to select columns, means under the control of the carriage to prevent operation of the machine until the carriage is moved to select a certain column, means normally to lock the carriage against line selection, means to unlock the carriage, and means operated by the unlocking means to prevent column selecting movement.

174. In a machine of the class described capable of being operated continuously through a plurality of cycles, an amount keyboard on which to set identification numbers, amount differentials controlled by said keyboard, a control differential to control operation of the machine, a group of keys to control the control differential, other means to control said control differential, a group of card controlled differentials, and means intermediate the amount differentials and the card controlled differentials to determine whether the control differential is to be operated under the control of the bank of keys or under the control of the other control means.

223. In a machine of the class described, the combination of an insertable control element, means cooperating with the control element to determine whether the proper control element has been inserted into the machine, other means cooperating with the control element to pick up data from the control element and enter such data into the machine, and means to modify such data after it has been entered into the machine.

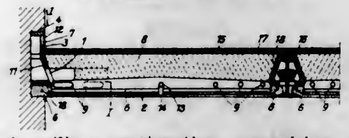
324. In a machine of the class described, the combination of a totalizer, actuators therefor, zero stops for the actuators, a plurality of means to automatically remove the zero stops, and manipulative devices to select one of the automatic means.

2,044,843
COIN CHUTE
Clyde B. Gorton, Chicago, Ill., assignor to C. B. McClellan, Chicago, Ill.
Original application September 6, 1934, Serial No. 742,885. Divided and this application January 7, 1935, Serial No. 617
5 Claims. (Cl. 194—98)



5. A coin chute comprising the combination of: a guide; a coin slide carried by the guide having a coin-receiving or token-receiving pocket formed therein; a coin receptacle arranged on one side of the guide and slide; means including a spring actuated member arranged on the opposite side of the guide and coacting with said slide when the latter is moved in one direction to eject a coin from said coin pocket into said coin receptacle; and means including a slidable member coacting with the said coin slide to eject a coin from said coin receptacle when the said coin slide is moved in a direction opposite to the said first-named direction.

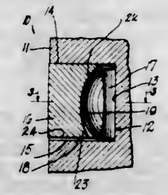
2,044,844
CONSTRUCTION OF BUILDINGS
Heinrich Griesel, Berlin, Germany
Application October 6, 1932, Serial No. 636,439
In Germany October 10, 1931
3 Claims. (Cl. 72—66)



1. A ceiling construction comprising a pair of supports, a ceiling plate disposed between and carried by said supports, spaced abutment members carried on said ceiling plate, and a cover member extending between and supported by said abutment members, said cover member being spaced from the ceiling plate to form a space for circulation of air, at least one of said abutment members having a passage therethrough, said passage communicating with the space between the ceiling plate and the cover member, and the space above said cover member, whereby air may pass from one of said spaces to the other.

2,044,845
PISTON RING AND SPRING
Anthony Guerriero, Brooklyn, N. Y.
Application September 18, 1934, Serial No. 744,499
3 Claims. (Cl. 309—27)

1. A device including a piston ring having a part of its inner annular face of arcuate form in cross section, and a substantially polygonal one piece strip spring having apical corner portions constituting spheroidal segments projecting outward in the plane of the spring, said segments lying substantially between the edges of the spring and being confined to and constituting solely the apical portions of the spring, said segments bearing against said annular face of the



ring so as to exert an upward and radial outward force on the ring, and the ring and spring being adapted for relative axial movement to each other, the sides of said polygonal spring being normally outwardly concaved and otherwise relatively flat, and being reduced in width immediately adjacent to opposite sides of each spheroidal segment to prevent cutting of the ring by the spring.

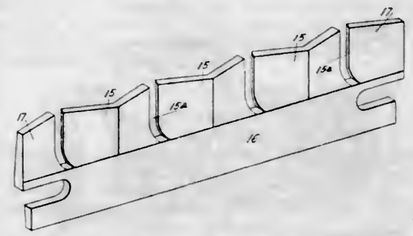
2,044,846
ORNAMENTAL WOVEN FABRIC
Lewis Hamer, Rutherford, N. J., and Jack Jarmak, New York, N. Y., assignors to Scheuer and Company, New York, N. Y., a firm composed of Sidney H. Scheuer and Linda Scheuer, copartners
Application December 3, 1935, Serial No. 52,632
4 Claims. (Cl. 139—416)



1. An ornamental woven fabric having a plain-weave ground and a figure thereon composed of dots, each dot being formed by only two rovings arranged side by side between a pair of adjacent ground wefts, said rovings engaging with six adjacent warps, the outermost warps passing over both rovings to delimit the spot, the penultimate warps passing under both rovings to push them upwardly on the face of the fabric, and the innermost warps weaving over and under said rovings in alternate relation to tie the rovings down.

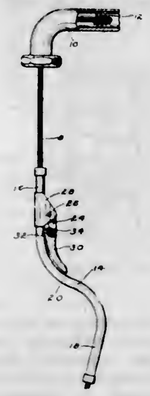
2,044,847
BEATING ENGINE
Robert H. Henry, Dayton, Ohio, assignor to Simonds Worden White Company, Dayton, Ohio, a corporation of Ohio
Application May 13, 1935, Serial No. 21,174
4 Claims. (Cl. 92—22)

1. A beater bar comprising a straight inner portion to be attached to a roll and a plurality of blades extending outwardly from said inner portion and spaced apart to form slots between adjacent blades, said slots being of narrow width with relation to said blades, and said blades having their front surfaces inclined to the path thereof to exert lateral pressure on the material in a



direction lengthwise of said bar and toward said slots.

2,044,848
SNAKE HANDLE
James S. Hermanson, Seattle, Wash.
Refile for abandoned application Serial No. 500,532, December 6, 1930. This application May 18, 1934, Serial No. 726,342
2 Claims. (Cl. 24—134)

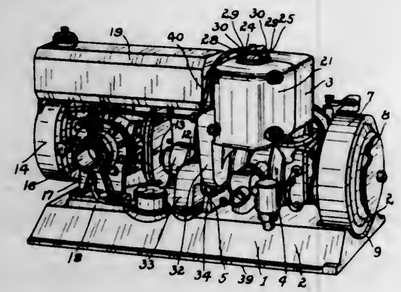


1. The combination with a housing having an opening therein and adapted to receive and clamp a cable, of a clamp-lever having a jaw movable through said opening, said lever having pivot-bearings rigid with the housing, a cam-lever pivoted on the clamp-lever, and said cam-lever having a cam-portion adapted to engage the housing and perform the functions of a fulcrum for the cam lever.

2,044,845
PORTABLE PUMPING UNIT
Earl W. Himberger, Seattle, Wash.
Application July 9, 1935, Serial No. 30,453
4 Claims. (Cl. 123—195)

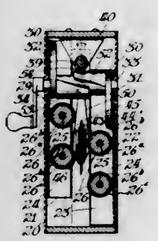
1. In a pumping unit, the combination with a base and an enclosing, ported, web, forming an exhaust chamber, and a gasoline engine rigidly mounted on the base and provided with an exhaust port, of a high-pressure expansion casing bolted to the engine and communicating with said port, an auxiliary valve device for controlling passage of gases from one portion of the casing, a depending conduit integral with the casing and communicating therewith at another

portion of the casing, and a low pressure casing



bolted to said conduit and base and communicating with said elements of the unit.

2,044,850
RAZOR BLADE STROPPER AND HONER
Edward A. Johnston, Chicago, Ill.
Application October 6, 1934, Serial No. 747,169
4 Claims. (Cl. 51—41)

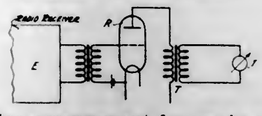


1. A blade resharpening device comprising a casing, a blade carrier rockably mounted in the casing, abrasive rolls rotatably mounted in the casing on parallel axes at opposite sides of said carrier and in position to engage the opposite edges of a double edge blade held in said carrier, the axis of the carrier being oblique to those of the rolls, means for reciprocating the rolls to move them along the edges of a blade, means for simultaneously oscillating the rolls, and means for rocking the carrier as the direction of the movements of the rolls changes.

2,044,851
FROTH FLOTATION CONCENTRATION OF ORES
Cornelius H. Keller, San Francisco, Calif., assignor to Minerals Separation North American Corporation, New York, N. Y., a corporation of Maryland
No Drawing. Application December 6, 1932, Serial No. 645,947
4 Claims. (Cl. 209—166)

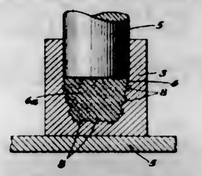
4. The process of concentrating an ore containing a mineral value and gangue which consists in agitating an aqueous pulp of the ore containing a flotation agent having a formula including a phenyl group and a xanthic group, said agitation being so conducted as to form a mineral-value-bearing float, and separating the float.

2,044,852
ELECTRIC INDICATOR FOR COMPARING FIELD INTENSITIES
Ernst Kramar, Berlin-Tempelhof, Germany, assignor to C. Lorenz Aktiengesellschaft, Berlin-Tempelhof, Germany, a company
Application November 18, 1933, Serial No. 698,619
In Germany December 12, 1932
1 Claim. (Cl. 177—352)



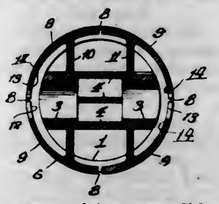
A receiving arrangement for use in a radio direction finding or course indicating system in which a direction or course is indicated by comparison of the electromagnetic field intensities, comprising a rectifier, means for impressing signals on said rectifier, an indicating instrument which is very sensitive in the vicinity of its normal position and relatively insensitive in the range of the maximum deflection, and a transformer coupling the rectifier to said indicating instrument.

2,044,853
METHOD OF MAKING CUTTING TOOLS, DIES, ETC.
Clemens A. Laise, Tenafly, N. J., assignor to Eisler Electric Corporation, Newark, N. J., a corporation of Delaware
Application January 21, 1932, Serial No. 587,961
6 Claims. (Cl. 75—137)



1. Method of making nibs for tools, dies, etc., comprising reducing finely divided mixed oxides of a refractory metal and a binder metal with hydrogen at an elevated temperature, carburizing said reduced material, breaking up the carburized product into finely divided form, lightly compacting and molding the same at a high temperature, and then subjecting the molded product to a high pressure sufficient to densely compact the same.

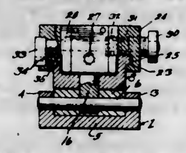
2,044,854
PISTON
Elmer C. Long, Quincy, Ill., assignor, by mesne assignments, to Security Trust Company, Detroit, Mich., a corporation of Michigan
Application January 17, 1921, Serial No. 437,690
9 Claims. (Cl. 309—11)



1. A piston comprising a solid end portion having a pair of wrist pin bearings depended

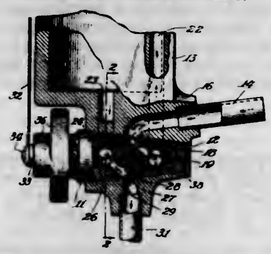
therefrom, a skirt portion, said skirt portion having an annular slot cut through the thickness of its peripheral wall thereby separating it from said solid end portion, said wrist pin bearings being free from engagement with said skirt portion, the wall of said skirt portion being circumferentially tapered to decreasing thickness toward opposing sides and provided with a pair of slots in the thinner sides thereof which extend longitudinally from the lower end thereof to said annular slot, said skirt portion being supported from the wrist pin bearings by webs engaging the thicker sections of the skirt.

2,044,855
GUN SIGHT
Carl G. Lundgren, Detroit, Mich.
Application March 14, 1932, Serial No. 598,563
4 Claims. (Cl. 33—56)



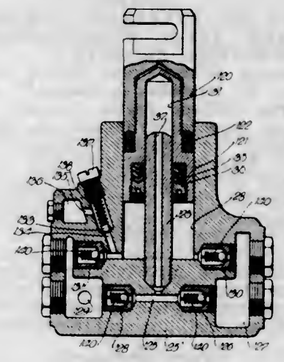
1. In a gun sight, a base, a member pivotally supported by the base to turn on a horizontal axis, a sight leaf pivotally supported on the said member to turn on a vertical axis, a slide having a peep sight therein slidably supported on the sight leaf, said sight leaf having an upwardly inclined surface whereby the peep sight is raised or lowered as the slide is moved in one direction or another on the inclined surface, means between the base and member for moving the pivotally supported member about its horizontal pivot, and means interconnecting the member and leaf for moving the sight leaf and slide about the vertical pivot, the two pivotal axes being normal to each other.

2,044,856
VALVE
Ellery Norton, Chicago, Ill.
Application October 10, 1932, Serial No. 637,040
8 Claims. (Cl. 251—104)



5. A valve comprising a valve chamber having a seat with four ports disposed on said seat, one of said ports being solely an inlet port to the valve, and a second port solely an outlet port from the valve, a valve plug disposed in said chamber against said seat having a pair of separate internal passageways, each passageway comprising an inter-connecting transverse duct and a longitudinal angularly extending duct with a port opening from each duct onto the surface of the plug, with each longitudinal angularly extending duct positioned in a manner whereby the surface port of the same is adapted to selectively correspond with said inlet port and said outlet port, and the transverse ducts positioned in a manner whereby the surface port of one of said transverse ducts is adapted to correspond with one of the remaining two valve chamber ports, and the surface port of the other transverse duct is adapted to correspond with the other of the remaining two ports.

2,044,857
PUMP
Edward M. Pfauser, Milwaukee, Wis., assignor to Blackhawk Mfg. Co., Milwaukee, Wis., a corporation of Wisconsin
Application September 2, 1933, Serial No. 687,969
1 Claim. (Cl. 103—11)



A double cylinder pump comprising a casting constituting the base of the pump, said casting being formed with a pressure passageway at one side thereof and a sump at the other side separate from said passageway, a pump cylinder disposed therebetween, a pump plunger within the cylinder, the end of the plunger that extends into the cylinder having a longitudinally extending bore constituting a second cylinder, a stationary plunger extending into the second cylinder and having an axial duct for conveying fluid to and from the second cylinder, a conduit leading laterally from said pump cylinder into communication with the sump at said other side of the pump casting, a second conduit in axial alignment with said first conduit and extending from the opposite side of the cylinder to said one side of the pump casting into communication with said pressure passageway, a transverse passageway in the pump casting and communicating intermediately with said axial duct and at its ends with said sump and pressure passageway respectively, check valves in said conduits and at the ends of said transverse passageway, and a valved relief opening extending at an angle with respect to said second conduit and serving to establish communication between said cylinder and said sump.

2,044,858
DEVICE FOR POLISHING METAL OR THE LIKE
Matt Ryan, Detroit, Mich.
Application January 31, 1935, Serial No. 4,277
10 Claims. (Cl. 51—193)

9. A polishing wheel comprising superimposed layers of fibrous material, said layers being of circular, disc-like form sinuously curved relative to the periphery of the wheel, and separate independent sectors of fibrous material fitting in

the depressions formed on opposite sides of said



layers to form a wheel having a working area of uniform width.

2,044,859

PROCESS OF PREPARING AIR-DRYING LACQUER FROM PHENOL-ALDEHYDE CONDENSATION PRODUCTS

Fritz Seebach, Erkner, near Berlin, Germany, assignor to Bakelite Gesellschaft mit beschrankter Haftung, Berlin, Germany

No Drawing. Application January 28, 1932, Serial No. 589,537. In Germany February 4, 1931

8 Claims. (Cl. 134—26)

2. Process of preparing compositions suitable for coatings drying in air from heat-hardenable phenol-aldehyde resin and an air-drying fatty oil which comprises heating the resin with the fatty oil in the presence of a member of the group consisting of carboxylic acids, their anhydrides and chlorides, said member acting as a solvent in promoting a homogenization of the resin and the oil, and distilling acid therefrom.

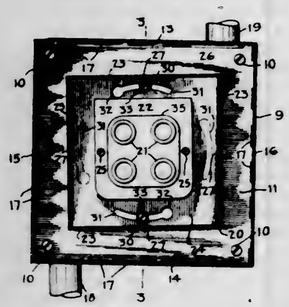
2,044,860

ELECTRICAL WALL CABINET

Isaac D. Silverman, New York, N. Y.

Application April 11, 1931, Serial No. 529,374

4 Claims. (Cl. 247—10)



1. An electrical wall cabinet which comprises on the one part, a back box adapted to be set in the wall, and on the other part a unitary member which is applied and adjusted in position as a single unit, said unitary member comprising a panel carrier which enters the back box and portions united with the front of the panel carrier and adapted to overlie the finished face of the wall, together with adjustable screw connections between the back of the back box and the back of the panel carrier, which back of the panel carrier has slots to receive the screw connections, so that the front portions of the unitary member may be adjusted flat to the wall and true to the vertical and horizontal irrespective of the position of the back box.

2,044,861

MUSHROOM SPAWN AND METHOD OF MAKING IT

James W. Sinden, State College, Pa., assignor to The Pennsylvania Research Corporation, State College, Pa., a corporation of Pennsylvania

No Drawing. Application September 18, 1935, Serial No. 41,179

6 Claims. (Cl. 47—1)

1. That method of growing mushroom spawn which comprises preparing a cereal substrate, adding about 1 to about 3 parts by weight of a slightly soluble calcium salt to the substrate for every 100 parts by weight of the substrate, sterilizing the mixture, inoculating the substrate by the introduction of a mushroom culture and incubating until the substrate is overgrown with mycelium.

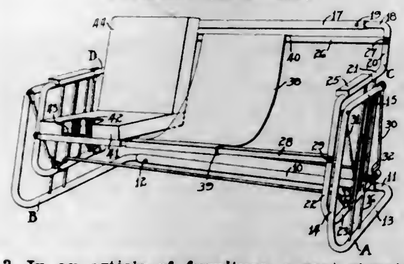
2,044,862

GLIDER STRUCTURE

Milton B. Smith, Perrysburg, Ohio, assignor to The Hettrick Manufacturing Company, Toledo, Ohio, a corporation of Ohio

Application February 4, 1935, Serial No. 4,732

3 Claims. (Cl. 5—124)



3. In an article of furniture, a seat structure adapted to be suspended for swinging movements from a supporting base, said seat structure comprising a pair of end parts, each end part having a horizontally disposed attaching portion free at the rear end, a leg portion extending upwardly from the front end of said attaching portion, an arm portion extending rearwardly from said leg portion, an inwardly extending back portion, and means connecting said back portion and said arm portion, a connecting member joining said back portions, detachable fastening means for securing said connecting member to each back portion, and a rail detachably connecting the legs of said end parts.

2,044,863

VIBRATING TOOTH BRUSH

William F. Sticht, Maplewood, N. J.

Application April 22, 1932, Serial No. 606,770

10 Claims. (Cl. 128—55)



1. In a vibrating toothbrush, a chambered handle, a tubular shank connected at one end to and extending from one end of the handle and arranged with a hood at the opposite end with the opening of the hood at the side of the shank and the outer wall of the hood inclining toward the hood opening, a magnetic vibrator longitudinally reciprocatory in the handle chamber, a stem mounted in the shank to have longitudinal movement, with the inner end abutting the vibrator and adapted to be moved longitudinally outward by the vibrator, a bearing carried at the outer end of the stem engaging the inclining end wall of the hood, a pair of links each connected at one end to the outer end of the stem, a U-shaped link connected to the opposite end of each of said links and each leg of said U-shaped link extending rearwardly and pivotally connected at its end to a wall of the hood, a plate spring connected at one end to the U-shaped link at the pivot connection thereof with the pair of links and secured at the opposite end to the shank at the rear of the hood and urging the stem longitudinally in a direction toward the vibrator, and a brush detachably held between the legs of the U-shaped link to extend outwardly from the hood opening, the parts being arranged whereby movement transmitted to the stem by the vibrator will cause the end of the stem to ride up the inclining wall of the hood and move the brush in a direction outward from the hood opening and place the spring under flexure, and said spring plate imparting retracting movement to the brush and stem.

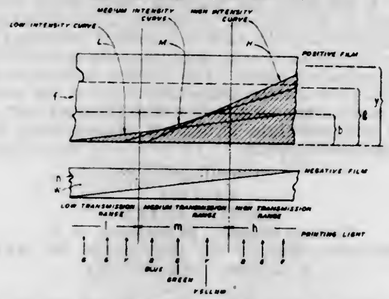
2,044,864

METHOD OF MAKING LIGHT SENSITIVE FILMS

Leonard T. Troland, Cambridge, Mass., assignor, by mesne assignments, to Technicolor, Inc., New York, N. Y., a corporation of Delaware

Application May 23, 1930, Serial No. 454,973

15 Claims. (Cl. 95—7)



1. In the art of reproducing photographic records, the method of controlling the exposure density relation of film prints which comprises sensitizing an emulsion for light including a wave length range of at least approximately 120 millimicrons, making said emulsion absorptive of light of at least three substantial wave length zones substantially covering said range, the degrees of light absorption for the respective zones being stepped so that exposure light of said range penetrates to three substantial depths corresponding to said zones stepped throughout the emulsion, printing on said emulsion with light including said range and adjusting the exposure density relation of each zone through absorption of the emulsion and exposure light intensity, thereby controlling the exposures of said zones substantially independently and thus adjusting the shape of the total density exposure relation.

2,044,865

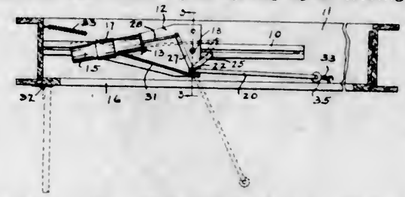
DOOR CHECK

Ernest Van Arsdel, Indianapolis, Ind.

Application February 11, 1936, Serial No. 63,330

7 Claims. (Cl. 16—84)

2. For a door having a return pull spring, a door check comprising a door frame mounting member, a plate shiftable along the member, a cylinder carried by the plate, a lever rockably mounted on the plate, a piston in said cylinder interconnected with said lever, and a spring normally urging said lever toward said door overcome by said return pull spring upon closing of



the door, the closing of which is checked by travel of said piston in said cylinder to create a resisting pressure thereby, and means for variably positioning said lever in relation to impact with the door in its closing travel.

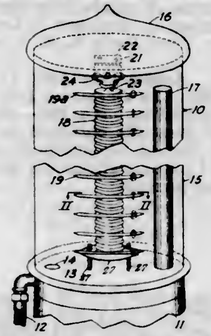
2,044,866

VOLUME MEASURING DEVICE

Philip S. Williams, Richmond, and Gerald E. Mineard, Berkeley, Calif., assignors to Standard Oil Company of California, San Francisco, Calif., a corporation of Delaware

Application September 24, 1934, Serial No. 745,206

6 Claims. (Cl. 73—166)



1. An apparatus for dispensing liquid comprising a transparent container for liquid, a fixed overflow pipe for limiting the height of liquid in said container, a continuous temperature responsive element independent of said overflow pipe extending substantially throughout the depth of the liquid space in said container, and a scale for indicating the volume of liquid in said container, said scale being adjustable so that the zero may coincide with the top of the overflow pipe, and comprising individual liquid level indicators supported along said temperature responsive element so that the intervals between said indicators will be varied in response to temperature variations in said liquid.

2,044,867

REGULATING DEVICE FOR VACUUM PUMPS

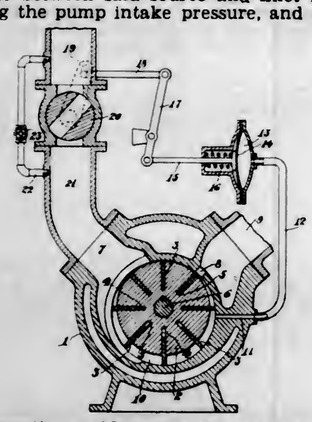
George H. Woodard, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey

Application June 1, 1934, Serial No. 728,491

5 Claims. (Cl. 230—138)

1. A vacuum pump having inlet and outlet openings and an intermediate port between the openings and incommunicable with the outlet opening, a conduit leading from a source of

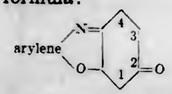
fluid medium to the inlet opening, means in the conduit between said source and inlet for controlling the pump intake pressure, and a device



for operating said means in response to the pressure of the fluid medium at said intermediate port.

2,044,868
SULPHUR DYESTUFFS
Werner Zerweck, Frankfort-on-the-Main/Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application July 11, 1933, Serial No. 679,985. In Germany July 19, 1932
6 Claims. (Cl. 260—19)

1. Sulphur dyestuffs obtained by sulphurizing according to one of the methods usual for the production of sulphur dyestuffs phenoxazones-2 of the general formula:



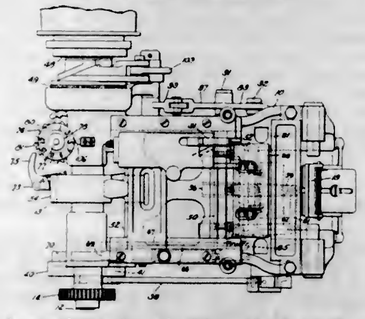
which may be substituted in the arylene radicle by a substituent of the group consisting of halogen, alkyl, nitro, amino and substituted amino groups and in the quinoid nucleus by halogen atoms, which dyestuffs dye the vegetable fiber bright mostly brown and violet to blue shades of a good fastness particularly to light.

2,044,869
SAFETY CATCH FOR WRIST WATCH BANDS, BRACELETS, NECKLACES, AND OTHER JEWELRY
Emanuel M. Alkin, New York, N. Y., assignor to Morays Watch Case Co., Inc., New York, N. Y.
Application July 26, 1935, Serial No. 33,208
5 Claims. (Cl. 24—265)



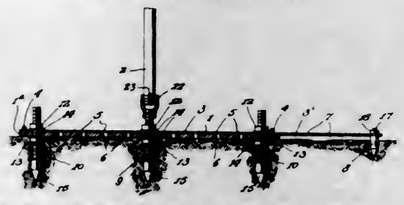
1. A safety catch of the class described, comprising a central body, links with bar portions, an inner catch leaf pivotally mounted on one end of said body and extendible over the bar portion on one of said links, means on the central body and said inner catch leaf for holding the inner catch leaf closed, another one of said links and an outer catch leaf pivotally mounted on the other end of said body, and means for holding the outer catch leaf closed over said inner catch leaf, said means for holding the inner catch leaf closed comprising a bolt element slidable on the inner catch leaf and engageable with a portion of said central body.

2,044,870
SLASHING MACHINE
William C. Baxter, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application October 3, 1933, Serial No. 691,998
10 Claims. (Cl. 12—40)



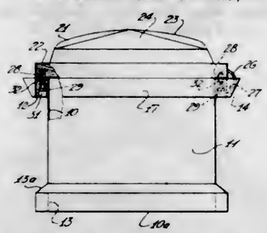
1. A machine for slashing sheet-stock comprising a cutting bed, a slashing knife arranged to operate against said bed, means arranged to operate said knife with simultaneous components of penetrating motion and scoring motion in an orbital path intersecting one surface of the work, and mechanism arranged to feed the work step by step and maintain it against displacement between feeding steps.

2,044,871
HAND PLANTER
Lawton Beasley, Bishopville, S. C.
Application October 10, 1935, Serial No. 44,426
6 Claims. (Cl. 55—67)



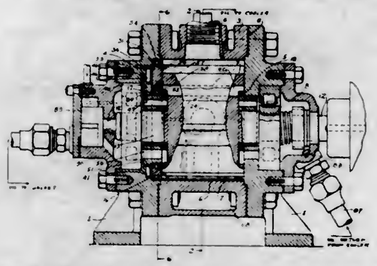
1. In a hand planter, a body formed from an elongated flat plate, a reinforcing strip extending longitudinally of said body and secured against the upper face thereof with a portion projecting from one end of the body, the body and strip being formed with registering openings and the extended portion of the strip also having openings formed therein, prongs depending from the body and having threaded upper end portions extending through the registering openings of the body and strip, nuts threaded upon the prongs above and below the body and strip and when tightened serving to hold the prongs in vertically adjusted positions, a marker under the extended portion of said strip having a stem at its upper end engaged through an opening of the strip and carrying a securing nut whereby the marker will be detachably secured to the strip, and a handle above the body.

2,044,872
CASKET
Robert James Beatty, Cedar Rapids, Iowa
Application February 21, 1935, Serial No. 7,536
1 Claim. (Cl. 27—17)



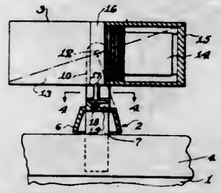
In a sheet metal casket, a body portion of built-up construction comprising end walls and side walls and bottom, the end walls and side walls having portions bent out and around wooden pieces to form an upper frame, a lid formed with inwardly extending flanges enveloping wooden side and end pieces, a plurality of nuts embedded in the wooden side and end pieces of the lid, corresponding nuts and bolts engaged in the side and end members of the body portion and passing up through the upper frame and the flanges of the lid to cooperatively engage the nuts embedded in the wooden member of the lid so that the adjacent sheet metal portions of the lid and body will be held tightly between the nuts in the upper frame and the nuts in the lower frame.

2,044,873
ROTARY COMPRESSOR
Cecil J. Beust, Atlanta, Ga.
Application November 21, 1933, Serial No. 699,066
17 Claims. (Cl. 230—205)



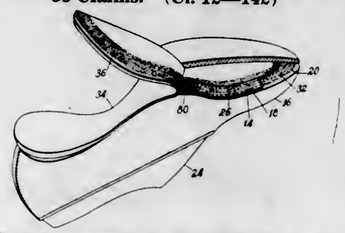
1. Rotary compressor comprising a casing, a rotor within said casing, said rotor co-operating with the inner peripheral wall of said casing and with suitable end wall structure to form suction and compression chambers, including a sealing member forming an end wall for at least one side of said suction and compression chambers making endwise contact with said rotor whereby the area of said end wall exposed to pressure within said chambers is less than the entire area of the outer side of said end wall, means for pressing said end wall against said rotor by externally applied fluid pressures derived from pressures within said compressor, and means for restricting the application of said derived pressures to areas on the outer side of said end wall remote from the outer peripheral portion thereof for relieving the peripheral portions of the rotor, that is to say, those parts having maximum angular velocity, from excess endwise friction, said restricting means comprising a head between which and the side of the rotor said end wall is positioned, said head having recesses opening in the face thereof, the open sides of which delineate the said areas, flexible cupped members hermetically fitting said recesses and forming therewith pressure chambers, the bottoms of said cupped members contacting said end wall and the derived pressures being in communication with said pressure chambers, the extent of said areas being sufficiently less than the entire area of the outer side of said end wall to avoid excessive sealing pressure but sufficiently great to oppose a predominant pressure to the pressure within said chambers.

2,044,874
HANDBAG
Bernard Calem and William Stahle, Bronx, N. Y.
Application July 6, 1935, Serial No. 30,125
2 Claims. (Cl. 150—33)



1. In a device of the class described, the combination of a bag, of a set of frames at the opening end of said bag, a clasp for holding said frames together, said clasp provided with upstanding arms, a handle member pivotally supported in said arms and arranged to oscillate in a vertical plane, and means to latch said handle member in a position parallel to the plane of said frames, said means comprising a pin extending downwardly from said handle member, a U-shaped spring element embedded at the meeting point of said upstanding arms, said pin adapted to engage the ends of said U-shaped spring element.

2,044,875
SHOE AND THE MANUFACTURE THEREOF
James Cavanagh, Cohasset, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application March 26, 1932, Serial No. 601,372
53 Claims. (Cl. 12—142)



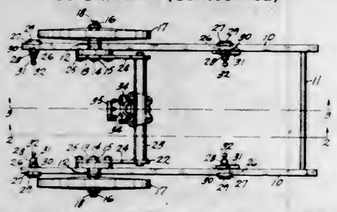
1. That improvement in methods of making shoes which comprises inserting several rows of stitching in the lasting allowance of a shoe upper substantially parallel to the edge thereof, thereby forming an anchorage to which pyroxylin cement will adhere strongly, lasting the upper, and, without roughening the overlasted portion of the upper, attaching an outsole to the shoe bottom with pyroxylin cement.

36. A leather shoe upper the marginal portion of which is provided with stitching extending over substantially the whole width of the lasting

allowance of the upper forwardly of the heel breast line, the remainder of the upper being free from more than the normal stitching.

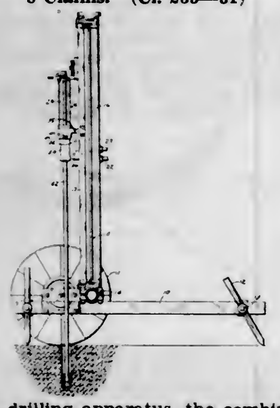
41. A shoe having a leather upper the overlasted marginal portion of which is non-roughened but in which is inserted stitching occupying substantially the entire width of the overlasted portion, the remainder of the upper being free from such stitching, said shoe having an outsole cement-attached to the non-roughened stitched portion of its upper.

2,044,876
WAGON DRILL
John C. Curtis, Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio
Application March 15, 1933, Serial No. 660,884
18 Claims. (Cl. 255—51)



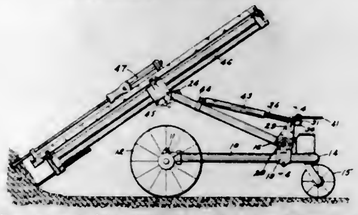
3. In a portable drilling rig, the combination, of a carrying frame comprising a single unit, bearings carried by said frame, a substantially U-shaped tool supporting frame pivotally connected by said bearings to said carrying frame, and means forming a part of said bearings for holding said tool supporting frame in adjusted position.

2,044,877
DRILL STEEL EXTRACTOR
John C. Curtis, Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio
Application June 18, 1934, Serial No. 731,121
8 Claims. (Cl. 255—51)



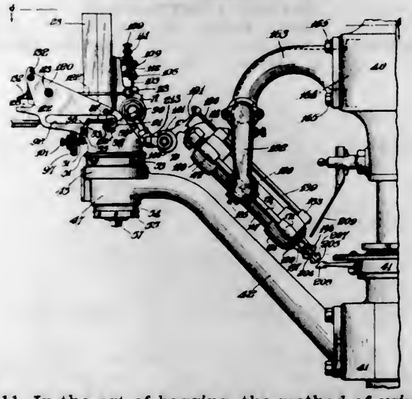
7. In a drilling apparatus, the combination of a frame, a slide movable relative to said frame, feeding means for the slide, a motor having a casing positioned on the slide, impact surfaces on the casing and slide, a tool carried by the motor, and an automatically releasable connection between the slide and motor for imparting impact blows to the casing to extract the tool from the hole when it becomes stuck.

2,044,878
PORTABLE DRILL RIG
John C. Curtis, Garfield Heights, Ohio, assignor to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio
Application May 22, 1935, Serial No. 22,806
12 Claims. (Cl. 255—51)



5. In a portable drill rig, the combination of a carrying frame including two side members, a connection slidably mounted on each of said side members, a tool supporting frame including two side elements, one end of each said side elements being slidably and pivotally connected by said connections to said side members, and a mechanism associated with said tool supporting frame operable for imparting pivotal movement thereto, said mechanism being carried by one of said connections for slidable movement therewith relative to said carrying frame.

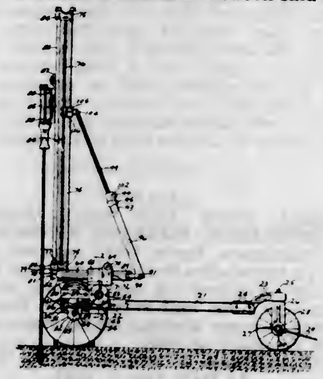
2,044,879
MACHINE FOR FILLING AND SEALING PAPER BAGS
Harold G. Eynon, Philadelphia, Pa.
Application May 6, 1930, Serial No. 450,103
55 Claims. (Cl. 226—51)



11. In the art of bagging, the method of using a suction plate which consists in holding the plate against a side of the open bag for bag filling and closing operations, and subsequent to closing, in moving the suction plate to transfer the bag from filling to discharge position and in releasing the suction to drop the bag to discharge.

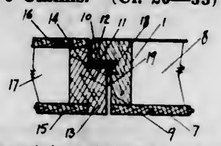
2,044,880
DRILLING APPARATUS
Louis W. Greve, Cleveland, and John C. Curtis, Garfield Heights, Ohio, assignors to The Cleveland Rock Drill Company, Cleveland, Ohio, a corporation of Ohio
Application September 10, 1934, Serial No. 743,430
35 Claims. (Cl. 255—51)

1. In a drilling apparatus, a mechanism for supporting and guiding a drill comprising a supporting frame, a substantially U-shaped cross member pivotally connected to said frame, an arm movably secured to said member, a drill guiding frame mounted on said arm, and means for establishing a rigid connection between said frames



in any position assumed by said drill guiding frame by virtue of the pivotal connection of said member with said supporting frame and by virtue of the movement of said arm relative to said member.

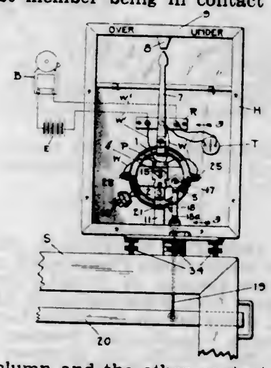
2,044,881
WEATHER STRIP RETAINER
August William Louis Hartbauer, Chicago, Ill.
Application November 27, 1931, Serial No. 577,554
6 Claims. (Cl. 20—35)



5. A weatherstrip retaining means comprising a main body portion, said body portion being L-shaped and acting as a support, a weatherstrip, a metallic weatherstrip retainer, said metallic weatherstrip retainer having a body portion, sharpened elongated prongs extending from said body portion, elongated spaces between said prongs, the body portion of said retainer being secured against one surface of said L-shaped support and the ends of prongs after piercing the weatherstrip entering the other surface of said support to aid in supporting the weatherstrip, said prongs permitting said weatherstrip to slide thereon in two directions.

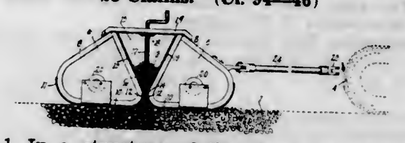
2,044,882
MERCURY TUBE ELECTRIC CIRCUIT CLOSER
Alfred Colquitt Howard, Beloit, Wis., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt., a corporation of Vermont
Original application March 25, 1932, Serial No. 601,148, now Patent No. 2,014,282, dated September 10, 1935. Divided and this application October 20, 1933, Serial No. 694,457
1 Claim. (Cl. 200—52)

In a mercury tube electric circuit closer, an annularly disposed tube provided with an indicator and a cross arm concentrically mounted around a pivotal point of support, the tube being partially filled with mercury forming a mercury column therein and constituting connecting means with a source of electrical energy adapted to operate electric mechanism in circuit therewith, circuit closing means adapted to provide synchronous co-action of spaced longitudinally adjustable contact members disposed in the said electrical circuit and extending within the mercury tube and connected with the said circuit, one contact member being in contact with the



mercury column and the other contact member moving with the tube until it contacts with an end of the mercury column to close the electrical circuit and thus operate the said electric mechanism, and a depending pointed contact tip on each contact member held in adjusted position by the contact member and adapted to engage the crest of the co-operating mercury column and thus close the circuit at the proper moment.

2,044,883
PAVING MACHINE
Corwill Jackson, Ludington, Mich.
Application September 5, 1933, Serial No. 688,125
23 Claims. (Cl. 94—46)

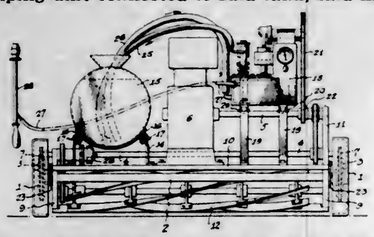


1. In a structure of the class described, the combination of front and rear screeds disposed in spaced parallel relation and comprising shoes having rounded noses, the front screed having a rounded heel portion extended into a forwardly inclined hopper wall, the rounded nose of the rear screed being extended into a rearwardly inclined hopper wall, said rounded heel and nose coacting to provide a downwardly expanding hopper discharge throat, a discharge valve adjustably supported centrally above said hopper discharge throat and in coacting relation thereto, and electric motors provided with unbalancing weights mounted on said screeds.

2,044,884
MOWING AND SPRAYING APPARATUS
Kirk L. Keller, Creve Coeur, Mo., assignor to The Moto-Mower Co., Detroit, Mich., a corporation of Michigan
Application December 24, 1934, Serial No. 758,979
6 Claims. (Cl. 56—26)

1. An attachment for a power lawn mower including wheels, a frame and a motor for driving said wheels; said attachment comprising a platform and a liquid spraying apparatus com-

prising a tank for liquid to be sprayed and a pumping unit connected to said tank, said motor



and apparatus being mounted on said platform, and means for driving said pumping unit from said motor.

2,044,885

SPINNING ARTIFICIAL SILK

Johannes Kleine, Hugo Pfannenstiel, and Werner Matthaes, Dessau in Anhalt, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

No Drawing. Application February 26, 1931, Serial No. 518,598. In Germany March 6, 1930

13 Claims. (Cl. 18—54)

1. The process of manufacturing artificial fibers of high tenacity, which comprises causing a viscose prepared from an unripened alkali cellulose to pass through suitably formed openings into a coagulating bath containing 10 to 30 per cent of sulfuric acid monohydrate and at least 30 per cent of a bisulfate soluble in the acid bath, and stretching the freshly precipitated threads.

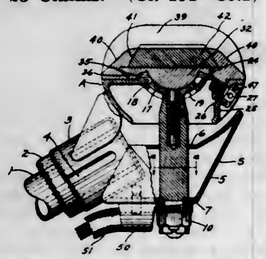
2,044,886

TROLLEY HEAD AND CURRENT COLLECTOR

Ernst A. Larsson, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey

Application February 9, 1934, Serial No. 710,484

23 Claims. (Cl. 191—59.1)



1. A current collector head comprising a support, a sleeve of insulating material mounted on the support and secured thereto and extending back from one end, a second support having a receptacle-like part mounted on the insulating sleeve and secured thereto, a third support mounted on the second support and having a flange at the upper end forming a spherical shaped recess with a spherical concave upper surface and the lower surface of the flange being spherically convex, a saddle mounted on the flange to oscillate in a substantially vertical plane and to rotate about a substantially vertical axis extending through the spherical shaped recess, the saddle comprising an upper member and a lower member, the upper member provided with a boss having a spherical convex surface mounted in the said spherical recess and having co-acting bearing surfaces and the lower member provided with a spherical recess having a spherical concave surface co-acting with the spherical convex surface on the third support, means securing the saddle members together upon the third support and a collector shoe mounted upon the upper saddle member, the shoe provided with a hook portion arranged to engage with a hook portion on the upper saddle member and a securing device spaced from the hook portion and cooperating with the lower saddle member and with the shoe to detachably secure the shoe to the saddle.

2,044,887

FLEXIBLE HOSE FOR HIGH PRESSURE HYDRAULIC BRAKING SYSTEMS

Rocco Laguidara, Turin, Italy, assignor of one-half to Automotive Products Company Limited, London, England, a corporation of Great Britain, and one-half to Fabbriche Riunite Industria Gomma Torino, Turin, Italy, a joint-stock company of Italy

Application July 5, 1934, Serial No. 733,903

In Italy July 5, 1933

1 Claim. (Cl. 138—55)



A high pressure flexible hose for hydraulic braking systems in which the bore is less than half the outside diameter, said hose comprising an inner tube of fluid retaining material, a thread reinforcement surrounding said tube, and an outer covering of rubber, said reinforcement being composed of a plurality of superimposed layers of threads arranged in pairs, the threads in each of which layers are all arranged side by side so as to extend helically along parallel lines, the outer thread layer of each pair being wound directly upon the inner layer and in the opposite direction thereto, and the pairs being arranged so that in at least one instance the inner layer of one pair is wound upon the outer layer of the preceding pair in the same direction thereas, so as to neutralize the tendency for the hose to curl when internal pressure is applied.

2,044,888

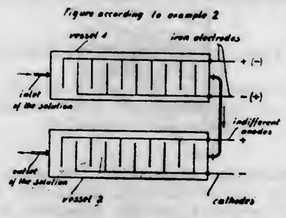
PROCESS OF PURIFYING ALKALI METAL HYDROXIDE SOLUTIONS

Fritz Overdick, Leverkusen-Wiesdorf, and Herbert Gorke, Leverkusen-I. G. Werk, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany

Application December 26, 1934. Serial No. 759,286

8 Claims. (Cl. 204—9)

1. Process of purifying alkali metal hydroxide solutions from chlorate and heavy metal compounds contained therein which comprises subjecting the solutions at first to an electrolytic treatment while using iron anodes and then to



a second electrolysis while using indifferent anodes.

2,044,889

TRICYCLE

Lillian Holleman Ralston, Gruver, Tex.

Application June 6, 1935, Serial No. 25,317

1 Claim. (Cl. 208—42)



An attachment for tricycles of the type comprising supporting wheels, a frame mounted on said supporting wheels, said frame including a substantially U-shaped member and a bar extending from said member, and a seat mounted on said bar, comprising a substantially hollow body mounted on the frame and substantially enclosing said frame, supporting bars mounted transversely in the body and secured to the bar, a substantially V-shaped brace mounted on the substantially U-shaped member of the frame and secured to the body, said body having an opening therein through which the seat projects, and members mounted on the body adjacent the opening and cooperable with the seat.

2,044,890

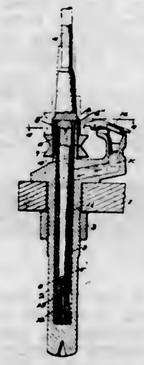
SPINNING SPINDLE AND METHOD OF LUBRICATING SAME

Roy Reddle, Knoxville, Tenn.

Application August 11, 1933, Serial No. 684,714

2 Claims. (Cl. 308—169)

1. In a spindle mounting, the combination of a casing, a bolster with imperforate lateral walls mounted within said casing with its top below the top of the casing and with a passage for oil between the interior of the casing and the exterior of the bolster and leading from the top of the bolster to the base portion of said bolster, said bolster having a cone shaped bearing in the base portion thereof and a passage leading upward to the bottom of said bearing and connecting to the bottom of said bearing with the oil passage between the bolster and casing, a spindle taking bearing wholly within said bolster, and means



supplying oil to the space between said casing and bolster.

2,044,891

SUBSTANTIVE AZODYESTUFFS AND PROCESS OF MAKING SAME

Hans Schindhelm, Frankfort-on-the-Main-Fechenheim, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application April 7, 1934, Serial No. 719,586. In Germany April 13, 1933

3 Claims. (Cl. 260—69)

3. The azo-dyestuff dyeing cotton clear orange shades of a good fastness and being obtainable by condensing 4,4'-dinitro-stilbene-2,2'-disulfonic acid with 4-nitro-4'-amino-stilbene-2,2'-disulfonic acid in the presence of caustic soda solution.

2,044,892

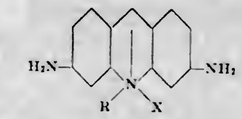
CONDENSATION PRODUCTS OF KETONES WITH COMPOUNDS OF THE DIAMINO-ACRIDINIUM SERIES AND PROCESS OF PREPARING THEM

Otto Sievers, Frankfort-on-the-Main-Hochst, Germany, assignor to Winthrop Chemical Company, Inc., New York, N. Y., a corporation of New York

No Drawing. Application February 21, 1934, Serial No. 712,434. In Germany March 4, 1933

16 Claims. (Cl. 260—36)

1. The process which comprises causing a compound of the following general formula:

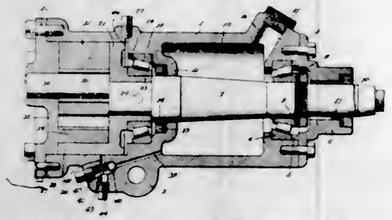


wherein R stands for alkyl or benzyl and X stands for the anion of a strong mineral acid or an aliphatic carboxylic acid which compound may be substituted by two alkyl groups in 2- and 7-position to act upon a ketone of the following general formula:

$$R_1—CO—R_2$$

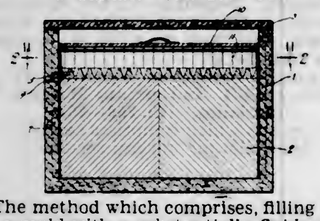
wherein R_1 and R_2 stand for alkyl, or R_1 stands for alkyl and R_2 for a radical of the benzene series, or R_1 and R_2 together stand for two carbon atoms of a hydrogenated six-membered hydrocarbon ring in the presence of caustic alkali.

2,044,893
STEERING GEAR
John A. Wilhelm, North Bend, and Carl L. Blakely, Snoqualmie Falls, Wash.
Application September 17, 1934, Serial No. 744,418
1 Claim. (Cl. 103—126)



An apparatus of the type described comprising a casing having a reserve chamber therein and a working chamber at one end, a pump mounted in the working chamber, means for operating the pump, a straight passage being provided extending from the inner end of the reserve chamber at an incline outwardly through the wall of the casing and beyond the inner end of the working chamber, the outer portion of said passage being increased in diameter to provide a valve chamber, a port leading transversely from said valve chamber and connecting the valve chamber with the working chamber, a check valve in the valve chamber between the port and inner end of the valve chamber, a plug threaded into the outer end of said valve chamber, a spring in the valve chamber between the plug and the valve and tensioned by the plug to yieldably resist movement of the valve in a direction to prevent flow from the reserve chamber, a drain opening leading from the valve chamber in alinement with the port, and a removable plug for closing the outlet end of the drain opening.

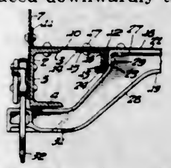
2,044,894
METHOD OF MAKING SHAPED ICE CREAM ARTICLES
Joseph R. Wilson, Ypsilanti, Mich., assignor to Margaret A. Wilson, Ypsilanti, Mich.
Application October 13, 1933, Serial No. 693,455
8 Claims. (Cl. 107—54)



1. The method which comprises, filling the cavity of a mold with a substantially fluid substance while maintaining the mold at a temperature of —40° F. or lower, whereby the same freezes into a solid, retaining the frozen substance in the cavity while maintaining the mold at said temperature until the same becomes loose from the mold walls, and then removing the frozen substance from the mold cavity while the mold is held substantially at said temperature.

2,044,895
RAILWAY CAR
William E. Wine, Toledo, Ohio
Application April 6, 1934, Serial No. 719,386
3 Claims. (Cl. 105—280)

1. A railway gondola car having a floor provided with a lading discharge opening, a door for closing said opening, and a door frame surrounding the opening comprising a plate-like portion secured to the under side of the floor, a plate-like portion spaced downwardly therefrom and a



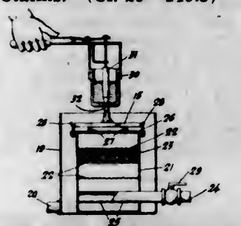
web substantially normal to the plane of the closed door connecting said plate-like portions, said door having a portion adapted to engage said downwardly spaced plate-like portion of the door frame when the door is in closed position.

2,044,896
ABRADANT HOLDER
Ingvard Bjornson, Los Alamitos, Calif.
Application February 28, 1934, Serial No. 713,329
16 Claims. (Cl. 15—209)



1. An abradant holder comprising a tubular container one end being beveled, a replaceable cartridge of abradant therein, a releasable means on the container to hold the cartridge in any desired position with respect to the length of the container, with the cartridge protruding from the beveled end.

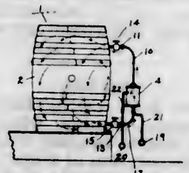
2,044,897
METHOD OF MAKING BRONZE BEARINGS AND BLANKS THEREFOR
Alfred L. Boegehold, Detroit, Alfred W. Schluchter, Dearborn, and Robin H. Terry, Detroit, Mich., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application May 12, 1933, Serial No. 670,658
9 Claims. (Cl. 29—149.5)



1. The method of making a bearing which consists in providing a shallow iron or steel tray having a side wall extending around the periphery thereof; heating said tray to a temperature corresponding approximately with that at which plastic bronze melts; supplying molten plastic bronze to said tray while said tray is at rest, the amount of plastic bronze supplied to said tray being in excess of the amount thereof upon a finished bearing made from the bottom wall of said tray; applying a cooling liquid to the bottom of said tray to thereby cool the same and the liquid plastic bronze contained therein rapidly from a temperature above the freezing temperature of said plastic bronze to a temperature below said freezing temperature while said tray is at rest;

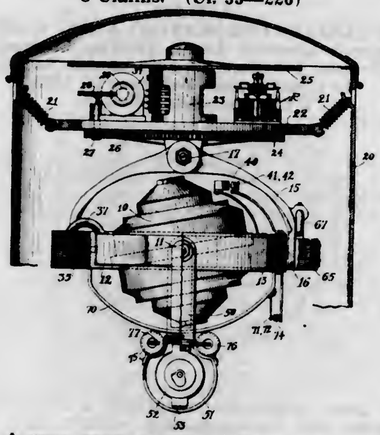
bending a strip formed from the bottom of said tray into curved form; and finishing said bent strip to make it into a bearing member.

2,044,898
ACCELERATED AGING OF DISTILLED LIQUORS
Wilbur A. Carrell, Pittsburgh, Pa.
Application May 5, 1934, Serial No. 724,053
2 Claims. (Cl. 202—78)



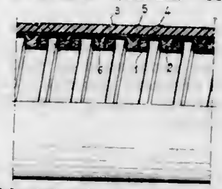
1. In the "aging" of distilled alcoholic liquor, the herein described method, which includes enclosing the liquor in the presence of charred wood in a plurality of independent unit containers, by-passing a column of liquor externally of each container between two levels in the body of liquor contained therein, heating a liquid, having a boiling point of at least 150° F., at a point safely removed from said containers, distributing the heated liquid and maintaining circulating streams thereof severally in thermal communication with said by-passed columns of liquor, and thereby raising the temperature of the confined bodies of liquor to approximately 120° F. and producing thermo-syphonic flow in the several bodies of liquor.

2,044,899
GYROSCOPIC COMPASS
Leslie F. Carter, Leonia, N. J., assignor, by mesne assignments, to Sperry Products Inc., Brooklyn, N. Y., a corporation of New York
Application July 16, 1931, Serial No. 551,138
8 Claims. (Cl. 33—226)



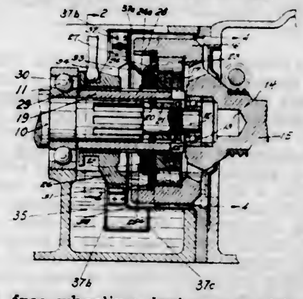
2. A gyro-compass comprising a non-pendulous gyro, a support mounting said gyro with three degrees of freedom including its spinning axis and and two mutually perpendicular tilt axes, means for maintaining the spinning axis of the gyro at a predetermined small inclination to the vertical, and means responsive to the component of angular movement relatively to said support of one tilt axis in the vertical plane there-through, for maintaining said last-mentioned tilt axis in the meridian and said spinning axis in the E—W vertical plane.

2,044,900
FLEXIBLE METAL TUBE
Rodolfo Debenedetti, Turin, Italy, assignor to Chicago Tubing & Braiding Company, Chicago, Ill.
Application February 25, 1931, Serial No. 518,209
In Italy March 3, 1930
5 Claims. (Cl. 138—58)



1. A flexible tube for conducting hydrocarbon liquids and the like comprising a flexible metal body formed from a metal strip wound in which helical convolutions interlock with each other and providing an outer helical groove, a layer of a cellulose derivative impervious to hydrocarbon liquids and the like positioned upon the outer surface of said body, corrugations in said layer corresponding to said groove in said metal body to provide flexibility of said layer and an external cover of rubber positioned about said layer.

2,044,901
FREEWHEELING DEVICE WITH AUTOMATIC CONTROL
Edwin R. Evans, Chicago, Ill.
Application August 16, 1933, Serial No. 685,382
13 Claims. (Cl. 192—48)

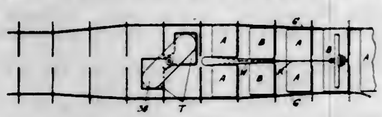


10. A free wheeling device comprising a driving member, a driven member, a set of rollers adapted to couple the driving member to the driven member said device having tapered pockets for the rollers, said pockets being so arranged that free wheeling will take place when the driven member over-runs the driving member, means including a series of oil retardable paddles for controlling the operation of the free wheeling device, and manual means for locking the free wheeling device out of operation.

2,044,902
LOAF FEEDING ATTACHMENT FOR BREAD WRAPPING MACHINES
Lester Ferenci, Brooklyn, N. Y., assignor to American Machine & Foundry Company, a corporation of New Jersey
Application May 19, 1934, Serial No. 726,600
13 Claims. (Cl. 146—72)

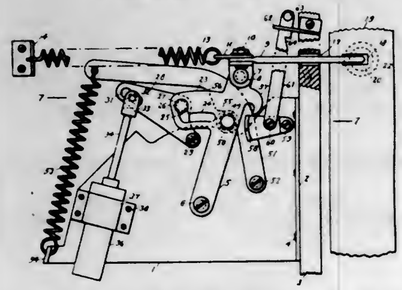
1. The combination with means for advancing sidewise a series of articles of alternately

different material, of a device for transversely cutting in half the articles advanced by said means, a turntable adapted to lift the diagonally opposite halves of a pair of successive articles in said series, rotate the halves one half revo-



lution and then return to its lower position so that the relative positions of the halves on said turntable will be exchanged in said series with their cut faces adjacent the cut faces of halves of different material, and mechanism for operating said turntable.

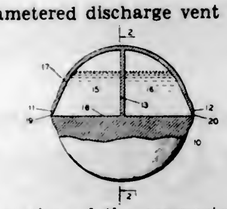
2,044,903
AUTOMOBILE DOOR CONTROL
Eugene Grieshaber, Glendale, N. Y.
Application August 1, 1935, Serial No. 34,154
5 Claims. (Cl. 16—70)



1. In an automobile door control, the combination of a frame supported in a door structure, a link slidably fitted in the adjacent stationary and movable portions of said door structure, an enlargement on the end of said link, a lever rotatively mounted on said frame, the end of said lever being pivotally connected to the other end of said link, a spring adapted to turn said lever and to pull said link, said enlargement on the link being adapted to engage the outer of said door portions only when said link is being pulled, and being further adapted to slide freely in said door portions when said door is being manually closed, a dash pot with a piston mounted on said frame, a second lever rotatively mounted on said frame, one end of said second lever being operatively connected with said piston, operative connection between said levers, said first lever being adapted during the first portion of its door closing movement to move said piston through said second lever, said connection between the levers being adapted to become inoperative during the second portion of the door closing movement, a supplementary spring, and means to render said supplementary spring operative during said second portion of the closing movement of the first lever.

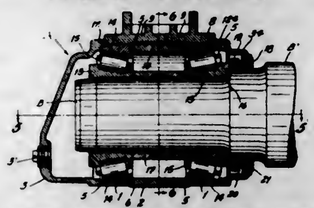
2,044,904
SANITARY DOORKNOB
Max Heisig, Brooklyn, N. Y.
Application March 12, 1935, Serial No. 10,599
15 Claims. (Cl. 292—347)

15. A hollow door knob having therein a compartment forming a reservoir for a body of liquid, a small diametered discharge vent leading from



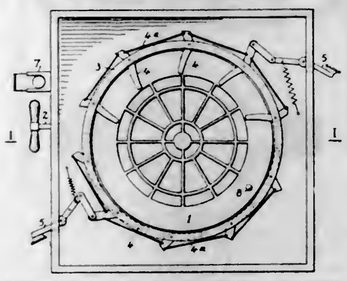
the lower portion of the compartment and the compartment being otherwise closed.

2,044,905
JOURNAL BOX CONSTRUCTION
Homer L. Hexamer, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio
Application November 26, 1934, Serial No. 754,726
7 Claims. (Cl. 308—180)



1. A roller bearing journal box construction comprising two roller bearing outer raceway members, a spacing member disposed between said raceway members, closure members at the remote ends of said raceway members, and means for rigidly securing said members together in endwise alinement to form the journal box, said spacing member forming the top, bottom and sides of the journal box between said raceway members.

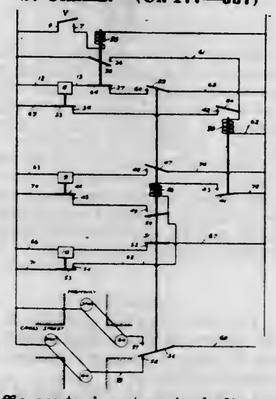
2,044,906
APPARATUS FOR PLAYING A NEW GAME
Stuart Llewelyn Jarvis, London, England
Application February 29, 1936, Serial No. 66,462
In Great Britain February 16, 1935
5 Claims. (Cl. 273—118)



5. Game apparatus comprising a horizontally rotative disc having scoring sections upon the central portion of its surface and an annulus having a plane upper face surrounding the said scoring sections, a fixed barrier about the periphery of the disc, a plurality of fingers mounted around the periphery of the disc for swinging movement in a substantially horizontal plane across the plane surface of the annulus, and manually operable means for actuating said fingers to project them into the path of movement of a

game piece that is being carried around by the disc in its rotation, and to engage said game piece throughout varying angular positions of the said fingers to thereby vary the extent of the engagement of the game piece by the fingers.

2,044,907
TRAFFIC CONTROL SYSTEM AND APPARATUS
Frederick Griffen Kelly, Jr., New Haven, Conn., assignor to The Engineering and Research Corporation, New Haven, Conn., a corporation of Connecticut
Application April 23, 1930, Serial No. 446,479
27 Claims. (Cl. 177—337)



1. A traffic control system including, signalling means regulating the flow of vehicles over two intersecting traffic lanes, a vehicle actuated control, a timer connected to said control and to said signalling means, said timer operating in response to actuation of said control to transfer right of way from one to the other lane, and means forming a part of said timer and functioning in response to actuation of said control and during said right of way period to compel said right of way to endure in favor of the lane in which said control is situated, for an amount of time inversely proportional to the speed of a vehicle causing said last mentioned actuation.

2,044,908
METALLURGICAL SCAVENGER AND METHOD OF MAKING SAME
Charles J. Kinzie, Niagara Falls, N. Y., assignor to The Titanium Alloy Manufacturing Company, New York, N. Y., a corporation of Maine
No Drawing. Application December 2, 1933, Serial No. 700,731
18 Claims. (Cl. 75—58)

1. A method of making metallurgical scavengers containing a carbide of a metal of the group consisting of titanium and zirconium mixed with another metal as major ingredients thereof, which comprises intimately mixing said ingredients in finely-divided form with a bonding agent to form a coherent mass of moldable consistency, and then briquetting same.

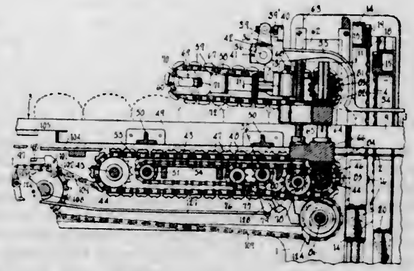
2,044,909
KNITTED FABRIC GLOVE AND METHOD OF MANUFACTURING THE SAME
Charles R. Kovar, Richmond Hill, N. Y., assignor to Julius Kayser & Company, Brooklyn, N. Y.
Application September 12, 1935, Serial No. 40,207
4 Claims. (Cl. 2—159)

1. A glove cut from knitted fabric to provide a top body section, a bottom body section having a thumb opening cut therein, a thumb section adapted to be affixed to said bottom body section about said thumb opening, and finger sections extending from both the top section and the bottom section as a continuation thereof, all of said sections having cut raw edges; overseaming stitches securing the cut raw edges of the top body and finger sections thereof to the cut raw edges of the bottom section and finger sections extending therefrom and for securing the cut raw



edges of the thumb section to the cut raw edges about said thumb opening, and plain sewed stitches cooperating with said overseaming stitches binding said edges together, said plain sewed stitches being arranged in close spaced relation with the cut raw edges of the sections, and said overseaming stitches binding together the rows of complete loops and rows of cut loops at the edge of the fabric to the rows of complete loops immediately adjacent said plain sewed stitches.

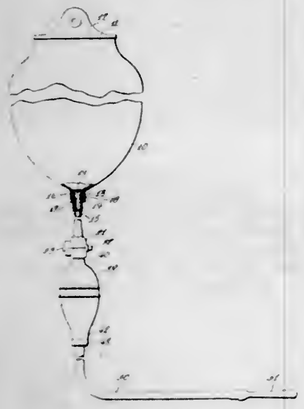
2,044,910
SLICING MACHINE
Carl Littlefield, Battle Creek, Mich., assignor to Battle Creek Bread Wrapping Machine Company, Battle Creek, Mich.
Application March 2, 1934, Serial No. 713,678
39 Claims. (Cl. 146—153)



1. In a slicing machine, the combination of cutter means comprising a plurality of reciprocating blades, a slicing table slotted to receive the blades, guide members adjustably mounted on said table and having their forward ends disposed between selected blades, said guide members being provided with longitudinal ribs on their inner sides, a bottom feed conveyor disposed to deliver to said slicing table and comprising coacting chains and sprockets and slats carried by the chains, the faces of the slats being longi-

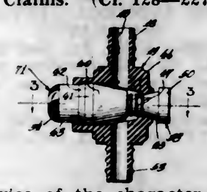
tudinally ribbed, a driven shaft for the rear sprockets of said bottom conveyor, side bars operatively associated with said bottom conveyor disposed with their rear ends adjacent the forward ends of said guide bars on said slicing table, a top conveyor comprising spaced sprocket chains and coacting sprockets and slats carried by the chains, the slats having rounded faces, vertically adjustable slides provided with brackets having journals for the rear sprockets of the top conveyor, supporting frames for the forward sprockets of said top conveyor tiltably mounted on said journals, adjusting screws for said top conveyor frames, adjusting screws for said slides having gears on their lower ends, an adjusting shaft for said top conveyor provided with gears coacting with said gears on said adjusting screws whereby the slides are simultaneously adjusted, and vertical top conveyor driving shafts having gear connections with said driven shaft of said bottom conveyor and having gears splined thereto coacting with gears connected to the rear sprocket of said top conveyor.

2,044,911
FOUNTAIN SYRINGE
Thomas W. Miller, Ashland, Ohio, assignor to The Faultless Rubber Company, Ashland, Ohio, a corporation of Ohio
Application July 1, 1932, Serial No. 620,416
12 Claims. (Cl. 128—227)



6. A device of the character described, comprising: a valve body, having a fluid conduit extending therethrough, and having a valve bore intersecting said conduit and traversing said body; a shiftable valve member, disposed within said bore, and having operative portions extending outwardly from the ends of said bore, and on opposite sides of said body, so that said member may be shifted in one direction by operation on one of said portions to establish communication through said conduit, and in the other direction by operation on the other of said portions to interrupt communication through said conduit; and force means communicating with said valve body and operable to increase the velocity of fluid flow through said conduit, said force means being disposed adjacent said operative portions so that one hand of a user may operate said valve member without removal from said force means.

2,044,912
FOUNTAIN SYRINGE
Thomas W. Miller, Ashland, Ohio, assignor to The Faultless Rubber Company, Ashland, Ohio, a corporation of Ohio
Application February 8, 1933, Serial No. 655,690
7 Claims. (Cl. 128—227)



1. In a device of the character described, a valve housing of rigid material having a conduit, and having a bore intersecting said conduit and provided with valve seat means, and valve mechanism disposed in said bore and cooperable with said seat means, shiftable in one direction to open passage through said conduit, and shiftable in an opposite direction to close passage through said conduit, said valve mechanism being of two part construction, said parts being insertable from opposite sides of said bore and telescopically engaged and thus held in assembled relation.

2,044,913
FLUID CENTER ARTICLE
Thomas W. Miller, Ashland, Ohio, assignor to The Faultless Rubber Company, Ashland, Ohio, a corporation of Ohio
Application September 19, 1933, Serial No. 690,116
11 Claims. (Cl. 273—65)

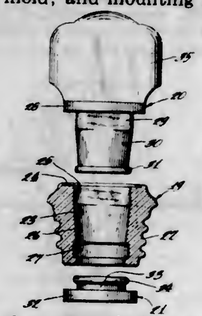


1. A fluid center article, comprising: an envelope having its wall interrupted to define an apertured gap portion adapted to be closed by tubular means, said means being retrovertibly telescopic and having communication with the interior of said envelope, and closing said apertured gap portion, said tubular means being extensible to the exterior of said envelope for inflating purposes and being retrovertibly telescopically retractable through said gap to the interior of said envelope, said tubular means being formed of resilient material biased to retain either its extended or retracted positions; said apertured gap portion being cooperable with said tubular means for closing communication with said envelope when said tubular means is retracted.

2,044,914
BOTTLE STOPPER
Thomas W. Miller, Ashland, Ohio, assignor to The Faultless Rubber Company, Ashland, Ohio, a corporation of Ohio
Application October 29, 1934, Serial No. 750,482
11 Claims. (Cl. 18—59)

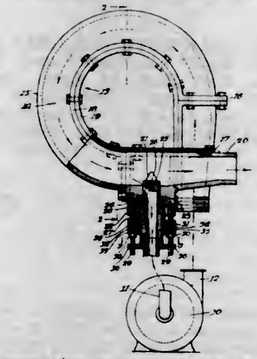
1. A bottle-stopper, comprising: a body, provided at its inner end with a projecting skirt; and a sealing member, overlying said inner end, and including a portion projecting within said skirt and interengageable therewith, said portion serving to hold said member assembled with said body.

9. The method of forming a screw-threaded bottle stopper, which comprises: placing plastic material in a mold having a single section cut to form the entire stopper screw-threads; acting on said material to form a partially vulcanized molded tubular member provided with screw-threads on its outer surface; stripping said member from said mold; and mounting said member



on a stopper body, on a projecting portion of said body, with said tubular member surrounding said portion; and further vulcanizing said member in open heat, to convert said member into hard-vulcanized condition and to secure said member in position on said body, without deformation of said screw-threads.

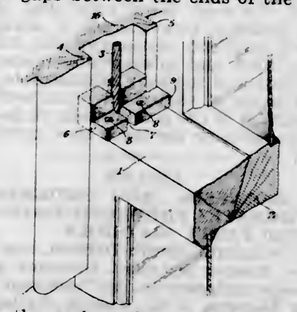
2,044,915
SEPARATING DEVICE
Alfred J. Mosley, Aurora, Ill.
Application August 9, 1933, Serial No. 684,372
4 Claims. (Cl. 209—144)



1. In a separator, a curved tube having a V-shaped section, the contracted portion being outward with reference to the curvature and having a lateral outlet at the apex of the V-shaped section, a boss surrounding the outlet, a discharge tube projecting through the boss and having a closure for its inner end and a lateral opening adjacent thereto, and means for adjustably securing the tube to the boss.

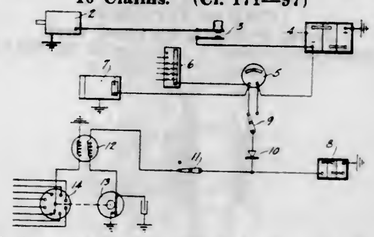
2,044,916
DRAFT ELIMINATOR FOR WINDOWS
Theodore W. Neumuth, Richmond Hill, N. Y.
Application July 17, 1935, Serial No. 31,831
1 Claim. (Cl. 20—52.4)

A draft eliminator for sliding window sashes, consisting of a cover of suitable material, attached to each end of the top sash rail adjacent to the sash cord and the sash casing, said cover surrounding the cord at least half way and extending between the lateral sash guides and the parting strip and across the parting strip to cover the gaps between the ends of the top sash



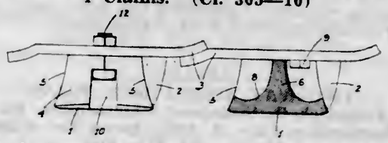
rail and the sash casing and the guides, said cover having upwardly extending lugs closely adjacent to the sash guide strip and the parting strip, and the sash frame.

2,044,917
STARTING AND IGNITION SYSTEM FOR EXPLOSIVE ENGINES
Rodney G. Richardson, Chicago, Ill.
Application May 5, 1932, Serial No. 609,344
10 Claims. (Cl. 171—97)



10. In a system comprising a source of current and two load circuits connected thereto in parallel, the load in the second circuit being intermittent and relatively heavy, the method of preventing the application of the heavy load from lowering the potential supplied to the other load due to the existence of the parallel connection, which consists in providing a second current source, in supplying current to the said other load from said second source when the heavy load is on, or from both sources in parallel, depending on wheher the heavy load lowers the potential of said first source or not, and in preventing said second source from supplying any current to the heavy load.

2,044,918
STREET PLATE FOR TRACK TYPE TRACTORS
Theodore G. Schmeiser, Fresno, Calif.
Application December 9, 1935, Serial No. 53,503
4 Claims. (Cl. 305—10)



1. A street plate for a tractor track shoe, said shoe comprising a substantially flat member and a cleat projecting outwardly therefrom, said

street plate comprising a body to rest on said track member and extend transversely thereof in abutting relation to the cleat on one side, the depth of the body being such that the outer ground engaging face thereof is outwardly of the cleat; said end portions of the body being relatively thick and substantially rectangular in cross section and the body intermediate said end portions being T shaped in cross section, and bolts mounted in the end portions of the body to secure the same on the track shoe member.

2,044,919

LIME, MAGNESIA- AND ACID-RESISTING SULPHONATES PRODUCED FROM UNSATURATED FATTY ALCOHOLS

Walther Schrauth, Berlin-Dahlem, and Richard Hueter, Rosslau in Anhalt, Germany, assignors, by mesne assignments, to "Unichem" Chemikalien Handels A.-G., Zurich, Switzerland, a corporation of Switzerland

No Drawing. Application May 2, 1932, Serial No. 608,346. In Germany May 2, 1931

10 Claims. (Cl. 260—99.12)

1. A process for the production of soap-like products, comprising the gradual addition of unsaturated fatty alcohols to concentrated sulphuric acid which is pre-cooled to a temperature only slightly above the melting-point of the alcohols.

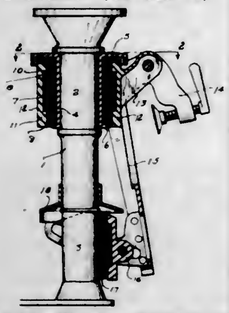
2,044,920

ENGINE SUPPORT

James P. Smith, Portland, Oreg.

Application August 5, 1933, Serial No. 683,742

1 Claim. (Cl. 248—4)



A pivotal and resilient supporting means for an outboard engine, said means comprising a vertically disposed circular housing swingably mounted to a bracket, annular shoulders formed on the inner periphery of said housing, a resilient facing securely mounted within said housing and to said shoulders, said facing extending upwardly and outwardly over the upper surface of said housing, a fixed bearing embraced by said resilient facing and provided with flanges at its upper and lower ends, the flanges at the upper end of said bearing extending outwardly over the upper end of said resilient facing, whereby said bearing is cushioned in a fixed relation to said housing, said bearing rotatably supporting the drive shaft casing of said engine and its related parts.

2,044,921

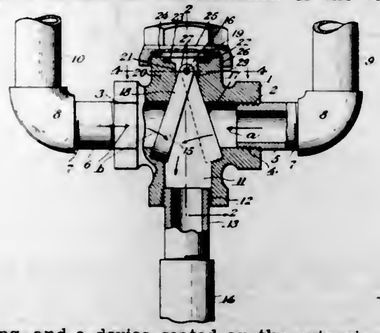
TWO-WAY HOSE CHECK VALVE

Frederick O. Swanland, Philadelphia, Pa.

Application July 17, 1935, Serial No. 31,895

1 Claim. (Cl. 251—118)

In a two-way hose check valve, a valve casing having diametrically opposite aligned inlets and an outlet extending at right angles from and intermediate the inlets, said valve casing having downwardly divergent valve seats, said valve casing having an extension diametrically opposite the outlet, said extension having a passage adjoining to and extending from the valve seats, a swing check valve fulcrumed in said passage and adapted to close against either of the valve seats, a bonnet on the extension of the valve



casing, and a device seated on the extension of the valve casing and held in place by said bonnet and provided with a bifurcated tongue extending into said passage and straddling the pivoted end of the check valve with the walls formed by the bifurcation disposed in alignment with the valve seats and contacted by the check valve when engaging the seats to prevent leakage around the pivoted end of the check valve.

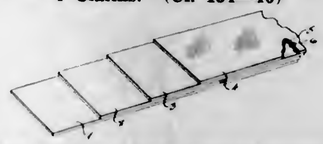
2,044,922

METALLIC LEAF WITH FLEXIBLE BACKING

Donald D. Swift, Hartford, and Harold E. Roberton, East Hartford, Conn., assignors to M. Swift & Sons, Incorporated, Hartford, Conn., a corporation of Connecticut

Application November 30, 1934, Serial No. 755,322

4 Claims. (Cl. 154—46)



4. In a gold leaf sheet having a carrier strip, a coat of releasable composition thereon, and a layer of gold leaf on said coat, a flexible backing on said layer consisting of a plastic sheet formed of a mass of comminuted particles of yellow ochre which are bonded together by an adhesive.

2,044,923

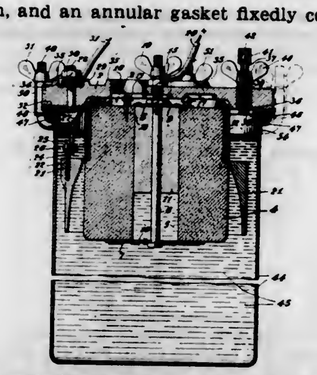
BATTERY

Harrison G. Thompson, Montclair, and Dow B. Hughes, Union City, N. J., assignors to Le Carbone Co., Gennevilliers, Seine, France, a corporation of France

Application November 6, 1930, Serial No. 493,782

8 Claims. (Cl. 136—86)

1. For a battery having a liquid electrolyte, a replaceable unit which is self-sealing to the cover of the battery, comprising: a coherent piece of carbon to be partially immersed in the electrolyte, a protective jacket of solid inert material closely embracing the upper portion of the carbon and projecting above the carbon, cement hermetically sealing the jacket to the carbon, and an annular gasket fixedly cemented



to the projecting portion of the jacket and also to the adjoining surface of the carbon.

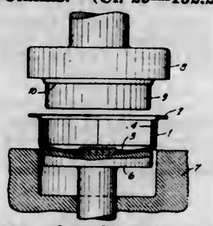
2,044,924

PROCESS OF MAKING BRAKE DRUMS

Henry H. Timken, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a corporation of Ohio

Application January 5, 1934, Serial No. 705,326

8 Claims. (Cl. 29—152.2)



1. The process of making lined brake drums which comprises pressing a sheet of steel into the form of a cylindrical shell with an outturned annular flange at one end and an inturned annular flange at the other end, fitting a rolled steel liner member in the shell portion thereof, said liner member having rolled in its engaging surface areas of slightly different thickness from the lands adjacent thereto in axial and circumferential directions and then tightly engaging said members together by a drawing operation whereby radial pressure is applied to one of said members throughout its entire circumference at one time sufficient to cause plastic flow of the metal, the entire flow producing pressure being radial.

2,044,925

DETECTOR

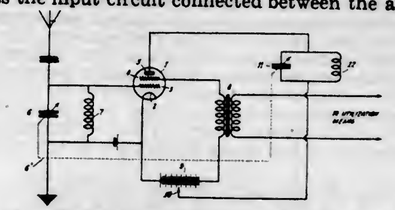
Romyn Veldhuyzen, Eindhoven, Netherlands, assignor to Radio Corporation of America, a corporation of Delaware

Application August 19, 1931, Serial No. 557,991

In the Netherlands January 16, 1931

3 Claims. (Cl. 250—27)

1. The combination in a receiving circuit of an electron discharge tube having a cathode, a control grid, an anode and a screen grid interposed between said control grid and anode, means for impressing suitable potentials on the screen grid and anode, the screen grid potential being of a higher value than that of the anode, an input circuit tunable to the signal frequency connected between the control grid and cathode a second circuit tunable to the same frequency as the input circuit connected between the anode



and cathode, and output coupling means connected to the screen grid.

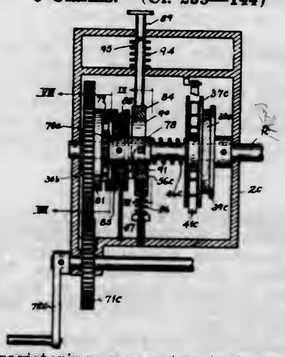
2,044,926

REGISTERING APPARATUS

James W. Welch, Oakland, Calif., and Raymond P. Suess, Pittsburgh, Pa., assignors of three-fifths to Bessie E. Welch, Oakland, Calif., one-fifth to Adina C. Munhall, Pittsburgh, Pa., and one-fifth to Screw Machine Specialty Company, a corporation of Delaware

Application November 10, 1931, Serial No. 574,106

9 Claims. (Cl. 235—144)



1. In registering apparatus including a calibrated face, an index, a gear, and a shaft in response to whose rotation in either direction said index correspondingly turns, the combination of means connecting said shaft with said gear during continuous rotation of the gear in one direction or oscillatory rotation in opposite directions for rotating said shaft clockwise, said connections comprising a ratchet and pawl, energy-storing means adapted to be energized by clockwise rotation of said shaft and when energized tending to rotate said shaft counterclockwise, frictional connections between said energy-storing means and said shaft, whereby the quantity of energy stored in said means lies within a limited value regardless of the number of clockwise rotations of said shaft, and means for releasing said shaft to the influence of said energy-storing means.

2,044,927

REMOTE CONTROL FOR RADIO RECEIVERS

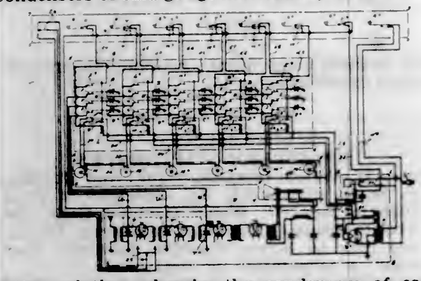
Halstead W. West, Detroit, Mich.

Application February 27, 1933, Serial No. 658,809

6 Claims. (Cl. 250—40)

1. An attachable organized unit control for radio receiving apparatus having a plurality of tunable circuits comprising a series of gangs of variable condensers, each gang having a plurality of simultaneously variable individual condensers corresponding in number to the number of dis-

tinct tuned circuits of the apparatus, the variable capacity of each condenser being insufficient to cover the full wave band of the instrument but the cumulative capacity of the corresponding condensers of the gangs being more than sufficient for that purpose, means introducing a relatively small amount of non-variable capacity, for simultaneously electrically connecting or disconnecting in their respective circuits the corresponding condensers of said gangs individually or in cumu-



lative relation whereby the condensers of each gang individually or in cumulative relation to those of one or more other gangs may be pretuned to a capacity corresponding to a selected wave length within the band to thereby form a series of pre-tuned capacities corresponding to alternatively selectable wave lengths, and electrical means for operating said connecting and disconnecting means including relays in distinct and non-interfering electrical control circuits.

2,044,928

MECHANISM FOR INTERMITTENTLY OPERATING A MEMBER OR ELEMENT

George Armstrong Williamson, High Wycombe, and Percy Holmes and James Blackwood, Southall, England, assignors to The Firestone Tire and Rubber Company, Akron, Ohio, a corporation of Ohio

Application May 10, 1934, Serial No. 724,986
In Great Britain May 12, 1933
11 Claims. (Cl. 74—117)



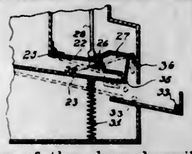
1. Mechanism for intermittently operating a member comprising variable cam means, a support for said variable cam means operatively connected to said member, a reciprocable headpiece adapted to contact with and move said cam means bodily during parts of its reciprocatory movement and means for operating said variable cam means during another part of the reciprocatory movement of the headpiece to vary the part of said cam means contacted by said headpiece.

2,044,929

TOOTHPICK DISPENSER

John L. Young, Chicago, Ill.

Application January 16, 1935, Serial No. 2,091
2 Claims. (Cl. 312—83)



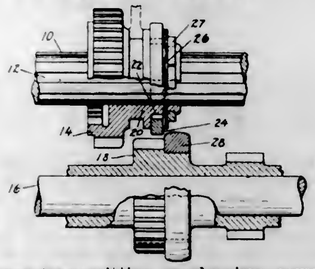
1. In a device of the class described, a casing, a magazine for holding tooth picks in said casing, a chute, said chute being hinged to said magazine, a plunger for vibrating said chute, a tray at the termination of said chute for collecting said tooth picks, said chute comprising upper and lower wall members, a swinging element attached to said upper wall member, said element adapted to admit the tooth picks in said tray when raised up and to shut off the supply when moved downwardly.

2,044,930

SYNCHRONIZED DRIVING MECHANISM

Joseph Zubaty, Prague, Czechoslovakia

Application December 11, 1933, Serial No. 701,813
8 Claims. (Cl. 74—339)



1. Power transmitting mechanism comprising, in combination, a pair of rotatable cooperative power transmitting members relatively axially movable into and out of driving engagement, a friction element associated with each member and normally rotatable therewith, said friction elements positioned and dimensioned to be brought into frictional contact during relative movement of said members toward driving engagement and prior to such engagement, one of said elements being resistingly shiftable under pressure against the other element to rotate to an unlimited extent eccentrically and relatively with respect to its power transmitting member to permit driving engagement of said power transmitting members.

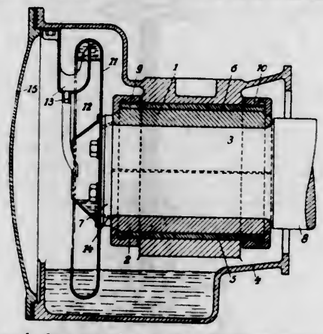
2,044,931

AXLE BEARING

Victor Alexander Bary, Hendon, London, England

Application August 8, 1932, Serial No. 627,901
In Germany August 12, 1931
4 Claims. (Cl. 308—40)

1. An axle bearing comprising in combination a one-piece axle box housing having a hollow cylindrical aperture, an axle journal including a collar and an enlarged part, a multi-part axle box arranged between the collar and the enlarged part, a one-piece annular cylindrical sleeve on the said multi-part axle box for holding the parts of the axle box together, the said axle box and the



said sleeve being carried in the hollow cylindrical aperture of the housing, annular stops on said sleeve which are arranged at the side of the collar and the enlarged part and bear against the end faces of the housing part which forms the hollow cylindrical aperture.

2,044,932

METHOD OF CUTTING PLASTIC MATERIAL AND TOOL THEREFOR

James D. Blackall, Watertown, Mass., assignor to Hood Rubber Company, Inc., Watertown, Mass., a corporation of Delaware

Application June 8, 1934, Serial No. 729,725
9 Claims. (Cl. 164—29)



2. A cutter for plastic sheet material comprising a frame, a cutting blade mounted thereon, and a second cutting blade mounted thereon, the cutting edge of the second blade being so closely positioned laterally of the edge of the first that when the blades are pressed into the material transverse bulging of the material at the zone of cutting of the first blade is resisted by the second blade.

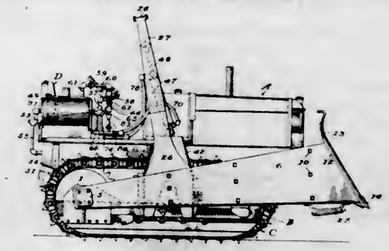
2,044,933

SCRAPER OR GRADER

Harry C. Buffington, Springfield, Ill., assignor to The Baker Manufacturing Company, Springfield, Ill., a corporation of Illinois

Application June 2, 1933, Serial No. 674,111
16 Claims. (Cl. 37—144)

11. A machine of the character described, including in combination with a tractor having track frames, side push beams pivotally connected to the track frames, a road implement carried by the push beams, and hydraulic means for pivotally raising and lowering the push beams, said hydraulic means including a pair of hydraulic cylinders and pistons operatively establishing hydraulic connection between each of said push beams and their corresponding track frames at points forward of the tractor axle, said pair of hydraulic cylinders being communicatively interconnected and with their associated pistons oper-



atively functioning to permit movement of said track frames in going over uneven ground without affecting the position of the push beams and road implement relative to their horizontal side to side alignment with the tractor body.

2,044,934

INSECTICIDAL SPRAY MATERIALS

William S. Calcott, Pennsgrove, N. J., and Wendell H. Tisdale and Albert L. Flenner, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application March 30, 1934, Serial No. 718,206
8 Claims. (Cl. 167—22)

1. An insecticidal spray material comprising an aqueous liquid having incorporated therein a compound of the type:

RmPbXn

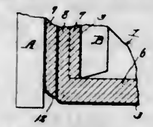
wherein R represents an unsubstituted hydrocarbon radical, X represents an acid radical, *m* represents at least 2, *n* represents at least 1, and *m* plus *n* equals 4.

2,044,935

PAPER BOX AND METHOD OF MAKING THE SAME

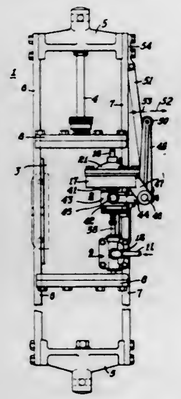
Clarence Lloyd Claff, Randolph, Mass.

Application June 13, 1935, Serial No. 26,479
1 Claim. (Cl. 93—36.6)



The method of forming a paper box which includes the step of shaping a blank made up of a thickness of paper board having one surface coated with finishing paper, pinching the blank to slit it and provide side wings and foldable end flaps and to also partly compress the material at the sides of the slit so as to draw the finishing paper a sufficient distance to partly conceal the raw edges of the end folds, thereafter folding the blank to position the end flaps astride the side wings, and subsequently subjecting the wings and the folded end flaps to final overall compression to reduce the overall thickness thereof and move the offset portions of the finishing paper into positions to substantially conceal the adjacent edges of the paper board.

2,044,936
RECEIVING REGULATOR AND CONTROL APPARATUS THEREFOR
Robert R. Donaldson, Jr., Pittsburgh, Pa., assignor to John M. Hopwood, Dormont, Pa.
Application September 16, 1933, Serial No. 689,745
4 Claims. (Cl. 121—41)

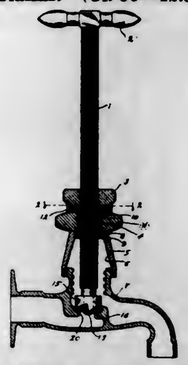


1. In combination a regulator comprising a cylinder having a piston working therein, a movable frame carried by the piston, and a pilot valve having raise and lower "on" positions and an "off" position for controlling the admission of motive fluid to the cylinder and the direction of travel of the piston, of a pressure sensitive diaphragm having a thrust member secured thereto and connected to the valve stem of the pilot valve, a crank arm carried by the cylinder, a socket carried by said arm, a compression spring having one end in said socket and the other end bearing against the diaphragm thrust member, an inclined bar carried by the regulator frame and a crank arm connected at one end to the spring socket crank arm and having a roller at the other end running on said inclined bar, said inclined bar acting to turn said crank arms in such direction as to shift the spring socket and adjust the spring tension by such amounts as to effect a return of the valve to "off" position each time the piston has moved the regulator frame a predetermined distance as the result of movement of the pilot valve to one of its "on" positions in response to a change in pressure impulses acting on the diaphragm.

2,044,937
COTTON FABRIC AND PROCESS
Warner Eustis, Newton, and Joseph E. Noonan, Walpole, Mass., assignors to The Kendall Company, Boston, Mass., a corporation of Massachusetts
No Drawing. Application January 25, 1935, Serial No. 3,532
10 Claims. (Cl. 19—155)

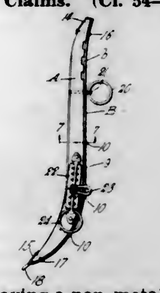
1. As a new article of manufacture, a mass of unorganized, tangled, dry-assembled cotton fibres substantially free from natural waxes and oils but otherwise physically substantially normal, constituent fibres of which are crushed together at points of crossing to produce fibre-to-fibre bonds which unite the mass into a self-sustaining strip.

2,044,938
VALVE RESEATING TOOL
Lewis D. Ferrell, Cleveland, Ohio
Application April 4, 1934, Serial No. 718,968
2 Claims. (Cl. 90—12.5)



2. In a valve reseating tool, the combination of a threaded spindle, a pair of nuts threadably engaging said spindle, one of said nuts rotatably carrying a threaded means adapted for attachment to the valve casing, and a washer composed of compressible material positioned between said pair of nuts, whereby the frictional engagement of said nuts with said spindle may be adjustably varied.

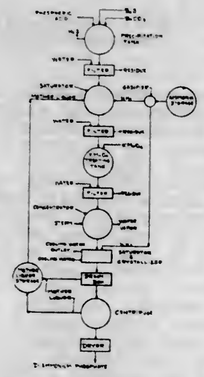
2,044,939
HAME
John M. Glaser, Buffalo, N. Y., assignor to U. S. Hame Company, Buffalo, N. Y.
Application July 19, 1934, Serial No. 736,015
7 Claims. (Cl. 54—25)



1. A hame having a non-metallic body provided with a mortise extending lengthwise thereof, a reinforcing strip secured to a side of the hame body and having a flange extending into said mortise, and a web extending parallel to said side, said flange being folded flatly against said web at an end of said hame and the end portion of said strip with said folded flange being bent across the end of said body portion.

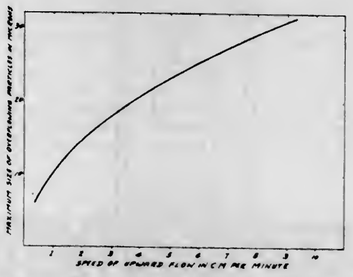
2,044,940
PREPARATION OF A SOLUBLE PHOSPHATE
Ivan Lyle Haag, Lakewood, and William Richard Devor, East Cleveland, Ohio, assignors to The Grasselli Chemical Company, Cleveland, Ohio, a corporation of Delaware
Application November 25, 1933, Serial No. 699,746
14 Claims. (Cl. 23—107)

3. In a process of making diammonium phosphate from technical phosphoric acid, the steps comprising: adding barium sulfide and a barium compound of the group comprising barium carbonate, barium phosphate, and barium hydroxide to the acid, filtering the solution from precipitated impurities, adding mother liquor from a previous treatment, ammoniating to about one-eighth of the way from the mono to the di-stage, filtering the phosphate solution from precipitated impurities, treating the phosphate solution with a permanganate at boiling temperature, filtering the solution from precipitated impurities, concentrating the phosphate solution, ammoniating to the diammonium stage, crystallizing the diammonium phosphate from the solution, and returning the mother liquor from which the crystals have been removed to the partly purified phosphoric acid.



11. In a process for removing manganese and organic matter from an ammonium phosphate solution containing at least one of the same, the said solution being not substantially more acidic than monoammonium phosphate, the step comprising adding thereto an alkali metal permanganate.

2,044,941
TITANIUM OXIDE PIGMENT OF FINE TEXTURE
Marion L. Hanahan, East Orange, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, a corporation of Delaware
Application August 7, 1931, Serial No. 555,770
3 Claims. (Cl. 134—58)

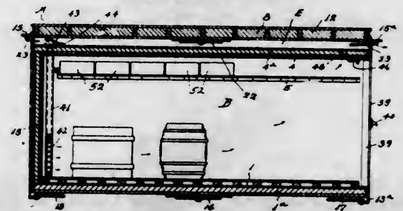


1. A pigment consisting of heat-treated titanium dioxide which is free from more than a trace of particles above 6 microns in size.

2,044,942
PREPARATION OF FINELY DIVIDED CALCIUM SULPHATE
Winfield W. Heckert, Ardentown, Del., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, a corporation of Delaware
No Drawing. Application March 27, 1935, Serial No. 13,223
4 Claims. (Cl. 23—122)

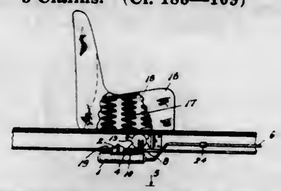
1. In a process of preparing calcium sulphate in an aqueous medium the step of forming said calcium sulphate in the presence in said aqueous medium of a wetting agent selected from the group consisting of sulphuric acid reaction products of aliphatic alcohols containing at least 8 carbon atoms and alkyl naphthalene sulphonates in which the alkyl group contains at least 3 carbon atoms.

2,044,943
COOLING OR REFRIGERATING BODY
Joseph M. Hill, Cleveland, Ohio, assignor of one-half to Henry S. Narten and Robert J. Van Stone
Application January 15, 1935, Serial No. 1,939
12 Claims. (Cl. 62—17)



3. A cooling vehicle body for transportation of articles to be maintained cool or refrigerated, the same comprising a body structure including a base, side walls, and a top forming an enclosing chamber, an enclosing unit for said body structure consisting of side walls spaced from the side walls of the body structure, and a top spaced from the top of the body structure, doors for the spaces between the side walls of the enclosing unit and the body structure, operating mechanism for simultaneously opening and closing said doors, doors for the front and rear ends of the spaces between the tops of the body structure and enclosing unit, and operating mechanism for simultaneously opening and closing the latter mentioned doors.

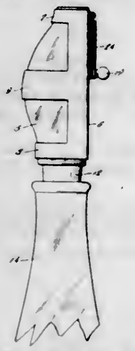
2,044,944
AUTOMATIC BRAKE MECHANISM
Charles B. House, Klamath Falls, Oreg.
Application October 19, 1934, Serial No. 749,108
5 Claims. (Cl. 188—109)



1. In brake mechanism of the class described, in combination, a seat constituting an operator's station, and on which the operator may be seated, brake applying and releasing mechanism, a control device for said brake applying and releasing mechanism, means for urging the control device

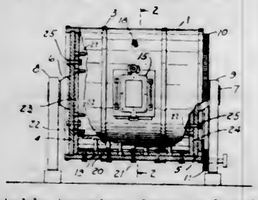
to brake releasing position, flexible connecting means between the said seat and said control device whereby when the weight of the operator is received upon the seat the brake mechanism will be released, and means whereby when the weight of the operator is removed from the seat the said brake mechanism will be applied, the said connecting means extending from the control device to the seat and being operable to produce slack therein incident to compressive force upon the seat.

2,044,945
DOSER
Robert Lee Humbard, Lake Arrowhead, Calif.
Application June 27, 1935, Serial No. 28,725
5 Claims. (Cl. 221—147)



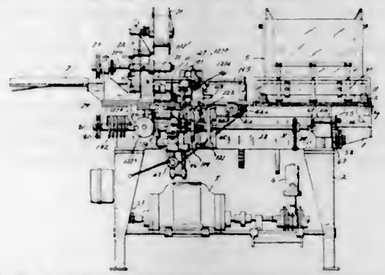
1. A doser of the character described comprising a transparent receptacle having at least one flat side, a jacket for the receptacle having a flat side disposed adjacent to the flat side of the receptacle, and straps encircling the receptacle adjacent the upper and lower ends thereof and intermediate said ends respectively, said receptacle being open at each end thereof, a cork fitted in one end of the receptacle and having a passage therethrough, a valve guide fixedly mounted within the receptacle, a valve stem operating through said guide, a valve cork on one end of the stem for controlling the open upper end of the receptacle, a valve cork on a relatively opposite end of the stem for controlling the passage through the first named cork, and means operable externally of the receptacle for shifting said stem.

2,044,946
LEATHER TANNING
Charles Kannel, Cleveland, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a corporation of Delaware
Application November 22, 1934, Serial No. 754,211
2 Claims. (Cl. 149—11)



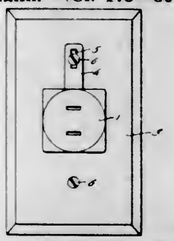
1. A rotatable tanning drum a head of which is provided with projections no less than about three inches long for preventing a deleterious contact of the head with hides.

2,044,947
CIGAR WRAPPING AND BANDING MACHINE
Alfred W. Kath, Detroit, Mich., assignor to Arthur Colton Company, Detroit, Mich., a corporation of Michigan
Application October 23, 1933, Serial No. 694,894
28 Claims. (Cl. 93—2)



1. In a cigar wrapping machine, the combination with a mechanism for wrapping an individual cigar during each successive cycle of operation, of means for advancing a row of parallelly arranged cigars, a stop for arresting movement of the advance cigar in the row, a holder for a cigar above and in registration with the cigar engaging said stop, an elevator for moving the cigar in engagement with the stop into engagement with said holder, mechanism for intermittently reciprocating said holder to transfer the cigar therein to a position in operative relation to the wrapping mechanism, and having a movement equal to the length of a wrapper for the longest cigar, a continuously operating variable feeding mechanism for advancing during each cycle of the machine a strip of wrapping material an amount equal to a wrapper of predetermined length, means actuated by the forward movement of said reciprocating holder for advancing therewith the end portion of said wrapper strip as far as permitted by said continuous feed mechanism, means operating during the period of rest of said reciprocating holder for severing the wrapper from the strip previously advanced, and means for transferring the severed wrapper into engagement with said holder in registration with the cigar therein prior to the movement of said holder into operative relation to the wrapping mechanism.

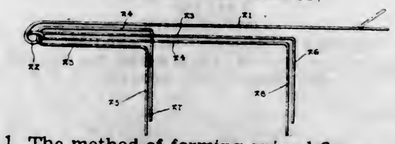
2,044,948
ELECTRICAL PLUG
Michael Leon, Detroit, Mich.
Application April 6, 1934, Serial No. 719,371
1 Claim. (Cl. 173—361)



In combination, an electric plug including a body of non-conducting material having prongs at its inner end for entering the slots in a wall plug, a tongue connected with a portion of the side wall of the body at the inner end thereof extending at right angles to the body, the outer end of the tongue having a longitudinally extending slot therein for receiving a fastening

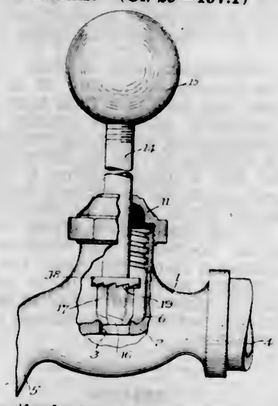
member for connecting the tongue to a wall plate, said slot being of uniform width throughout its entire length.

2,044,949
METHOD OF MAKING ANIMAL FIGURES FROM TUFT YARN BALLS
Jack E. Levy and Cesare Mangiapani, New York, N. Y.
Application August 12, 1935, Serial No. 35,688
4 Claims. (Cl. 46—151)



1. The method of forming animal figures comprising the formation of a wire framework consisting of looping a wire at one end, passing a pair of U-shaped wires through the loop and bending the U-shaped wires in such manner that each forms a rear and a front leg and finally stringing tuft yarn balls upon the framework.

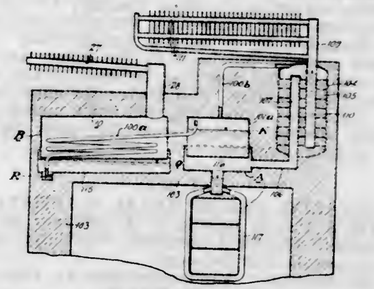
2,044,950
VALVE SEAT REPLACEMENT
Louis Mellinkoff, Los Angeles, Calif.
Application April 11, 1932, Serial No. 604,449
8 Claims. (Cl. 29—157.1)



8. The method of replacing a worn valve seat of a valvular structure wherein a valve seat bead projects longitudinally beyond the surface of the transverse partition in which the valve seat bore is formed, which comprises reaming out the bore of the valve seat to an enlarged diameter less than that of the outer diameter of the valve seat bead, and inserting a sleeve in the enlarged valve seat bore with a laterally projecting valve seat bead at the end of the sleeve resting upon the portion of the original valve seat which immediately surrounds its reamed out bore, whereby the bead of the inserted sleeve may occupy substantially the same radial space as that of the original bead.

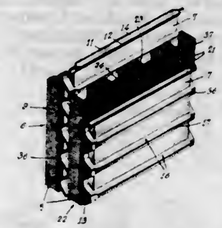
2,044,951
REFRIGERATION
Carl Georg Munters, Stockholm, Sweden, assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application February 10, 1934, Serial No. 710,629
In Germany February 28, 1933
12 Claims. (Cl. 62—118)

8. A method of refrigeration which includes removing heat from a body to be cooled by vaporization of liquid, and causing condensation of the resulting vapor by intermittent heat transfer to cause expulsion of refrigerant vapor from



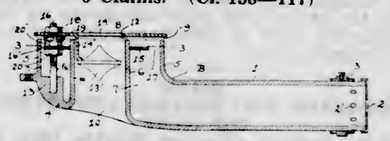
an absorbent and alternate heat transfer to cause evaporation of refrigerant liquid, and forming said refrigerant liquid by intermittent condensation of said expelled refrigerant vapor.

2,044,952
RADIATOR CORE
Frank A. Neveu, Los Angeles, Calif.
Application August 11, 1934, Serial No. 739,453
5 Claims. (Cl. 257—130)



5. In a radiator construction, a core comprising a plurality of fin members of foraminous material disposed in spaced, parallel relation, and a plurality of tube members arranged in contact with said fins for transmission of heat therebetween, said fins being bent adjacent edges thereof to present portions lying in the plane of the associated face of said core and contacting the next adjacent member whereby all air going through the spaces between said tube members is required to flow through at least one thickness of said foraminous material.

2,044,953
GAS BURNER
Herbert R. Palmer, Cleveland, Ohio
Application March 15, 1934, Serial No. 715,732
6 Claims. (Cl. 158—117)



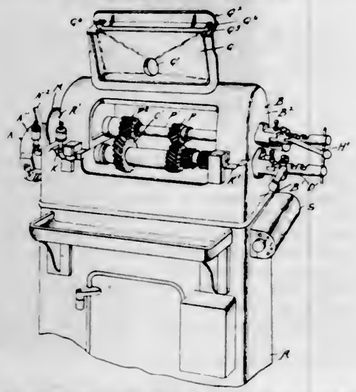
1. A gas burner comprising a bowl shaped body having an open top, an outer wall and a substantially cylindrical inner wall axially aligned with and spaced from said outer wall to provide a substantially ring shaped mixing chamber, an axially perforated plate adjustably mounted slightly above said open top providing substantially concentric inner and outer circumferential

outlet passages from said chamber to the open atmosphere, means for mounting said plate, and a ring shaped, solid, horizontally arranged baffle member within said mixing chamber for subdividing same and connecting the subdivisions of said chamber by a narrow substantially ring shaped passage adjacent to the outer wall of said chamber for directing the gas toward said outer outlet passage, said means for supporting said plate also supporting said baffle member in slightly spaced relation from the open top of said mixing chamber.

2,044,954
ALKALINE EARTH METAL SULPHATE
George A. Peirce, Roselle, N. J., assignor to The Grasselli Chemical Company, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application July 11, 1934, Serial No. 734,690
13 Claims. (Cl. 23—122)

10. In a metathetical reaction between a soluble barium compound and a soluble sulphate, the step of effecting the precipitation of barium sulphate in the presence in the reaction medium of a phosphate ion, a water soluble soap and an organic, colloidal dispersing agent.

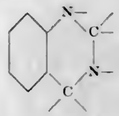
2,044,955
DEVICE FOR TESTING GEAR NOISE
John D. Rovick, Detroit, Mich., assignor to National Broach & Machine Company, Detroit, Mich., a corporation of Michigan
Application July 30, 1932, Serial No. 626,844
11 Claims. (Cl. 73—51)



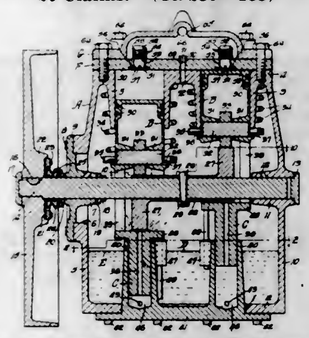
1. A machine for testing noise in operation of intermeshing gears comprising a two-part housing for the gears to be tested, mountings for the intermeshing gears respectively in the two parts of said housing, means for adjusting one part of said housing in relation to the other to variably space the axes of said gears and means for conducting the noise of operation from said gears to a listening point.

2,044,956
INHIBITOR AND PROCESS EMPLOYING THE SAME
Fred E. Sheibley, Cleveland Heights, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application February 2, 1935, Serial No. 4,631
16 Claims. (Cl. 148—8.1)

1. A pickling and cleaning composition comprising a non-oxidizing acid and a composition comprising a compound characterized by the presence of the group:

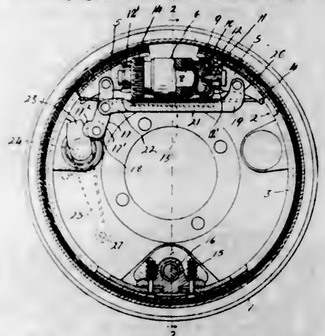


2,044,957
COMPRESSOR
George L. Strebler, St. Louis, Mo.
Application May 22, 1933, Serial No. 672,089
20 Claims. (Cl. 230—185)



1. In combination with a fluid compressor adapted to contain lubricating oil in the lower part thereof and having a fluid inlet, an outlet and an eccentric actuating means, of an oil spraying mechanism within the compressor embodying a cylinder having oil inlets adjacent its lower end and a piston having a longitudinal bore therethrough, the eccentric actuating means operating the piston of the oil spraying mechanism in its non-compression stroke only, and a coiled spring operating the compressor in its non-compression stroke only and the piston of the oil spraying mechanism in its compression stroke only to cause an oil spray to be delivered to the eccentric actuating means and compressor parts thereabove.

2,044,958
BRAKE MECHANISM
George Joseph Thomas, Birmingham, Mich.
Application November 14, 1932, Serial No. 642,674
7 Claims. (Cl. 188—106)



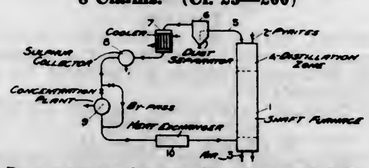
1. Brake mechanism, comprising a brake drum, brake friction means within and engageable with said drum and having separate end portions, a coil spring extending between said end portions for normally urging the same toward each other, a lever pivoted to one of said end portions, a link pivoted to the other of said end portions and to said lever intermediate its ends, said link extending substantially parallel to said coil spring, an abutment on the free end of the first lever and cam means engageable with the abutment for swinging said lever.

2,044,959
COMBINED FUNGICIDAL AND INSECTICIDAL SPRAY MATERIALS
Wendell H. Tisdale, Wilmington, Del., and Louis S. Bake, Pennsgrove, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application September 2, 1932, Serial No. 631,500
13 Claims. (Cl. 167—43)

1. A composition of matter suitable for use as an insecticide and fungicide which comprises an oil emulsion containing a mercury compound having fungicidal properties and which compound is soluble in at least one of the constituents of the emulsion.

2. A composition of matter suitable for use as an insecticide and fungicide which comprises an emulsion of a stable oil, a penetrating and solvent agent, water, an emulsifying agent, and a mercury compound having fungicidal properties, said compound being soluble in at least one of the constituents of the emulsion.

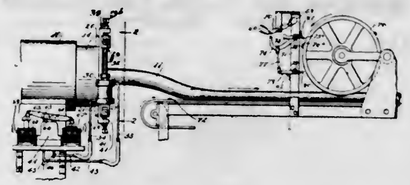
2,044,960
PRODUCTION OF SULPHUR, SULPHUR DIOXIDE, AND IRON OXIDE
Daniel Tyrer, Norton-on-Tees, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
Application September 15, 1933, Serial No. 689,524
In Great Britain June 16, 1930
8 Claims. (Cl. 23—200)



8. In a process for roasting iron sulphide material which comprises passing said iron sulphide material counter-current to a restricted quantity of air sufficient for the oxidation of iron but not sufficient for the oxidation of the whole of the sulphur of said iron sulphide, through a roasting zone, treating the effluent roasting gases comprising free sulphur, sulphur dioxide and nitrogen for the recovery of free sulphur, increasing the SO_2 concentration of at least part of the residual gases, and returning the concentrated gas to the reaction zone to control the temperature therein.

2,044,961
METHOD AND APPARATUS FOR MAKING INNER TUBES FOR TIRES
Harry E. Waner, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a corporation of New York
Application July 25, 1935, Serial No. 33,003
8 Claims. (Cl. 18—14)

1. Apparatus for making inner tubes for tires, said apparatus comprising an extruding die adapted to form a continuous tube of uniform cross-section, and means for adjusting the die



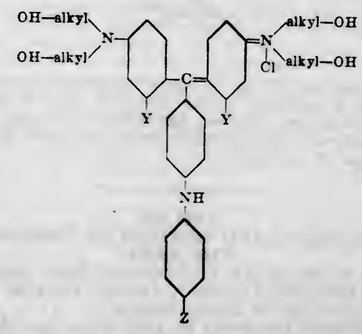
during the extrusion of said tube to change the wall thickness of the tube around a portion of its circumference.

2,044,962
METHOD OF MAKING RUBBER BONDED ABRASIVE ARTICLES
Duane E. Webster, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
No Drawing. Application January 2, 1931, Serial No. 506,311
15 Claims. (Cl. 51—278)

1. The method of making a rubber bonded abrasive article comprising the steps of mixing crude coagulated rubber with a vulcanizing agent to form a rubber dough, mechanically sub-dividing the rubber dough in the presence of abrasive and a rubber plasticizing medium and forming loose masses of light, fluffy, mealy, coherable rubber particles each having the abrasive grains and vulcanizing agent embedded therein, pressing the loose rubber mixture in a mold to a desired shape, and thereafter vulcanizing the rubber and forming an integrally bonded abrasive article.

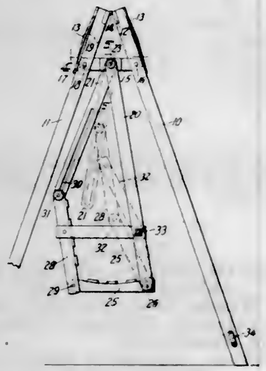
2,044,963
WATER-SOLUBLE BASIC TRIPHENYLMETHANE DYESTUFFS AND A PROCESS OF PREPARING THEM
Paul Wolff and Wilhelm Werner, Frankfort-on-the-Main, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application August 24, 1933, Serial No. 686,646. In Germany September 3, 1932
9 Claims. (Cl. 260—67)

5. The products of the general formula:



wherein Z means an alkyl or an alkoxy group and Y means hydrogen, alkyl or chlorine being very fast to light and having bright shades.

2,044,964
COLLAPSIBLE SWING
William W. Bates, Dayton, Ohio
Application June 19, 1935, Serial No. 27,407
13 Claims. (Cl. 155—58)



1. In a collapsible swing, a main frame comprising front and rear members connected at their upper ends for movement from extended position to a collapsed position in which said members are substantially parallel one with the other, front and rear seat supporting members mounted on said frame for swinging movement about a common axis and diverging downwardly, one of said seat supporting members being movable on said axis to a collapsed position substantially parallel with the other seat supporting member, a seat supported normally in a substantially horizontal position by said supporting members, and means for pivotally connecting said seat with one of said supporting members for movement to a collapsed position substantially parallel therewith.

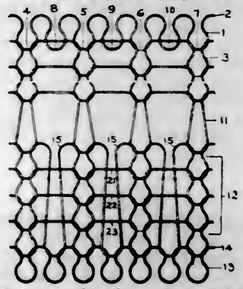
2,044,965
EYELID CAP
William G. Bauer, New York, N. Y.
Application December 7, 1935, Serial No. 53,300
2 Claims. (Cl. 2—15)



2. An eye lid cap or cover comprising a curved body, a sanitary lining therefor, and a radial handle or grip thereon having its end formed as a holder for the sanitary lining to allow an exchange of the same.

2,044,966
HOSIERY AND METHOD OF MAKING THE SAME
John Harlin Baugh, Chattanooga, Tenn., assignor to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts
Application December 16, 1931, Serial No. 581,346
23 Claims. (Cl. 66—172)

10. A plain or non-rib knitted stocking consisting of independent needle stitches, such stocking having a substantially non-curling, selvage top of single ply, the non-curling characteristic being the result of a finishing operation.



2,044,967
REMOVABLE INTERIOR FOR BURIAL CASES
Ernest C. Bowler, Jr., Portland, Maine, assignor to Maine Casket Company, Inc., Portland, Maine, a corporation of Maine
Application March 7, 1935, Serial No. 9,735
10 Claims. (Cl. 27—19)



9. Lining means for a burial case, comprising a fabricated lining element, a framing element having a lining-engaging edge adapted for substantially continuous engagement along one edge of the lining element whereby the lining element is suspended as a free drape from its said engaged edge, and means on said frame element for cooperation with complemental means on the case for detachably fastening the framing element and its attached lining as a unit to the case.

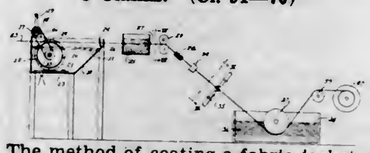
2,044,968
METAL SALTS OF OXYACEDIC ACIDS
Herman A. Bruson, Germantown, Pa., assignor to The Resinous Products & Chemical Co. Inc., Philadelphia, Pa.
No Drawing. Application January 23, 1932, Serial No. 588,499
17 Claims. (Cl. 260—11)

1. The process of making a resinous compound which comprises heating a substance of the group consisting of an oxide, hydroxide and carbonate of a polyvalent metal with an equivalent amount of an ether acid of the general formula R—O—CH^2—COOH wherein R is a hydrocarbon radical of the group consisting of hydroaromatic radicals, alkyl radicals having more than five carbon atoms, and aryl radicals having at least one side chain substituent which has more than four carbon atoms in a straight chain, until the acid is neutralized.

2,044,969
MOLDING MIXTURES AND THEIR MANUFACTURE
Lawrence C. Byck, Elizabeth, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Original application September 27, 1922, Serial No. 590,943. Divided and this application November 5, 1932, Serial No. 641,489
12 Claims. (Cl. 106—22)

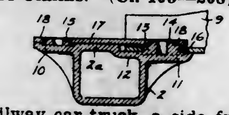
1. A potentially reactive phenolic molding mixture containing a filling material and an absorbed condensation product of a phenol and an aldehyde, and an organic vegetable oil component acting as a positive plasticizing agent for the mass, said component being substantially free from plasticizing effect upon the infusible final product.

2,044,970
METHOD OF COATING INSULATED WIRE OR THE LIKE
Albert T. Candy, Jr., Oak Park, Ill.
Application December 18, 1933, Serial No. 702,868
3 Claims. (Cl. 91—70)



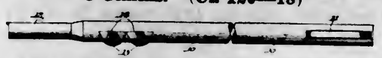
1. The method of coating a fabric jacket of an insulated wire, which comprises impregnating said jacket with a flame repellant pitch at a temperature above the melting point of said pitch, passing said wire while still hot through a powdered mixture of a pigment and binder fusible below the temperature of the hot wire, thereby forming a layer of said pigment mixture over said jacket, applying rolling pressure to said layer to compact the same and again fusing the binder in said layer to form as the final external coating a smooth, dense coherent layer of said pigment mixture firmly anchored to said jacket.

2,044,971
RAILWAY CAR TRUCK
Claus J. Werner Claesen, Davenport, Iowa, assignor to The Bettendorf Company, Bettendorf, Iowa, a corporation of Iowa
Application November 21, 1933, Serial No. 699,007
14 Claims. (Cl. 105—208)



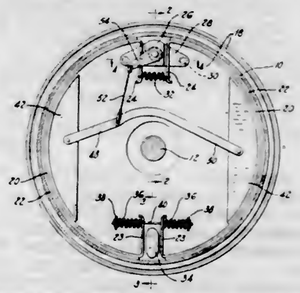
1. In a railway car truck, a side frame having a spring seat, a spring bearing plate carried by said spring seat, said bearing plate and spring seat having opposed spaced surfaces, and a spring plank having an end disposed between said spaced surfaces, said end having at least the greater portion of its upper surface spaced from said surface of said spring seat to permit limited free tilting movement of said spring plank relative to said side frame without interference from and without tendency to raise said bearing plate.

2,044,972
PENCIL PLUNGER
Frank C. Deli, Chicago, Ill., assignor to Autopoint Company, Chicago, Ill., a corporation of Illinois
Application September 24, 1934, Serial No. 745,246
3 Claims. (Cl. 120—18)



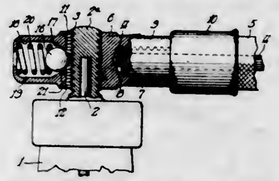
1. A pencil plunger consisting of a body and a thread projection formed thereon, extending over only substantially one half of the circumference of the body, said projection being formed outside of the body without reducing the cross sectional area of the body at any point, and constituting the sole projection beyond the periphery of the body.

2,044,973
BRAKE
Adiel Y. Dodge, South Bend, Ind., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application August 18, 1930, Serial No. 475,868
20 Claims. (Cl. 188—78)



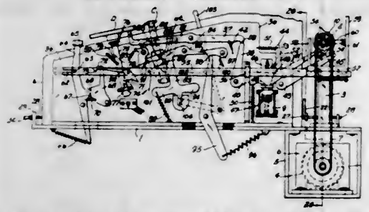
1. A brake comprising, in combination, a drum, a pair of fixed stops arranged on opposite sides of the drum, a pair of partly-flexible and partly-rigid friction members engageable with the drum and the flexible parts of which are arranged to be engageable with said stops, and floating means acting on the rigid portions of said friction means for forcing the friction members against the drum.

2,044,974
CONNECTING MEANS
Harry A. Douglas, Bronson, Mich.
Application October 14, 1932, Serial No. 637,719
1 Claim. (Cl. 173—269)



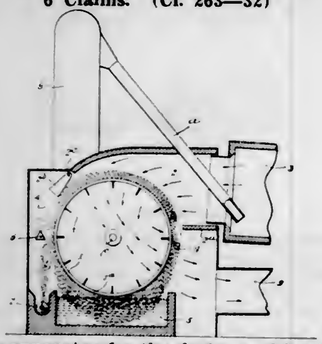
In combination: an externally screw-threaded metallic stud; a conductor terminal for receiving said stud, said terminal comprising: a metallic portion having a recess; said recess having a diameter larger than said stud; biasing means including a movable wall portion for said recess biased toward a position to restrict said recess to a minimum diameter less than the diameter of said stud, for forcing said recess and said stud into eccentricity with each other with said stud in contact with a wall of said recess; and means so constructed and arranged that said conductor terminal will be securely held on said stud, but assemblable with and disassemblable from said stud by assembling and disassembling forces applied to said conductor terminal in the general direction of the axis of said recess while said biasing means forces said recess and said stud into said eccentric position, said means including screw-threads, in said recess, having the same direction and pitch as those on said stud but of less depth, said assembling and disassembling forces causing relative cam action between crests of the threads on said stud and sides of the threads of said recess so that said threads ride over each other in the general direction of the axis of the recess while under the bias of said biasing means.

2,044,975
ADDING MACHINE
Clyde P. Evans, St. Louis, Mo.
Application August 17, 1931, Serial No. 557,440
22 Claims. (Cl. 235—60)



1. In combination, an adding machine having a starting member and a total key, and an attachment for making the operation thereof automatic, comprising a rotatable member having a control element operatively connected with said total key to control the actuation thereof, a second control element on said rotatable member, and operating means for operating said control member, said operating means being under the control of said starting member and said second control element.

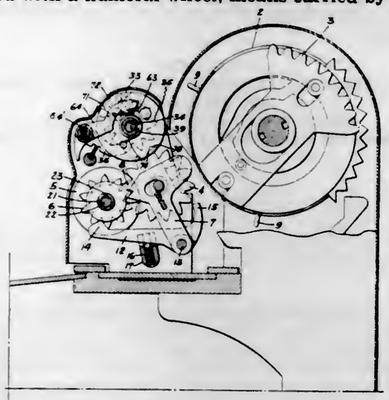
2,044,976
APPARATUS FOR THE TREATMENT OF SLURRY-LIKE MATERIALS
Johan S. Fasting, Valby, near Copenhagen, Denmark, assignor to F. L. Smidth & Co., New York, N. Y., a corporation of New Jersey
Application March 6, 1934, Serial No. 714,248
In Great Britain March 9, 1933
6 Claims. (Cl. 263—32)



1. An apparatus for the drying and heating of slurry-like materials which comprises a chamber to which hot gases may be delivered, a gas permeable conveyor mounted in said chamber upon a substantially horizontal axis, carrier bodies hung on the conveyor, such carrier bodies depending from one side of the conveyor and lying upon the other side of the conveyor in their movement therewith, means to coat with liquid slurry the carrier bodies at a point in their movement with the conveyor, and means to separate the dried material from the carrier bodies after their passage through the chamber.

2,044,977
CALCULATING MACHINE
Carl M. F. Friden, Oakland, Calif., assignor to Marchant Calculating Machine Company, Emeryville, Calif., a corporation of California
Application January 14, 1928, Serial No. 246,677
12 Claims. (Cl. 235—137)

1. In a calculating machine, a register comprising a plurality of numeral wheels, a shaft on which said wheels are rotatably mounted, a disc secured to the shaft and positioned intermediate the numeral wheels, a tens carrying arm associated with a numeral wheel, means carried by the



numeral wheel, for moving the arm to operative position and means carried by the disc adapted on rotation of the shaft to be engaged by said operatively positioned arm to cause a tens carry to the next numeral wheel.

2,044,978
CALCULATING MACHINE
Harold T. Avery and Gustav Lerch, Oakland, Calif., assignors to Marchant Calculating Machine Company, a corporation of California
Application August 18, 1931, Serial No. 557,800
9 Claims. (Cl. 235—144)



1. In a calculating machine, a register comprising a series of numeral wheels, a shaft on which said wheels are rotatably mounted, tens carrying means associated with said wheels, means operative by rotation of the shaft in one direction to operate the tens carrying means and means operative by a plurality of revolutions of the shaft in the opposite direction for frictionally returning the numeral wheels to zero.

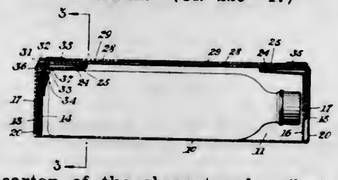
2,044,979
CARTON
Herman L. Greve, Hollis, N. Y., assignor to International Mailing Tube and Wrapper Company, Long Island City, N. Y.
Application May 25, 1935, Serial No. 23,371
1 Claim. (Cl. 229—47)



A carton of the character described consisting of a body portion comprising interlocked flap

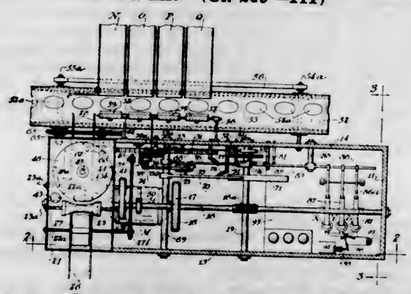
portions to form the sides, and cover portions, said cover portions extending entirely across the carton, one from each side thereof, the inner one having a slit extending across the carton and the upper one having a weakened path extending across its width adjacent said slit, a lock carried on the inner face of a side wall and a latch carried by the outer cover adapted to engage said lock in permanent relation; the arrangement being such that the carton may be opened by tearing the cover along the weakened path without disturbing the locking means.

2,044,980
CARTON
Herman L. Greve, Hollis, N. Y., assignor to International Mailing Tube and Wrapper Company, Long Island City, N. Y.
Application May 25, 1935, Serial No. 23,372
1 Claim. (Cl. 229—47)



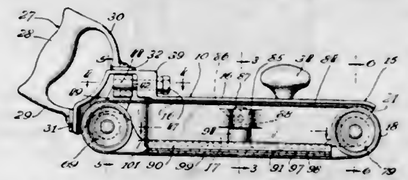
A carton of the character described formed from a single sheet of material, comprising a bottom and two side walls, each side wall carrying a cover portion arranged in overlying interlocked relation, and a latch carried by each cover portion located adjacent a margin thereof; said carton having duplicate end walls, each of which comprises end flap portions extending from opposite side walls, arranged in overlying interlocked relation to form an inner wall, a tab portion carried by one of said flap portions and extending from the upper edge thereof over the outer surface of said inner wall, an outer end wall portion extending from the bottom to the top of the carton and having a flap the end portion of which is folded back under the flap and abuts the inner wall to secure the flap in locked position, and a lock carried on the inner side of the end wall under a latch: the construction being such that a latch may extend into the adjacent lock and be held in permanent engagement therewith.

2,044,981
GRADING AND SORTING MACHINE
Solomon Guttman, Minneapolis, Minn.
Application December 12, 1931, Serial No. 580,671
8 Claims. (Cl. 209—111)



1. In grading or sorting apparatus, means for successively testing a series of articles whereby characteristics of said articles will vary the intensity of an electrical current, a series of receivers for articles of different grades, a conveyor movable variable distances for carrying an article to any one of said several receivers, means for positioning an article upon said conveyor after it has been tested, means for driving said conveyor, actuating means having a predetermined movement, means for connecting said actuating means with said conveyor driving means in a plurality of different positions corresponding to the number of said receivers whereby said conveyor will be driven a different distance to deliver to each receiver and relay mechanism responsive to the intensity of said electrical current for selectively controlling said regulating means.

2,044,982
SANDING MACHINE
Theron L. Hedgpeth, Oak Park, Ill., assignor to Duro Metal Products Company, Chicago, Ill., a corporation of Illinois
Application March 6, 1935, Serial No. 9,529
5 Claims. (Cl. 51—170)

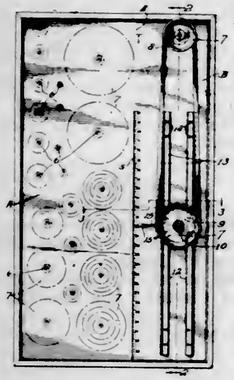


5. In a sanding machine, the combination of a housing comprising a top wall and a vertical side wall, a pair of bearings supported by and at the ends of the housing, said bearings having parallel horizontal axes, shafts mounted in said bearings, pulleys carried by said shafts, means for driving one of said pulleys, an abrasive belt mounted on said pulleys, a lug on the vertical wall of the housing projecting into the space between the upper and lower runs of the belt, a vertical bore in said lug, a metal backing member horizontally disposed in the space between the upper and lower runs of the belt, a vertical rod carried by said backing member extending upwardly into the vertical bore of the aforesaid lug, a set screw whereby said rod may be secured at various positions in the lug bore, and an apron secured to said backing member at its leading end, said apron underlying the backing member, presenting a smooth lower surface to the upper surface of the lower run of the belt, and serving yieldingly to urge the said lower run of the belt into engagement with a work piece.

2,044,983
BELT AND PULLY MEASURING APPARATUS
Theron L. Hedgpeth, Oak Park, Ill., assignor to Duro Metal Products Company, Chicago, Ill., corporation of Illinois
Application January 18, 1936, Serial No. 59,664
4 Claims. (Cl. 33—125)

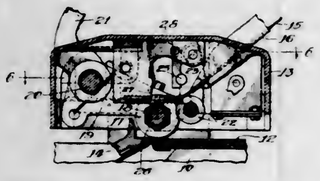
1. In an apparatus for facilitating the selection of belts and pulleys, the combination of a vertically disposed support, a pair of vertically displaced bearings carried by the support, each of said bearings being in the form of a horizontally disposed pin to which a pulley may be removably applied, said bearings being maintained with their axes in the same vertical plane, a cross head by which the lower one of said bearings is carried, a pair of spaced-part vertically disposed guide

rails, carried by the support, on and between which the cross head is movable toward and away from the upper bearing while maintaining the axis of the lower bearing parallel with the axis of the upper bearing, a graduated scale carried by the support, and a pointer, carried with the cross



head, for indicating the distance between the axes of said bearings when a belt, placed around pulleys mounted on said bearings, has been tautened by the gravitational pull of the cross head and parts carried thereby.

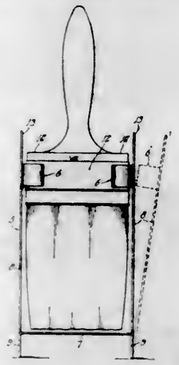
2,044,984
DUPLICATING MACHINE
John W. Hernlund, La Grange, and Hubert Jagger, Chicago, Ill., assignors to Ditto Incorporated, Chicago, Ill., a corporation of West Virginia
Application October 19, 1933, Serial No. 694,326
22 Claims. (Cl. 101—133)



1. In a machine of the class described the combination of; a frame having a bed; a gelatin band on the bed; a platen roller movable along the bed; means for raising and lowering said platen roller with respect to said bed; a member connected to the platen roller, said member having a projecting part; and a tooth on the bed so positioned that when the platen roller is lowered said projecting part will be brought into position just behind said tooth, whereby said tooth will engage said part to impart positive rotation to the roller when it begins its impression travel.

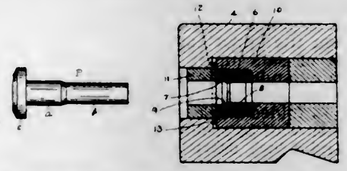
2,044,985
BRUSH HOLDER
Oscar T. Holmberg, Chicago, Ill.
Application June 8, 1935, Serial No. 25,539
10 Claims. (Cl. 206—15.1)

1. A brush holder comprising, in combination, a U-shaped wire frame arranged to be supported in position on the bottom of a receptacle, the vertical branches of the frame being yieldable outwardly, a gripping member located on the free end of each vertical branch and adapted to frictionally engage the bristle base of the brush,



whereby the bristles will be disposed within the frame and out of contact therewith.

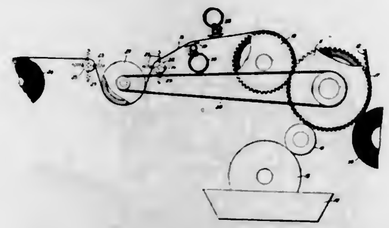
2,044,986
METAL-EXTRUDING DIE
William M. Horton, Sewickley, Pa., assignor to Pittsburgh Screw & Bolt Corporation, a corporation of Pennsylvania
Application December 14, 1935, Serial No. 54,451
1 Claim. (Cl. 10—24)



In a bolt-blank forming machine the combination of a hammer die and an extrusion die, the extrusion die being formed with a bore of two diameters and with intermediate taper and of compound structure, including an inner part and an outer part; the inner part comprising a block of great hardness but of little tensile strength mounted within a carrier block of great tensile strength, the portion of the bore of small diameter and the taper being formed in the said block of great hardness; the outer part of the extrusion die being formed of softer and tougher material, in which is formed the portion of the bore of larger diameter, such outer part, engaged by the head of the blank, constituting in service a cushion, relieving the inner part of the full force of impact of the hammer die.

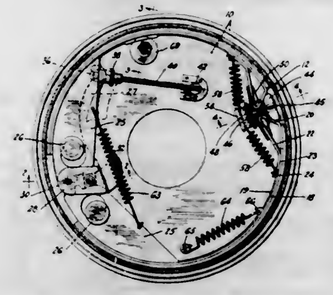
2,044,987
PAPER MACHINERY
Herbert A. Kidd, Chillicothe, Ohio, assignor to The Mead Corporation, Chillicothe, Ohio, a corporation of Ohio
Application February 1, 1934, Serial No. 709,340
10 Claims. (Cl. 154—30)

1. In a paper corrugating machine having rotatable means for corrugating a web of fibrous material supplied thereto, a web feeding roll for supplying the web to the rotatable corrugating means and adapted for frictional driving engagement with the web, and drive means for op-



erating said roll at a peripheral speed in excess of the speed of the web required by the corrugating means.

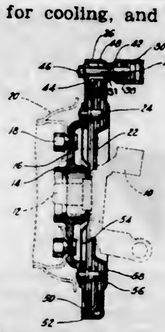
2,044,988
BRAKE
Ludger E. La Brie and Adolph Rosner, South Bend, Ind., assignors to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application September 11, 1929, Serial No. 391,714
9 Claims. (Cl. 188—78)



1. A brake comprising, in combination, a rotatable drum, a friction device within the drum having separable ends and arranged to anchor at either of said ends according to the direction of rotation of the drum and means within the drum operable to apply the ends of the friction device against the same with substantially equal force, said means engaging the ends of the friction means at points spaced apart radially of the drum and having a part at one side of the brake arranged, when the brake is applied, in or immediately adjacent a line normal to a line joining the points of contact of said means with said separable ends.

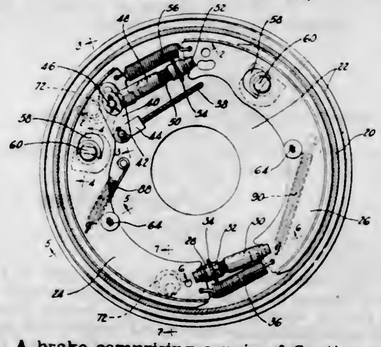
2,044,989
BRAKE
Ludger E. La Brie, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application March 31, 1932, Serial No. 602,309
15 Claims. (Cl. 188—72)

1. A brake comprising a fixed housing disc, an axially movable non-rotatable housing disc having an interlocking connection therewith, said discs having outer surfaces exposed to the surrounding air for cooling, and hydraulic means



associated with the housing for actuating the axially movable disc.

2,044,990
BRAKE
Ludger E. La Brie, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application February 20, 1933, Serial No. 657,693
4 Claims. (Cl. 188—78)



1. A brake comprising a pair of floating shoes adjustably connected at their ends and each having a web formed with an opening, a fixed anchor for each shoe arranged in the opening and having a flat side arranged radially of the brake, the edge of each opening formed on a slight curve engaging the flat side of the corresponding anchor to permit sliding of the shoe on the anchor radially of the brake and to permit also a slight rocking of the shoe on the anchor, an operating lever pivoted on the unconnected end of one shoe and having a tension operating connection extending exteriorly of the brake, and an adjustable compression link connecting said lever with the unconnected end of the other shoe.

2,044,991
ARTICLE AND METHOD BY WHICH "BEN DAY" TONES ARE PHOTOGRAPHICALLY PRODUCED
Fayette E. Marsh and Charles H. Andersen, Los Angeles, Calif., assignors to Charles V. Price, Los Angeles, Calif.
Original application May 8, 1934, Serial No. 724,534. Divided and this application May 20, 1935, Serial No. 22,339
8 Claims. (Cl. 95—5)

1. The method of producing "Ben Day" tones or shading effects which consists in providing a

master drawing to be toned, superimposing upon said drawing a transparency, coloring the areas on said transparency with materials having different reflective coloring values corresponding to the areas of the drawing on which tones are



desired when reproduced by printing, separating the transparency from the drawing and making a negative by photographing the transparency and the colored areas thereon thru a stencil in "Ben Day" pattern.

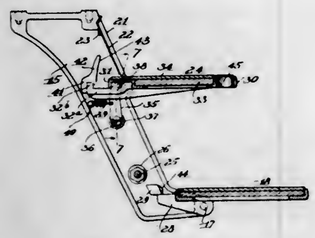
2,044,992

FOOTREST FOR OPERATING CHAIRS

Adam J. May, Rochester, N. Y., assignor to Ritter Dental Manufacturing Company, Inc., Rochester, N. Y., a corporation of Delaware

Application September 28, 1934, Serial No. 745,965

8 Claims. (Cl. 155—171)



1. The combination with a chair and a foot rest, of means movable on the chair on which the foot rest is movably mounted for bodily movement to and from operative and inoperative positions, interengaging parts on the chair and foot rest for locking the foot rest in operative position, and a device for resiliently retaining said interengaging parts in contact with each other while the foot rest is moved to or from operative or inoperative position on the chair.

2,044,993

VAT DYESTUFF DERIVED FROM 3,3'-DIBROMO-INDANTHRENE AND METHOD OF MAKING SAME

Wilfred M. Murch, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a corporation of Michigan

No Drawing. Application August 28, 1933, Serial No. 687,166

13 Claims. (Cl. 260—31)

9. A vat dyestuff, prepparable by reacting 3,3'-dibromo-indanthrene with concentrated sulphuric acid at a temperature between about 100° and about 175° C. to form a relatively soluble 3,3'-dibromo-indanthrene compound, separating the latter, and reacting the same with alkali metal hydrosulphite in the presence of water at a temperature between about 60° and about 70° C., and thereafter separating the dyestuff, the latter being a blue material which dyes cotton from an alkaline hydrosulphite vat to a color varying from greenish-blue to reddish-blue.

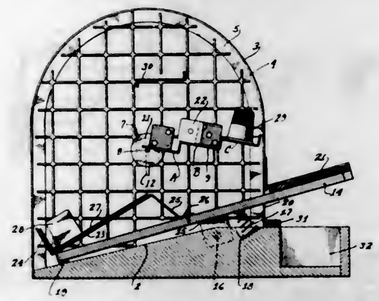
2,044,994

AMUSEMENT DEVICE

Frank M. Pierce, Miami, Fla.

Application October 18, 1935, Serial No. 45,595

15 Claims. (Cl. 273—138)



1. In a device of the class described, a housing, a projection lever extending along the bottom of said housing and projecting to the exterior thereof to be struck for upward throw of the inner end thereof, supporting means on the inner end of said lever for counting members, shelves within said housing, said counting members being differently colored and said shelves being individually colored to correspond with the coloring of said counting members.

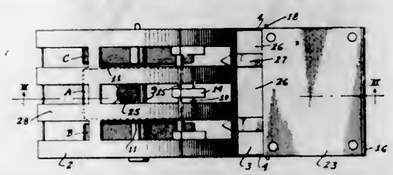
2,044,995

AMUSEMENT DEVICE

Frank M. Pierce, Miami, Fla.

Application October 18, 1935, Serial No. 45,596

7 Claims. (Cl. 273—138)



1. In a device of the class described, a cylindrical cage having its axis extending horizontally and having a ramp extending tangentially thereinto for guiding projected balls, a row of independently rotatable paddle wheels within said cylinder concentric therewith and providing pockets for receiving the balls.

2,044,996

METHOD OF SECURING COUNTER CURRENT CONTACT OF FLUIDS BY CENTRIFUGAL ACTION

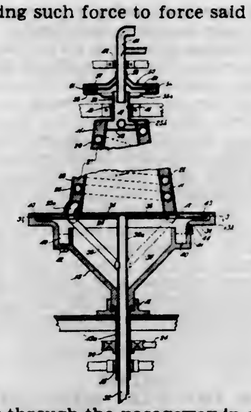
Walter J. Podbielniak, Chicago, Ill., assignor to Lois W. G. Podbielniak, Tulsa, Okla.

Original application August 18, 1930, Serial No. 476,190. Divided and this application May 1, 1935, Serial No. 19,327. In Canada August 12, 1931

19 Claims. (Cl. 261—83)

1. The method of modifying fluids comprising flowing fluids of different densities counter-currently in direct contact through a passageway of increasing radius while maintaining continuous communication between the source of said condenser fluid and the inlet to said passageway, rotating said passageway to develop centrifugal force

and utilizing such force to force said denser fluid



outwardly through the pasageway in contact with the outer wall thereof.

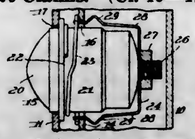
2,044,997

LIGHT REFLECTING MEANS

Charles Daniel Ryder, Covington, Ky., assignor to The National Colortype Company, Bellevue, Ky., a corporation of Kentucky

Application February 5, 1935, Serial No. 5,074

20 Claims. (Cl. 40—125)



8. In a sign of the class described, detachably associated display and supporting members having alined openings therein, a light reflecting element extending through the opening of the supporting member forwardly and rearwardly of said member and into the opening of the display member, said element having an abutment normally engaging the display member to limit outward movement of the element, resilient means in advance of the supporting member for urging the abutment in engagement with the display member, and a holding device for said light reflecting element cooperating with said supporting member to support the light reflecting element in operating position thereon, said light reflecting element and holding device being moved as a unit from operating position by said resilient means outwardly to a predetermined position upon detachment of one of said members from another and being limited in its outward movement at said position by engagement of said holding device with the rear side of said supporting member.

2,044,998

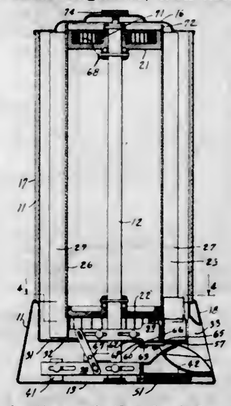
DISPENSING MACHINE

Daniel Lesesne Smith, San Francisco, Calif.

Application February 27, 1933, Serial No. 658,829

3 Claims. (Cl. 312—64)

1. In a machine for dispensing sugar lumps, a casing having a discharge outlet, a magazine rotatably mounted in said casing and provided with a plurality of compartments each arranged to support a plurality of lumps, delivery mechanism including an ejector member movable in one of said compartments and operable to eject one after another of the lumps from the compartment through said discharge outlet and engaging a side of said compartment to prevent rotation of said magazine, and means operable



upon the ejection of the last lump from said compartment to cause the withdrawal of said ejector member therefrom to permit rotation of said magazine to position another of said compartments adjacent said ejector member.

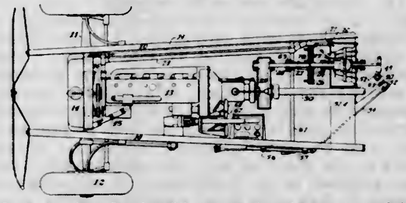
2,044,999

BRAKE SYSTEM

Glen W. Smith and Charles T. Smith, The Dalles, Oreg.

Application February 21, 1934, Serial No. 712,339

4 Claims. (Cl. 188—90)



1. A hydraulic braking mechanism comprising a casing having a rotatable shaft journaling in one end thereof and having a variable pitch propeller mounted on said shaft, a rotatable ring supporting the outer ends of the propeller blades, said casing having inturned radial ribs extending from the walls thereof toward the blades of said propeller when in their maximum pitch position, a slidable yoke connected to said blades having an operating rod extending through the pump casing to a point of operation.

2,045,000

REFRIGERATING APPARATUS

Harry F. Smith, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware

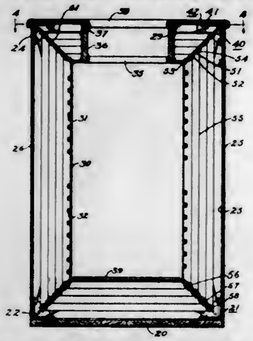
Application July 30, 1931, Serial No. 554,061

Renewed December 12, 1933

14 Claims. (Cl. 220—9)

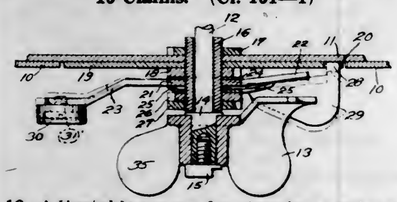
1. An insulated storage compartment including inner and outer walls, said inner walls forming a container, said outer walls being spaced from said inner walls, and means for supporting said inner walls by said outer walls including a plurality of wires connecting said inner and outer

walls and insulating means between said inner and outer walls, said insulating means including



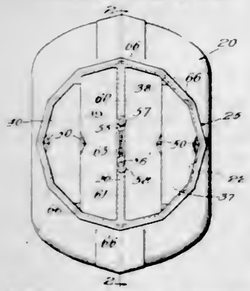
a plurality of spaced sheets of bright metallic foil having air spaces between the sheets.

2,045,001
LOCK STOP DEVICE
Raymond D. Smith, Fairfield, Conn.
Application May 8, 1931, Serial No. 535,872
16 Claims. (Cl. 161—1)



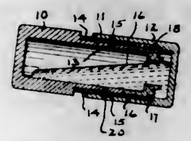
13. Adjustable means for stopping a rotary device in a pre-selected rotative position embodying in combination with said device, a device frame, a shaft and arm carried by said frame, a fixed structure projecting from said frame including a bearing for said shaft, and a lever movably mounted on said structure in a manner to permit turning of said lever about the axis of said shaft and also to permit limited movement of said lever in the plane of said axis and having a portion adapted to lie in the path of said arm, and means to lock said lever against rotative movement.

2,045,002
AIR DISTRIBUTING DEVICE
Philmore F. Sperry, Chicago, Ill., assignor to Excel Auto Radiator Company, a corporation of Delaware
Application March 7, 1935, Serial No. 9,763
1 Claim. (Cl. 98—2)



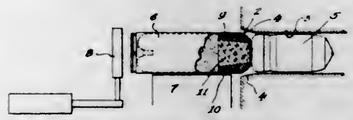
An air distributing device comprising a member having an aperture through which air is advanced, said member having a polygonal flange surrounding said aperture, said flange having a plurality of notches formed in its corners, a shutter support having a polygonal flange adapted to be removably telescoped on the first-mentioned flange, a shutter adjustably mounted on said shutter support, friction means for retaining the shutter in any desired adjusted position, an inwardly opening U-shaped brace extending diametrically across said support, a spring pressed latch member slidably journaled in the channel provided by the U-shaped brace and engageable with said notches to secure said shutter support in a plurality of adjusted positions on the polygonal flange of said member, and a pin carried by the latch member and projecting through a slot formed in the base of the U-shaped brace to effect manipulation of the latch member.

2,045,003
SEAL FOR TWO-PART MERCURY TUBE SWITCH ENVELOPE
Joseph H. Staley, Columbus, Ind.
Application February 13, 1936, Serial No. 63,748
18 Claims. (Cl. 200—152)



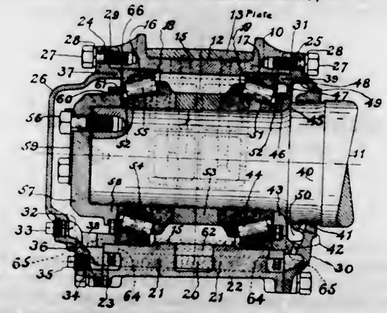
1. A seal between outer and inner telescoping members comprising a pair of spaced apart resilient members interposed under stress between the said outer and inner members, and sealing means between and about opposing ends of said resilient members.

2,045,004
CARTRIDGE PLUG
Harry F. Vickers, Washington, D. C.
Application August 17, 1934, Serial No. 740,294
20 Claims. (Cl. 102—42)



1. A cartridge and cartridge plug therefor, comprising a unitary cartridge casing, a cartridge plug of granular material having a completely frangible portion fitting within the end of said casing and an exposed portion protruding beyond the casing and a substantial part of said exposed portion being of substantially the same diameter as the outer diameter of the end of the casing and adapted to protect the same against impacts and abrasions during loading action, the central portion of said plug being formed of relatively soft frangible material as to readily break up into fine pieces upon the explosion of the charge, at least a part of the outer exposed portion of the plug being of relatively hard material to withstand impacts and abrasions during loading action, said outer portion of relatively hard material extending only to such depth as to break up in relatively small pieces upon the expelling and breaking up of the plug as a whole.

2,045,005
JOURNAL BOX ASSEMBLY
William H. Whitacre, Cleveland Heights, Ohio
Application August 15, 1932, Serial No. 628,800
19 Claims. (Cl. 308—180)

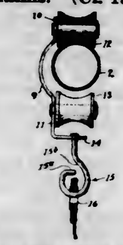


1. In combination, a hollow journal box, a shaft end extending into said box, a plurality of anti-friction bearings supporting the shaft end in the box, said bearings having inner races disposed around said shaft end, means for interlocking said races, and retaining means connected with said shaft end and interlocked with one of said races, said retaining means being effective for exerting an axial clamping action on said inner races and said interlocking means.

2,045,006
PIGMENTED PAINTS, VARNISHES, AND LACQUERS, AND MANUFACTURE OF SAME
William Bryan Wiegand, Sound Beach, Conn., assignor to Binney & Smith Company, New York, N. Y., a corporation of New Jersey
No Drawing. Application September 23, 1932, Serial No. 634,563
9 Claims. (Cl. 134—58)

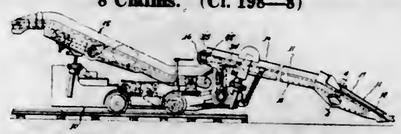
1. The process for dispersing pigment in "media" comprising an initial step of agglutinating or massing the pigment with the "media" followed by a second step involving the subjection of the mass from the initial step to vigorous mechanical manipulation while in the condition of a highly viscous plastic of "leather-like" consistency.

2,045,007
CURTAIN SUSPENSION DEVICE
Robert F. Carpenter, Cleveland, Ohio
Application January 17, 1935, Serial No. 2,212
8 Claims. (Cl. 156—20)



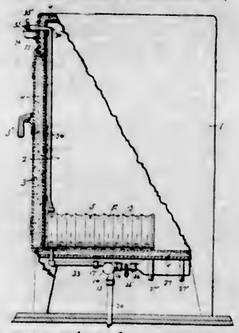
1. In a curtain-supporting structure, a curtain carriage adapted to be supported upon a rod, said carriage having a roller adapted to be supported upon the top surface of the rod for rolling engagement thereupon and having a roller adapted to be arranged beneath said rod and an arm upon which said rollers are mounted.

2,045,008
LOADING MACHINE
Frank Carthidge, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application January 6, 1934, Serial No. 705,486
Renewed November 23, 1935
8 Claims. (Cl. 198—8)



1. In combination in a loading machine, a gathering and loading element comprising an inclined endless conveyor, an inclined apron extending forwardly of said inclined conveyor, gathering means supported on said apron along opposite sides of said inclined conveyor, said gathering means moving in a plane substantially above said conveyor, and said apron having a lip extending from the upper surface thereof to a point substantially adjacent the upper surface of said conveyor adjacent the front end thereof, and at a wide angle to both surfaces so said lip is in a substantially horizontal plane at the discharge point onto said conveyor and said gathering devices are at a substantial distance above the discharge end of said lip.

2,045,009
APPARATUS FOR COOLING AND AERATING LIQUIDS
Paul W. Ehle, Syracuse, N. Y.
Application August 21, 1933, Serial No. 686,178
9 Claims. (Cl. 225—1)

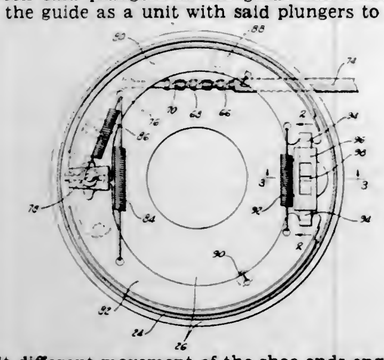


1. In an apparatus for cooling and aerating liquids, in combination with a cooling chamber, of a liquid-receiving tank within said chamber having lower and upper compartments connected through a relatively small passage, said tank being provided with an inlet passage leading to one of the compartments and adapted to be connected to a source of liquid supply, and an outlet passage leading from the other compartment to the exterior of the cooling chamber, the inlet and outlet passages being arranged in offset relation near one and the same end of the tank.

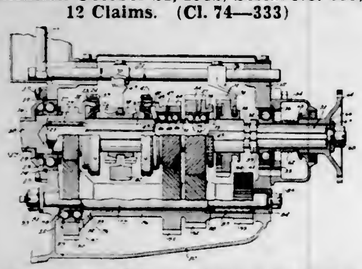
2,045,010
BRAKE
Rudolph A. Goepfrich, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application December 1, 1932, Serial No. 645,307
11 Claims. (Cl. 188—79.5)

1. A brake comprising a pair of shoes having anchorage means at their adjacent ends at one

side of the brake, and having shiftable connecting means for the ends at the other side of the brake including a stationary tubular guide between said other ends, shiftable plungers in the opposite ends of the guide and engaging the ends of the respective shoes, a thrust medium between said plungers in the guide and shiftable in the guide as a unit with said plungers to permit different movement of the shoe ends engaged thereby as one or the other of the shoes anchors when the brake is applied, and means operable transversely of the line of movement of the plungers and acting on said medium to separate the plungers more or less without interfering with the movement of the plungers and said medium, to compensate for wear of the brake.



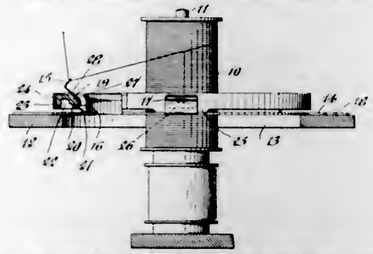
2,045,011
MOTOR VEHICLE
Walter R. Griswold, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application October 24, 1932, Serial No. 639,197
12 Claims. (Cl. 74—333)



1. In a geared drive, a driving gear, a driven shaft, a driven gear free to rotate on said driven shaft in meshing engagement with said driving gear, said gears having a tooth form tending to move said driven gear axially of the shaft, a pair of oppositely disposed ball bearing members between the shaft and the driven gear fixedly locating said gear axially on the shaft, said members being adjustable relatively in an axial direction and arranged to absorb radial and opposed axial thrust between the driven gear and the shaft, and means for pre-loading said bearing members.

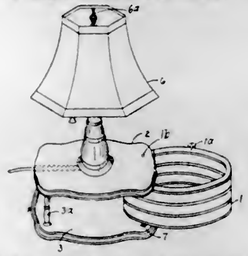
2,045,012
SPINNING RING FOR BAR TRAVELERS
Henry C. Herr, Buffalo, N. Y., assignor to Herr Manufacturing Company, Inc.
Application January 4, 1935, Serial No. 406
1 Claim. (Cl. 118—59)

In a device of the character described, the combination of a spinning ring having an upwardly and outwardly inclined bearing face on its top side adjoining the inner periphery thereof, and a bar traveler mounted on said ring having depending legs engageable with said top bearing face for limiting the centrifugal force



on the traveler at a fixed angularity relatively to said body at high traveler-speeds, said legs terminating in bearing arms engageable in hook-like fashion about the inner periphery of said ring.

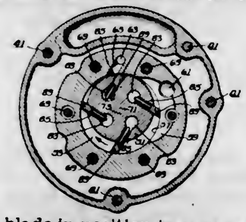
2,045,013
ILLUMINATED CASE FOR TOILET ARTICLES
Herbert H. Howland, Jeffersonville, Ind.
Application October 30, 1933, Serial No. 695,737
1 Claim. (Cl. 312—152)



In a portable toilet case adapted to hold small articles, as hereinabove described: a housing composed of an upper horizontal plate and a lower base-plate securely held parallel thereto by means of posts of predetermined length rigidly fastened in both said plates; a swinging cylindrical receptacle of predetermined size, adapted to fit closely between said parallel plates inside said posts and provided with pintle hinges anchored in said upper and lower plates; a post-like handle resembling said rigid posts and securely fastened to the outside of the swinging receptacle in a predetermined position relative to the positions of said rigid posts; a latch-socket in the lower end of said post-like handle; and a spring-pressed retainer-latch installed in said base-plate, coincident with said latch-socket when said receptacle is closed, the latch being adapted to engage said latch-socket to impede automatically the swinging toilet receptacle from opening too easily and, also, designed to contact the lower edge of the open receptacle to impede the receptacle from closing too easily when fully open.

2,045,014
COMPRESSOR
Mahlon W. Kenney, Chicago, and Arthur R. Constantine, River Forest, Ill., assignors to General Household Utilities Company, Chicago, Ill., a corporation of Delaware
Application July 7, 1934, Serial No. 734,077
6 Claims. (Cl. 103—135)

1. A device of the character described comprising a cylindrical impeller element having a slot opening on a cylindrical surface of the element, a blade extending in said slot and adapted to be projected at one edge outwardly of the cylindrical surface of the slot by centrifugal action when the impeller element is rotated, and shock-absorbing means carried on the opposite



edge of the blade in position to engage the bottom of the slot and to absorb the energy of impact between the blade and the bottom of the slot when the blade is projected into the slot, said shock-absorbing means being ineffective to urge the blade out of said slot.

2,045,015
PRODUCTION OF SULPHURIC DERIVATIVES OF FATTY ACID COMPOUNDS
Paul Koerding, Conrad Schoeller, and Heinrich Ulrich, Ludwigshafen-on-the-Rhine, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application May 28, 1932, Serial No. 614,296. In Germany June 9, 1931
19 Claims. (Cl. 260—99.12)

2. Fatty acid compounds, suitable as assistants for the textile and allied industries, which correspond to the general formula R—CO—Z—R_1Y, in which R—CO denotes a fatty acid radicle, R_1 denotes an alkylene radicle, Z denotes —O— or —N(X)— wherein X stands for hydrogen or a hydrocarbon radicle and Y denotes a sulphuric derivative radicle selected from the group consisting of sulphuric ester and sulphonic acid radicles and their alkali metal salts, and which contain a total number of at least 8 carbon atoms and at least one atomic proportion of halogen per each molecular proportion of fatty acid compound.

18. The fatty acid compound suitable as assistant for the textile and related industries from the group consisting of sulphuric ester and which corresponds to the formula

$$R{-}CO{-}NH{-}C_2H_4{-}O{-}S{-}OM,$$
$$\qquad\qquad\qquad\qquad\quad O \quad O$$

wherein R—CO stands for the acid radicle of dichlorstearic acid and M for hydrogen or an alkali metal.

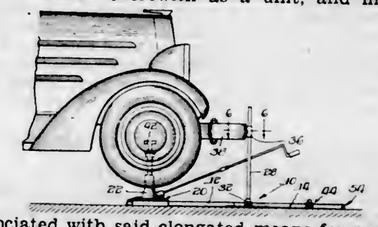
19. The fatty acid compound suitable as assistant for the textile and related industries which corresponds to the formula

$$R{-}CO{-}NH{-}C_2H_4{-}S{-}OM,$$
$$\qquad\qquad\qquad\qquad\quad O \quad O$$

wherein R—CO stands for the acid radicle of dichlorostearic acid and M for hydrogen or an alkali metal.

2,045,016
JACK POSITIONING MECHANISM
Edward J. Leary, Chicago, Ill.
Application September 28, 1935, Serial No. 42,660
10 Claims. (Cl. 254—1)

1. Jack positioning mechanism including elongated means having one extremity adapted to be positioned beneath the structure of a vehicle, jack receiving means carried by said elongated means and shiftable therewith as a unit, and means

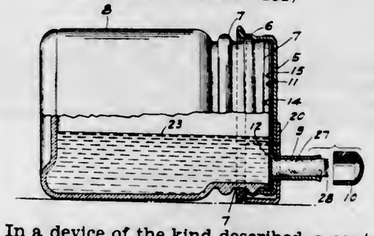


associated with said elongated means for engaging the structure of the vehicle to insure the proper positioning, with respect to the vehicle, of a jack carried by said receiving means.

2,045,017
FLUX
Frank M. Levy, Port Huron, Mich., assignor to Mueller Brass Co., Port Huron, Mich., a corporation of Michigan
No Drawing. Application February 4, 1935, Serial No. 4,881
2 Claims. (Cl. 148—26)

1. A soldering flux composed of stannous chloride and ammonium chloride in approximately equal parts, zinc chloride in considerable excess over said stannous chloride and ammonium chloride, and a petroleum-base greasy carrier material.

2,045,018
PEST EXTERMINATOR
Robert B. Loibl, Jr., Los Angeles, Calif.
Application November 26, 1934, Serial No. 754,815
7 Claims. (Cl. 43—131)



1. In a device of the kind described, a container, for containing a liquid insecticide, having a feed opening, and a cap for said container, said cap having an internally threaded peripheral flange a portion of said flange being bulged to adapt it to rest in a stable manner upon a level surface and when so positioned to cause the contents of the container to gravitate to said feed opening.

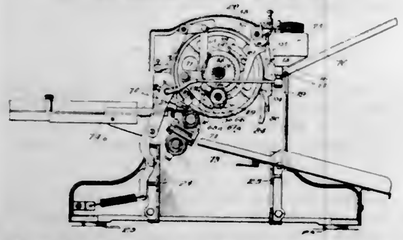
2,045,019
DESSERT PREPARATION
Heinz G. Lorenzen, Chicago, Ill., assignor to Kitchen Art Foods, Inc., Chicago, Ill., a corporation of Delaware
No Drawing. Application April 3, 1933, Serial No. 664,205
4 Claims. (Cl. 99—139)

1. A starch dessert cake which is readily disintegrable in its cooking liquid before modification of the starch comprising in combination starch and sugar each in granular form together with flavoring material all of which are bound together into a cake by partially recrystallized

sugar, the starch granules being distributed throughout the cake by interspersed sugar crystals and having a water content below 14% whereby to prevent progressive recrystallization of the sugar into a hard impervious mass, the proportion and size of starch granules in said cake being such as to maintain the cake friable and to cause the cake to readily disintegrate in the cooking liquid before any substantial gelatinization of the starch

---

2,045,020
DUPLICATING MACHINE
Alfred Marchev, La Grange, Ill., assignor to Ditto, Incorporated, Chicago, Ill., a corporation of West Virginia
Application March 9, 1935, Serial No. 10,162
18 Claims. (Cl. 101—132)



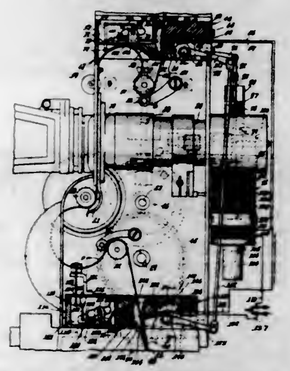
16. In a duplicating machine, a rotatable duplicating drum, master sheet clamping means on said drum, means to guide a master sheet to said drum, a hand lever, means connected with said lever and said drum adapted upon movement of said lever into functionally operative position to open said clamping means and position the open clamping means in alignment with said guide means.

2,045,021
CALCULATING MACHINE
Robert L. Muller, Detroit, Mich., assignor to Burroughs Adding Machine Company, Detroit, Mich., a corporation of Michigan
Application July 7, 1934, Serial No. 734,079
2 Claims. (Cl. 235—145)
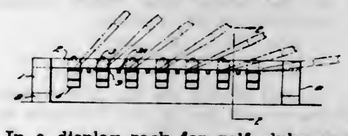


1. The combination in a key responsive calculator having a keyboard comprising a plurality of rows of amount keys of different numerical orders, a register having a plurality of pinions corresponding to the orders of said keyboard, a tens-transfer mechanism for said register, and means for immediately operating said register pinions in response to depression of said keys; of a count device applicable to the machine without changing the construction thereof, said device comprising a plate movably mounted on said keyboard at the side thereof so that it may be easily moved by a turn of an operator's hand from any position over the keys of said keyboard, said plate covering a predetermined number of orders of said keyboard and being connected to mechanism causing, upon movement of said plate, an immediate movement of one step of the register pinion corresponding to the lowest order covered by said plate, whereby items may be entered on said keyboard and in a portion of said register and a count of said items readily kept in another portion of said register by striking said plate at the time of the entry of each item.

2,045,022
SAFETY MOTION PICTURE PROJECTOR
Harry W. Nepo, Chicago, Ill.
Application September 18, 1933, Serial No. 689,816
7 Claims. (Cl. 88—17)



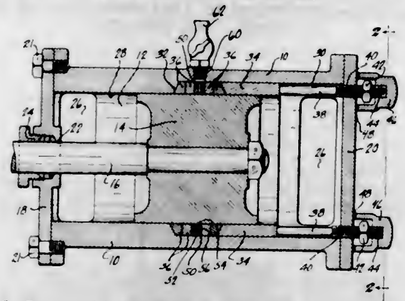
1. Projecting mechanism comprising a projector housing having a film entrance slot and a film exit slot, fire gates adjacent each of said slots, said fire gates each comprising a fixed block and a slidable block adapted to firmly clamp the interposed portion of the film between them, mechanism for driving film through said housing, cams for actuating said slidable blocks to close the film slots in said housing, means for stopping said driving mechanism, and means responsive to heat within said housing for causing the actuation of said cams for closing said openings in said housing and also for actuating said means for stopping said driving mechanism.

2,045,023
DISPLAY RACK FOR GOLF CLUBS
Glenn Percival Reid, Vancouver, British Columbia, Canada
Application July 17, 1935, Serial No. 31,828
4 Claims. (Cl. 211—60)



2. In a display rack for golf clubs, a display member, means to support said member in a horizontal position, said member having means to individually secure a series of golf clubs therein in such positions that the shafts of the several clubs will indicate the line of flight of a ball when struck by the club in the normal position thereof, whereby the relation of the several clubs held in the rack will be immediately apparent.

2,045,024
PUMP
Harry J. Renken, Evanston, Ill., and Frederick Paul Thieman, Tulsa, Okla.; said Renken assignor to Fairbanks, Morse & Company, Chicago, Ill., a corporation of Illinois
Application May 11, 1934, Serial No. 725,026
3 Claims. (Cl. 286—14)



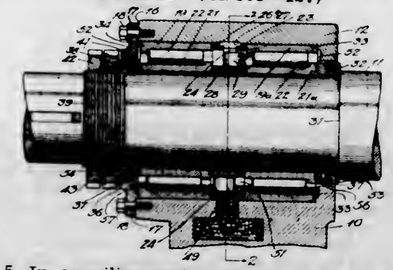
1. In combination in a pump of reciprocating type and in which the pumped fluid serves as an internal pump lubricant, a frame, a pump piston, said frame being provided with a shouldered portion therein, packing members seated in said frame adjacent the shouldered portion, a combined packing gland and cylinder liner removably and adjustably disposed within a portion of said frame, in engagement with said packing members, said liner and a portion of said frame forming the pump cylinder, a pair of screw-threaded holding elements bearing upon the liner, and projecting externally of the frame for adjusting the position of said liner and regulating the compression of the packing members to control leakage of fluid by said members for cylinder lubrication, a leakage indicating device comprising a grooved fluid collector member disposed between an adjacent pair of packing members, a conduit in fluid communication with said collector member, and a valve controlling the outlet of the conduit and arranged to indicate externally of the frame, the flow of cylinder-lubricating fluid and the adjusted condition of the packing members.

2,045,025
METHOD OF PRODUCING ORTHODONTIC BAND BRACKETS
Sidney Richardson, Hollywood, Calif., assignor of one-half to Charles Edward Boyd, Los Angeles, Calif.
Original application August 17, 1934, Serial No. 614,703, now Patent No. 1,976,441, dated October 9, 1934. Divided and this application September 10, 1934, Serial No. 743,422
3 Claims. (Cl. 29—160.6)



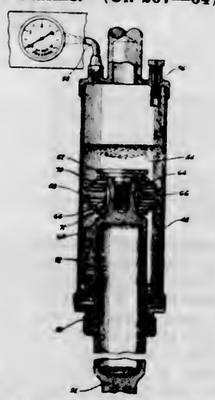
1. The herein described method of producing a one-piece orthodontic band bracket, which consists in cutting a longitudinally disposed slot in the rear portion of a block of hard tough metal, which slot extends from the rear face of said block toward the front face thereof, cutting away the upper rear corner of the block of metal so as to form notches to the sides of the slot, cutting a horizontally disposed transverse slot in the lower front portion of the body of the block, which slot intersects the longitudinally disposed slot that is formed in said block, and the cutting of the block to form said slots and notches being effected so as to retain the fibers and molecules in the uncut portions of said block in their original positions without distorting and stretching the same.

2,045,026
BEARING AND OILING SYSTEM THEREFOR
Nils M. Rosendahl, Cedar Rapids, Iowa, assignor to Universal Crusher Company, Cedar Rapids, Iowa, a corporation of Delaware
Application August 9, 1933, Serial No. 684,369
5 Claims. (Cl. 308—127)



5. In an oiling system for shaft bearings, at least two bearings, a ring having paddles substantially narrower than said ring mounted on the shaft for rotation therewith, the paddles being mounted on the ring between the bearings in staggered sequence about the ring whereby the paddles feed oil to one bearing and then to the other by reason of their proximity to one or the other bearings.

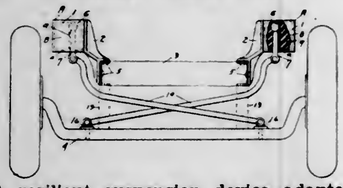
2,045,027
VEHICLE
Roy S. Sanford, South Bend, Ind., assignor to Bendix Aviation Corporation, South Bend, Ind., a corporation of Delaware
Application January 21, 1932, Serial No. 587,996
5 Claims. (Cl. 267—64)



1. A spring suspension device for an individually-sprung wheel comprising a cylinder and piston acting on each other through yielding load-supporting means, and auxiliary shock-absorbing means yieldingly resisting relative movement of the cylinder and piston in either direction from any normal position, the resistance being slight

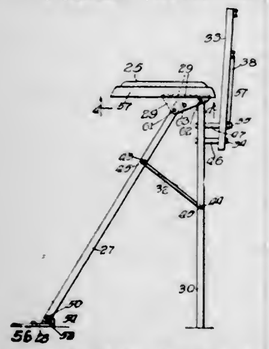
adjacent said normal position and increasing with the speed and amplitude of the relative movement in either direction.

2,045,028
RESILIENT VEHICLE BODY SUSPENSION MEANS
Robert W. Sellman, Highland Park, Mich., assignor of one-fourth to Ben G. Fletcher, Wyandotte, Mich.
Application March 26, 1934, Serial No. 717,362
4 Claims. (Cl. 267—21)



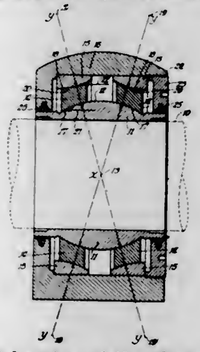
1. A resilient suspension device adapted for mounting vehicle bodies on wheel vehicles and used in combination therewith, comprising a suspension unit having a pivoted support link with resilient restraining side members therein, mounted on opposite sides of the vehicle body above the vehicle axle, a pair of transverse suspension bars mounted between said vehicle body and axle, said suspension bars having their upper ends connected each to the pivoted link of one of said suspension units, and with their respective lower ends pivotally connected each to the opposite axle end.

2,045,029
FOLDING STOOL OR CHAIR
Elmer T. Skidmore, Highland Park, Ill.
Application August 29, 1934, Serial No. 741,902
6 Claims. (Cl. 155—139)



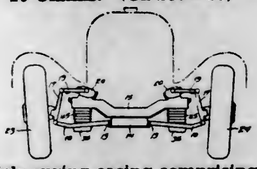
1. In a folding stool or chair, a pair of front legs, a pair of rear legs, the top portions of each of said legs being pivotally secured at four widely separated places to a channel or inverted U-shaped seat plate, a seat surmounting said plate, a stop rod, said stop rod extending from one side of said U-shaped seat plate to the other side of said seat plate, a wide flat brace between said pairs of front and rear legs pivotally mounted at its corners to said pairs of front and rear legs, said stop rod and said wide flat brace acting to make said stool or chair more rigid and providing against lateral movement, and a back rest fastened to said pair of rear legs, said back rest being spaced far enough from said seat to furnish a comfortable position to the user, said back rest being held in spaced relationship to said seat by sleeves mounted on three bolts arranged triangularly.

2,045,030
BEARING
Elliott D. Thompson, Abington, Mass., assignor of one-half to Victor W. Peterson, Chicago, Ill.
Application December 18, 1934, Serial No. 758,104
8 Claims. (Cl. 308—72)



2. A thrust bearing of the character described comprising in combination a shaft bearing member having a spherical bearing surface rotatable with the shaft, a pair of spaced bearing rings surrounding said bearing spherical surface and having bearing surfaces concavely curved to conform with said spherical bearing surface, a bearing housing carrying a pair of bearing surfaces for said rings, said housing bearing surfaces being transversely curved on centers located on lines extending from the center of curvature of said shaft bearing surface and extending through the respective rings, the outer bearing surfaces of said rings being transversely concavely curved to conform with the respective housing bearing surfaces.

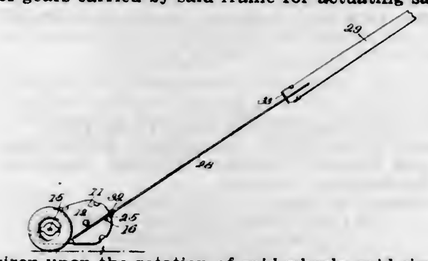
2,045,031
SHROUDED HELICAL SPRING MOUNTING FOR AUTOMOBILES
Tom H. Thompson, Detroit, Mich.
Application December 28, 1933, Serial No. 704,338
10 Claims. (Cl. 267—20)



1. A vehicle spring casing comprising a molded rubber formation substantially cylindrical in form, with a flange formed about one end thereof, said casing having ribs comprising major and minor corrugations formed in the side wall whereby the casing may shorten and elongate when in use, without coming in contact with said spring.

2,045,032
SOUNDING WHEELED TOY
Harry T. Kingsbury, Keene, N. H.
Application January 25, 1935, Serial No. 3,523
6 Claims. (Cl. 46—111)

1. In a toy vehicle, a hollow body, wheels supporting said body, a handle device connected to said body whereby the vehicle may be moved about, a supporting frame, means for mounting said frame within said hollow body, a siren carried by said frame, and means including a train of gears carried by said frame for actuating said



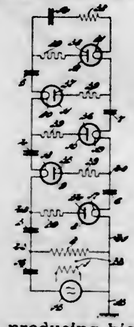
siren upon the rotation of said wheels, said siren and said gears having their axes disposed horizontally whereby to occupy a minimum of space within said body.

2,045,033
END CLOSURE FOR TILE BLOCKS
George B. Kissinger, Takoma Park, Md.
Application November 4, 1932, Serial No. 641,277
9 Claims. (Cl. 72—66)



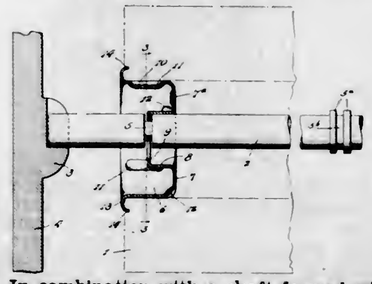
6. A cover for hollow tiles having partition walls defining cells, comprising a continuous metallic strip formed in folds or corrugations to receive plastic concrete in the bottoms of said corrugations within the end of the cells of the block, the walls of said corrugations being apertured to permit the concrete lying in the corrugations to penetrate said apertures, whereby the top, bottom and side walls of said cells are braced by the concrete within the folds.

2,045,034
DEVICE FOR HEATING INCANDESCIBLE CATHODES
Alfred Kuntke, Eindhoven, Netherlands, assignor to N. V. Philips' Gloeilampenfabrieken, Eindhoven, Netherlands
Application February 13, 1936, Serial No. 63,781
In Germany February 8, 1935
5 Claims. (Cl. 175—363)



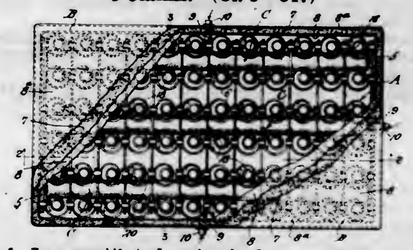
1. A device for producing high direct-voltages from an alternating voltage, comprising an alternating-voltage source, at least two high-tension condensers, a plurality of discharge tubes connected between said condensers, each of said tubes having an incandescible cathode, and means for heating said cathodes, said means comprising at least one auxiliary circuit including said cathodes and at least one of said condensers, and a source of high-frequency current in said circuit.

2,045,035
PAPER ROLL PLUG AND SHAFT
Edgar A. La Rock, Ogdensburg, N. Y.
Application March 8, 1935, Serial No. 10,107
4 Claims. (Cl. 242—68)



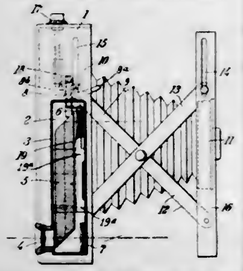
2. In combination with a shaft formed with a circumferentially extending seat, a roll supporting plug comprising a cup-shaped body of sheet metal having an annular wall, a head integrally united thereto, and an open ended neck extending inwardly from the head axially of the plug and provided with an inwardly disposed annular flange at its inner end, the neck and an opening defined by the flange being of a diameter to permit the shaft to be slid freely through the plug and the neck rest upon the shaft with the flange engaged in the seat extending circumferentially about the shaft to hold a roll against shifting longitudinally of the shaft while permitting the roll and plug to turn freely about the shaft.

2,045,036
VENTILATED BODY SUPPORT
Charles Edward Lenz, Jr., Baltimore, Md.
Application May 18, 1934, Serial No. 726,419
8 Claims. (Cl. 5—347)



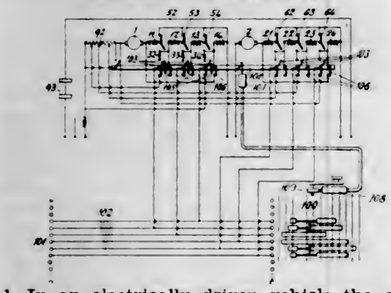
1. In a ventilated spring body support, the combination with a frame having a plurality of coil springs, of a fabric cover enclosing the same, a bellows mounted within the cover, said bellows being provided with a valved inlet for receiving air from the exterior of the cover upon expansion of the bellows and with an independent valved outlet for directing the air from the bellows into the interior of the support upon collapsing of the bellows, and means to cause the bellows to be collapsed and expanded concomitantly with the compression and expansion of said springs.

2,045,037
RANGE FINDER FOCUSING ATTACHMENT FOR FOLDING CAMERAS
Alfred Lingg, Munich, and Paul Frost, Munich-Neuharlaching, Germany, assignors to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York
Application April 17, 1934, Serial No. 721,046
In Germany April 21, 1933
2 Claims. (Cl. 95—44)



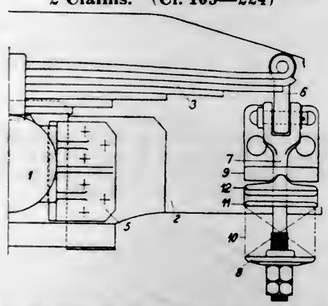
1. In a folding camera in combination, a casing comprising a front part and a rear part each provided with a slot, struts pivotally connected together and connecting said front part and said rear part, one end of said struts engaging said slots in said front part and said rear part, the other end of said struts being pivotally mounted on said front and said rear part, a range finder mounted on the rear part of said casing comprising two reflecting planes at a fixed distance from each other, facing each other and inclined towards the optical axis by 45°, two concave lenses mounted each in front of one of said inclined planes, and a convex lens mounted behind the inclined planes facing said convex lens in alignment with said concave lenses mounted in front of said inclined plane facing said convex lens to form a Galilean finder, and means directly co-operating with the free end of said strut engaging said slot in said rear part for displacing said concave lens not in alignment with said convex lens substantially parallel to the basis of the range finder.

2,045,038
POWER AND CONTROL EQUIPMENT OF ELECTRICALLY DRIVEN VEHICLES AND MACHINERY
Alfred Walter Maley, Handsworth, Birmingham, and Edmund Mackenzie Taunton, Harborne, Birmingham, England
Application September 5, 1934, Serial No. 742,742
In Great Britain September 7, 1933
11 Claims. (Cl. 172—179)



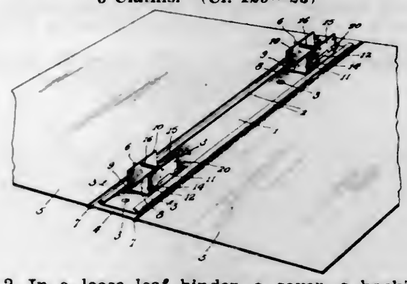
1. In an electrically driven vehicle the combination of two motors having armature windings and sub-divided field windings, means for connecting said armature windings in series and in parallel, and means for connecting the sections of the field windings in series, series-parallel and parallel both when the armatures are in series and when they are in parallel.

2,045,039
SUSPENSION OF RAIL VEHICLES
Alfred Walter Maley, Handsworth, Birmingham, and Edmund Mackenzie Taunton, Harborne, Birmingham, England
Application October 25, 1934, Serial No. 749,916
In Great Britain October 27, 1933
2 Claims. (Cl. 105—224)



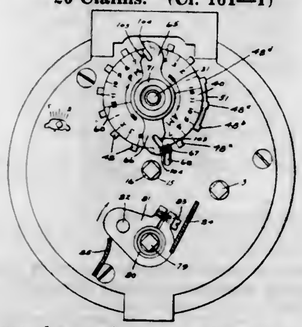
1. In a rail vehicle the combination with an end axle thereof, of axle boxes mounted on said axle, a truck frame having guides engaging said axle boxes and preventing movement thereof relatively to the ruck lengthwise of the vehicle, laminar springs resting on said axle boxes, links supported from the ends of said springs capable of swinging transversely of the vehicle, cushions carried by said links, brackets upon said truck frame above said cushions, and a plate interposed between each cushion and the bracket above it shaped to rock about a line running lengthwise of the vehicle.

2,045,040
LOOSE-LEAF BINDER
Peter A. Marihugh, Harbor Springs, Mich.
Application March 29, 1935, Serial No. 13,725
5 Claims. (Cl. 129—23)



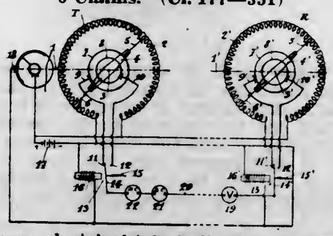
2. In a loose leaf binder, a cover, a backing strip, leaf engaging members disposed against said backing strip and slidable along the same to adjusted positions in predetermined spaced relation to each other longitudinally of the backing strip, and fasteners securing the backing strip to said cover with their inner ends serving as abutments to engage the leaf engaging members and limit normal sliding of the leaf engaging members along the backing strip, the leaf engaging members being formed of yieldable material whereby they may be forced over the abutments and slid along the backing strip to a position out of engagement with the backing strip.

2,045,041
MECHANICAL CONTROL
Andrew G. McNicoll, Minneapolis, Minn., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application July 20, 1931, Serial No. 551,982
20 Claims. (Cl. 161—1)



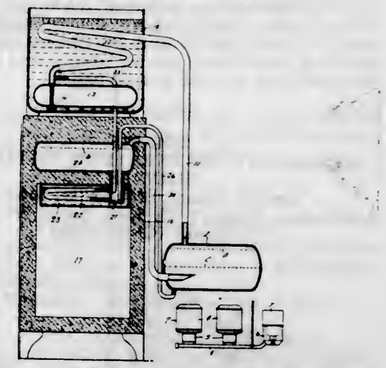
1. A member and means adapting it for control action as the result of a predetermined degree of motion, a shaft, a disk having a slip friction connection with the shaft and having teeth between some of which said control member can move and of different depths to respectively permit and prevent sufficient movement of said member for control action, and means also connected to the shaft for operating the control member.

2,045,042
ELECTRICAL TELEINDICATING DEVICE
Nicolas Emilien Methlin, Paris, France, assignor to Schneider & Cie., Paris, France, a company of France
Application November 25, 1932, Serial No. 644,366
In France December 19, 1931
6 Claims. (Cl. 177—351)



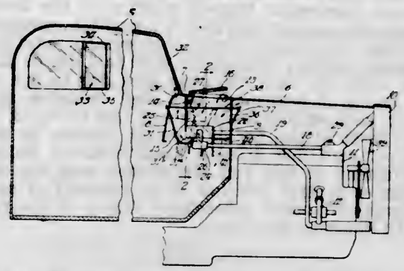
1. In an electrical tele-indicating device of the type employing a circular rheostat at each of the transmitting and receiving stations, a contact carrying arm rotatably associated with each of said rheostats, a source of potential connected across the terminals of each of said rheostats, and a bridge circuit connecting said transmitting and receiving stations including an electrical device responsive to the flow of current in said circuit, the combination of a pair of contacts carried by each of said arms and engaging the associated rheostat at diametrically opposite points, and means controlled by the position of the arm at the transmitting station for connecting the bridge circuit to that contact of each of said pairs which at any instant is in engagement with that half of its associated rheostat which is symmetrically disposed between the terminals thereof.

2,045,043
REFRIGERATING SYSTEM
Wilbur G. Midnight, Bay Village, Ohio, assignor to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio
Application October 20, 1933, Serial No. 694,453
Renewed January 25, 1935
14 Claims. (Cl. 62—120.5)



4. A refrigerating system including a generator-absorber, a condenser-reservoir, a receiver-evaporator, vapor conveying means leading from the generator-absorber and communicating with the condenser-reservoir and the receiver-evaporator, means for returning gas from the receiver-evaporator to the generator-absorber, and a liquid return conduit leading from the evaporator to the generator-absorber.

2,045,044
HEATING AND VENTILATING APPARATUS
Arthur B. Modine, Racine, Wis., assignor to Modine Manufacturing Company, Racine, Wis., a corporation of Wisconsin
Application February 17, 1934, Serial No. 711,707
5 Claims. (Cl. 237—12.3)

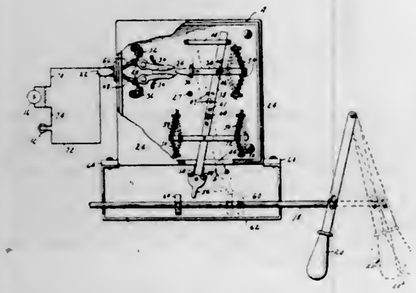


1. In a heating and ventilating apparatus, the combination with a motor vehicle having an engine, a cooling system therefor employing a cooling fluid, an instrument panel having apertures formed therein adjacent its upper edge, the body of the vehicle having a ventilator opening formed therein adjacent said instrument board and an adjustable closure for said opening, of an air conduit communicating with said opening and the interior of the vehicle body for conducting air from said opening to the interior of the body, a heat exchange device positioned in said conduit and operatively related to the cooling system of the engine for passing the cooling fluid thereof through said device, and a deflecting member extending under a portion of said heat exchange de-

vice for directing a portion of the air passing therethrough upwardly and through the apertures formed in said instrument board.

3. In a ventilating apparatus, the combination of a vehicle body having a ventilator opening therein, a closure for said opening, a conduit for conducting air from said opening to the interior of said body, an instrument panel having apertures formed therein adjacent the upper portion thereof, and a deflecting member operatively related to said conduit and instrument panel for directing a portion of the air toward and through the apertures formed in said panel.

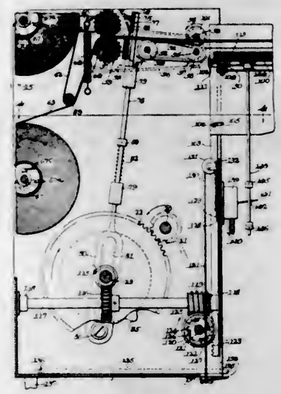
2,045,045
HEADLIGHT BLINKER FOR DAYLIGHT SIGNALS
Burt B. Moore, Sioux City, Iowa
Application January 12, 1931, Serial No. 508,130
1 Claim. (Cl. 74—491)



Means for controlling a switch from a sliding operating rod comprising a pivoted lever operatively connected with a switch, the end of said lever being swingable along a path adjacent and substantially parallel to the path of travel of said rod, an enlargement on said rod, a dog pivoted to said end of said lever, means for limiting the pivotal movement thereof relative to the lever, means for biasing said dog to a position centrally between its opposite limits of movement, said enlargement being engageable with said dog as said rod slides for first swinging said dog to one of its limits of movement and then swinging said lever, said enlargement due to the swinging of said lever in the arc of a circle, passing by the end of said dog after a predetermined sliding movement of said rod, whereupon said dog assumes a central position to be engaged by said enlargement upon subsequent sliding of the rod in an opposite direction.

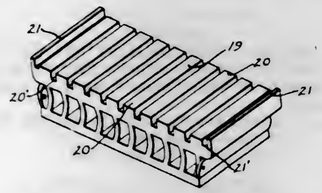
2,045,046
PAPER CUTTING MACHINE
Garrett W. Mudd, Chicago, Ill., assignor to Peters Machinery Co., Chicago, Ill., a corporation of Illinois
Application May 31, 1934, Seral No. 728,369
5 Clams. (Cl. 164—49)

1. In a paper cutting machine, a reciprocating cutter, means embodying feed rolls for feeding the material into a position to be cut by the cutter, and means operating automatically to temporarily arrest the movement of the feed rolls while the cutter is severing the material, the last recited means embodying a clutch device comprising two co-operating members, one of said members comprising separate elements connected for movement together and also for move-



ment one with respect to the other for providing a lost motion between the said elements.

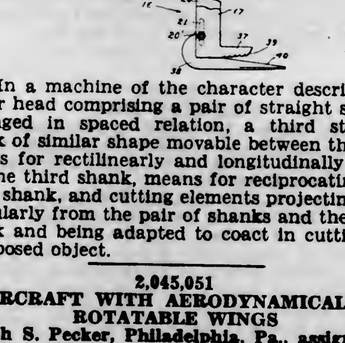
2,045,047
FOLLOW BLOCK
James S. Nevitt, Dallas, Tex., assignor to The Murray Company, Dallas, Tex., a corporation of Texas
Application February 18, 1935, Serial No. 7,032
4 Claims. (Cl. 100—29)



1. A follow block for a bale press comprising, a frame consisting of parallel spaced bars the bale contacting surface of which lie in the same plane, and end bars parallel to the spaced bars and projecting beyond the outer bale contacting surface of said spaced bars, the inner vertical surface of the end bars being perpendicular to the bale-contacting surface of the intermediate bars.

2,045,048
REFRIGERATING APPARATUS
Edward B. Newill, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application July 31, 1934, Serial No. 737,787
8 Claims. (Cl. 62—95)

1. An evaporator for refrigerating systems comprising in combination, refrigerant conveying means arranged to define a plurality of walls of a sharp freezing compartment, a refrigerated shelf disposed horizontally within said freezing compartment for supporting a receptacle adapted to contain a substance to be congealed or frozen, a closed chamber containing a temperature hold-over substance adjacent to and in intimate thermal contact with said shelf, and means for supporting said refrigerated shelf and said chamber

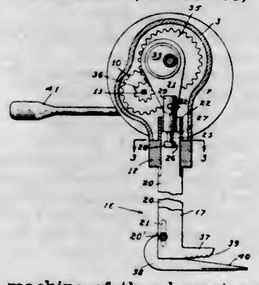


in spaced relation to the walls of said freezing compartment.

2,045,049
PROCESS FOR THE MANUFACTURE OF NEW TANNING MATERIALS
Hermann Noerr and Gustav Mauthe, Leverkusen-I. G.-Werk, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application August 7, 1935, Serial No. 35,201. In Germany August 22, 1934
15 Claims. (Cl. 149—4)

1. The process of preparing tanning substances which comprises reacting lignin sulfonic acid with a dihydroxy-diaryl sulfone and an aldehyde.

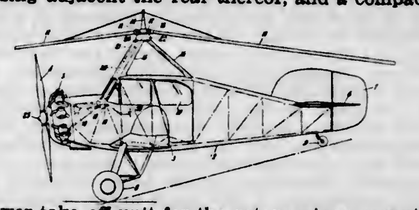
2,045,050
COMBINATION MACHINE FOR CUTTING PLASTER CASTS
John W. O'Banion, Yuba City, Calif.
Application October 17, 1934, Serial No. 748,648
5 Claims. (Cl. 164—75)



5. In a machine of the character described, a cutter head comprising a pair of straight shanks arranged in spaced relation, a third straight shank of similar shape movable between the two, means for rectilinearly and longitudinally guiding the third shank, means for reciprocating the third shank, and cutting elements projecting rectangularly from the pair of shanks and the third shank and being adapted to coact in cutting an interposed object.

2,045,051
AIRCRAFT WITH AERODYNAMICALLY ROTATABLE WINGS
Joseph S. Pecker, Philadelphia, Pa., assignor to Autogiro Company of America, Willow Grove, Pa., a corporation of Delaware
Application October 28, 1932, Serial No. 639,975
8 Claims. (Cl. 244—19)

1. For a rotary winged aircraft, a forward propulsion engine of the radial type, comprising a casing, power mechanism therein for driving a propeller, a manifold located peripherally of the casing adjacent the rear thereof, and a compact

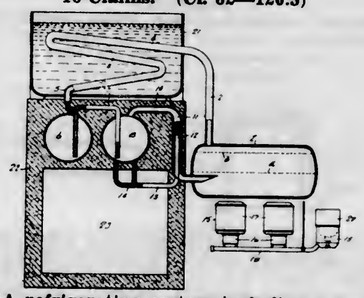


power take-off unit for the rotary wings, mounted in said casing in the space left within the inner peripheral confines of the manifold.

2,045,052
PAPER MANUFACTURE
Harold Robert Rafton, Andover, Mass., assignor to Raffold Process Corporation, a corporation of Massachusetts
No Drawing. Application May 5, 1932, Serial No. 609,555
32 Claims. (Cl. 91—68)

1. The method of manufacturing sized paper filled with alkaline filler comprising preparing a fibrous web containing alkaline filler, applying to said web substantially water insoluble sizing agent dissolved in a solvent therefor, said sizing agent in such solution being characterized by being capable of distributing itself in said web to impart a substantially uniform sizing effect thereto at a temperature at which no substantial fluxing of said sizing agent occurs, said sizing agent in such solution being further characterized by being substantially unreacted upon by alkali, and evaporating substantially completely the liquid content of said web, but without bringing about any substantial fluxing of said sizing agent in said web, said sizing agent applied to said web being sufficient in amount to impart sizing effect to said paper.

2,045,053
REFRIGERATING SYSTEM AND METHOD
Marc Resek, Cleveland Heights, Ohio, assignor to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio
Application October 20, 1933, Serial No. 694,455
Renewed January 25, 1935
16 Claims. (Cl. 62—120.5)



1. A refrigerating system including a generator-absorber section, a condenser, a receiver-evaporator section, and means for periodically heating the generator-absorber section, the intervals between heating periods being known as cooling periods; the receiver-evaporator section involving two intercommunicating receivers, one

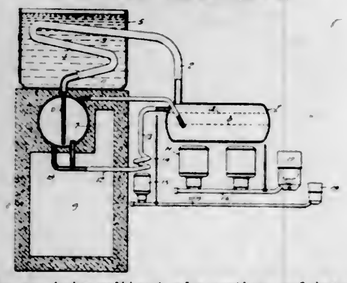
of which is arranged to receive freshly condensed refrigerant directly from the condenser during a heating period, and the second of which is adapted to have said refrigerant transferred to it by changes of pressure in the system at the beginning of the ensuing cooling period and to retain therein residue liquid after the completion of said cooling period, and a conduit leading from a low point in the receiver-evaporator section and having a portion extending upwardly and communicating with the generator-absorber section above the maximum liquid level therein, said upwardly extending portion being subjected to the temperature of the liquid in the latter section.

2,045,054

INTERMITTENT ABSORPTION REFRIGERATING SYSTEM

Marc Resek, Cleveland Heights, Ohio, assignor to Perfection Stove Company, Cleveland, Ohio, a corporation of Ohio

Application October 20, 1933, Serial No. 694,456
Renewed August 7, 1935
15 Claims. (Cl. 62—120.5)



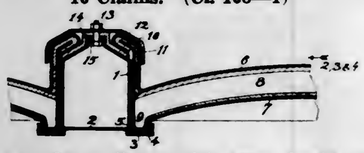
1. In an intermittent absorption refrigerating system including generator, evaporator, and means for periodically heating the generator; a conduit through which residue liquid is returned from the evaporator section of the system to the generator section thereof, the same having an upwardly extending portion, and means for administering heat to said portion and whose action is confined to the early stage of the heating period of the system.

2,045,055

SPACE CLOSING CONSTRUCTIONAL ELEMENT

Friedrich August Schädler, Arbon, Switzerland

Application January 5, 1935, Serial No. 552
In Germany January 10, 1934
10 Claims. (Cl. 108—1)



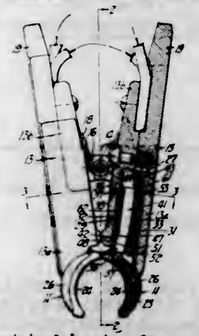
1. A roofing unit comprising two sheets, transverse carriers located between said sheets, said carriers supporting at least one of said sheets, and insulating material between said carriers and at least one of said sheets, said sheets being directly connected together along their adjacent longitudinal edges and along their short sides, the arrangement being such that the insulating material is enclosed on all sides by metal thus forming a fireproof unit capable of sustaining a load.

2,045,056

ELECTRICAL HAIR WAVING HEATER

Floyd V. Schleimer, San Francisco, Calif., assignor to United States Appliance Corporation, San Francisco, Calif., a corporation of California

Application December 26, 1934, Serial No. 759,161
9 Claims. (Cl. 219—24)



1. In an electrical heater for permanent hair waving, a heating element, said element including an electrical resistance element enclosed within a metallic shell, a handle of insulating material secured to said heating element and extending laterally from the same, a thermostatic switch disposed within said handle, a metallic heat-conducting member extending laterally from the shell and serving to conduct heat from the heating element to the thermostatic switch and also serving as a means for attaching the handle to the shell, and electrical conductors serving to electrically connect the thermostatic switch in series with said resistance element.

2,045,057

TREATMENT OF HYDROCARBON OILS

Walter A. Schulze, Bartlesville, Okla., assignor to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware

No Drawing. Application September 6, 1934, Serial No. 743,027
4 Claims. (Cl. 196—24)

1. A process of improving hydrocarbon oil containing carbon disulfide, comprising adding morpholine to said oil to react with the carbon disulfide, and separating the carbon disulfide-morpholine reaction products from the oil.

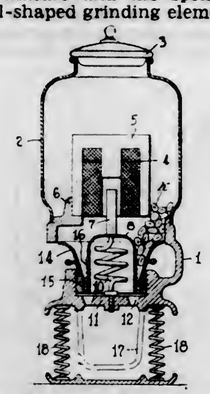
2,045,058

GRINDING MILL

Nathan Stern, Frankfort-on-the-Main, Germany, assignor to Alfred Teves Maschinen- und Armaturen Fabrik G. m. b. H., Frankfort-on-the-Main, Germany

Application June 25, 1934, Serial No. 732,310
In Germany November 10, 1933
8 Claims. (Cl. 83—18)

1. In an electrically driven grinding mill, a frame, spring means supporting said frame, an electromagnet fixedly mounted on said frame, a funnel-shaped grinding element adjustably mounted in said frame, a rectilinearly oscillatory grinding element resiliently mounted in said frame in cooperation with the funnel-shaped grinding element, an armature attached to said rectilinearly oscillatory grinding element in position to be influenced by the electromagnet, and a source of alternating current for energizing said magnet, the rectilinearly oscillatory grinding element and armature and the spring supported frame, funnel-shaped grinding element and electromagnet constituting a pair of oppositely acting units having their frequencies tuned to substantial resonance with the actuating current.

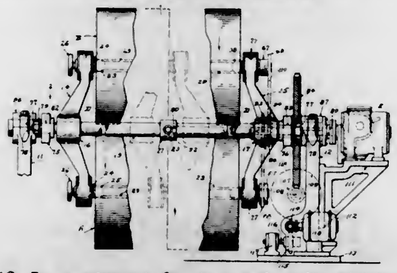


2,045,059

WEB SUPPLY MECHANISM FOR PRINTING MACHINES

John R. Tomlin, Brooklyn, N. Y., assignor to R. Hoe & Co., Inc., New York, N. Y., a corporation of New York; Irving Trust Company, trustee

Application January 29, 1932, Serial No. 589,566
29 Claims. (Cl. 242—75)



12. In a support for two web rolls which are successively advanced to feeding position, a braking device adapted to resist rotation of either of the rolls, and means including an over-running clutch whereby the roll which is rotating at the higher speed will be connected to the braking device.

2,045,060

OVERHEAD DOOR CONSTRUCTION

Robert L. Wheatley, Hammond, Ind.

Application January 23, 1932, Serial No. 588,346
10 Claims. (Cl. 20—20)

1. In a door construction including a doorway, a door comprising a plurality of hingedly joined horizontal sections in association with said doorway, a vertical track hingedly secured parallel to each inside upright facing of said doorway and extending thereabove, a second vertical track secured to each first named vertical track and operable therewith, said second vertical tracks terminating at a point below the top of the doorway, means for limiting the transverse movement of said vertical tracks from said doorway, a horizontal track positioned above and extending rearwardly from each side of said doorway, the forward end of each of said horizontal tracks being curved downwardly and terminating at a point adjacent the top of each doorway, a second horizontal track positioned parallel to each first named horizontal track, the forward end of each second named horizontal track being curved downwardly to the level of the second named vertical track, and means for moving said second named vertical track into abutment with the downwardly turned end of said second named horizontal track.

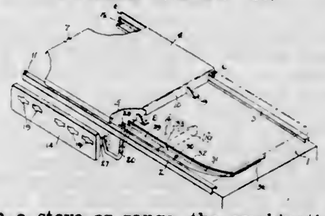


2,045,061

STOVE OR RANGE

Henry A. Ahrens, Cleveland, and Emmett F. Kennedy, Garfield Heights, Ohio, and Joseph E. Nason, Erie, Pa., assignors to The Cleveland Co-Operative Stove Company, Cleveland, Ohio, a corporation of Ohio

Application October 30, 1931, Serial No. 571,956
8 Claims. (Cl. 126—42)



3. In a stove or range, the combination of a plurality of valve handles, a panel member disposed at all times in a vertical plane and having a plurality of non-circular openings for the registry of said valve handles, said handles being of a non-circular contour whereby they are locked against rotation when aligned with said panel member and horizontally disposed means for movably supporting said panel member, said supporting means being adapted to permit the forward movement of said panel member to a position in alignment with said valve handles and permitting the movement of said panel member to a position in the rear of said valve handles.

2,045,062

PROCESS FOR PREPARING D-TRANS-Π-OXO-CAMPHOR FROM ISO-KETOPINIC ACID

Yasuhiko Asahina and Morizo Ishidate, Tokyo, Japan

No Drawing. Application March 22, 1935, Serial No. 12,516. In Japan July 20, 1934
2 Claims. (Cl. 260—133)

1. A process for preparting trans-π-oxocamphor from iso-ketopinic acid comprising trans-

forming the latter into an acid chloride, and reducing the acid chloride by hydrogen gas in the presence of a material selected from the group consisting of metallic palladium, palladium-barium-sulfate and palladium-charcoal as a catalyst.

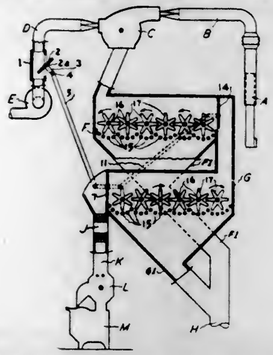
2,045,063
TRAP FOR ICE-FISHING
Bronislaw Baranowski, Brockton, Mass.
Application November 4, 1935, Serial No. 48,190
3 Claims. (Cl. 43—16)



1. The combination in a collapsible ice-fishing trap of resiliently flexible legs by which said trap may be supported on the ice, a knob from which said legs project, a reel on which a fishing line is wound and which is mounted for rotation below said knob and between said legs, a resiliently flexible signal-carrying strip equipped with a collar at its lower end, said collar being engageable over the upper portion of said knob so as to permit said strip to be flexed downwardly until the upper strip end is in proximity to said reel, and conjunctive means on said upper strip end and on said reel permitting hooked engagement therebetween and break of said engagement when the fishing line is withdrawn from said reel; said trap being collapsible by disengaging said collar from said knob, flexing the legs to bring their lower end portions together, and inserting said portions into said collar with said strip occupying a position between said legs and projecting toward said knob.

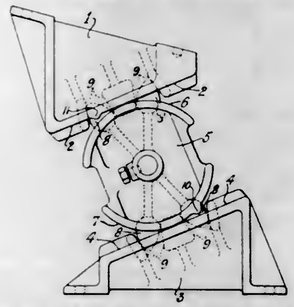
2,045,064
DEVICE FOR CULLING AND GRADING SEED COTTON
Charles Abel Bennett and Francis Leo Gerdes, Stoneville, Miss., assignors to The Government and The People of the United States of America
Application June 12, 1933, Serial No. 675,444
2 Claims. (Cl. 209—240)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

1. In a seed-cotton cleaning apparatus having a cleaning unit, a plurality of cleaning members and pneumatic conveyor means, a device for removing inferior locks of seed-cotton from the principal body of seed-cotton comprising a series of culling bars positioned within the cleaning unit and below and parallel to the axles of said cleaning members, said culling bars being so spaced from each other as to permit the passing between them of inferior locks of seed-cotton and foreign material only, and a plurality of synchronized valve means to interrupt the pneumatic conveyance of seed-cotton to said cleaning units, and



to confine intermittently the principal body of the seed-cotton in said cleaning unit.

2,045,065
SHAKER CONVEYER AND THE LIKE
William Henry Berrisford, Longton, Stoke-on-Trent, England
Application May 22, 1935, Serial No. 22,835
In Great Britain January 18, 1934
3 Claims. (Cl. 198—220)

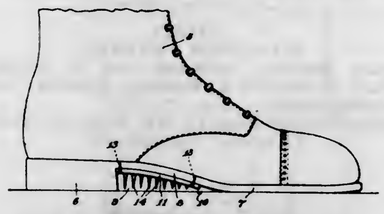


1. A support for a reciprocating conveyer tray or screen comprising a member for attachment to the tray or screen and having a rolling surface set at an appreciable angle thereto, a member for attachment to a fixed support and having a rolling surface approximately parallel to that of the first member, and a rolling member interposed between the said two members, the rolling surfaces of all the three members being smooth over the greater part with a projection on at least one of them lying over the general surface level and located where contact is made with the companion surface a little short of the upper limit of movement of the tray or screen.

2,045,066
LOG GRIPPING CALK PLATE
Charles L. Bower, Seattle, Wash.
Application December 6, 1935, Serial No. 53,218
2 Claims. (Cl. 36—59)

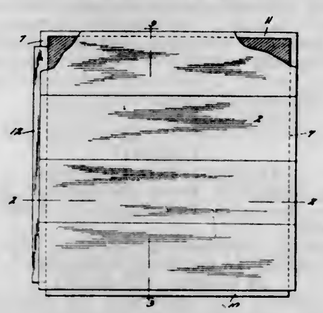
1. The combination with a shoe sole tread, heel, and shank portion connecting the heel and sole tread, of a log gripping plate fixedly secured to and covering the entire shank portion and

confined to said shank portion, depending sharp pointed studs rigidly connected to and covering the entire plate, the points of the studs terminat-



ing short of a plane defined by the sole tread and heel bottom, and said studs graduated in length with the shortest ones disposed closest to the sole tread.

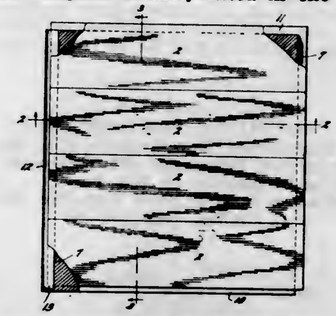
2,045,067
WOOD BLOCK
Robert G. Bruce, Memphis, Tenn., assignor to E. L. Bruce Company, Memphis, Tenn., a corporation of Delaware
Application December 8, 1930, Serial No. 500,963
1 Claim. (Cl. 20—8)



The method of manufacturing a wood block that is made up of a plurality of slats secured together with the grain of the wood running lengthwise of the slats and having two tongues and two grooves at an angle to and adjacent to each other respectively, comprising providing a block with an integral tongue on one edge and along the longitudinal side of one of the slats, securely fastening in the groove of the block that is cut transversely of the grain of the wood, a wooden spline tongue in which the grain of the wood runs lengthwise of the spline and machining the said wooden spline tongue to size after it has been secured in position in said groove.

2,045,068
WOOD BLOCK
Robert G. Bruce, Memphis, Tenn., assignor to E. L. Bruce Company, Memphis, Tenn., a corporation of Delaware
Original application December 8, 1930, Serial No. 500,963. Divided and this application September 28, 1934. Serial No. 745,983
4 Claims. (Cl. 20—8)

1. A floor block comprising two or more strips of wood united together with the grain running lengthwise of the strips, a tongue running lengthwise of the strips along one of the edges of the block, the transverse edges of the block being grooved, a spline securely fitted in one of the



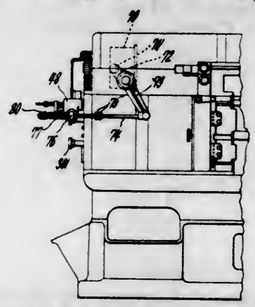
transverse grooves and extending beyond the strips to form an extremity of the tongues.

2,045,069
MANUFACTURE OF WATER-INSOLUBLE INDULINES
Achille Conzetti, Basel, Switzerland, assignor to firm of J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application November 20, 1935, Serial No. 50,787. In Germany March 29, 1934
8 Claims. (Cl. 260—29)

7. Water-insoluble indulines obtainable as condensation products by heating water-insoluble blue to black dyestuffs of the induline class with aminophenol ethers of the benzene series of the formula

wherein R is a member of the group consisting of methyl and ethyl radicals, and having increased solubility in lower alcohols.

2,045,070
STOCK FEEDING MECHANISM
Frank L. Cone, Windsor, Vt.
Application August 16, 1933, Serial No. 685,385
11 Claims. (Cl. 29—62)



1. In combination with a rotary work holder for bar stock, a rotary stock-engaging device having an actuating part movable axially of said holder, said part having a circular head, a member freely rotatable about an axis substantially parallel to the axis of said holder and movable substantially laterally of said axis into and out of operative engagement with said part and having a peripheral groove to receive said head, an element on which said member is journaled,

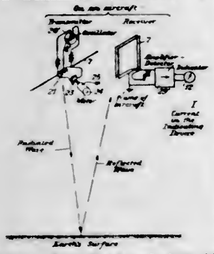
means acting on said element to yieldingly hold said member in operative lateral position, and means for moving said element to move said member axially of said holder to operate said device.

2,045,071
ALTIMETER FOR AIRCRAFT
Lloyd Espenschied, Kew Gardens, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application April 29, 1930, Serial No. 448,409
3 Claims. (Cl. 250—1)



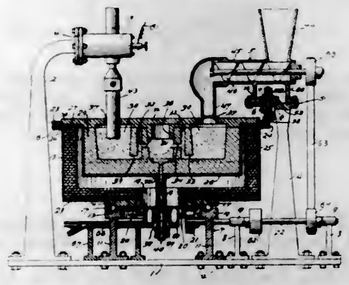
1. A system for determining the altitude of an aircraft above the earth comprising, in combination, an antenna capable of transmitting the generated waves and of receiving the reflected waves, a source of high frequency waves connected with the said antenna, the said source being capable of generating and detecting oscillations, means connected with said source to vary its tuning continuously and uniformly at a known rate and through a known range, and a frequency indicator connected with the said source.

2,045,072
METHOD AND MEANS FOR MEASURING ALTITUDE OF AIRCRAFT
Lloyd Espenschied, Kew Gardens, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Original application April 29, 1930, Serial No. 448,409. Divided and this application January 30, 1936, Serial No. 61,602
5 Claims. (Cl. 250—1)



1. In a system for determining the altitude of an aircraft above a reflecting surface, the combination upon said aircraft of a generator of radio frequency waves, having means for varying the frequency thereof, an antenna connected to the said source to transmit the said waves, a loop antenna for receiving waves reflected from said surface and a controllable amount of the direct waves transmitted from the first-mentioned antenna, the tuning of the loop remaining fixed in its frequency characteristic, means for beating together the said received waves, and means responsive to the beat frequency to indicate the altitude of the craft in terms of distance.

2,045,073
ALUMINUM FURNACE
Hilliary Eldridge, deceased, late of Oakland, Calif., by Martha K. Eldridge, Oakland, Calif., administratrix
Application September 23, 1933, Serial No. 690,675
7 Claims. (Cl. 204—20)



1. In an aluminum furnace of the character described, a furnace body provided with a refractory core having a central recess formed in its upper face, and having an annular ore chamber encircling said recess and having a plurality of openings formed in said core for connecting said recess with said chamber.

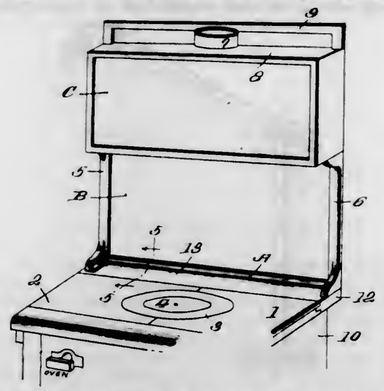
2,045,074
MERCERIZING LIQUORS
Jacques Feldmann, Basel, Switzerland, assignor to the firm of J. R. Geigy A. G., Basel, Switzerland
No Drawing. Application August 18, 1934, Serial No. 740,539. In Germany September 7, 1933
10 Claims. (Cl. 8—20)

1. A process for increasing the wetting and penetrative capacity of alkaline mercerizing liquids, which consists in adding to the mercerizing liquid a cymene sulphamide, a carboxylic acid of the terpene series and a solution promoter and distributor.

6. A preparation suitable for addition to an alkaline mercerizing liquid, comprising cymene sulphamide, a carboxylic acid of the terpene series and a solution promoter and distributor, jointly.

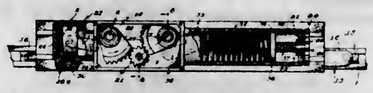
2,045,075
TOP AND FLUE FOR RANGES
William H. Frick, Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo., a corporation of New Jersey
Application May 14, 1935, Serial No. 21,446
2 Claims. (Cl. 126—211)

1. In a cooking range, a solid cooking top having a flue opening adjacent its rear edge, a flue pipe supported on said top and having its lower end in communication with said flue opening, said pipe having a flat front wall which extends substantially across the entire rear end of the range to form a splash back, said top on its upper face provided with a rib extending entirely across the rear end of the range top, said rib having a curved front wall and a vertically disposed rear wall which abuts the flat front wall of the said flue pipe, said rib functioning to prevent spillovers from seeping or running under the front wall of said flue pipe and adding a pleasing



rounded appearance to the rear end of the cooking top.

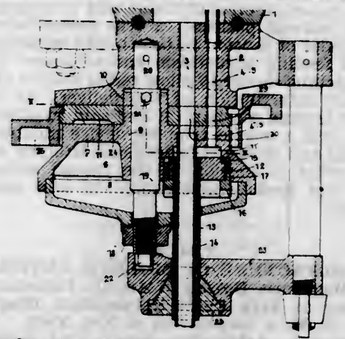
2,045,076
DOOR CHECK AND CLOSER
Forrest C. Garrison, Chicago, Ill., assignor to The Oscar C. Rixson Co., Chicago, Ill., a corporation of Illinois
Application August 15, 1935, Serial No. 36,359
7 Claims. (Cl. 16—62)



1. An overhead door checking and closing mechanism comprising a frame structure adapted to fit lengthwise in the head jamb over a door which frame structure is formed to provide a pair of opposed cylinders with an intermediate gear casing, said gear casing having journaled therein three vertical spindles, one of said spindles having an arm fixed thereto with a door connection at its opposite end whereby said spindle will be turned when the door is opened, said one spindle having gear connections with each of the other two spindles, a plunger in each of said cylinders, said other two spindles being each linked to one of said plungers, and a spring for resisting the motion of one of said plungers.

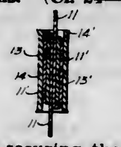
2,045,077
COCK WITH ROTARY CONTINUOUS DISTRIBUTOR FOR MACHINES TO FILL BOTTLES WITH LIQUID UNDER PRESSURE
André Gély, Paris, France
Application March 10, 1934, Serial No. 715,024
In France March 10, 1933
2 Claims. (Cl. 226—122)

1. A cock for drawing liquids under pressure comprising a flat rotary distributor, a pair of flanges having said distributor rotating therebetween, said distributor having a plurality of ports and chambers formed therein, said flanges each having a plurality of ports formed therein, said lower flange having a delivery pipe connected to one of said ports, said lower flange having a chamber formed in its lower face and connected to a pair of said ports, a pipe having said delivery pipe therein and connected to said chamber of said lower flange, and said distributor rotating so that said ports and chambers of said distributor and said ports of said flanges will be aligned at desired periods of the rotation of said distributor



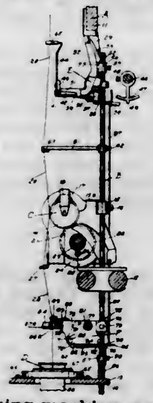
for performing the various stages for the purpose set forth.

2,045,078
BUCKLE
John B. Graves, Jr., Dallas, Tex., assignor to The Murray Company, Dallas, Tex., a corporation of Texas
Application April 6, 1935, Serial No. 15,000
8 Claims. (Cl. 24—21)



1. A fastener for securing the tie bands of a bale comprising, a member through which the ends of the band are passed and bent to overlie the outer sides thereof, and movable means for engaging the ends to retain said ends in bent position.

2,045,079
EQUIPMENT FOR SPINNING MACHINERY
Martin Francis Haas, Wilkes-Barre, Pa.
Application June 20, 1934, Serial No. 731,517
2 Claims. (Cl. 117—29)



1. In a spinning machine, a frame; a twisting element mounted on said frame; mechanism for feeding thread to said twisting element; a power source; a rod designed for reciprocation in said frame and normally positioned to effect delivery of power from said power source to said feeding

mechanism and said twisting element; a latching device mounted on said frame and retaining said rod in normal position; a trip device actuated upon relief of tension in the thread being guided to said feeding mechanism and arranged to trip said latching device to allow reciprocation of said rod and interruption of the delivery of power to said feeding mechanism and said twisting element; and a second tripping device mounted on said rod and designed to trip said latching device upon relief of tension in the thread being fed from said feeding mechanism to said twisting element.

2,045,080

MANUFACTURE OF MOLDED ARTICLES

Max Hagedorn, Dessau in Anhalt, Germany, assignor to Agfa Ansco Corporation, Binghamton, N. Y., a corporation of New York

No Drawing. Application June 1, 1933, Serial No. 673,927. In Germany June 2, 1932
13 Claims. (Cl. 18—55)

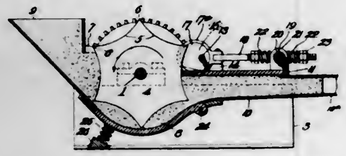
4. In the manufacture of shaped articles the steps which comprise reacting with the solution of a metal salt of a metal selected from the group consisting of the magnesium family, the aluminium family, the iron period, the chromium family, the antimony family, the tin family, and the copper family of the periodic system on a solution of a compound selected from the group consisting of polymeric carboxylic acids and their alkali metal salts, washing the metal salts obtained, drying said metal salts and molding said metal salts by means of heat and pressure.

2,045,081

MACHINE FOR TRANSLATING SEMIFLUIDS AND COMMINUTED SOLIDS

Walter L. Hart, Milwaukee, Wis.

Application April 15, 1935, Serial No. 16,448
2 Claims. (Cl. 198—128)



1. Apparatus for translating semi-fluids comprising a rectangular casing substantially open at its top, a pocketed impellar journaled above said casing and having its lower portion depending between the side walls so that its periphery is adjacent the bottom of the casing, and a reciprocating gate closing the remaining open top portion of the casing and having abutting engagement at one end with the periphery of the rotating impeller.

2,045,082

CORNCRIB AND GRANARY

Peter J. Hegnes, Canton, S. Dak.

Application July 27, 1935, Serial No. 33,577
8 Claims. (Cl. 20—.5)

1. In a structure of the type set forth, a series of spaced T-shaped uprights, the webs of which converge inwardly, cross-strips in the spaces between the uprights engaging in the corners between the heads and webs thereof, spacing blocks between the strips also engaged in said corners to hold the strips vertically spaced from each other, shutters, means to connect the shutters for vertical adjustment to the strips thereby to vary or completely close the space between adjacent strips, a roof connected to the uprights



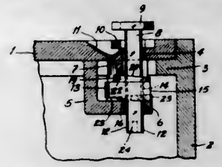
and tie wires having turn-buckles encircling the uprights to frictionally hold the uprights, strips and spacing blocks in assembled relation.

2,045,083

COVER FOR MANHOLE FRAMES OR THE LIKE

Walter E. Illig, St. Louis, Mo., assignor to Banner Iron Works, St. Louis, Mo., a corporation of Missouri

Application December 17, 1934, Serial No. 757,847
7 Claims. (Cl. 292—240)



1. A device for locking a cover to a frame, said cover having an opening therein and having a bracket on its inner side with an opening thru the bracket, comprising a pin slidably mounted in the openings thru the cover and bracket and having means adapted to engage a portion of said cover for preventing rotation of the pin when it is moved into a certain position with respect to the cover, and a member slidably mounted on said pin for rotation therewith between said cover and said bracket and adapted to engage a portion of said frame for holding the cover thereon.

2,045,084

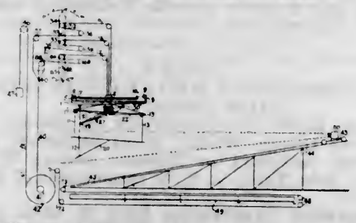
METHOD AND MEANS FOR PRODUCING COMPOSITE PICTURES

Fred W. Jackman, Beverly Hills, Calif., assignor to Warner Bros. Pictures, Inc., New York, N. Y., a corporation of Delaware

Application December 26, 1931, Serial No. 583,286
17 Claims. (Cl. 88—16)

1. Photographic apparatus comprising a miniature aircraft, a camera for photographing said aircraft, suspension means for said aircraft connected to said camera and comprising speed changing means whereby said camera is adapted to travel a greater distance than said aircraft in a given length of time, and an inclined track for said camera, the angle of inclination of said track being so related to said speed changing means

that said aircraft remains in the correct position of the field of view of said camera while said camera is moving on said inclined track.



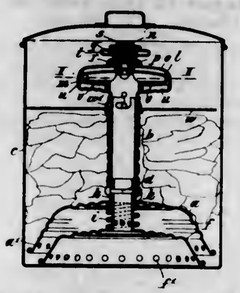
7. The method of making a composite photograph of an aircraft and a background scene appropriate thereto, which comprises preparing a motion picture film of successive portions of a path in said background scene where the aircraft is to appear, and simultaneously light impressing at a motion picture speed an unexposed film with the images of the successive frames of said background film and with images of an aircraft in said path in mutually exclusive areas, while maneuvering said aircraft in a predetermined path before said unexposed film to change the angular appearance of the image of said aircraft in said path to simulate actual flight conditions of said aircraft before said background scene, the path of said aircraft being such that said aircraft occupies successive positions corresponding to the successive positions of the path in said background scene.

2,045,085

STEAM WASHING MACHINE

Josef Kampschulte, Osnabruck, Germany, assignor to Harold Ashton Richardson, New York, N. Y.

Application October 18, 1932, Serial No. 638,361
In France December 12, 1931
1 Claim. (Cl. 299—67)



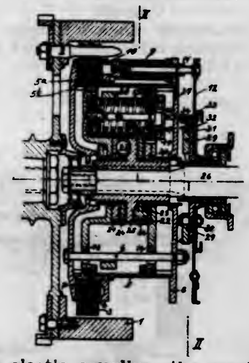
In a steam washing machine, a pipe adapted for the upward flow of fluid therethrough, a discharge pipe extending transversely of and rigid with the upper end of the aforesaid pipe and having two oppositely directed tangentially arranged discharge apertures, a spindle rising centrally from the discharge pipe, a hollow rotary fountain head having a central bore loosely supported on said spindle above said discharge pipe and surrounding the same, inclined turbine blades on the bottom of said fountain head within the range of the discharge apertures of said discharge pipe and adapted to impart a rotary movement to said fountain head, said fountain head having apertures in its bottom between said blades for directing the fluid downwardly around the first named pipe.

2,045,086

ELASTIC CLUTCH

Alfred Kästner, Berlin-Lichterfelde, Germany

Application July 25, 1931, Serial No. 553,143
In Germany July 28, 1930
14 Claims. (Cl. 192—56)



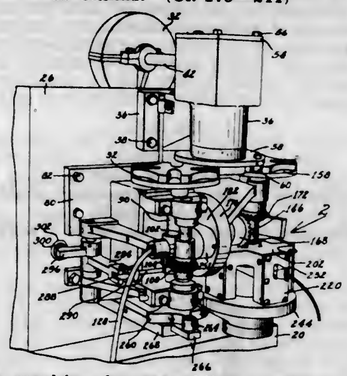
1. In an elastic coupling, the combination of a plurality of control plates provided with grooves, means for pressing said plates towards one another, and rolling members arranged in said grooves between said plates adapted to transmit torque from one plate to another, the curvature at the deepest portion of the grooves having a greater radius than that of the rolling members, a clutch, an element extending from said clutch, a device adapted to cooperate with said element and actuated by said control plates to control said clutch on the attainment of a certain torque, and means adapted to cooperate with said element to limit the stroke of said plates and thereby determine the torque at which said device becomes operative to control said clutch.

2,045,087

INSULATING MACHINE

Clarence J. Keller and John Q. Holmes, Anderson, Ind., assignors, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

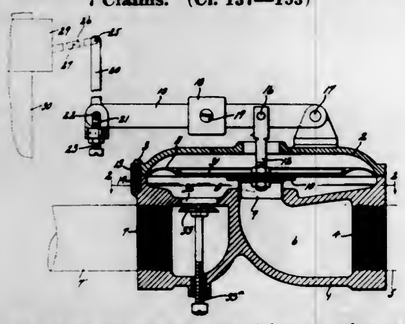
Application March 21, 1932, Serial No. 600,352
52 Claims. (Cl. 173—244)



1. A machine for assembling a rubber collar with a conductor comprising, in combination, a device for stretching a collar in order to receive the conductor; two cooperating members for cutting a length from a fed rubber tubing to form a collar, one of said members being movable and

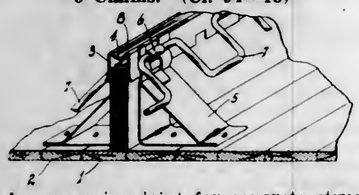
aligning the collar with the stretching device; and means for transferring the aligned collar to the stretching device.

2,045,088
VALVE
Otto J. Kuenhold, Shaker Heights, Ohio
Application November 10, 1931, Serial No. 574,147
7 Claims. (Cl. 137—153)



1. A valve structure, comprising a valve casing having a gas inlet chamber and a gas outlet chamber, inter-communication of which is effected by a port therebetween, a movable abutment in said casing and constituting a closure for said port, said abutment being of greater area than said port and also constituting at least a part of a wall of said outlet chamber, the gas pressure on one face of said abutment constituting a varying force biasing said abutment for movement in port-opening direction, means constituting a constant force biasing said abutment for movement in port-closing direction, said constant biasing force being greater than the force of the gas pressure against that portion of said abutment which constitutes a closure for said port, and mechanical means having a lost motion connection therein and operatively connected with said abutment for effecting, when actuated, limited movement of said abutment relative to said port, and means for actuating said mechanical means, the parts being so constructed and arranged that when limited movement of said abutment relative to said port has been effected by actuation of said mechanical means, one of said abutment biasing forces preponderates over the other and said preponderating force, by taking up the lost motion in said mechanical means, is effective to continue such movement of said abutment relative to said port.

2,045,089
EXPANSION JOINT
Charles E. Kyte and Roswell F. Reid, Santa Ana, Calif.
Application August 30, 1933, Serial No. 687,442
5 Claims. (Cl. 94—18)



1. An expansion joint for concrete structures comprising an expansion strip, a metal rider resting on the top of said strip, said rider having a groove in the top thereof, brackets attached to the sides of the rider, a sleeve on the brackets, and a wire threaded thru the sleeves and embedded in the concrete.

2,045,090
CUPRIFEROUS POLYAZO DYES AND THEIR PRODUCTION
Werner Lange, Dessau-Ziebigk in Anhalt, and Ulrich Dreyer, Wolfen, Kreis Bitterfeld, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application April 30, 1934, Serial No. 723,162. In Germany May 3, 1933
16 Claims. (Cl. 260—12)

1. The process which comprises heating in an aqueous solution with a cupric compound of the group consisting of cupric hydroxide, cupric carbonate, cupric acetate and cupric ammonium compounds the alkali metal salts of a polyazo dye of the general formula

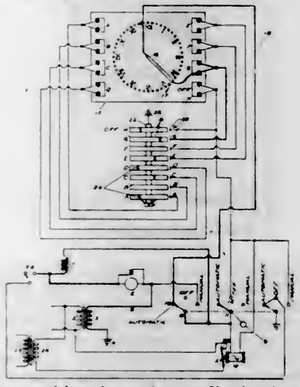
$$(A\text{—}N{=}N\text{—})_n\text{—}R\text{—}N{=}N\text{—}\text{a diphenylamine sulfonic acid}$$

(X(1) and Y(3) on R)

wherein R is a radicle of the benzene series, wherein X and Y mean OH or NH_2, A is the radicle of a diazo component of the benzene or naphthalene series and n means 1 or 2.

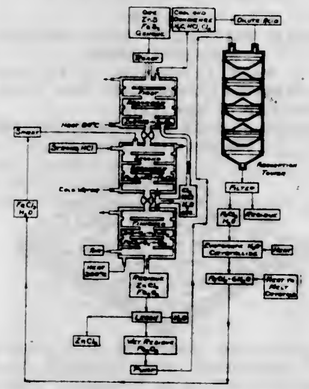
10. Copper containing dyes dyeing leather, silk or wool generally brown tints of good fastness to alkalies or acids, said dyes being obtainable according to the process covered by claim 1.

2,045,091
AUTOMATIC TUNING SYSTEM FOR RADIO RECEIVERS
Kenneth Merrill McLaughlin, Philadelphia, Pa., assignor to Atwater Kent Manufacturing Company, Philadelphia, Pa., a corporation of Pennsylvania
Application August 14, 1934, Serial No. 739,717
3 Claims. (Cl. 250—40)



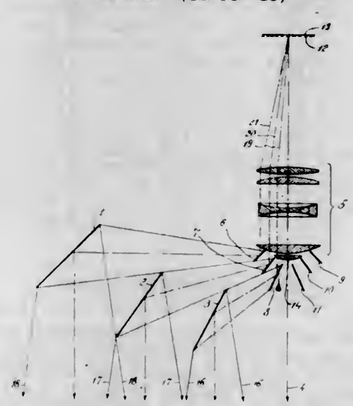
1. The combination of a radio tuning system, an electric motor of relatively low impedance for automatically tuning said radio system, a source of power for said motor and said system, a relay having a relatively high impedance winding for de-energizing said radio system during the operation of said motor, and circuit connections for serially connecting said low impedance motor and said high impedance relay after automatically tuning to a desired signal.

2,045,092
METHOD OF CHLORIDIZING ORE MATERIALS
Thomas A. Mitchell, Denver, Colo., assignor to Hughes-Mitchell Processes, Incorporated, Denver, Colo., a corporation of Wyoming
Application May 28, 1934, Serial No. 727,907
7 Claims. (Cl. 75—113)



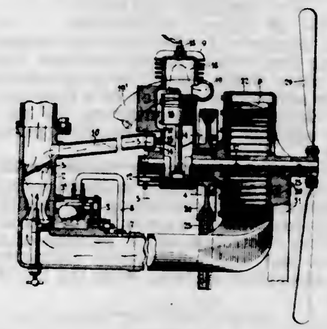
1. The method of chloridizing an ore material comprising the steps of adding iron chloride directly thereto, heating the ore mixture with air to a temperature at which iron oxide and a chloridizing gas is developed therefrom, while causing the gas to convert an ore metal value to a chloride, leaching the ore metal chloride from the material and providing a residue containing iron oxide, treating the residues with the excess of chloridizing gas used in the process and thereby forming iron chloride, separating the iron chloride from the residue and returning the iron chloride for chloridizing further ore metal values.

2,045,093
STEREOSCOPIC PHOTOGRAPHY
Harry S. Newcomer, New York, N. Y., assignor to United Research Corporation, Long Island City, N. Y., a corporation of Delaware
Application September 30, 1933, Serial No. 691,604
5 Claims. (Cl. 95—18)



1. Arrangement for photographically producing an interlined stereogram comprising means to support a light sensitive surface, a lineater, an objective lens having more than two zones adapted to transmit a corresponding number of discrete images of an object respectively with substantially equal light intensity and definition, and means comprising an arcuate array of a plurality of pairs of separate mirrors for admitting to the entrance pupil of said objective an image of a different angular view of an object for each of said zones, said lineater and said light sensitive surface being on the opposite side of said objective from said admitting means.

2,045,094
MOTOR VEHICLE POWER PLANT
John R. Oishei, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application July 20, 1932, Serial No. 623,610
6 Claims. (Cl. 123—195)



1. A motor vehicle power plant comprising a vehicle propelling engine of the internal combustion type, an intake manifold therefor having a throttle valve, a carburetor, an air compressor for delivering air under pressure through the carburetor to the intake manifold to compress the combustible mixture in the latter as it is delivered to the engine, a second internal combustion engine of the two-cycle type operating the air compressor, and a conduit connecting the second engine to said manifold between the first engine and said throttle valve whereby the control of both engines will be substantially concurrent with the adjustment of the throttle valve.

2,045,095
PROCESS OF MAKING POROUS LONG FIBERED NONHYDRATED PAPER
Fay H. Osborne, Windsor Locks, Conn., assignor to C. H. Dexter & Sons, Incorporated, Windsor Locks, Conn., a corporation of Connecticut
No Drawing. Application July 21, 1934, Serial No. 736,302. Renewed January 28, 1935
19 Claims. (Cl. 92—14)

1. In the process of manufacturing paper having the characteristics described, digesting stock having long fibers devoid of twisting tendencies to an extent where the fibers may be subsequently separated without pressure, separating the digested fibers without mechanical pressure or hydration, suspending the fibers in an extremely large proportion of water, and depositing the fibers on a traveling meshed sheet-forming screen while permitting the water to flow rapidly and freely through the screen.

2,045,096
POROUS LONG FIBERED NONHYDRATED PAPER
Fay H. Osborne, Windsor Locks, Conn., assignor to C. H. Dexter & Sons, Incorporated, Windsor Locks, Conn., a corporation of Connecticut
No Drawing. Application November 22, 1934, Serial No. 754,307
8 Claims. (Cl. 92—3)

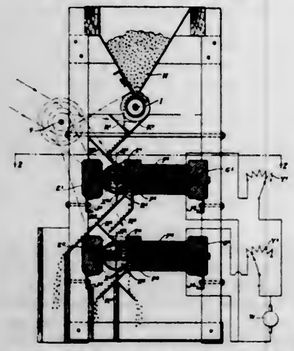
1. A porous, long fibered paper consisting of uncrushed, cylindrical, soft, non-hydrated fibers of substantially uniform length uniformly distributed to leave substantially uniformly spaced openings throughout the area of the paper.

2,045,097
TREATMENT OF MILK PRODUCTS
Herbert E. Otting, Westerville, Ohio, assignor to M & R Dietetic Laboratories, Inc., a corporation of Ohio
No Drawing. Application August 29, 1931, Serial No. 560,242
30 Claims. (Cl. 99—60)

1. The method of effecting the removal of phosphate ions from aqueous solutions containing the same which comprises subjecting silica gel to the action of a solution of a hydroxyl-ion-yielding electrolyte and contacting the silica gel with an aqueous solution containing phosphate ions.

2. The method of reducing the proportions of calcium and phosphate ions in liquid milk products which comprises contacting a normally inert adsorptive material with a solution of a hydroxyl-ion-yielding electrolyte and a solution of an alkali metal salt, and subsequently contacting the treated adsorptive material with the liquid milk product.

2,045,098
APPARATUS FOR MAGNETIC SEPARATION
Clarence Q. Payne, Stamford, Conn.
Application September 14, 1933, Serial No. 689,373
6 Claims. (Cl. 209—219)



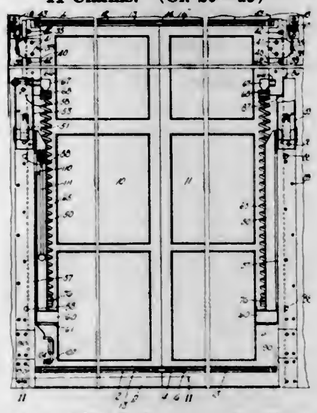
1. In a magnetic separator of the type described the combination with an opposed pole electro-magnet of a rotor armature mounted between the pole faces of said electro-magnet, said armature comprising a series of interleaved alternating larger and smaller magnetic disks, the edges of said larger disks having a continuous series of spaced transverse recesses, the recesses in the larger disks and the spaces between the larger disks and circumferential to the smaller disks being filled with non-magnetic material forming with the projecting portions of the larger disks an even, continuous, substantially smooth armature surface with flat topped rectangular magnetic areas and the circumferential and transverse edges of the said projecting portions forming zones of concentration of flux density along circumferential and longitudinal lines and zones of still greater concentration at their meeting points.

2,045,099
CELLULAR MATERIAL AND METHOD OF MAKING SAME
Thomas C. Pond, Larchmont, N. Y., assignor to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application July 23, 1932, Serial No. 624,294
2 Claims. (Cl. 25—155)



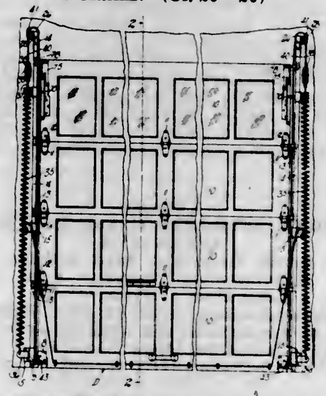
2. A preformed structural unit comprising a shaped, compressed and densified, and then hardened mixture of a hydraulic cementitious material and reenforcing fibers of the type of asbestos, the said unit being provided with voids extending individually from face to face of the unit and corresponding to the spaces occupied originally by individual granules of filler material initially incorporated and subsequently removed and the said unit being substantially identical with the product made as described in the preceding claim.

2,045,100
OVERHEAD DOOR
David M. Robinson, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application August 26, 1932, Serial No. 630,547
11 Claims. (Cl. 20—19)



1. In an overhead door construction, a door frame having a door opening, a one-piece door adapted to close said opening and movable from a vertical closed position to an overhead horizontal position, a pair of rearwardly extending tracks adjacent the upper end of the doorway and disposed on opposite sides thereof, a carrier movable along each track, means for pivotally connecting the door adjacent its upper end to said carriers, a pair of swinging arms disposed behind the door adjacent opposite sides thereof, each arm being fixedly pivoted at its upper end and being pivotally connected to the door adjacent the lower end of the latter, counterbalancing springs for assisting in raising the door, and fixed fulcrum members fixed to the door frame and projecting into the door opening and against which the rear face of the door is adapted to engage as the door is brought into closed position.

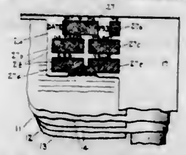
2,045,101
ARTICULATED OVERHEAD DOOR
David M. Robinson, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a corporation of Connecticut
Application September 3, 1932, Serial No. 631,635
7 Claims. (Cl. 20—20)



1. In an overhead door construction, a pair of tracks each having a vertical section, a horizontal section and a curved connecting portion; an articulated door comprising a plurality of hingedly connected sections guided by said tracks and movable from a vertical closed position to an overhead and generally horizontal position; and counterbalancing means at each side of the door, each of said counterbalancing means including a fixed overhead pulley, a cable anchored at its upper end and passing over said pulley and connected at its other end to the lower end of the door, said cable having a depending loop between its anchored upper end and said pulley, a traveling sheave supported by said loop, a coiled tension spring having one end adjustably connected to said traveling sheave and its other end fixed adjacent the lower end of the track, means for adjusting the length of said cable to regulate the operative spring tension, and means associated with said sheave for selectively engaging the various coils of said spring to regulate the effective length thereof.

2,045,102
MANIFOLDING DEVICE
John E. Rohn, Rockville Centre, N. Y., assignor to Autographic Register Company, Hoboken, N. J., a corporation of New Jersey
Application March 12, 1932, Serial No. 598,343
1 Claim. (Cl. 282—1)

In a manifolding machine, a platen whereupon worksheet strips with interleaved transfer material are supported for writing operations; a plate supported over the platen having designated writing openings for indicating to the operator the location of invisible designated indicia-receiving spaces on the under strips so that writing may be performed thereon through the medium of said transfer material with a pencil



or the like; and an impression transmitting writing surface directly under and carried by the plate to prevent writing performed in said designated spaces from appearing on the uppermost strip.

2,045,103
INSULATED CONDUCTOR
Samuel J. Rosch, Yonkers, N. Y., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware
Application May 26, 1934, Serial No. 727,642
5 Claims. (Cl. 173—264)



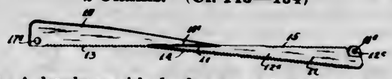
1. An electric conductor having an envelope of insulation including a wrapping of tape and a body of asbestos interspersed throughout a textile network secured to said tape.

2,045,104
REENFORCED SHEATHED CABLE
Samuel J. Rosch, Yonkers, N. Y., assignor to Anaconda Wire & Cable Company, New York, N. Y., a corporation of Delaware
Application May 23, 1934, Serial No. 727,047
9 Claims. (Cl. 173—266)



1. A conductor enclosed in a body of insulation impregnated with liquid insulating material, an outer metallic sheath of a metal of relatively low tensile strength, and a strip of metal wrapped around said body of insulation, said strip having a tensile strength relatively higher than said sheath and being bonded to the inner surface of said sheath.

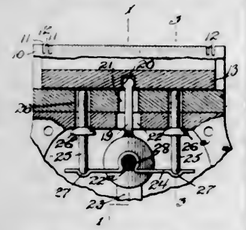
2,045,105
HACKSAW BLADE
Lino Salvador, New York, N. Y.
Application December 5, 1935, Serial No. 53,008
2 Claims. (Cl. 143—134)



1. A hacksaw blade for L and T shaped cuts, comprising a strip of material having a vertical fore portion with an end portion thereof connected by a bent portion to an end portion of an aft portion in a plane at an angle to the vertical fore portion, the bottom edge of the vertical fore portion having saw teeth continuing at

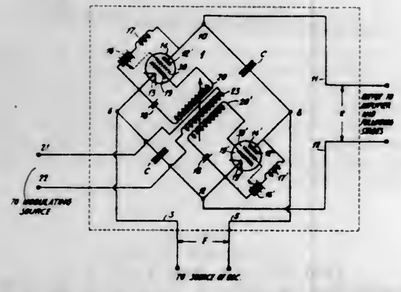
the end portion with saw teeth on one edge of the aft portion, and saw teeth on the other edge of the aft portion, and means for facilitating attachment of the blade on a hacksaw frame comprising an aperture in the free end of the fore portion and a complementary aperture similarly arranged in comparison with said aperture and formed in a lug which is parallel to said fore portion and connected with the free end of the aft portion for use in a hacksaw frame of conventional type.

2,045,106
DRY SHAVER
Jacob Schick, Stamford, Conn.
Application September 20, 1935, Serial No. 41,385
4 Claims. (Cl. 30—43)



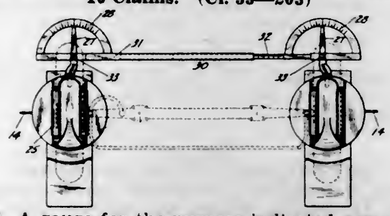
1. A dry shaver comprising an outer member, an inside cutter movable in the outer member, pins bearing on the inside cutter at its ends, and a spring supported intermediate its ends and with its ends bearing on the ends of the pins whereby both ends of the inside cutter operate under the same pressure.

2,045,107
PHASE MODULATION
Henry Shore, Elizabeth, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application December 2, 1932, Serial No. 645,436
Renewed May 3, 1934
20 Claims. (Cl. 179—171)



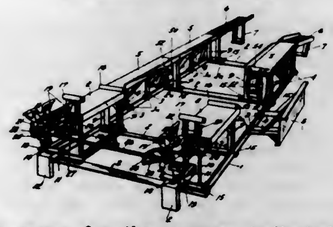
1. A phase modulator circuit comprising, a pair of thermionic tubes having their cathodes connected together by way of an impedance and their anodes connected together by way of a second impedance equal in value to the value of the first impedance, means for applying high frequency oscillations to the cathode of one of said tubes and to the anode of another of said tubes, means for varying the impedances of said tubes in phase, and a utilization circuit connected with the cathode of the other of said tubes and the anode of said first named tube.

2,045,108
TURNING ALIGNMENT GAUGE
Roy D. Smith, Davenport, Iowa, assignor to Bee Line Manufacturing Company, a corporation of Iowa
Application January 16, 1933, Serial No. 651,907
10 Claims. (Cl. 33—203)



1. A gauge for the purpose indicated comprising a supporting base, a wheel-supporting table operatively connected thereto and mounted thereon for motion in any horizontal direction and for rotation, and means for indicating amount of rotational movement of said table with relation to a movable indicator, said structure having bearings on the table and substantially parallel rollers supported by the bearings, spaced apart, and adapted to receive between them the tire of a vehicle wheel and cause the table to always assume the same position with relation to the tire.

2,045,109
VEHICLE SUPPORTING AND CHECKING APPARATUS
Roy D. Smith, Davenport, Iowa, assignor to Bee Line Manufacturing Company, Scott County, Iowa, a corporation of Iowa
Original application April 10, 1935, Serial No. 15,526. Divided and this application December 14, 1935, Serial No. 54,446
7 Claims. (Cl. 33—203)

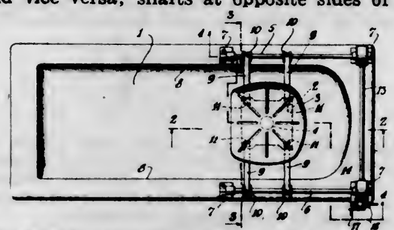


1. A gauge for the purpose indicated comprising a pair of spaced bases, a platform supported by each base and capable of translation with relation thereto, a turntable supported by each platform for supporting motor vehicle wheels and for rotation in a substantially horizontal plane, a sector connected to each turntable, laterally rigid means connecting the sectors, and indicating means cooperating with the sectors to indicate the amount of turning of the sectors with relation to the rigid means.

2,045,110
BATHTUB APPLIANCE
Otto Spiess, New York, N. Y.
Application December 4, 1935, Serial No. 52,743
2 Claims. (Cl. 4—185)

1. The combination with a bathtub; of a support within the boundaries of the tub; a seat mounted to turn on the support in a horizontal plane to thereby admit of occupancy by the bather, when the seat is in an elevated position,

from the exterior of the tub without stepping over the walls thereof and when thereafter swung horizontally of lowering the bather into the tub and vice versa; shafts at opposite sides of the

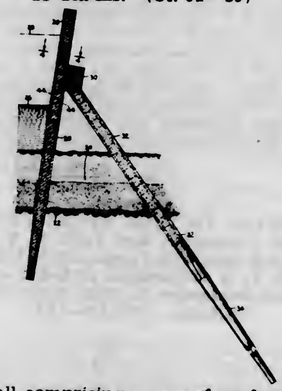


tub; flexible connections from said shafts to said support; and means to rotate the shafts in unison in either direction to thereby lift and lower the support.

2,045,111
CYANURIC ACID
Erich Theis, Mannheim, Germany, assignor to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application March 6, 1934, Serial No. 714,270. In Germany March 11, 1933
4 Claims. (Cl. 260—27)

1. A process of producing cyanuric acid which comprises heating a substance selected from the group consisting of allophanic acid chloride, biuret carboxylic acid chloride and mixtures of the said chlorides, at a temperature above 250° C.

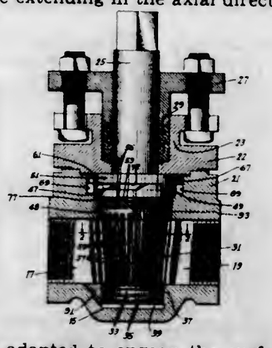
2,045,112
CONCRETE SEA WALL
Maxwell M. Upson, Englewood, N. J., assignor to Raymond Concrete Pile Company, New York, N. Y., a corporation of New Jersey
Application August 26, 1933, Serial No. 686,910
13 Claims. (Cl. 61—39)



1. A wall comprising a row of preformed concrete sheet piles, in combination with a concrete beam lengthwise of the wall at the rear and below the top thereof and integral with said piles, substantially as described.

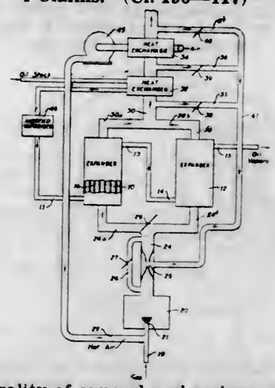
2,045,113
PLUG VALVE
Leo A. Ward, Jersey City, N. J.
Application October 14, 1933, Serial No. 693,551
3 Claims. (Cl. 251—101)

1. A plug valve comprising a body formed with fluidways and an inverted frusto-conical seat, an inverted frusto-conical plug rotatable in the seat formed with a fluidway and a plurality of ribs on its surface extending in the axial direction of the



plug and adapted to engage the surface of the seat, at least one edge of each of said ribs being disposed at an angle to the elements of the said frusto-conical surface.

2,045,114
VAPOR PHASE CRACKING APPARATUS
Ernest W. Zublin, Fort Worth, Tex., assignor to Texas Pacific Coal & Oil Co., Fort Worth, Tex., a corporation of Texas
Application July 14, 1933, Serial No. 680,345
4 Claims. (Cl. 196—117)

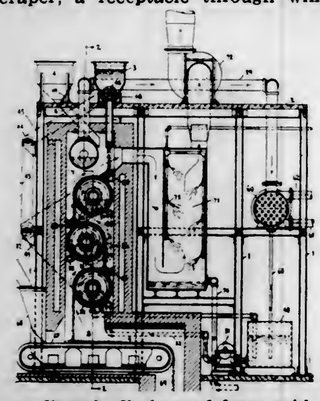


4. A plurality of expander chambers connected in series relation for cracking hydrocarbon oils in vapor phase having vapor inlet and outlet conduits, each of said chambers having a plurality of internal heating gas tubes extending therethrough and around which said vapors are adapted to pass, means for indirectly heating the vapors in said chambers including a source of heating gases, means for diluting the hot heating gases with cooler gases, means to introduce the diluted gases into the heating tubes of the chambers to indirectly heat the vapors in the same, and means to proportion the flow of diluted gases to the heating tubes of said chambers.

2,045,115
REFUSE DESTRUCTOR
John E. Allen, Michael J. Blew, and Albert C. Wood, Philadelphia, Pa.
Application July 3, 1930, Serial No. 465,565
6 Claims. (Cl. 110—15)

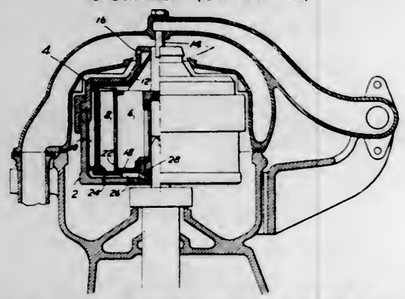
1. Apparatus of the character described comprising a rotary dryer, a scraper adjacent to said

dryer, means for supplying a cooling medium to said scraper, a receptacle through which said



cooling medium is discharged from said scraper, and means for supplying the cooling medium from said receptacle to said dryer.

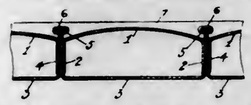
2,045,116
SELF-DRAINING SEPARATOR BOWL
Stig Beskow, Stockholm, Sweden, assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application September 14, 1932, Serial No. 633,034
In Sweden September 24, 1931
8 Claims. (Cl. 233—46)



1. A separator bowl having a number of concentric chambers and means allowing discharge of separated constituents therefrom during centrifugation, two adjacent chambers having an opening at their lower ends affording means for the passage of material to be purified from one chamber to the other, the bottom part of the bowl having a drainage passage extending toward the axis of the bowl and communicating with one of said adjacent chambers and discharging nearer the axis of rotation than does any discharge for separated constituents, whereby both of said adjacent chambers are rendered self-draining.

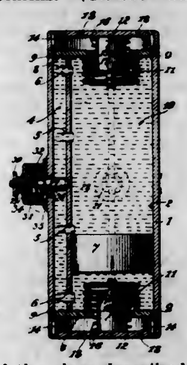
2,045,117
FLOOR AND ROOF CONSTRUCTION
Donald Brown, Newcastle-upon-Tyne, England, assignor of twenty-five per cent to Thorvald N. Garson, Staten Island, N. Y.
Application August 3, 1935, Serial No. 34,526
In Great Britain February 4, 1933
6 Claims. (Cl. 72—70)

1. A floor or roof construction comprising standardized sheet metal elements assembled to form abutting cavity panels, each panel comprising a ceiling plate with upstanding flanges along its side edges and an arched plate interposed between said flanges to maintain them spaced and in parallel relationship, said panels being inter-



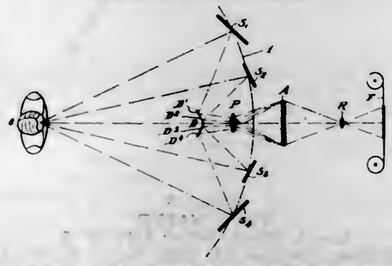
locked side by side by C-shaped strips which engage with, and throughout the length of inturned lips on the upper edges of the abutting upstanding flanges of adjoining ceiling plates, said panels being closed at their ends by the plates.

2,045,118
TIMING DEVICE
Jesse J. Brown, Syracuse, N. Y.
Application March 26, 1934, Serial No. 717,333
7 Claims. (Cl. 200—34)



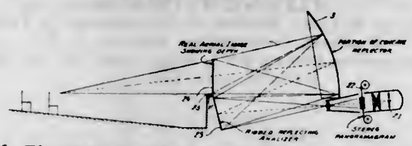
1. A device of the class described comprising a hermetically sealed cylinder, a piston movable by gravity within said cylinder, sylphon members hermetically sealed to the end walls of said cylinder and being adapted to be collapsed by the weight of said piston, electrical switches operated by said sylphons, and means to control the speed of movement of said piston relative to said cylinder.

2,045,119
MOTION PICTURE STEREOSCOPY
Arthur W. Carpenter, New York, N. Y., assignor to United Research Corporation, Long Island City, N. Y., a corporation of Delaware
Application September 25, 1933, Serial No. 690,829
2 Claims. (Cl. 88—16.6)



1. A motion picture stereoscopic photographing arrangement comprising the combination of an arcuate array of a plurality of pairs of plane reflecting surfaces each adapted to form a reflected image of an object from a discrete viewpoint; said surfaces being symmetrically disposed about a base line symmetrical with regard to said base line and a lineater disposed in front of a light sensitive surface, said lineater receiving light rays reflected from said plane reflecting surfaces, means symmetrical with respect to said base line for simultaneously diverting rays from a plurality of said plane reflecting surfaces to said lineater and to said light sensitive surface, and a relay lens between said lineater and said light sensitive surface.

2,045,120
PROJECTION OF MOTION PICTURES
Arthur W. Carpenter, New York, N. Y., assignor to United Research Corporation, Long Island City, N. Y., a corporation of Delaware
Application September 28, 1933, Serial No. 691,264
6 Claims. (Cl. 88—16.6)



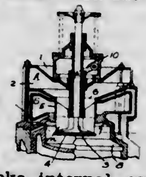
1. Picture projection apparatus comprising the combination of a concave reflector facing a number of viewing stations and comparable in width to the horizontal extent of the proximate viewing stations, means for abaxially projecting an interlined stereogram towards said reflector, said projector comprising means for focusing the projected stereogram at a locus in front of said reflector, whereby a real aerial image of said stereogram is formed abaxially of said reflector out of the line of said projection, and means intermediate said projector and said reflector for analyzing said stereogram to produce said real image in relief.

2,045,121
APPARATUS FOR THE MANUFACTURE OF METAL CLOSURES
Leslie R. N. Carvalho, Toledo, Ohio, assignor to The Closure Service Company, Toledo, Ohio, a corporation of Ohio
Application September 19, 1933, Serial No. 690,093
5 Claims. (Cl. 113—113)



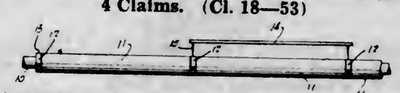
1. In combination, a forming die including a stationary lower die member, an upper die member mounted for recprocation toward and from the lower die member along an inclined axis, means for delivering partially completed articles one at a time to the die and placing them upon the lower member including an inclined trough, a guide bar extending lengthwise over the trough in position to guide articles during their travel along the trough and hold them until they are positioned over the lower die member, means actuated by movement of the upper die member for releasing the articles in the trough and allowing them to move one at a time to said position over said lower die member, and means for withdrawing said guide bar in the direction of its length and thereby releasing the article to the die.

2,045,122
FOUR-STROKE-CYCLE ENGINE WITH COMBINED ADMISSION AND EXHAUST VALVE GEAR
Armando Levi Cases, Padova, Italy
Application May 12, 1932, Serial No. 610,766
In Italy May 12, 1931
5 Claims. (Cl. 123—79)
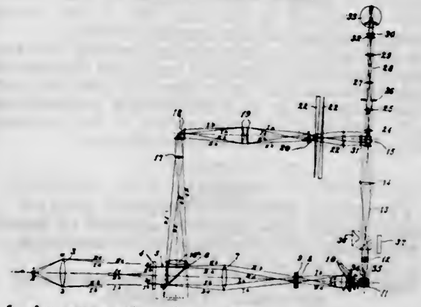


1. A four-stroke internal combustion engine having inlet and exhaust passages and cylinders provided with at least one combined inlet and exhaust valve, said valve having a member periodically opening into the associated cylinder and a sleeve valve associated with said valve for periodically and alternately establishing communication of the cylinder with the inlet and exhaust passages, said sleeve valve having means comprising impelling members for imparting a rotatory movement to the gaseous charge in its passage from the inlet towards the cylinder.

2,045,123
METHOD OF MANUFACTURING RUBBER HOSE FOR AIR LINES
Albert B. Chambers, Philadelphia, Pa.
Application June 25, 1935, Serial No. 28,339
4 Claims. (Cl. 18—53)



1. In the manufacture of sections of rubber hose for air-lines, which includes the step of wrapping a fabric under tension about hose sections of material to be vulcanized after they are assembled on a pole, the step of fastening a spacing ring on the pole between substantially adjacent the ends of adjoining hose sections.

2,045,124
APPARATUS FOR MEASURING TURBIDITY
Arthur B. Cummins, Plainfield, Marion S. Badollet, Fanwood, and Morrow C. Miller, Somerville, N. J., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application September 1, 1933, Serial No. 687,736
3 Claims. (Cl. 88—14)



1. An apparatus for measuring the turbidity of a medium comprising in combination means

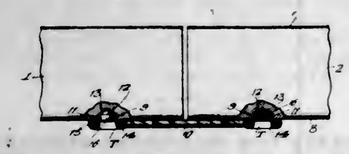
for uniformly illuminating the surface of an object of the type of a lens, means for splitting each ray of light from the effective area of the said surface into two beams of known relative intensities and forming two similar images of the surface of the said object separated in space from each other, means for projecting one of the said images in greatly reduced size as an incident beam into the said medium, means for causing the resulting emergent Tyndall beam to illuminate uniformly the surface of a second object of the type of a lens, means for imaging the surface of the said second object on a portion of a comparison field, means for causing the other of the said images of the first-mentioned object to illuminate a part of the comparison field adjacent to the said portion, and means for comparing the intensities of illumination of the said part and portion of the comparison field.

2,045,125
ANESTHETIC SOLUTIONS
David Curtis, New York, N. Y.
No Drawing. Application October 19, 1935, Serial No. 45,779
13 Claims. (Cl. 167—52)

1. As a new compound, propyl-para-amino-benzoyl—acetyl salicylate, being a yellowish crystalline powder of low melting point and having the formula of $C_6H_4NH_2.COO.C_3H_7—C_6H_4O.(CH_3.CO).COOH$.

3. As a new anesthetic preparation, the solution of propyl-para-amino-benzoyl—acetyl salicylate in glycol.

2,045,126
CONDUCTOR
Edward M. Deems, Forest Hills, N. Y., assignor to Railroad Accessories Corporation, New York, N. Y., a corporation of New York
Application May 21, 1931, Serial No. 538,943
12 Claims. (Cl. 173—280)

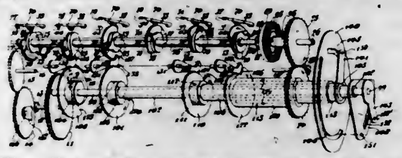


2. In a rail bond, in combination: a conductor having a terminal formed with a recess and means for conductively attaching the conductor to a rail head having a cavity of uniform bore formed with an end wall, said means including a body adapted to be expanded in said recess and thereby to expand said terminal in said cavity while supported by an end wall of the cavity against substantial displacement bodily.

8. The method of electrically bonding to a rail which comprises forming a cavity in the side of a rail head so far down thereon and of such shallowness as to be substantially without the active load bearing cross-section of the rail and affixing therein an electrical conductor.

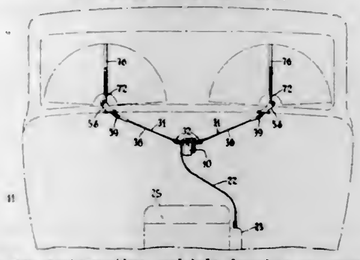
2,045,127
ELECTRIC SWITCH CONTROL MEANS
Anton Diebold, Newark, N. J., assignor to American Gasaccumulator Company, Elizabeth, N. J., a corporation of New Jersey
Application April 11, 1931, Serial No. 529,427
29 Claims. (Cl. 200—27)

1. In electric switch control means, the combination of a plurality of independently actuated electric switches, a rotatable cam unit including a plurality of cams for actuating said switches successively and at intervals, a power storing means for causing rotation of the said cam unit, separate means associated with each cam for con-



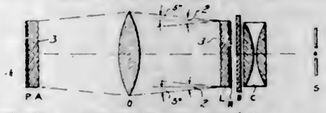
trolling the rotation of said unit, means for actuating said separate means in unison, and means for adjusting said separate means relatively to each other to vary the time interval between the actuation of successive switches.

2,045,128
MOTOR VEHICLE AND WINDSHIELD CLEANER THEREFOR
George Dykstra, Buffalo, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.
Application September 2, 1932, Serial No. 631,564
1 Claim. (Cl. 15—255)



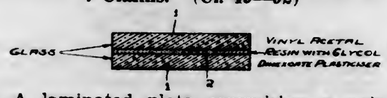
In an automotive vehicle having a cowl and windshield, a cleaner motor having means for supporting it beneath the cowl, a rocker shaft in the cleaner motor having its ends extending from opposite sides of the motor, a flexible shafting unit connected to each end of said shaft for rocking action therewith, a pair of windshield wiper arms disposed adjacent the windshield and cowl, a pair of supports mounted upon the cowl, and means carried by the supports and connecting the flexible shafting units to the wiper arms, respectively, for transmitting power from the motor through the shafting units to the wiper arms.

2,045,129
PRINTING
Clair L. Farrand, Larchmont, N. Y., assignor to United Research Corporation, Long Island City, N. Y., a corporation of Delaware
Application September 28, 1933, Serial No. 691,265
4 Claims. (Cl. 88—24)



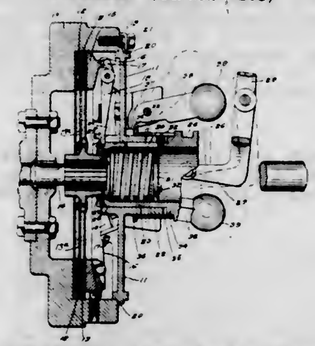
1. Printing apparatus comprising a negative stereogram, a lineator therefor, means for uniformly illuminating said negative stereogram, a positive, a second lineator in front of said positive, an objective between negative and said positive, said objective having a diameter equal substantially to $2d \tan \theta$, where "d" is the distance of said objective from said negative, and θ equals one half of the viewing angle recorded on said negative.

2,045,130
SAFETY GLASS
Earl L. Fix, New Kensington, Pa., assignor to Pittsburgh Plate Glass Company, a corporation of Pennsylvania
Application February 25, 1936, Serial No. 65,599
7 Claims. (Cl. 49—92)



1. A laminated plate comprising a pair of glass sheets adhered to the opposite sides of a sheet of a polymerized incomplete poly-vinyl acetal resin mixed with a glycol dihexoate as a plasticizer, said plasticizer constituting 25 to 45 per cent of the mixture of resin and plasticizer.

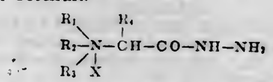
2,045,131
CLUTCH MECHANISM
Michael G. Giordano, Providence, R. I.
Application June 17, 1932, Serial No. 617,713
6 Claims. (Cl. 192—105)



1. In combination, a fly wheel, a driven shaft, a pressure clutch plate in said fly wheel, a driven clutch plate splined to the driven shaft, a control element slidable axially with respect to the fly wheel, means in said control element for sliding said control element in one direction, and means comprising weights movable upon increase of speed of said fly wheel and engaging said control element for sliding said control element in the opposite direction to engage the clutch plate.

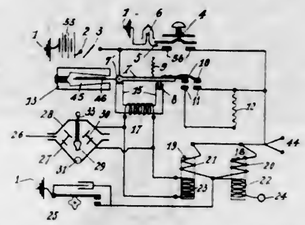
2,045,132
BETAINES AND PROCESS FOR PREPARING THE SAME
André Girard and Georges Sandulesco, Paris, France, assignors to Les Laboratoires Francais de Chimiotherapia, Paris, France, a corporation of France
No Drawing. Application March 27, 1934, Serial No. 717,593. In Germany March 28, 1933
7 Claims. (Cl. 260—25)

3. Water-soluble compounds adapted to form with carbonyl containing compounds, water-soluble hydrazones that can be readily dissociated by known hydrazone dissociating media, said water-soluble compounds being represented by general formula—



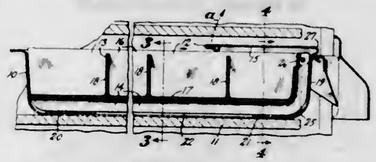
in which R_1, R_2, R_3 stand for alkyl groups, X stands for an halogen, R_4 is selected from the group consisting of alkyl groups and hydrogen.

2,045,133
AUTOMATIC SAFETY SWITCHING DEVICE
Julien Gonnard, Marseilles, France
Application July 5, 1933, Serial No. 679,093
In Germany July 18, 1932
5 Claims. (Cl. 123—146.5)



1. A safety switch device for ignition circuits of internal combustion engines and other branch circuits, comprising a feeding battery, an ignition circuit fed by said battery, a main induction coil having the primary winding thereof connected in series with said ignition circuit, an auxiliary induction coil having the primary winding thereof connected in parallel with the primary winding of the main induction coil, an electromagnetic actuator having a winding connected in series with the secondary winding of said auxiliary induction coil, there being a circuit breaker in said ignition circuit, a movable switch member arranged in series with said ignition circuit and operated by said electromagnetic actuator, contact means in said ignition circuit disposed adjacent to said switch member so that when the electromagnetic actuator is energized from the auxiliary induction coil, the switch member is drawn into closed position on said contact means so as to close the ignition circuit.

2,045,134
REFRIGERATION
William R. Hainsworth, Larchmont, N. Y., assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application May 31, 1934, Serial No. 728,253
6 Claims. (Cl. 62—108.5)

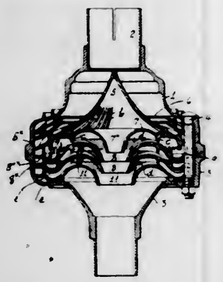


1. A grid member for an ice tray including a resilient division member and a reinforcing member, said division member being tied to said reinforcing member at one or more places and loosely mounted on said reinforcing member at other places.

2,045,135
MUFFLER FOR INTERNAL COMBUSTION ENGINES
Soren S. Hanson, Brooklyn, N. Y., assignor of forty per cent to William Olson, Brooklyn, N. Y.
Application June 9, 1934, Serial No. 729,884
2 Claims. (Cl. 181—56)

1. A muffler comprising connected casing members having an inlet and an outlet respectively, a

defecting ring held within the casing toward the inlet end thereof, a hollow reception cone within the casing and having its apex directed toward the inlet, the periphery of said member having means for abutment with the deflecting ring and the ring having means for abutment with the casing whereby gas passageways are provided intermediate said abutment means, the deflecting ring and the deflecting cone being formed with channelways adapted to lead gases in paths whereby said gases are given rotational motion, channelways at the outer surface of the deflecting cone for directing the gases in a direction away from the apex of the cone in jet formation, a secondary



deflecting member having an apertured frustoconical inner section directed reversely of the apex of the deflecting cone and providing a partial closure for the interior of said cone, and also providing guide walls to direct gases to and from the interior of said cone, and primary deflecting members intermediate the secondary deflecting member and the casing outlet and adapted to direct the gases in successive whirling and peripheral jet motion toward the casing outlet.

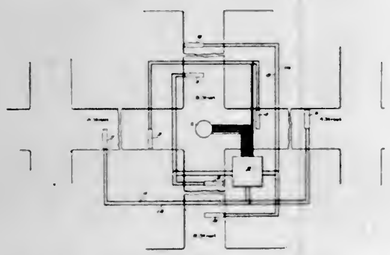
2,045,136

TRAFFIC ACTUATED SIGNAL SYSTEM

Henry A. Haugh, Jr., Charles D. Geer, and Eugene D. Stirlen, New Haven, Conn., assignors to The Engineering and Research Corporation, New Haven, Conn., a corporation of Connecticut

Application March 10, 1928, Serial No. 260,770

25 Claims. (Cl. 177—337)



14. In combination with a traffic control system adapted to be disposed at the intersection of interfering traffic lanes, signalling means for according and interrupting right of way to each lane, timing mechanism connected thereto for causing the alternate display of said signalling means in each lane for predetermined periods of time, and means associated therewith for varying the predetermined periods of time in response to changes in the difference between the number of cars in each lane.

2,045,137

FABRIC FOR HUMIDIFICATION OF AIR AND METHOD OF MAKING

Lawrence L. Heffner, Baltimore, Md., assignor to Wm. E. Hooper & Sons Company, Baltimore, Md., a corporation of Maryland

No Drawing. Application March 9, 1934, Serial No. 714,841

9 Claims. (Cl. 91—68)

8. A fabric for use in the manner described, the same consisting of a cotton fiber from which the waxes and oils have been removed and which is fully impregnated with a rare earth metal chloride.

2,045,138

ALLOYS

Franz R. Hensel, Indianapolis, Ind., assignor to P. R. Mallory & Co., Incorporated, Indianapolis, Ind., a corporation of Indiana

No Drawing. Application September 4, 1935, Serial No. 39,127

8 Claims. (Cl. 148—32)

2. An alloy containing about 0.1 to 5.0% zinc, 0.1 to 2.5% chromium, 0.05 to 10% silver and the remainder substantially all copper, characterized by a combination of high hardness and high electrical conductivity, and further characterized by the ability to maintain its hardness and high conductivity at temperatures in the order of 400° C.

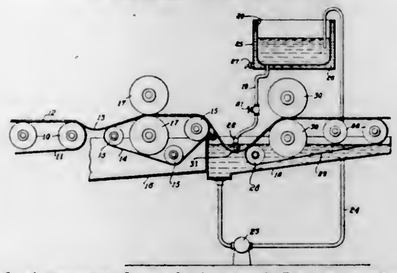
2,045,139

COLORED AND FLAMEPROOFED MATERIAL

Frederick W. Hochstetter, Pittsburgh, Pa.

Application July 13, 1933, Serial No. 680,240

9 Claims. (Cl. 91—68)



1. A process for coloring and flame-proofing a cellulosic medium comprising heating 5000 c. c. of meta-gelatine solution to about 110° F., adding thereto 1000 grams of ammonium sulphate and 500 grams of ammonium carbonate; preparing a solution of 500 grams of boric acid in 2500 c. c. of water at 150° F., cooling to 110° F. and adding the same to the meta-gelatine-ammonium sulphate-ammonium carbonate solution; preparing a solution containing 2500 c. c. of water at 110° F., 430 grams of zinc sulphate and enough acidified dye solution to yield the desired coloring effect and adding the same to the foregoing solutions; adding 1000 c. c. of 2% neutral lime soap suspension containing 2% starch; mixing and digesting all the solutions for about 30 minutes at about 120° F.; and finally suitably applying the same to the medium.

2,045,140

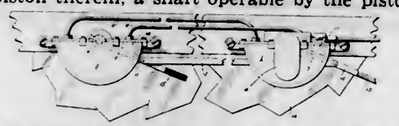
TWIN MOTORED WINDSHIELD CLEANER

Erwin C. Horton, Hamburg, and Henry Hueber, Buffalo, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y.

Application March 20, 1930, Serial No. 437,579

10 Claims. (Cl. 15—255)

1. In a windshield cleaner, a main motor comprising a chamber, a piston therein, a shaft operable by the piston, a wiper operable by the shaft, automatic valve mechanism for operatively applying fluid pressure to the chamber at opposite sides of the piston, and combined inlet and outlet ports at opposite sides of the piston; a secondary motor comprising in its entirety a chamber, a piston therein, a shaft operable by the piston,



a wiper operable by the shaft, and a combined inlet and outlet port to the chamber at each side of the piston; a conduit connecting one of said ports of the first chamber to a like port of the second chamber, and a second conduit connecting the other combined port to the first chamber to the like port of the second chamber.

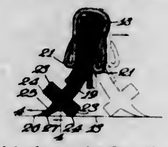
2,045,141

WINDSHIELD WIPER BLADE

Erwin C. Horton, Hamburg, and Henry Hueber, Buffalo, N. Y., assignors to Trico Products Corporation, Buffalo, N. Y.

Application May 29, 1933, Serial No. 673,553

1 Claim. (Cl. 15—245)



In a wiper blade, a body of rubber composition, or of like material, having integral and substantially self-sustaining wiping shoulders formed on the opposite sides thereof to provide opposed wiping edges for alternate engagement with a surface to be wiped, and a relatively thin integral fin projecting from the body between said opposed wiping shoulders and feathering to a flaccid lapping edge portion lacking self-sustaining characteristics and possessing greater flexibility than said shoulders for lapping the surface wiped by such shoulders.

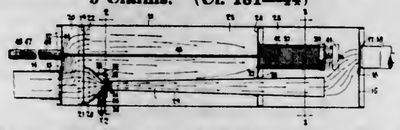
2,045,142

SUCTION PRODUCING MUFFLER

Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.

Application September 5, 1933, Serial No. 688,219

5 Claims. (Cl. 181—44)



1. In a muffler, a casing having opposite end walls with an inlet port and an outlet port respectively, wall means separating the casing interior into an inlet chamber adjacent the inlet port and an outlet chamber adjacent the outlet port, said wall means having an opening therethrough, valve means for normally closing said opening, said valve means including a rod extending through the end wall having the inlet port and through said opening and being movable toward the end wall having the outlet port upon opening of the valve means, resilient means disposed outside of said casing for exerting a valve closing pressure upon said rod, and means for varying such pressure of said resilient means.

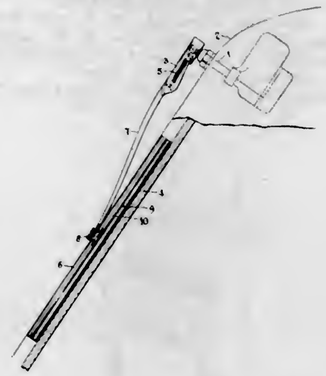
2,045,143

WINDSHIELD CLEANER

Erwin C. Horton, Hamburg, N. Y., assignor to Trico Products Corporation, Buffalo, N. Y.

Application July 5, 1934, Serial No. 733,920

10 Claims. (Cl. 15—250)



1. A windshield cleaner having a wiper and a carrying arm therefor, said arm being provided with oppositely extending trunnion parts forming a substantially T-shaped head connected to the arm by a shank portion, said wiper having opposed wall portions with offset openings, such openings having registering portions to receive the parts upon rotative movement of the wiper about the longitudinal axis of the arm and in a plane substantially at right angles thereto, said shank portion being movable into the space between said wall portions by movement of the wiper about the axis of said parts for being engaged thereby to secure the wiper against substantial movement on the arm when in operative relation.

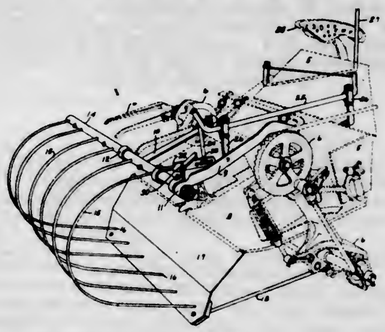
2,045,144

GRAIN BINDER

Edwin F. Huddle, Rockford, Ill., assignor to J. I. Case Company, Racine, Wis., a corporation

Application July 8, 1935, Serial No. 30,322

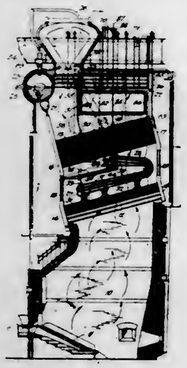
8 Claims. (Cl. 56—474)



1. In a binder for flax, the combination, with the deck thereof, of a substantially vertical wall, bundle forming means associated with the deck, a bundle container mounted on the latter means and having a substantially horizontal bundle retaining element upon which bundles may rest.
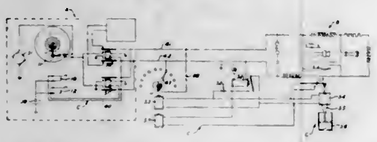
and means for adjusting the container into bundle receiving and dumping positions in relation to the wall.

2,045,145
SUPERHEATER BOILER
David S. Jacobus, Montclair, N. J., and William A. Jones, West New Brighton, N. Y., assignors to The Babcock & Wilcox Company, Bayonne, N. J., a corporation of New Jersey
Application December 1, 1925, Serial No. 72,423
40 Claims. (Cl. 122—303)



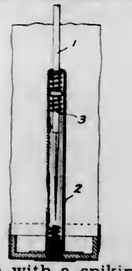
1. In a boiler, a horizontal cylindrical drum, a plurality of vertically disposed headers in a row extending longitudinally of the drum and spaced therefrom, and tubes connecting said headers and said drum, said tubes being arranged in a plurality of horizontal rows, the ends of a pair of tubes, one each from a pair of adjacent horizontal rows, entering the drum on substantially the same drum circumference and the other end of each of said pair of tubes entering respectively one of an adjacent pair of headers, the tubes of each pair entering headers at different elevations.

2,045,146
COMMUNICATION SYSTEM
Howard T. Jeandron, Hackettstown, N. J., and Adelbert R. Morton, Brooklyn, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York
Application March 1, 1933, Serial No. 659,032
8 Claims. (Cl. 179—5.5)



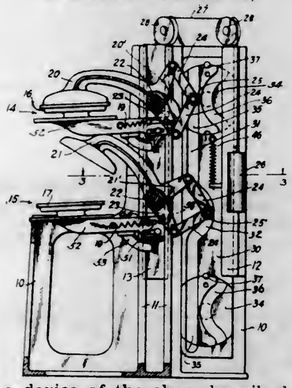
1. In a communications system, a first station, a second station, electrical means to transmit a call signal from the first station to the second station, and electrical means for transmitting messages therebetween, in combination with means at the first station to transmit a predetermined signal distinct from the call signal to the second station, and means at the second station responsive only when the second station is idle to the predetermined signal to return to the first station a predetermined signal.

2,045,147
SELF-SUPPORTING BAG FOR GOLF-STICKS AND OTHER STICK-LIKE ARTICLES
Henry Theophilus Johnson, deceased, late of Putney, England, by Henry Arthur Johnson, Putney, and Ethel Mary Perring, Richmond, England, executors
Application February 24, 1933, Serial No. 658,102
In Great Britain February 29, 1932
2 Claims. (Cl. 150—1.5)



1. In combination with a spiking device comprising a spring-retracted sliding spiked spindle and detachable fastening means for securing the device to an ordinary or standard golf bag or like receptacle, means adapted to be attached to a club separator or separators incorporated in the bag to serve as a guide for the upper end of the sliding spiked spindle, said means comprising a clip portion for attachment to the separator and a loop portion serving as the said guide.

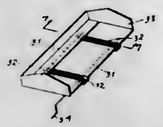
2,045,148
MULTIPLE LAUNDRY PRESS
Leo M. Kahn, New York, N. Y.
Application November 11, 1931, Serial No. 574,351
21 Claims. (Cl. 68—9)



1. In a device of the class described, in combination, a frame, a plurality of vertically aligned presses thereon, each having a buck and a cooperating head, and means for moving said presses successively to predetermined elevations relative to said frame.

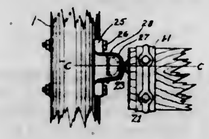
2,045,149
APPARATUS FOR HARVESTING AND PACKAGING LETTUCE AND THE LIKE
Elton W. Vessey, Pasadena, Calif.
Application May 15, 1935, Serial No. 21,562
2 Claims. (Cl. 214—82)

1. A mobile vehicle to be used in the harvesting of vegetables comprising a body having road wheels thereon, the gage of which is equal to the spaces on opposite sides of a row of planted vegetables, and having fixed members on the upper side of opposite ends thereof; a pair of endless belts arranged transversely of the floor of the body; a member arranged longitudinally of the body along one side thereof and connected at spaced points to said belts, and adapted at times



to form a side member for said body, and at other times to push the contents of said body toward the open side thereof to effect progressive unloading of the vehicle from the open side thereof without interfering with its forward or rearward movement; and means on the vehicle to actuate said belts to move the pusher member across the floor of said body.

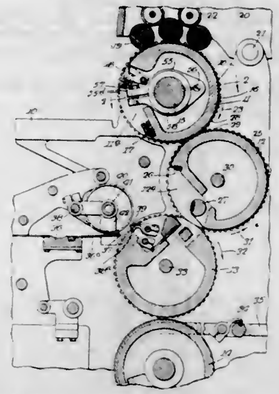
2,045,150
TRANSMISSION LINE SUPPORT
Martin M. Kenneally, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application March 12, 1934, Serial No. 715,170
3 Claims. (Cl. 189—33)



3. A cross-arm comprising a pair of spaced members of insulating material, a holding fitting at each end of the pair of spaced members to hold the ends of the members in predetermined relation, each holding fitting having associated therewith a supporting fitting for attachment to an upright support, one of the fittings at each end of the members provided with a projecting stud having an enlarged head at its free end and the associated fitting having a socket in which is seated the enlarged head, the fittings forming a universal joint and preventing the separation of the associated fittings.

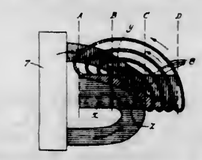
2,045,151
ADJUSTABLE PLATE CYLINDER FOR PRINTING PRESSES
Alexander T. Koppe, New York, N. Y.
Application March 26, 1934, Serial No. 717,382
2 Claims. (Cl. 101—248)

2. The combination in a printing press, of a hollow plate cylinder having end walls connected by a cylindrical wall having a slot therein, a rotatable shaft having said cylinder rotatably mounted thereon, means for rotating said shaft, a separate split clamp located within said cylinder and embracing said shaft, a pin engaging one end of said clamp for securing it to one of said end walls, and means engaging the other end of said clamp for causing it to grip said shaft



and thereby secure said cylinder in adjusted angular position on said shaft.

2,045,152
PROCESS OF AND APPARATUS FOR PERFORMING CONVERSIONS OF MECHANICAL AND THERMAL ENERGY
Albert François Lebre, Paris, France
Application March 16, 1934, Serial No. 715,875
In France March 27, 1933
32 Claims. (Cl. 62—170)

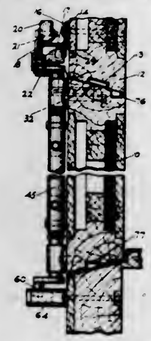


1. In a process of performing conversions of thermal and mechanical energy, in which a gas is successively subjected to a variation in pressure, a heat-exchange under constant pressure, and a reverse variation in pressure, the steps of directly transmitting pressure from the gas in one stage of pressure variation to the gas in another stage of pressure variation thus creating a pressure-exchange current, maintaining and guiding said current to cause same to form a gaseous partition between the gas in said first stage of pressure variation and the gas in said second stage of pressure variation.

2,045,153
SOLUTIONS OF ALKALI METAL SILICATES
Paul C. Lemmerman and William K. Schweitzer, East Cleveland, Ohio, assignors to The Grasselli Chemical Company, Cleveland, Ohio, a corporation of Delaware
No Drawing. Application December 1, 1933, Serial No. 700,614
3 Claims. (Cl. 134—23.92)

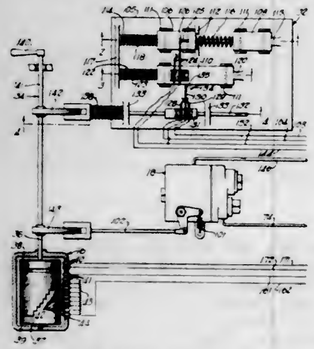
1. An adhesive and coating composition comprising an aqueous solution of an alkali metal silicate of a composition between the limits of about 1 Me_2O:1.5 SiO_2 and 1 Me_2O:4 SiO_2 in which Me stands for an alkali metal containing not more than about 1% of the weight of said solution of a sulfate of an aliphatic compound containing an alcoholic hydrocarbon radical of more than 7 carbon atoms.

2,045,154
FLUSH CAR DOOR
James E. Lindeman, Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application February 29, 1932, Serial No. 595,843
16 Claims. (Cl. 20—23)



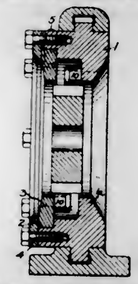
1. In combination, a car side having a door opening, a door adapted to be received in said opening, a horizontal track secured to said car side in spaced relation to said door opening, means for supporting said door for longitudinal movement upon said track and means comprising a rotatable bar for moving said door laterally, said bar being provided with a crank portion embodying a swivel member having projections adapted to engage opposite sides of a flange provided on said track.

2,045,155
BRAKE CONTROLLING DEVICE
John W. Logan, Jr., Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application January 26, 1935, Serial No. 3,589
30 Claims. (Cl. 303—3)



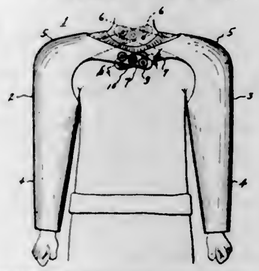
30. In a vehicle brake system, in combination, two brake means, means for effecting an application of one of said brake means, means operable when the effectiveness of the applied brake means diminishes below a predetermined value for effecting an application of the unapplied brake means, and means for preventing application of said unapplied brake means when the decrease in effectiveness of the applied brake means is due to slipping of the vehicle wheels.

2,045,156
FIXTURE FOR GEARS
Mahlon M. Matchett, Highland Park, Mich.
Application March 11, 1935, Serial No. 10,488
9 Claims. (Cl. 279—1)



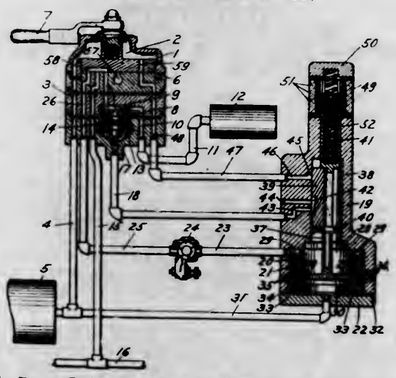
1. A fixture for helical gears comprising two plates mounted in parallel relationship, a plurality of gripping members immovable on each plate and extending therefrom, the outer extremities of said members being in the form of partial cones the axes of which are disposed at right angles to said plates, the partially conical portions of the members extending from one plate each being adapted to engage one side of a tooth of a helical gear for an appreciable distance across it, and the partially conical portions of the members extending from the other plate each being adapted to engage the other side of a tooth of the gear for an appreciable distance across it, and means for moving the plates relative to one another to bring the partially conical portions of the member extremities into contact with the gear teeth to grip the gear.

2,045,157
PROTECTIVE GARMENT
Robert Mathias, Ampere, N. J.
Application January 19, 1935, Serial No. 2,508
2 Claims. (Cl. 2—16)



1. A protective garment for workers comprising, similar right hand and left hand garment halves of a material having high electrical resistance, said garment halves having sleeve portions for covering the arms of the wearer, shoulder portions for covering the shoulders of the wearer substantially to the neck, and relatively narrow strap-like back and chest portions extending from said shoulder portions, said back portions extending inwardly and upwardly with respect to said shoulder portions and into adjoining relation for fastening together at a point substantially level with the wearer's shoulder, and said chest portions extending inwardly and downwardly with respect to said shoulder portions and into adjoining relation for fastening together below the wearer's shoulders.

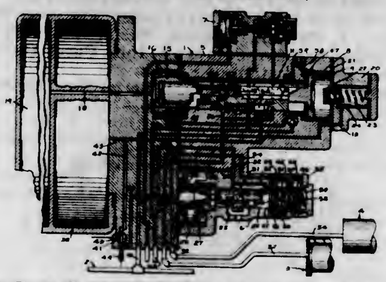
2,045,158
FLUID PRESSURE BRAKE
Joseph C. McCune, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application February 13, 1935, Serial No. 6,317
24 Claims. (Cl. 303—35)



1. In a fluid pressure brake, in combination, a brake pipe, a valve mechanism operated upon a reduction in fluid pressure for venting fluid under pressure from the brake pipe, a feed valve device for supplying fluid under pressure to the brake pipe, and means conditioned according to the rate at which said feed valve device supplies fluid under pressure to the brake pipe for determining the rate at which fluid is vented from the brake pipe by operation of said valve mechanism.

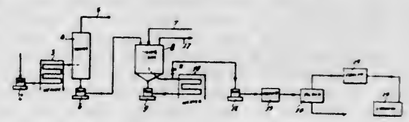
23. In a fluid pressure brake, in combination, a brake pipe, a main reservoir, a brake valve device having a running position and an application position, and an exhaust control device having valve means for controlling the rate at which fluid is released from the brake pipe through said brake valve device in the application position of said brake valve device, a movable abutment subject to the pressure of fluid flowing from the main reservoir to the brake pipe and operably connected to said valve means, and means for rendering said valve means resistant to movement in the application position of the brake valve device.

2,045,159
LOCOMOTIVE BRAKE CONTROL
Charles H. McKinstry, Wilmerding, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application September 23, 1933, Serial No. 690,685
20 Claims. (Cl. 303—47)



1. In a fluid pressure brake, the combination with a brake pipe, of a plurality of chambers in open communication with each other, valve means subject on one side to the pressure of fluid in said chambers and operative upon an increase in the pressure of fluid in said chambers for effecting an application of the brakes, a valve device operative upon a reduction in brake pipe pressure at a service rate for supplying fluid under pressure to the chambers through two communications and operative upon a reduction in brake pipe pressure at an emergency rate for supplying fluid under pressure to the chambers through a single communication, and means for restricting the flow of fluid through the last mentioned communication.

2,045,160
PROCESS OF TREATING FRESH UNUSED PETROLEUM OILS TO PRODUCE DECOLORIZED LUBRICATING OIL STOCKS
Arthur R. Moorman, Woodriver, Ill., and Irving C. Carpenter, New Rochelle, N. Y., assignors to Contact Filtration Company, San Francisco, Calif., a corporation of Delaware
Application November 26, 1929, Serial No. 409,863
4 Claims. (Cl. 196—147)

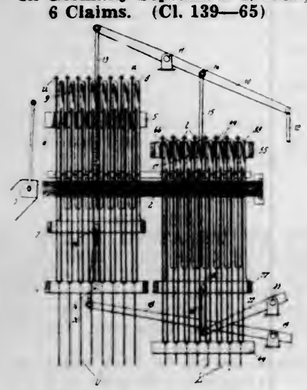


1. A process of treating fresh unused petroleum oils to produce decolorized lubricating oil stocks, which comprises passing an oil a member of the group including neutral paraffine base crudes and acid treated clay neutralized topped asphaltic base crudes through a heating chamber to vaporize a portion of the oil and reduce the residuum to lubricating oil stock, and promptly thereafter while the oil is still hot adding thereto a decolorizing clay, agitating the clay and oil, and finally cooling and separating the oil from the clay.

2,045,161
CELLULOSE ACETATE PRODUCTS AND METHOD OF PRODUCING SAME
Richard Müller and Martin Schenck, Mannheim, and Wilhelm Wirbatz, Mannheim-Waldhof, Germany, assignors to C. F. Boehringer & Soehne G. m. b. H., Mannheim-Waldhof, Germany
No Drawing. Application March 13, 1931, Serial No. 522,510. In Germany March 21, 1930
12 Claims. (Cl. 18—54)

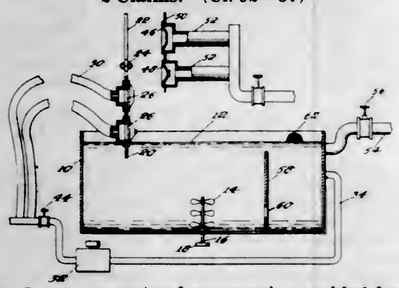
1. In the manufacture of shaped articles of cellulose acetate, the process which comprises acetylating cellulose while in fibrous form to a primary, chloroform soluble acetylation product by employing an acetylation mixture capable of holding the cellulosic material in fibrous form; the said acetylation mixture comprising a chlorine-containing catalyst selected from a group consisting of perchloric acid, and the perchlorates, and being free from catalysts partly remaining in linked form in the non-hydrolyzed product and causing instability thereof; washing the resulting acetylation product while in the fibriform phase substantially free from traces of catalytic material, drying the product without previous hydrolytic decomposition, dissolving the dry product in a solvent and forming it into a shaped finished article by removing the solvent.

2,045,162
JACQUARD MACHINE
Karl Petzoldt, Chemnitz, Germany
Application January 21, 1933, Serial No. 652,855
In Germany September 4, 1931
6 Claims. (Cl. 139—65)



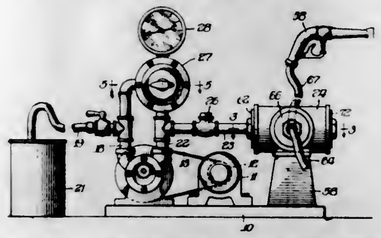
1. In a jacquard machine, in combination catches arranged in sets, needles for operating the catches of all sets, a jacquard prism for operating said needles, and the following catch moving members per set; a bottom board adapted to engage all catches of its own set, a griff adapted to engage those catches which have been moved into a given position by said needles, and a movable grid adapted to engage those catches which are in a position other than said given position, means operatively connected to one of the members in one of the sets, and to another member in another set, for moving the two members together, and means independent of said first-mentioned means for moving another member in each set independently of the member which is connected to said first-mentioned means.

2,045,163
APPARATUS FOR PREPARING MOLDED DEEP FORMS OR DIAPHRAGMS
Frank Raffles, Chicago, Ill.
Application April 1, 1932, Serial No. 602,574
2 Claims. (Cl. 92—57)



1. In an apparatus for preparing molded forms composed of accreted pulp, a tank adapted to contain a mash of a pulpy mass, an agitator in the tank, and means for insuring a uniform concentration of the pulpy mash, said means comprising a feed pipe leading from a source of pulp supply, a valve for controlling the supply, a baffle plate between the opening from the feed pipe and the main body of the tank, said baffle plate extending from the bottom of the tank to a height somewhat below the maintained level of the mash, said baffle being perforated adjacent its lower edge, and a screened overflow opening in the tank to maintain a desired level above the upper edge of the baffle plate.

2,045,164
SPRAY SYSTEM
Harlan Richards, Chicago, Ill.
Application September 10, 1932, Serial No. 632,545
13 Claims. (Cl. 299—46)



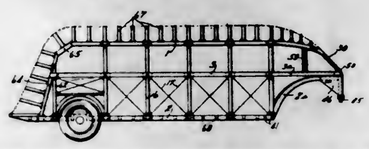
1. In a single line liquid spray system of the character described, a continuously acting pump of a type to produce a constant volume flow therethrough and having intake and exhaust ports, a connection to said intake port adapted to be extended into an open vessel containing a supply of liquid to be sprayed, a pipe connected to said exhaust port, a nozzle connected with said pipe and extending into an atomizing chamber, means for delivering a gas under pressure to said atomizing chamber, means for maintaining the pressure of liquid in said pipe constant, a single hose line leading from the atomizing chamber and a spray nozzle connected to said hose line.

2,045,165
POWDER CONTAINER
Joseph F. Rioux, Attleboro, Mass.
Application June 19, 1935, Serial No. 27,328
11 Claims. (Cl. 132—82)



1. In a powder pouch, a body member having a band rim of flat sheet stock, a cover therefor, a pouch member formed of flexible material and provided with a rim, said rim being of a size to fit within and contact with said body rim and be frictionally but removably held by contact with the same.

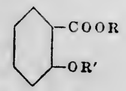
2,045,166
SEMITRAILER BODY CONSTRUCTION
Harold H. Robinson, Coral Gables, Fla., and William J. Parrish, Detroit, Mich., assignors to Curtiss Aerocar Company, Inc., Coral Gables, Fla., a corporation of Florida
Application April 26, 1934, Serial No. 722,448
1 Claim. (Cl. 296—28)



The body frame for a semi-trailer vehicle which comprises spaced, vertical side trusses each truss having upper, lower, and intermediate chords, spaced vertical post members, connected at their upper and lower ends to the upper and lower chords respectively and, at a point intermediate their ends, to the intermediate chord, to form upper and lower truss panels, diagonally arranged wire tension members secured in the lower truss panels, the forward portions of the intermediate chords of the trusses being converged toward each other in a substantially horizontal plane, the forward portions of the upper and lower chords being respectively downwardly and upwardly converged and means for connecting the forward ends of said chords together comprising an open frame having the form of a rearwardly inclined inverted triangle, forming an unobstructed window opening, vertical members connecting the upper and intermediate chords of the trusses closely adjacent the meeting point of the upper chords and said frame, said members cooperating with the sides of the triangular frame and the intervening portion of the intermediate chords to form triangular abutments at the forward end of the trusses, and a forwardly inclined strut at the rear of each truss connected intermediate its ends with the rearmost truss post to form with said rearmost truss post and the intervening portion of the lower chord, a triangular abutment at the rear end of each truss, the upper chord of the trusses being restrained between said forward and rear abutments.

2,045,167
RUBBER VULCANIZATION
Robert L. Sibley, Nitro, W. Va., assignor, by mesne assignments, to Monsanto Chemical Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application March 18, 1931, Serial No. 523,647
2 Claims. (Cl. 18—53)

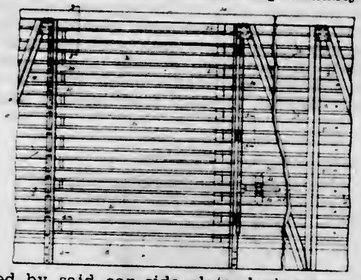
1. The process of retarding the vulcanization of a rubber stock comprising rubber, sulfur and a vulcanization accelerator selected from a group consisting of the crotonaldehyde derivative of the reaction product of mercaptobenzothiazole and hexamethylene-tetramine and the acetaldehyde derivative of the reaction product of para-para-diamino-diphenyl-methane and mercaptobenzothiazole which comprises adding to said stock a compound possessing the structure of



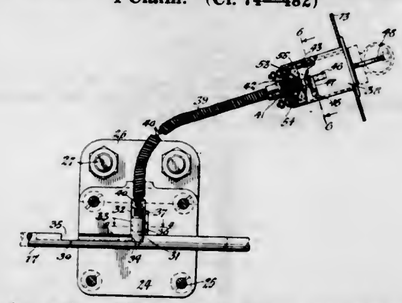
where R represents hydrogen, a metal, or a salt- or an aromatic ester-forming radical and R' represents hydrogen or an acyl radical and heating to complete the vulcanization.

2,045,168
CLOSURE MEANS FOR STOCK CARS
Kenneth J. Tobin, Chicago, Ill., assignor, by mesne assignments, to The Youngstown Steel Door Company, Cleveland, Ohio, a corporation of Ohio
Application December 14, 1934, Serial No. 757,482
16 Claims. (Cl. 105—376)

1. In a stock car having a side comprising a plurality of spaced slats, closure means for closing an opening provided in said car side, said closure means comprising a plurality of spaced slats adapted to extend across and close said opening, said closure slats being slidably supported by said car side slats during movement to control said opening.



2,045,169
AUTOMOBILE CONTROL DEVICE
John W. Tong and Chester O. Thompson, Buffalo, N. Y.
Application February 3, 1936, Serial No. 62,218
1 Claim. (Cl. 74—482)

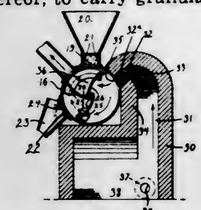


An automobile control device comprising a reciprocable control rod adapted to be operatively connected with the fuel supply means of the automobile and provided with a shoulder facing forwardly or in the direction in which the rod is moved for increasing the fuel supply, a movable stop adapted to be normally arranged in the path of said shoulder and to be engaged thereby for arresting the forward movement of said rod, a shifting wire having one end connected with said stop, a longitudinally movable plunger engaging with the opposite end of said shifting wire and adapted to be moved forwardly for moving the stop into the path of said shoulder, a locking device for holding said plunger in its forward position or releasing the same, and spring means for moving said stop out of the path of said shoulder when the plunger is released by said locking device.

2,045,170
AGITATING MIXER
Frank Whipperman, Omaha, Nebr.
Original application August 23, 1934, Serial No. 741,073. Divided and this application March 23, 1935, Serial No. 12,710
1 Claim. (Cl. 34—7)

An agitating mixer for treating granular fuel material such as coal and coke screenings and fines and the like in the production of fuel-blocks, comprising a horizontal, substantially cylindrical body having an inlet for hot combustion products adjacent the top of the body and on one side of the vertical center thereof adapted to admit hot combustion products downwardly into said body,

and an outlet for vapors and gases adjacent the top of the body and on the opposite side of the vertical center from the inlet, and a plurality of blades extending longitudinally of the body and rotatably therein, each of said blades having a flange thereon, said blades being adapted, upon rotation thereof, to carry granular fuel material



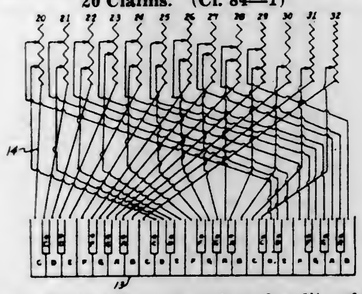
to the upper portion of the body and then drop said material toward the inlet and downwardly to the lower portion of the body, to pocket hot combustion products, admitted through the inlet, in the granular fuel material, said dropped material extending transversely of the current of hot combustion products admitted through said inlet.

2,045,171
BEATER
Paul C. Wiegandt, Brooklyn, N. Y.
Application December 22, 1933, Serial No. 703,657
3 Claims. (Cl. 259—128)



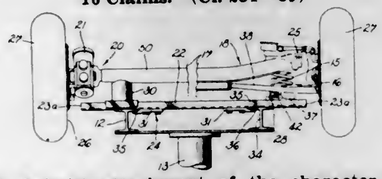
1. In a beater having a shaft and means for rotating the same; said shaft having a free end reduced in diameter providing a shoulder inwardly from the terminal of the shaft, a beater head comprising a hub member having a series of whipping blades connected at one end with the hub and having free ends paralleling the reduced end of the shaft and abutting said shoulder, a sleeve disposed about said shaft and the last named ends of said blades, said sleeve having an end portion contracted about said shaft and a second end portion contracted about said last named ends of the blades for securing the beater head to the shaft, said hub at the center thereof being provided with a substantially conical pivot teat, and a reinforcing rod having an end in abutting relation with the reduced end of the shaft and a second end fitting in said depression, and each of said blades on the inner edge thereof having integral therewith a series of spaced agitator projections disposed in a plane normal to the plane of the blades, and said blades adjacent the ends thereof secured to the shaft being provided on their inner edges with integral projections, and an annular plate disposed about the reinforcing rod, said plate at the peripheral edge thereof resting on said projections and secured to the projections.

2,045,172
MUSICAL INSTRUMENT
Gibson Yungblut, Cincinnati, Ohio, assignor to The Baldwin Company, Cincinnati, Ohio, a corporation of Ohio
Application April 25, 1934, Serial No. 722,350
20 Claims. (Cl. 84—1)



1. In a musical instrument, a plurality of tone-producing devices, each of said devices adapted to be controlled to produce selectively and non-simultaneously, fundamental tones of different pitch, and a key-board, said devices being connected to said key-board in repeated series, said series being so arranged as to make it unnecessary within the usage of musical scores to strike simultaneously with the fingers of one hand keys on said key-board connected with the same tone-producing device, there being fewer of said devices for any voice than the number of keys in said key-board.

2,045,173
KNEE-ACTION HOIST ATTACHMENT
Edward F. Baird, Glendale, Calif.
Application February 2, 1934, Serial No. 709,475
Renewed September 4, 1934
16 Claims. (Cl. 254—89)

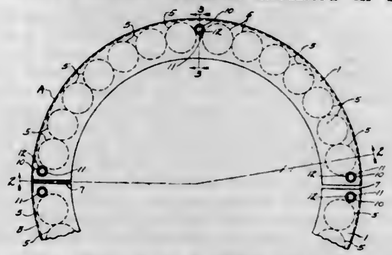


3. A hoist attachment of the character described, for use with a vehicle hoist having a longitudinal frame, including: a cross bar; means for securing said cross bar to said frame of said hoist in laterally extending position; and a pair of pillar members slidably mounted on said cross bar and being rotatable in upright planes.

2,045,174
BEARING
Thomas Barish, Jamestown, N. Y., assignor, by mesne assignments, to Marlin-Rockwell Corporation, Jamestown, N. Y., a corporation of Delaware
Application May 3, 1934, Serial No. 723,623
19 Claims. (Cl. 308—196)

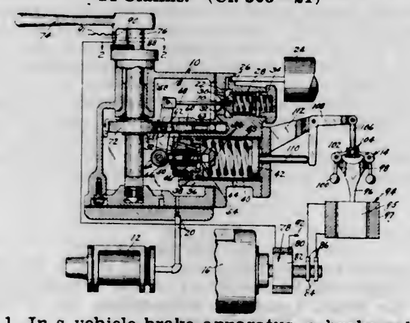
1. In a bearing, the combination of a pair of segmental race members provided with raceways

oppositely disposed and extending longitudinally in a radial path relative to the axis of the bearing, a plurality of holes extending through said segmental race members in planes located substantially parallel with the axis of the bearing assembly, said holes being located between the longitudinal center of said raceways and the outermost surface of the bearing, each of said holes in said segmental race members being provided with an enlarged tapered portion at their outer ends, a plurality of rollably mounted members engaging the raceways of said segmental race members, resilient members mounted in said



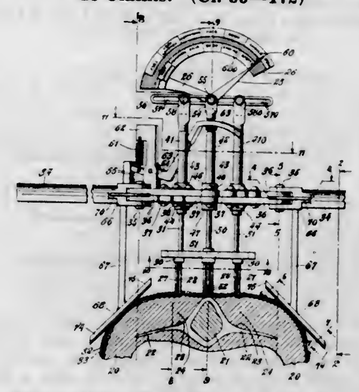
holes of said segmental race members and engaging one or more of said rollably mounted members, said resilient members permitting movement of one of said segmental race members together with said rollably mounted members from their normal positions relative to the other of said segmental race members, said resilient members causing said segmental race member and said rollably mounted members to return to their normal positions relative to the other of said segmental race members, and wedge members for expanding the ends of said resilient members to engage the enlarged tapered portions of said holes of said segmental race members to retain said resilient members in said segmental race members.

2,045,175
SPEED CONTROLLED BRAKE
George W. Baughman, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application December 20, 1933, Serial No. 703,228
14 Claims. (Cl. 303—21)



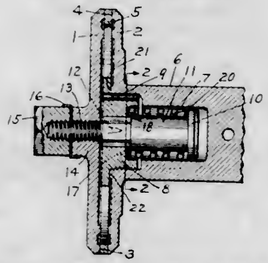
1. In a vehicle brake apparatus, a brake valve handle having a release position and movable in a graduated application and release zone, a contact operated by said handle and closed while the handle is at any position in said zone, a self-lapping valve device, means operated by said handle for conditioning said valve device to cause lapping of the brakes at any desired pressure, an alternating current generator operatively connected with a rotating part of the vehicle and energized when and only when said contact is closed, a synchronous motor operated by current supplied by said generator, a centrifuge device operated by said motor, and means operated by said centrifuge device for modifying the manual conditioning of said valve device.

2,045,176
ANIMAL GRADING DEVICE
Olney Bush, Buffalo, N. Y.
Application August 4, 1931, Serial No. 555,029
15 Claims. (Cl. 33—172)



1. An animal grading device adapted to determine the amount and quality of meat on the skeleton of a live animal and comprising a frame constructed in the form of a lazy tongs having a plurality of pivot centers; a proportioning saddle connected with one of the pivot centers of said lazy tong frame and adapted to be positioned in accordance with the variable proportions of the bony structures of different sized animals; and a gauge finger connected to another pivot of said lazy tong frame and adapted to make contact with a portion of the animal being graded.

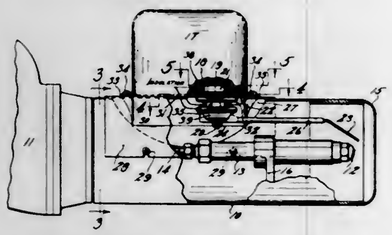
2,045,177
PISTON DEVICE
William E. Dean, Jr., deceased, late of Hamilton, Ontario, Canada, by Doris Brown Dean, Edgewood, Pa., executrix, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application January 23, 1934, Serial No. 707,926
5 Claims. (Cl. 309—4)



1. In a piston, the combination with two separable piston plates and a packing ring slidably mounted between said plates, of a stud secured to one of said plates and slidably extending

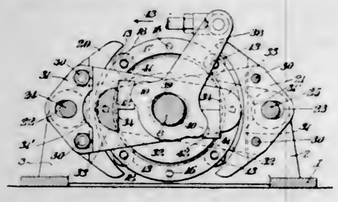
through an opening in the other of said plates, a shoulder on said stud normally spaced away from said other plate and adapted to be engaged by said other plate for limiting parting movement of said plates, and resilient means acting on said plates urging said plates into engagement with said ring.

2,045,178
ELECTRIC IGNITION FOR BURNERS
Warren H. De Lancey, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, West Springfield, Mass., a corporation of Massachusetts
Application March 7, 1935, Serial No. 9,817
10 Claims. (Cl. 175—115)



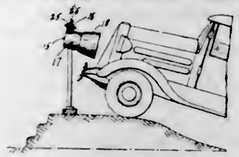
6. In a burner, an air supply conduit, a nozzle to supply fuel to the air flowing in said conduit, an ignition transformer including a casing together with high tension terminals and a single insulating block mounted on said casing and through which both of said terminals extend, said block and terminals extending into said conduit, spark electrodes both mounted on said block and connected one to each of said terminals, and means for preventing each electrode from turning about the axis of its terminal, said electrodes extending forwardly in said conduit and terminating adjacent said nozzle and being supported solely from said block and terminals.

2,045,179
ROLLING PRESSURE BRAKE AND CLUTCH
Max B. A. Doring, Brooklyn, N. Y., assignor to Doring Company, Inc., New York, N. Y., a corporation of New York
Application October 20, 1930, Serial No. 489,730
24 Claims. (Cl. 188—75)



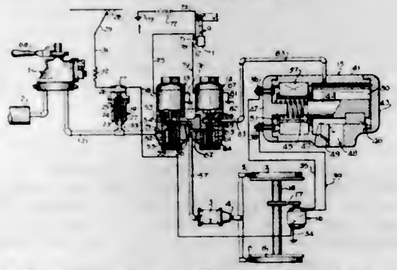
1. In a device of the character described, a rotatable shaft, a drum thereon, a rotatable cage having a roller mounted on said drum for free rotation thereon, and means for pressing said roller in a positive rolling action between said means and said drum for gradually stopping the rotation of said shaft, the pressure being applied at points of contact on a roller so that a line connecting these points will lie on one side of the center of the roller and an angular pressure on the roller is obtained.

2,045,180
SOUND SYSTEM
Guy Douthwaite, Los Angeles, Calif.
Application August 9, 1935, Serial No. 35,478
6 Claims. (Cl. 181—30)



1. In a drive-in theatre in which patrons sit in automobiles parked in front of and facing a stage or screen, means for conveying sounds to the occupants of the automobiles comprising individual loud speakers for the respective automobiles, each speaker being positioned directly in front of and closely adjacent the radiator of its associated automobile, means for producing electric currents corresponding to the sound to be conveyed, and circuit means interconnecting said last mentioned means and said speakers whereby each speaker is energized to generate said sound and direct it through the radiator of the automobile adjacent thereto.

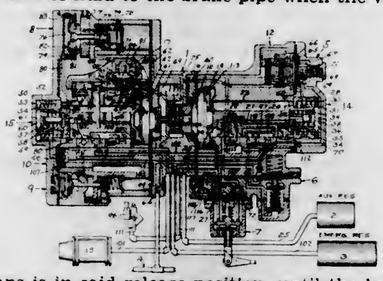
2,045,181
BRAKE CONTROLLING DEVICE
Sidney G. Down, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application May 3, 1934, Serial No. 723,679
8 Claims. (Cl. 303—21)



1. In combination, a fluid pressure brake for vehicles, a brake valve for effecting manual control of said brake, retardation control means responsive to the deceleration of the vehicle, an application valve and a release valve controlled thereby during application of said brake for controlling the effective braking force, and means actuated in accordance with the speed of the vehicle for varying the permissible rate of release that may be effected through said release valve.

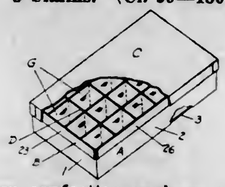
2,045,182
FLUID PRESSURE BRAKE
Clyde C. Farmer, Pittsburgh, and Ellis E. Hewitt, Edgewood, Pa., assignors to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application November 11, 1933, Serial No. 697,666
18 Claims. (Cl. 303—36)

1. In a fluid pressure brake, the combination with a brake pipe, of valve means having a release position in which fluid under pressure is adapted to be supplied to the brake pipe, said valve means being movable upon a reduction in brake pipe pressure for initiating a braking operation and being movable to said release position upon an increase in brake pipe pressure, and fluid pressure responsive means for preventing the flow of fluid to the brake pipe when the valve



means is in said release position, until the brake pipe pressure has been increased a predetermined amount above that required to effect the movement of the valve means to said release position.

2,045,183
FROZEN CONFECTION PACKAGE
Irving H. Fowle, Dorchester, Mass., assignor, by mesne assignments, to William R. Warner & Co., Inc., New York, N. Y., a corporation of Delaware
Application June 29, 1934, Serial No. 733,059
5 Claims. (Cl. 99—180)

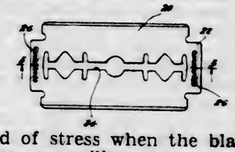


1. A frozen confection package comprising an outer casing made of waxed paper board including a bottom and four sides which slant outward therefrom and are connected, said bottom having an opening hole; combined with a folded inner casing of waxed paper board which includes a bottom and sides which slant outwardly therefrom, the upper ends of some of the sides being bent out, and down over the sides of the outer casing, said inner casing fitting loosely in the outer casing; an inside dividing member of waxed paper board including parallel rows of dividing partitions across which extend rows of other dividing partitions, the partitions being so made that those of one row can be lifted from those of the other row; and a frozen confection which fits closely the cells of the dividing member and in the inner casing.

5. A frozen confection package comprising an outer casing including four sides which are connected; combined with a folded inner casing of waxed paper board which includes a bottom and sides, said inner casing fitting in the outer casing; an inside dividing member of waxed paper board; and a frozen confection which fits closely the cells of the dividing member and in the inner casing.

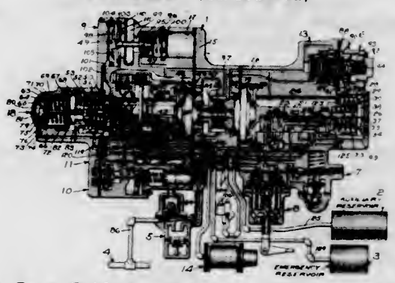
2,045,184
SAFETY RAZOR BLADE
Henry J. Gaisman, Hartsdale, N. Y., assignor to Gillette Safety Razor Company, Boston, Mass., a corporation of Delaware
Application March 7, 1934, Serial No. 714,462
4 Claims. (Cl. 30—92)

4. A flexible double edged safety razor blade having a centrally disposed slot at least as long as the cutting edges of the blade and flexing hinges located beyond the ends of the slot, whereby the cutting edge portions of the blade



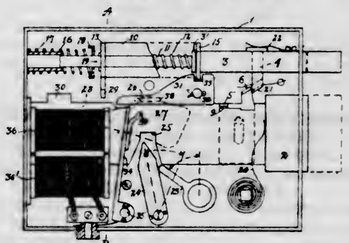
are relieved of stress when the blade is flexed, and a transverse resilient corrugation in each of the hinges for increasing the resilient resistance of the hinges to flexing.

2,045,185
FLUID PRESSURE BRAKE
Ellis E. Hewitt, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a corporation of Pennsylvania
Application October 27, 1932, Serial No. 639,797
45 Claims. (Cl. 303—41)



1. In a fluid pressure brake, the combination with a brake pipe, of a valve device having a release position and operative upon an emergency reduction in brake pipe pressure for initiating an emergency operation, and means for opposing movement of said valve device to release position upon an increase in brake pipe pressure after an emergency reduction in brake pipe pressure until the brake pipe pressure has been increased to a predetermined degree.

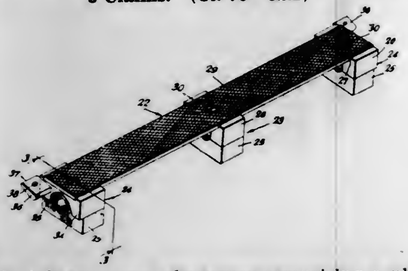
2,045,186
COMBINED ELECTRICAL AND KEY OPERATED LOCK
Fritz Honsel, Milan, Italy
Application September 21, 1934, Serial No. 744,966
In Italy September 26, 1933
2 Claims. (Cl. 70—50)



1. In a lock, the combination of a casing, a sliding bolt provided with a step and recesses mounted therein, an auxiliary bar with a lateral extension near the inner end slidably mounted in said casing, a tooth adapted to move transversely in said auxiliary bar, a stop pin co-operating with

said tooth engaging with one of the recesses in the sliding bolt adapted to move transversely on said bolt, said tooth raising the stop pin out of the recess in the bolt on the inward movement of said bar, spring means associated with said bar moving same in alternate directions, a pawl provided with a lug engaging with the second recess in the sliding bolt pivotally mounted in said casing, an electro-magnet fixed to said casing, a lever pivotally mounted in said casing engaging with said spring means and a spring imparting outward movement to the sliding bolt, the arrangement being such that when the armature of the electro-magnet is attracted, the pawl is raised from the recess in the sliding bolt, the lever releasing said spring mechanism, and said spring mechanism imparting an inward movement to the sliding bolt through the lateral extension on the auxiliary bar engaging with the step on said sliding bolt.

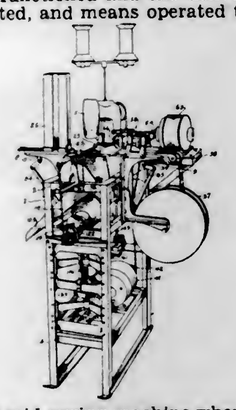
2,045,187
LAWN MOWER SHARPENER
Thomas E. Hurd, Glendale, Calif.
Application August 4, 1934, Serial No. 738,419
3 Claims. (Cl. 76—82.1)



1. A lawn mower sharpener comprising a plurality of split blocks having openings therethrough to engage a fixed shaft of a lawn mower, each block being thus divided into two substantially equal halves, clamping screws to clamp the two halves of each block to the shaft, one-half of each block having a shallow groove on an outer face, a file fitted in each of the shallow grooves and secured to each of the blocks whereby the blocks are connected together as a unit, and means to rotate the blocks and the file as a unit on the fixed shaft whereby the file may contact rotating blades on a lawn mower on a line closely contiguous to a plane containing the fixed shaft and the axis of rotation of the blades, the means to rotate the split blocks on the shaft comprising a lug projecting from each end block and an adjusting set screw through each lug adapted to engage a fixed part of the lawn mower, to positively prevent rotation of the blocks due to sharpening contact of the blades and the file.

2,045,188
ASSEMBLING MACHINE FOR STITCHING TOGETHER FABRIC PIECES
Lyndon W. Joyce, Greensboro, N. C.
Application August 10, 1931, Serial No. 556,246
13 Claims. (Cl. 112—2)

1. In combination with a sewing machine, synchronized means for delivering a flat fabric blank and a tubular fabric blank from opposite directions to a common sewing point, inserting means for placing said flat blank within said tubular blank at said sewing point, means for holding said blanks at said sewing point while said delivering means retreats, means for starting the sewing machine, and stopping both of said delivering means automatically when the holding means has functioned and the delivering means have retreated, and means operated through the



stopping of said sewing machine when the sewing has been completed for starting said delivering means.

2,045,189
FLOWERPOT
Harold John Judd, London, England, assignor to The United Glass Bottle Manufacturers Limited, London, England, a British company
Application August 16, 1935, Serial No. 36,605
In Great Britain September 28, 1934
1 Claim. (Cl. 47—34)



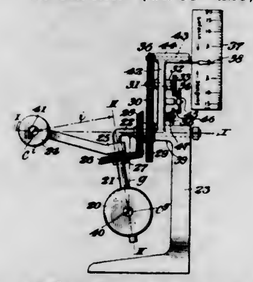
A one-piece flower pot composed of glass and having a flat bottom formed with a central opening, the inner surface of the bottom portion being formed with a plurality of radially disposed channels leading to the said opening so as to facilitate the draining away of any excess moisture tending to collect in the lower part of the pot.

2,045,190
COLLAPSIBLE TUBE
Gustav Kellner, Munich, Germany
Application September 1, 1934, Serial No. 742,500
In Germany September 7, 1933
8 Claims. (Cl. 299—90)



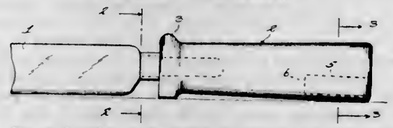
1. A collapsible tube for perfumes, drugs and other thin liquid cosmetics having a neck, a partition closing the neck located inwardly of the outer end of the neck, the said partition having a discharge aperture of capillary fineness, and an outwardly extending nozzle-like projection communicating with the discharge aperture, the said projection being wholly within the neck and forming a guide for a jet issuing from the tube.

2,045,191
GRADOMETER
Alfred Kreidler, Stuttgart, Germany
Application February 5, 1931, Serial No. 513,719
In Germany February 12, 1930
12 Claims. (Cl. 33—220)



1. In a gradometer, a support, a movable gravity-responsive member mounted in said support, grade-indicating means operatively connected to said gravity-responsive member, and a movable inertia-responsive member operatively connected to said gravity-responsive member and to said grade-indicating means, for adjusting said grade-indicating means to correct the error which is due to inertia forces acting on said gravity-responsive member, the center of gravity of said inertia-responsive member being substantially in line with the axis of movement of the gravity-responsive member.

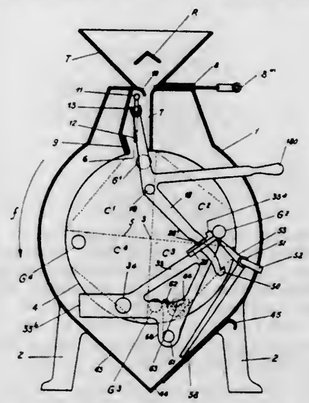
2,045,192
SAFETY KNIFE
John M. Kuhar, Akron, Ohio
Application February 11, 1936, Serial No. 63,430
4 Claims. (Cl. 30—9)



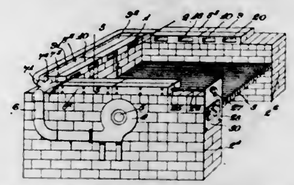
1. In a knife, a handle body, a guard collar encircling the handle body, said collar being circular throughout the major portion of its peripheral extent and having the remaining portion flat to form a supporting foot, and means forming a part of the handle for effecting the rolling of the handle and of said collar to bring the foot into supporting position.

2,045,193
AUTOMATIC GRAIN METER
Albert Létreux, Constantine, Algiers
Application July 27, 1935, Serial No. 33,591
In France July 31, 1934
12 Claims. (Cl. 73—217)

1. A grain meter comprising a frame, a system of equal buckets rotatable about a shaft in the frame and each having a cam, a feed hopper surmounting said system and under which the buckets successively pass, a trip in the hopper, a beam pivotable gravitationally about a fixed point on the frame and having abutments across the path of the cams, a pivotable lever connected to the trip and capable of locking or unlocking the beam, and associated means on the beam and lever whereby each of these two members is moved pivotally responsive to the angular position assumed by the other, said lever pivoting to beam-unlocking position due to the motion of the trip when the grain rises in the hopper after filling of the underlying bucket so as to permit rocking down of the beam off one of the cams and partial rotation of the system until rocking up of the beam by the next cam has pivoted the lever back to beam-locking position.

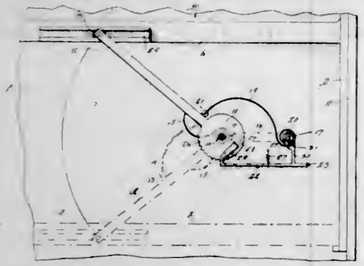


2,045,194
DEVICE FOR SUPPLYING HOT AIR TO A FURNACE
Robert Emile Luks, Paris, France
Application June 3, 1933, Serial No. 674,239
In France January 23, 1933
3 Claims. (Cl. 110—75)



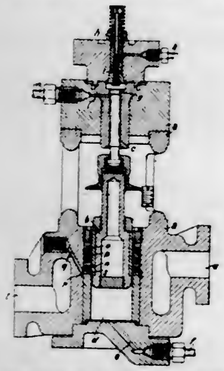
1. In a device for supplying hot air to a boiler furnace in combination an air blower, power driven means for same, a conduit forming a main passage adapted for insertion in the brickwork of the furnace above the grate, curved elbow branches from said conduit leading to lateral outlets in the face of the conduit, outer edges on the respective elbows which project into the interior of the main passage, the said projecting edges being connected with the next outlet passage by inclined surfaces, in which the conduit comprises two portions, a heater member within which is the main passage and the elbow branches and a distributor provided with lateral distributing orifices coinciding with the elbow branches mortice and tenon joints being provided at the adjoining faces between the heater and distribution members, and securing bolts for connecting said portions together.

2,045,195
WINDOW OPERATING MECHANISM
Glenn W. Mays, Midland, Tex.
Application March 12, 1936, Serial No. 68,515
13 Claims. (Cl. 268—126)



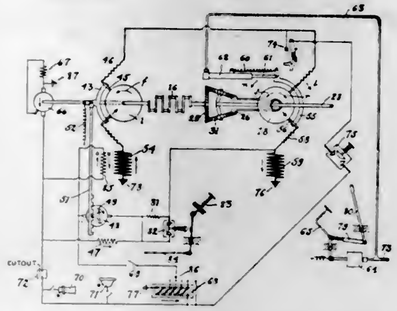
1. A window and means for opening or closing it, including a lever operatively engaged with the window, opposed springs bearing against opposite sides of the lever and manually shiftable means for shifting the springs relative to each other to carry one or the other of the springs nearer to or further from the fulcrum of the lever relative to the other spring.

2,045,196
FUEL-INJECTING PUMP FOR INTERNAL COMBUSTION ENGINES
Karl Mohr, Kiel, Germany, assignor to Fried. Krupp Germaniawerft Aktiengesellschaft, Kiel-Gaarden, Germany
Application October 18, 1935, Serial No. 45,675
In Germany October 27, 1934
3 Claims. (Cl. 103—50)



1. A fuel injecting pump for internal combustion engines comprising a casing, two cylindrical spaces formed therein and having different sectional area, a differential piston cooperable with said two cylindrical spaces and freely movable therein, means cooperable with the smaller piston part and cylinder for supplying fuel to, and leading it from, the latter to the working cylinder of the engine, means cooperable with the larger piston part and cylinder for causing the compression pressure occurring in the working cylinder of the engine to act upon said larger piston part, said larger piston part having a smooth sliding surface and said larger cylinder having circular grooves and inwardly pressing packing rings lodged therein and cooperable with said smooth sliding piston surface.

2,045,197
ELECTRIC SYSTEM, GEARING AND CONTROL FOR MOTOR VEHICLES
Alfons H. Neuland, Irvington, N. J., assignor, by mesne assignments, to The Power Transmission Company, Incorporated, New York, N. Y., a corporation of Delaware
Application April 29, 1929, Serial No. 359,031
Renewed January 6, 1936
66 Claims. (Cl. 172—239)



1. In combination, a power shaft, a load shaft, a power dynamo operatively connected with the power shaft, a second power dynamo, a differential gearing connected with the shafts and with the second dynamo and means including electric connectors between the dynamos and, a variable speed auxiliary dynamo rotatively connected with one of the shafts for operating the first dynamo as a motor when the speed of the auxiliary dynamo is relatively low and for operating the first dynamo as a generator when the speed of the auxiliary dynamo is relatively high.

2. In a transmission the combination of a dynamo casing, a hollow armature, a second hollow armature disposed within said casing having a magnetic circuit independent of the first armature, antifriction bearings for the armatures arranged within the hollow armatures, gearing arranged between the armatures and within one of the hollow armatures, and a rotatable housing for enclosing said gearing.
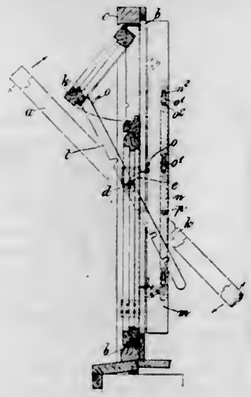
5. In a transmission system, a power shaft, a load shaft, two electrically connected armatures for transmitting power between the shafts, a pole piece facing one of the armatures adapted to form an eccentric air gap over the major portion of pole face which increases in the direction of power shaft rotation, and a pole piece facing the other armature adapted to form an eccentric air gap over the major portion of pole face which decreases in the direction of power shaft rotation.

12. In a transmission system, the combination of a power shaft, a load shaft, two electrically interconnected dynamos for transmitting power between the shafts provided with brushes and forming a load circuit, and means responsive to variations in the speed of one of the shafts and further responsive to variations of current in the load circuit for shifting the brushes of one of the dynamos.

38. In a transmission system, the combination of a power shaft, a load shaft, a direct current dynamo connected with the power shaft and having armature and field pole windings, a second dynamo connected with the load shaft, a load circuit connecting the two dynamos including said armature and field pole windings connected in series circuit relation, means for shifting the brushes of the first dynamo substantially through a polar angle, said armature winding being so connected and proportioned with respect to the field pole winding that its magnetizing force substantially neutralizes the magnetizing force of the field pole winding in the commutating zone throughout the brush shifting range, and means responsive to changes in the speed of one of the shafts for operating said brush shifting means in the direction of power shaft rotation for operation of the load shaft at a relatively low speed and for shifting said brushes in a direction opposite to the direction of the power shaft rotation for operation of the load shaft at a relatively high speed.

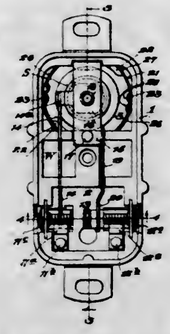
61. In combination, a variable speed power shaft, a load shaft, a dynamo connected in fixed speed relation with the power shaft and having shiftable brushes, a second dynamo coupled by differential gearing with both the power shaft and the load shaft and having shiftable brushes, a load circuit connecting said dynamos, means for normally biasing the brushes of the first dynamo to motoring position, means for normally biasing the brushes of the second dynamo to motoring position, means responsive to speed variations of the engine shaft for shifting the brushes of the first dynamo into generator position to transmit power from the power shaft to the load shaft, means responsive to current variations in said load circuit for modifying the action of said speed responsive means, means for shifting the brushes of the second dynamo into a position for generator operation when driven by the load shaft to transmit power in the reverse direction, and means for at will changing the standard of operation of said brush shifting means.

2,045,198
WINDOW LATCH MECHANISM
John Parsons, Coventry, England
Application May 23, 1934, Serial No. 727,195
In Great Britain May 29, 1933
5 Claims. (Cl. 292—162)



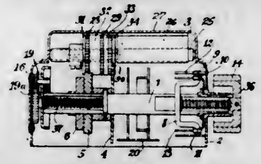
1. A latch for locking a strip member to a base member comprising a locking member carried by said strip member and extending over the greater part of the length thereof, said locking member being provided with two sets of slots, one set of slots co-operating with projections upon the strip member to retain the locking member for sliding movement thereon and the other set of slots co-operating with catch means upon the base member to lock the strip member thereto.

2,045,199
INDICATING WALL SOCKET
Carl M. Petersen, Trenton, N. J., assignor to Circle F Mfg. Co., Trenton, N. J., a corporation of New Jersey
Application October 23, 1931, Serial No. 570,723
1 Claim. (Cl. 177—311)



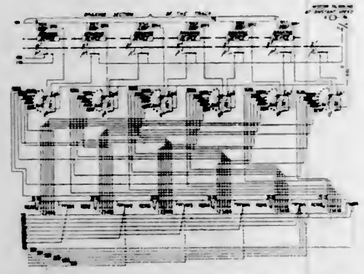
An indicating wall receptacle assembly including an insulating body having a socket chamber therein and a communicating lamp receiving opening at the front, said body being provided about said lamp receiving opening with a projecting boss, locking lugs on the body, a lamp socket mounted within and at the bottom of said chamber, a face plate secured to the insulating body over said boss, and a lamp shield arranged beyond the boss and provided with light emitting openings and also provided with a holding flange to engage with the lugs on said body.

2,045,200
PREPAYMENT MECHANISM
John Prince, Hollinwood, England, assignor to Ferranti Inc., New York, N. Y.
Application December 20, 1934, Serial No. 758,498
In Great Britain December 21, 1933
8 Claims. (Cl. 194—72)



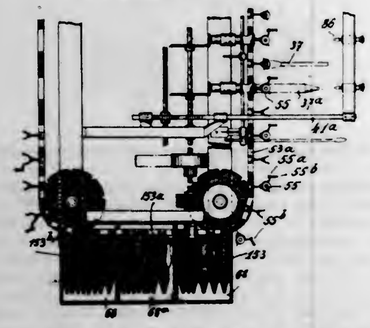
1. Prepayment mechanism comprising a carrier member, bearings restricting movement thereof to rotation about a fixed axis, a member axially slidable on but rotationally rigid with said carrier member, a further member axially slidable on but rotationally rigid with said carrier member, manual operating means, bearings restricting movement thereof to pure rotation, motion resolving means between said manual operating means and said first named axially slidable member imparting both rotational and axial movement components to said first named axially slidable member and thence by way of a coin inserted between said axially slidable members imparting an axial movement component to said further axially slidable member, setting mechanism and a plurality of means rigid with said further axially slidable member individually actuating said setting mechanism.

2,045,201
CAR BRAKING APPARATUS FOR RAILROADS
Jean Rabourdin, Paris, France
Application April 28, 1930, Serial No. 448,152
In France May 11, 1929
26 Claims. (Cl. 104—26)



1. In a braking apparatus of the type described comprising retarded switches, delay controlling relays each of which determines a certain delay for each retarded switch, said delay controlling relays being so mounted that the energizing of one of them will automatically cut off the energizing circuit of the precedingly operating relay, rotary switches adapted to successively energize said relays, driving relays for operating the last mentioned switches, a railway track, a plurality of insulated portions along one of the rails of the track, a source of current having one pole connected to the other rail of the track, electric relays connected to the other pole of the last mentioned source, and means, operated by the last mentioned relays, for operating said driving relays.

2,045,202
COP WINDING MACHINE
Wilhelm Reiners and Gustav Kahlisch, Gladbach-Rheydt, Germany, assignors to W. Schlafhorst & Co., Gladbach-Rheydt, Germany, a corporation of Germany
Application January 27, 1934, Serial No. 708,707
In Germany February 16, 1933
4 Claims. (Cl. 198—19)



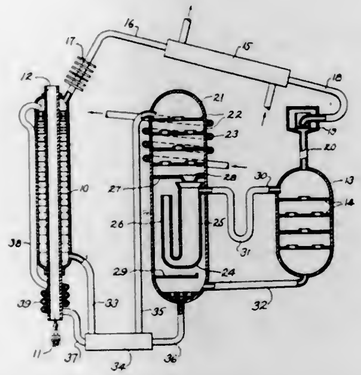
1. In a supply and discharge mechanism for winding machines having a plurality of spindles, an endless conveyor travelling in a horizontal plane and having a fixed position with respect to the winding machine, cop holders and tube holders pivoted on said conveyor to swing in a vertical plane, and means for simultaneously swinging a group of said holders.

2,045,203
DECOMPOSITION OF ENGEL SALT
Friedrich Rüsberg, Berlin-Niederschoneweide, Germany, assignor to Kali-Chemie, Aktiengesellschaft, Berlin, Germany
No Drawing. Application March 1, 1933, Serial No. 659,239. In Germany March 4, 1932
4 Claims. (Cl. 23—64)

1. A method for decomposing the double salt of magnesium carbonate and potassium bicarbonate generally known as Engel salt with water which consists in treating the Engel salt at temperatures between 40 and 80° C. with at least such an amount of water as is necessary to obtain an aqueous decomposition liquid containing potassium bicarbonate in an amount corresponding to 75 grams of K_2CO_3 per liter.

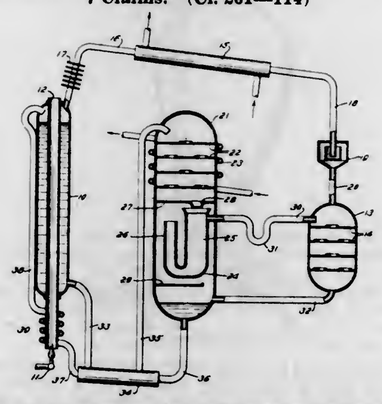
3. A method for making potassium salts of carbonic acid which consists in treating with carbon dioxide a suspension of magnesium carbonate trihydrate in an aqueous solution of potassium salts of strong mineral acids, separating the solid double salt formed from the liquid, treating said double salt at temperatures between 40 and 80° C. with at least such an amount of water as is necessary to obtain an aqueous solution of potassium bicarbonate concentration, calculated as K_2CO_3, below 76 g. of K_2CO_3 per liter, separating the solution from the magnesium carbonate trihydrate formed by the decomposition of said double salt, recovering the potassium salts from said solution and returning the magnesium carbonate trihydrate obtained into the process for the manufacture of fresh double salt.

2,045,204
REFRIGERATING SYSTEM
Harry C. Shagaloff, Evansville, Ind., assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Application July 8, 1932, Serial No. 621,326
28 Claims. (Cl. 62—119.5)



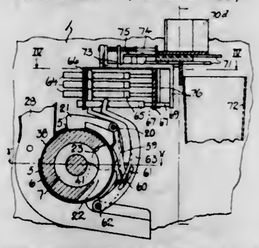
6. In a refrigerating system comprising a generator, condenser, evaporator, and absorber connected for the circulation of a first cooling fluid, means for separating in liquid phase a second cooling fluid from other fluid in said absorber and conducting in liquid phase the separated fluid to said evaporator.

2,045,205
REFRIGERATION
Harry C. Shagaloff, Evansville, Ind., assignor, by mesne assignments, to Servel, Inc., Dover, Del., a corporation of Delaware
Original application July 8, 1932, Serial No. 621,326. Divided and this application April 10, 1935, Serial No. 15,522
7 Claims. (Cl. 261—114)



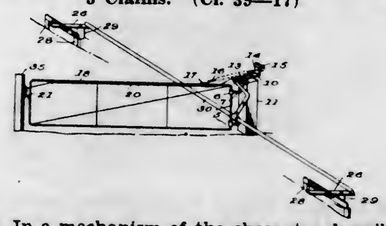
1. In an absorber for refrigeration apparatus, means for maintaining higher and lower temperature zones, connections for flow of liquid absorbent through said zones in series reversely, connections for flow of vapor through said zones in series respectively, and means for withdrawing immiscible liquid having less specific gravity than said absorption liquid intermediate said zones.

2,045,206
COIN CONTROLLED VENDING APPARATUS
Ole Sjuve, Høijord, near Tønsberg, Norway
Application August 15, 1934, Serial No. 739,970
In Norway September 25, 1933
2 Claims. (Cl. 194—63)



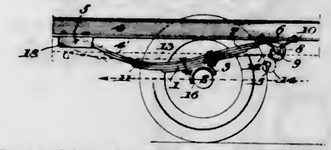
1. In a coin-controlled vending apparatus having a casing with a plurality of outlets for the operating coin, a spring pressed member for each of said outlets in the path of an operating coin discharged therefrom, change coin containers for coins of various values, movable coin emitters at the bottom of said containers and emitting a coin at each actuation thereof, and means operatively connecting each of said coin emitters with certain of said spring pressed members, the connection between the spring pressed members and the coin emitters comprising a lever to which said spring pressed member is attached, spring pressed bars attached to said levers and having cross pieces, each said cross piece having bores therein and pins adapted to fit said bores, and an arm on each coin emitter in the path of said pins when said cross pieces are moved whereby coins from selected containers may be emitted at each actuation of the spring member.

2,045,207
GATE OPENING AND CLOSING DEVICE
Albert Edward Spooner, Renfrew, Ontario, Canada
Application November 13, 1931, Serial No. 574,876
3 Claims. (Cl. 39—17)



1. In a mechanism of the character described, the combination with a vertical gate post having a gate pivotally connected thereto to swing in a horizontal plane, of a metal bearing clevis mounted on the inner side of the gate post at the top thereof, a reversing bar pivotally mounted in said clevis on a horizontal plane, an upright arm at one end of said reversing bar having an extension at its upper end extending at right angles thereto, a tension spring having one end connected to the extension of the upright arm and its opposite end to the top bar of the gate approximately midway the length of the gate, and remote means for operating said reversing bar.

2,045,208
SHOCK ABSORBER FOR VEHICLES AND OTHER LOADS
Edmond Stocq, Nice, France
Application March 12, 1931, Serial No. 522,130
In Belgium November 28, 1930
2 Claims. (Cl. 267—44)

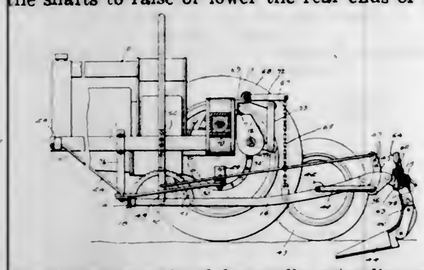


1. In a vehicle, an axle, a leaf spring, a chassis resting on said spring adjacent the ends thereof, a half sleeve on the axle interposed between said leaf spring and said axle, said spring being disposed with relation to the axle to provide an arm at one side of the latter of greater length than the arm at the other side thereof, the relatively short arm having a relatively low degree of resiliency and terminating in a loop, means connecting said loop with said chassis, the long arm having a high degree of flexibility and said sleeve permitting rocking movement of the spring about the axle.

2,045,209
LISTER PLOW ATTACHMENT FOR TRACTORS
Marion Claude Thomas, Post, Tex.
Application July 16, 1935, Serial No. 31,693
1 Claim. (Cl. 97—47)

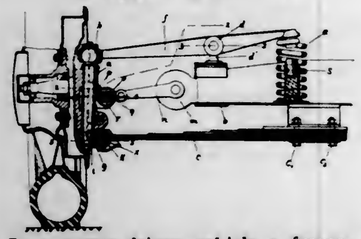
A lister plow attachment for tractors comprising a front frame bar, a rear frame bar parallel with the front bar, a plurality of spaced apart plow beams between the frame bars, means for

pivotally securing the front ends of the beams to the front bar, means for fixedly securing the rear portions of the beams to the rear bar, a pair of alined shafts provided with bell crank outer end portions, wheels carried by said outer end portions, lever means connected to the inner ends of the shafts to raise or lower the rear ends of the



plow beams, a pair of forwardly extending rods secured at their rear ends to the front frame bar, means at the front ends of said rods for securing the rods to the front portion of the tractor, a pair of apertured bars secured at one end to the front frame bar, and brackets adapted to be secured to the tractor adjacent the rear thereof and adapted to be secured to said apertured bars in a selected aperture.

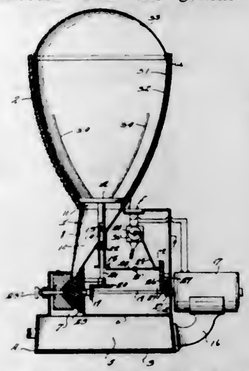
2,045,210
SPRINGING ARRANGEMENT FOR POWER-DRIVEN VEHICLES
Max Wagner, Stuttgart, Germany, assignor to Daimler Benz Aktiengesellschaft, Stuttgart-Untertürkheim, Germany, a company of Germany
Application January 19, 1934, Serial No. 707,385
In Germany January 26, 1933
12 Claims. (Cl. 267—20)



1. In a power-driven vehicle a frame, a vehicle wheel, a fork-like stub axle carrying the wheel, a steering swivel, mounted in the fork-like extensions of the stub axle, two guiding elements attached at one end to the frame and at the other end to the steering swivel, said guiding elements forming with the stub axle and the frame a quadrilateral guiding system for the wheel, an additional link member which is pivoted at one end to the frame in such a manner that it swings substantially parallel to the guiding elements, a joint piece mounted between the fork-like extensions of the stub axle on the steering swivel, to which the additional link member is pivotally connected.

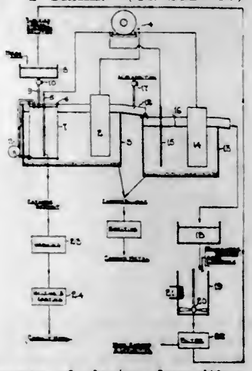
2,045,211
COMBINED COFFEE ROASTER AND GRINDER
Richard B. Whitfield, Riverside, Calif.
Application January 30, 1934, Serial No. 709,049
6 Claims. (Cl. 83—18)

1. A combined coffee roaster and grinder, comprising a bowl, an electric means for heating the contents of the bowl, said bowl having a discharge outlet, a vertically shiftable disc valve closing said discharge outlet, a grinder disposed beneath the outlet, a chute leading from the discharge outlet to the grinder, means for operating said grinder, agitating arms carried by said valve disc and extending into the bowl, means connected with the grinder operating



means for rotating the valve disc, time controlled means for opening said valve after a predetermined period of operation of the grinder operating means, and means forming a part of the mechanism operating at a predetermined time after the opening of the valve to stop the operation of the grinder operating means.

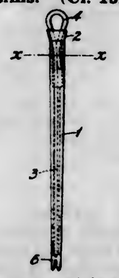
2,045,212
PRODUCTION OF COBALT
Francis Lawrence Bosqui, N'Kana, Northern Rhodesia, assignor to Rhokana Corporation Limited, N'Kana, Northern Rhodesia
Application June 29, 1933, Serial No. 678,298
1 Claim. (Cl. 204—57)



The process of electro-depositing cobalt from anode material containing iron, cobalt and copper, which consists in anodically corroding the anode material under conditions such that cobalt and iron go into solution in the electrolyte while the copper is mainly deposited as sludge, chemically precipitating iron from the electrolyte, and cathodically depositing cobalt therefrom, and maintaining the electro-chemical balance by anodically dissolving a further quantity of the same anode material in the electrolyte in a cell in which the conditions are such that cobalt and iron go into solution but are not electro-deposited whilst copper is deposited mainly as sludge.

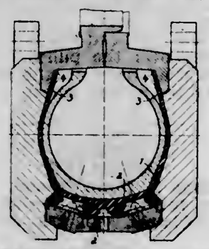
CARNEGIE LIBRARY OF ATLANTA

2,045,213
HAIR CURLER
Joseph Charles, Hammersmith, London, England
Application July 10, 1935, Serial No. 30,682
In Great Britain April 30, 1935
3 Claims. (Cl. 132—33)



3. A hair curler comprising a tube, a rod rotatable therein, hair engaging means on one end of said rod, the other end portion of said rod being bent upon itself to provide a hook member having a resilient limb, said limb being pressed toward the rod and being disposed within said tube, and a projection on said limb extending laterally relative to a plane including the rod and said limb into engagement with said tube, so that by rotating the hook member in a direction with said projection trailing said limb, the engagement between said projection and the tube causes said limb to tend to twist and force the limb toward the rod, thereby resisting rotation of the hook member, and so that by rotating the hook member in the opposite direction, the engagement of said projection with the tube prevents said twisting tendency and thereby permits the hook member to rotate freely within the tube.

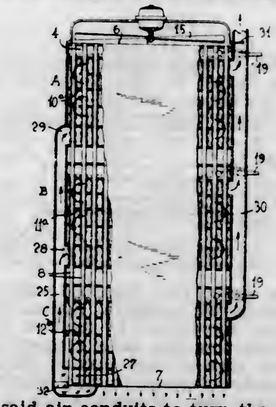
2,045,214
ANTISKID DEVICE
Ernst Coenning, Berlin-Charlottenburg, Germany
Application May 11, 1932, Serial No. 610,677
In Germany December 22, 1931
8 Claims. (Cl. 152—16)



7. An anti-skid device for pneumatic tires comprising a tread and resilient cup-shaped projections arranged on the tread in spaced relation in several rows, each of said projections having a cavity in the form of a shallow cone narrowing into an apex at the bottom, said cavity being obtuse in section due to its flaring contour.

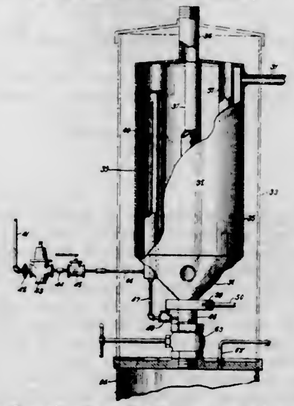
2,045,215
COOLING APPARATUS
George C. Coverston, Fallon, Nev.
Application July 10, 1935, Serial No. 30,680
2 Claims. (Cl. 62—139)

1. A cooling apparatus comprising an evaporating chamber, air conduits partly covered with porous material extending through the evaporation chamber, a liquid containing compartment within the evaporating chamber adapted to feed liquid to the covered portion of said conduits, a cup member formed around the ends of a por-



tion of said air conduits to turn the down flowing air upwardly through the evaporating chamber, and a dehydrator mounted in the cup member to reduce the dew point of the upwardly flowing air.
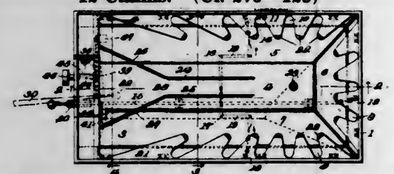
2,045,216
METHOD OF RECLAIMING USED LUBRICATING OIL
Henry G. Crowley, Fort Worth, Tex., and Edmund W. Riemenschneider, Canton, Ohio, assignors to Triploil Manufacturing Company, Incorporated, Dallas County, Tex.
Application February 6, 1933, Serial No. 655,504
4 Claims. (Cl. 196—16)



1. The herein described process of reclaiming used lubricating oils, the steps which comprise, introducing used oils and a colloidal absorbent into a heated zone and heating the same to a high degree of temperature, discontinuing the heat treatment and while the oil remains in a hot condition introducing steam upwardly through the body thereof of a pressure sufficient to completely agitate the mixture and carry off the released volatile constituents thereof, withdrawing the oil from the heating zone and introducing it to a separate filtration zone and forcing the same, under pressure, through a filtration

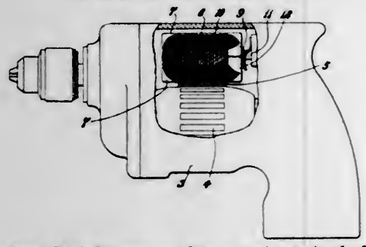
fabric, the said supply of steam tending to reduce the temperature of the oil to an extent such that it will not scorch the filtration fabric during the filtration stage.

2,045,217
GAME APPARATUS
Joseph V. Dean, Wilmington, Del.
Application August 30, 1933, Serial No. 687,497
12 Claims. (Cl. 273—125)



3. A game of the kind described comprising a playing field having a central horizontally disposed portion surrounded by inclined portions, stalls for collecting the balls disposed around the marginal edge of said playing field, a rebounding target disposed in said playing field and a shooting alley through which a ball is adapted to travel having walls guarding a plurality of said stalls, the walls of said shooting alley and rebounding target forming means for preventing a ball from being shot directly into any one of said stalls.

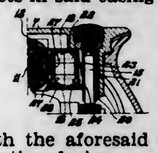
2,045,218
ELECTRIC MOTOR
Charles Desoutter, London, England
Application October 15, 1935, Serial No. 45,148
In Great Britain October 22, 1934
2 Claims. (Cl. 172—36)



1. An electric motor for a rotary tool device carried and applied by hand, having a casing, an armature in said casing, a horse-shoe field magnet and winding removable from said casing as a unitary structure independently of the armature, contact elements electrically connected to and in fixed association with said winding and other contacts located within said casing and enclosed thereby adapted to make electrical connection with said contact elements of the winding on insertion of said unitary structure in position in the casing and to break such electrical connection on the removal of said unitary structure, for the purposes set forth.

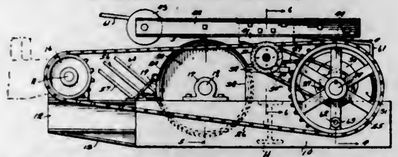
2,045,219
ELECTRIC MOTOR
Charles Desoutter, London, England
Application October 15, 1935, Serial No. 45,149
In Great Britain November 2, 1934
6 Claims. (Cl. 172—36)

1. A rotary tool device carried and applied by hand and incorporating an electric motor, comprising a casing, a removable switch unit mounted in a recess in said casing, contact-making circuit-completing devices on said switch unit, cooperating contacts in said casing and in resilient



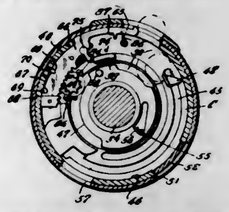
engagement with the aforesaid contact-making or circuit-completing devices, and means removably disposed in said casing to hold said switch unit in position therein.

2,045,220
DRAW WORKS
Thomas S. Dietle, Pawhuska, Okla.
Application August 11, 1934, Serial No. 739,464
5 Claims. (Cl. 255—2)



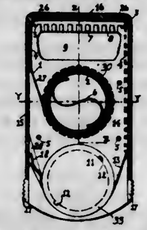
1. A draw-works including a supporting base, a bull-wheel shaft mounted thereon, a calf-wheel shaft mounted thereon, means for driving both of said shafts one independently of the other, a bull-wheel spool mounted upon the bull-wheel shaft and a calf-wheel spool mounted upon the calf-wheel shaft, a cat-head shaft operatively supported upon said base between the bull-wheel and the calf-wheel shaft and above both of said shafts, the cat-head shaft carrying at one end a cat-head, means for driving the cat-head shaft from one of the first named shafts, a walking beam, a pivotal support therefor through which the cat-head shaft passes loosely, the walking beam having at one end a pulley and at the other end having a roller, an eccentric on the calf-wheel shaft with which the said roller engages when the walking beam is tilted downward at the lower end of the beam, and a pulley loosely mounted on the cat-head shaft whereby a cable may be passed over the pulley of the walking beam around the pulley on the cat-head shaft and connected to the bull-wheel.

2,045,221
REGISTER
George B. Dunn, Miami, Fla.
Application July 30, 1934, Serial No. 737,668
9 Claims. (Cl. 235—32)



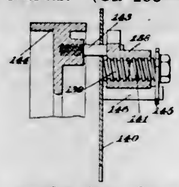
1. A coin register comprising a coin counter, a coin passageway, means for actuating the counter at predetermined intervals of distance through which the coin travels in the passageway before discharging, said passageway being provided with outlets at said predetermined intervals, a closure for the first of the outlets so that small coins can pass thereover, and means whereby large coins can remove said closure to permit the discharge thereof.

2,045,222
SAFETY RAZOR AND BLADE
Robert Ern, The Hague, Netherlands
Application September 30, 1933, Serial No. 691,711
In the Netherlands October 4, 1932
17 Claims. (Cl. 30—40)



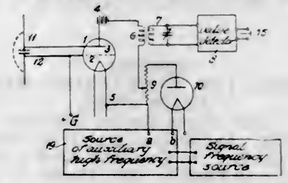
1. In a safety razor, a flexible blade strip in combination with a mounting comprising a flat body part and a casing adapted to fit over the body part; said body part having a bridge piece extending across its upper end and having in its intermediate part a circular recess open at one side of the body part, said body part having a guide-way communicating with the recess and leading around the bridge piece and through the body part to a discharge outlet; said flexible blade strip being coiled and placed within the circular recess to expand therein, and said blade strip having an end part leading along the guide-way of the body part to the discharge outlet; and said casing being slidable onto the body part to clamp the blade strip against the bridge piece.

2,045,223
ADJUSTMENT OF BRAKING MECHANISM FOR AUTOMOBILES AND OTHER VEHICLES
John Algerton Furness, Bromley, England
Application December 5, 1933, Serial No. 701,068
In Great Britain December 9, 1932
4 Claims. (Cl. 188—79.5)



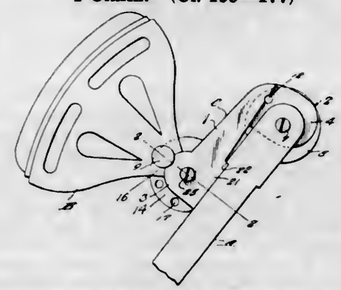
1. Braking mechanism for automobile and other vehicles comprising in operative connection with a part of the mechanism which is displaced during brake operation, a member formed with correspondingly inclined helical surfaces, a pair of relatively rotatable members having similar helical surfaces engaging the helical surfaces of the first-mentioned member, and means adapted to cause the said pair of relatively rotatable members to come into step to allow free rotational movement of the first-mentioned member in one direction relative to the said pair of members and to cause the said pair of relatively rotatable members to move into an out of step relation when the first-mentioned member is rotated in the reverse direction and thereby secure a locking effect after the first-mentioned member has been rotated in the said reverse direction to a given degree.

2,045,224
DUPLEX COMMUNICATION SYSTEM
Ernst Gerhard, Berlin, Germany, assignor to N. V. Machinerieen- en Apparaten Fabrieken "Mea", Utrecht, Netherlands
Application November 7, 1932, Serial No. 641,682
In Germany November 7, 1931
9 Claims. (Cl. 250—9)



3. An apparatus for duplex wireless communication with ultra-short waves, comprising a vacuum tube in brake-field-circuit connection which serves both for transmitting and receiving of ultra-short waves, said tube having a brake-field-electrode, a source of alternating current supply, means for rectifying the alternating current from said source, means controlled by said rectified current to produce a pulsating negative potential, means for impressing the pulsating negative potential on the brake-field-electrode of said tube, whereby the brake-field-electrode becomes more negative during alternate half periods of the alternating current for causing said tube to function as an oscillation generator during said half periods, and means for receiving signals during the intervals between said half periods.

2,045,225
HEADREST EXTENSION FOR BARBER CHAIRS
Loren B. Glasgow, Gunnison, Colo.
Application November 3, 1934, Serial No. 751,374
Renewed April 20, 1936
1 Claim. (Cl. 155—177)



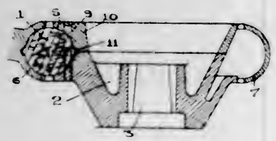
In combination with a barber chair headrest supporting shank having an enlarged upper end, the forward portion of which has an arcuate row of holes therein, and a headrest, an attachment comprising an elongated shank, a rearwardly extending head at the upper end thereof composed of a pair of spaced prongs having pivot holes therein, a pivot pin passing through said holes and through the upper enlarged end of the headrest shank, a plunger carried by the upper end of the elongated shank for engaging any one of the row of holes formed in said enlarged end of

the headrest shank, the elongated shank extending downwardly in front of the upper part of the headrest shank, the rear portion of the lower end of the elongated shank having a straight edge for resting against a part of the headrest shank, a forwardly extending head on the lower end of the elongated shank composed of three spaced prongs, the spaces receiving the prongs of the headrest, a pivot screw passing through the three prongs and the two prongs of the headrest, the central lower prong of the elongated shank having an annular row of holes therein, and a plunger carried by the headrest for engaging any one of said holes for holding the headrest in adjusted position.

2,045,226
PROCESS FOR EXTRACTING METALS FROM ORES
Carl Goetz, Berlin, Germany
No Drawing. Application March 27, 1933, Serial No. 663,100. In Germany April 1, 1932
10 Claims. (Cl. 75—6)

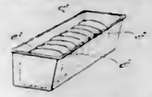
1. A process for obtaining non-ferrous metal from iron-containing ores thereof of sulphidic or arsenical nature, consisting in heating the unroasted ore in a stream of non-oxidizing gas at an elevated temperature which is substantially below the melting point of the ore, whereby the sulphur and arsenic combine with the iron which is present and the non-ferrous metal is liberated in its elementary state and conglomerated to coarse particles.

2,045,227
SHOCK-ABSORBING STEERING WHEEL FOR AUTOMOBILES
William Wilson Hamill, Four Oaks, England
Application January 10, 1935, Serial No. 1,113
In Great Britain January 16, 1934
4 Claims. (Cl. 74—552)



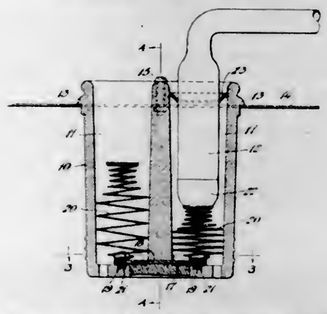
1. A steering wheel including a steering column member formed at spaced intervals with depressions, an outer steering wheel member including a rigid element to be arranged in the plane of the steering column member and spaced therefrom, the steering wheel member being formed with spaced depressions similar in size and shape to the depressions in the steering column member, a plurality of substantially solid elastic elements designed to fit snugly said registering depressions in the steering column member and steering wheel member, the cooperation of said elastic elements and the walls of the depressions providing a rigid nonyielding confinement of the elastic elements except in the area bridging the space between the steering column member and the steering wheel member, and means for compressing the elastic elements to increase the resistance to deformation, thereby to avoid any feeling of slackness between the steering column member and the steering wheel member during use and insure requisite firmness in the connection.

2,045,228
MANUFACTURE OF BREAD
Laurence Seymour Harber and John Edward Pointon, Peterborough, England, assignors, by mesne assignments, to Baker Perkins Company Incorporated, Saginaw, Mich., a corporation of New York
Application April 20, 1933, Serial No. 667,076
In Great Britain April 22, 1932
6 Claims. (Cl. 107—54)



1. In the manufacture of tin bread, dividing dough into a series of substantially equal pieces, subjecting the pieces to a rounding operation, flattening the rounded pieces into disc form, assembling the discs on edge in a baking tin and proving and baking the composite dough piece in the tin.

2,045,229
ELECTRODE HOUSING
William S. Hough, Kokomo, Ind.
Application May 13, 1931, Serial No. 537,104
Renewed June 23, 1934
3 Claims. (Cl. 173—328)

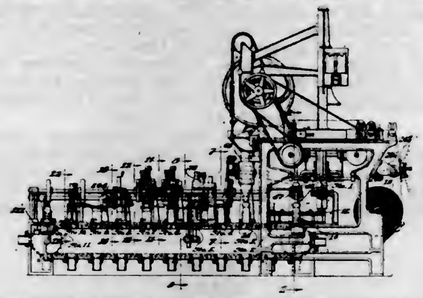


1. A twin electrode housing for neon signs comprising a single piece of porcelain having electrode sockets therein and closed at one end; a conductor member secured in the housing and having screw-threaded openings arranged centrally in the bottoms of said sockets; spring wire conductors having convolutions of such size as to guide them centrally in said sockets; screws secured to the spring wire conductors at one end and adapted to be guided by the convolutions thereof into said threaded openings; and a flange adjacent to the open end of said housing providing means to secure the housing to a sign plate.

2,045,230
PACKAGING MACHINE
Stanley R. Howard, Milton, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a corporation of Massachusetts
Application March 17, 1933, Serial No. 661,319
19 Claims. (Cl. 93—6)

1. In a machine of the character described, in combination, container forming means, means for supplying paraffin paper to the container forming means to form the container, means for removing portions of the paraffin from the material being supplied to the container forming means, means for securing said container, and means for closing and sealing the mouth of the container,

said paraffin removing means operating to enable the production of a paper to paper contact



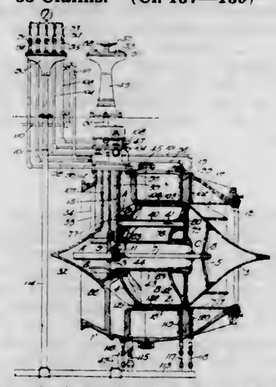
between the contacting portions of the mouth of the container to be sealed.

2,045,231
ADJUSTABLE HAT FORM
Louis Kalvin, New York, N. Y., assignor to Max Fluegelman, New York, N. Y.
Application May 11, 1934, Serial No. 725,029
6 Claims. (Cl. 223—25)



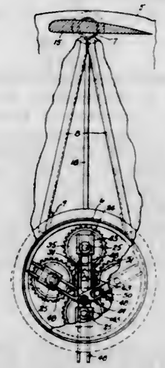
1. An expansible hat form comprising in combination, a pair of complementary rotund hollow form sections partially telescoping one within the other with their convex surfaces outward, snap fasteners fitted in the overlapping lower portions of said form sections to constitute a hinge, and means for resiliently rocking the upper portions of said form sections outwardly upon said hinge.

2,045,232
VALVE CONTROL MECHANISM
Phillip A. Kinzie, Denver, Colo., assignor to Universal Hydraulic Corporation, Denver, Colo., a corporation of Colorado
Application February 8, 1930, Serial No. 426,872
Renewed May 15, 1935
33 Claims. (Cl. 137—139)



1. In a control mechanism for valves of the plunger type having a pressure chamber to operate the plunger, the combination of a source of pressure fluid for the chamber, a control valve for the pressure fluid for controlling the pressure of the fluid in the chamber, manually operable rotatable means for the control valve, and further rotatable means automatically responsive to movement of the plunger to operate on the control valve.

2,045,233
PROPELLER FOR AIRCRAFT
Kurt F. J. Kirsten and Herbert M. Heuver, Seattle, Wash.
Application August 17, 1934, Serial No. 740,226
6 Claims. (Cl. 170—148)



1. In a cycloidal propeller comprising a rotor, a plurality of blades mounted on the rotor to extend substantially normal to the face thereof and means for causing uniform axial rotation of the blades on their axes in accordance with that of the rotor and means for superimposing an oscillating motion on each blade whereby the plane of its median chord will be maintained tangent to a prolate cycloidal path described by the axis of the blade.

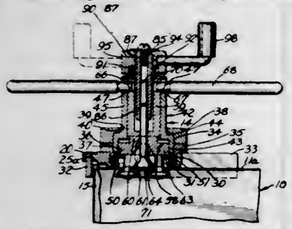
2,045,234
TREATMENT OF HYDROCARBON OILS
Jacque C. Morrell, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application September 17, 1931, Serial No. 563,459
4 Claims. (Cl. 196—36)

2. In the art of refining petroleum distillate, a step which comprises subjecting said distillate in heated vaporous condition to the action of a solution containing sulphuric acid and a salt of chromic acid in amount adequate to effect substantial dilution of the sulfuric acid.

2,045,235
DEVICE FOR SHAPING SHEET MATERIAL
Isidor Newman, New York, N. Y.
Application April 4, 1935, Serial No. 14,605
15 Claims. (Cl. 153—29)

1. A filling hole straightener for cans comprising a member adapted to be mounted on top of the can over the filling hole and having means engaging a side wall of the can for retaining the device on the can, said device having means adapted to project into the hole, means for moving said last mentioned means into engagement

with the rim edge of the hole, and means for



rotating said projecting means after the same has engaged said rim edge.

2,045,236
ALLOY
Roy E. Paine, Oakland, Calif., assignor, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Original application October 4, 1933, Serial No. 692,132. Divided and this application November 15, 1935, Serial No. 49,960
3 Claims. (Cl. 75—168)

1. A magnesium-base alloy containing from about 0.5 per cent to about 22.0 per cent of lead and from about 1.0 per cent to about 10.0 per cent of zinc, the balance being magnesium.

2,045,237
ALLOY
Roy E. Paine, Oakland, Calif., assignor, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Original application October 4, 1933, Serial No. 692,132. Divided and this application November 15, 1935, Serial No. 49,961
1 Claim. (Cl. 75—168)

A magnesium-base alloy containing from about 0.5 to about 22.0 per cent of lead, from about 1.0 to about 10.0 per cent of zinc, and from about 0.1 to about 2.0 per cent of calcium, the balance being magnesium.

2,045,238
ALLOY
Roy E. Paine, Oakland, Calif., assignor, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Original application October 4, 1933, Serial No. 692,132. Divided and this application November 15, 1935, Serial No. 49,962
1 Claim. (Cl. 75—168)

A magnesium base alloy containing from about 0.5 to about 22.0 per cent of lead, from about 1.0 to about 10.0 per cent of cadmium, and from about 1.0 to about 10.0 per cent of zinc, the balance being magnesium.

2,045,239
ALLOY
Roy E. Paine, Oakland, Calif., assignor, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Original application October 4, 1933, Serial No. 692,132. Divided and this application November 15, 1935, Serial No. 49,963
1 Claim. (Cl. 75—168)

A magnesium-base alloy containing from about 0.5 to 22.0 per cent of lead, from about 0.1 to 2.0 per cent of calcium, and from about 1.0 to 10.0 per cent of cadmium, the balance being magnesium.

2,045,240
ALLOY
Roy E. Paine, Oakland, Calif., assignor, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Original application October 4, 1933, Serial No. 692,132. Divided and this application November 15, 1935, Serial No. 49,964
1 Claim. (Cl. 75—168)

A magnesium-base alloy containing from about 0.5 to 22.0 per cent of lead, from about 0.1 to 2.0 per cent of calcium, from about 1.0 to 10.0 per cent of cadmium, and from about 1.0 to 10.0 per cent of zinc, the balance being magnesium.

2,045,241
ALLOY
Roy E. Paine, Oakland, Calif., assignor, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Original application October 4, 1933, Serial No. 692,133. Divided and this application November 15, 1935, Serial No. 49,965
3 Claims. (Cl. 75—168)

1. A magnesium-base alloy containing from about 0.5 to 22.0 per cent of lead, from about 1.0 to 15.0 per cent of aluminum, and from about 0.1 to 2.0 per cent of silicon, the balance being magnesium.

2,045,242
ALLOY
Roy E. Paine, Oakland, Calif., assignor, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Original application October 4, 1933, Serial No. 692,135. Divided and this application November 15, 1935, Serial No. 49,966
2 Claims. (Cl. 75—168)

1. A magnesium-base alloy containing from about 0.5 to 22.0 per cent of lead, from about 1.0 to 15.0 per cent of aluminum, and from about 0.1 to 1.0 per cent of manganese, the balance being magnesium.

2,045,243
ALLOY
Roy E. Paine, Oakland, Calif., assignor, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Original application October 4, 1933, Serial No. 692,135. Divided and this application November 15, 1935, Serial No. 49,967
2 Claims. (Cl. 75—168)

1. A magnesium-base alloy containing from about 0.5 to 22.0 per cent of lead, from about 1.0 to 15.0 per cent of aluminum, and from about 1.0 to 10.0 per cent of zinc, the balance being magnesium.

2,045,244
ALLOY
Roy E. Paine, Oakland, Calif., assignor, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Original application October 4, 1933, Serial No. 692,135. Divided and this application November 15, 1935, Serial No. 49,968
2 Claims. (Cl. 75—168)

1. A magnesium-base alloy containing from about 0.5 to 22.0 per cent of lead, from about 1.0 to 15.0 per cent of aluminum, from about 0.1 to 1.0 per cent of manganese, and from about 1.0 to 10.0 per cent of zinc, the balance being magnesium.

2,045,245
ALLOY
Roy E. Paine, Oakland, Calif., assignor, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Original application October 4, 1933, Serial No. 692,135. Divided and this application November 15, 1935, Serial No. 49,969
2 Claims. (Cl. 75—168)

1. A magnesium-base alloy containing from about 0.5 to 22.0 per cent of lead, from about 1.0 to 15.0 per cent of aluminum, from about 0.1 to 1.0 per cent of manganese, and from about 1.0 to 15.0 per cent of tin, the balance being magnesium.

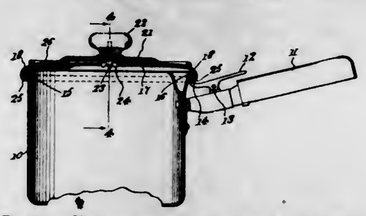
2,045,246
ALLOY
Roy E. Paine, Oakland, Calif., assignor, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Original application October 4, 1933, Serial No. 692,135. Divided and this application November 15, 1935, Serial No. 49,970
2 Claims. (Cl. 75—168)

1. A magnesium-base alloy containing from about 0.5 to 22.0 per cent of lead, from about 1.0 to 15.0 per cent of aluminum, from about 1.0 to 15.0 per cent of tin, and from about 1.0 to 10.0 per cent of zinc, the balance being magnesium.

2,045,247
ALLOY
Roy E. Paine, Oakland, Calif., assignor, by mesne assignments, to Magnesium Development Corporation, a corporation of Delaware
No Drawing. Original application October 4, 1933, Serial No. 692,135. Divided and this application November 15, 1935, Serial No. 49,971
3 Claims. (Cl. 75—168)

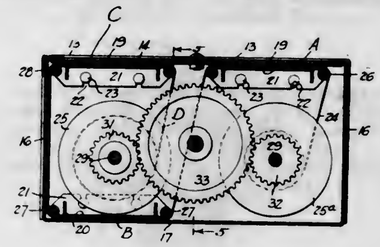
1. A magnesium-base alloy containing from about 0.5 to 22.0 per cent of lead, from about 1.0 to 15.0 per cent of aluminum, from about 0.1 to 1.0 per cent of manganese, from about 1.0 to 15.0 per cent of tin, and from about 1.0 to 10.0 per cent of zinc, the balance being magnesium.

2,045,248
CULINARY VESSEL AND THE LIKE
Herman H. Pearl, Floral Park, N. Y.
Application July 12, 1935, Serial No. 30,991
5 Claims. (Cl. 53—8)



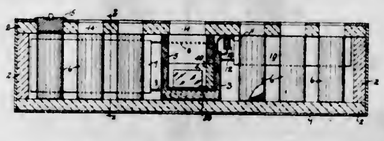
1. In a culinary vessel, a receptacle having a handle at one side and a cover releasing lever on the handle, said receptacle having a bead at its upper marginal edge and having a bulged portion offset outwardly adjacent the handle and lever, and a cover removably fitting on the receptacle and having a depending bead adapted to engage over the bead of the receptacle, said outwardly bulged portion of the receptacle bead yieldably binding against the cover bead to hold the same in interlocking relation with the receptacle and at a point adjacent said releasing lever.

2,045,249
CHANGEABLE EXHIBITOR
John Petersen and Charles R. Bushnell, Los Angeles, Calif.
Application November 5, 1934, Serial No. 751,599
2 Claims. (Cl. 40—95)



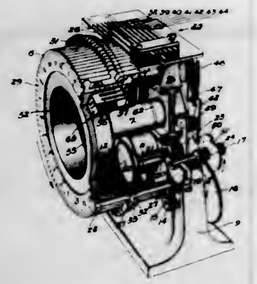
1. A machine of the class described comprising a casing having a pair of windows in juxtaposition to each other, a pair of winding and unwinding reels, respectively, a web co-operable with both reels and adapted to be paid off of one and paid onto the other thereof, means for training the web over a course to expose one side of the web at one window and the opposite side of the web at the other window and comprising an uneven number of identical tables supported within the casing to dispose two thereof in the same horizontal plane with each other and beneath the respective windows and another thereof laterally opposite and in spaced parallel relation to one of the two just referred to, and each of said tables having parallel disposed end rollers over which the web can freely move and be correlated to the winding and unwinding reels to be paid off one thereof onto the other as aforestated, and means for operating the reels to enable the web to be moved as aforementioned.

2,045,250
REFRIGERATING APPARATUS
Clara E. Quinn, Mount Vernon, Ill., assignor to Drlice Appliances Incorporated, Mount Vernon, Ill., a corporation of Delaware
Application July 10, 1934, Serial No. 734,474
Renewed November 19, 1935
8 Claims. (Cl. 62—101)



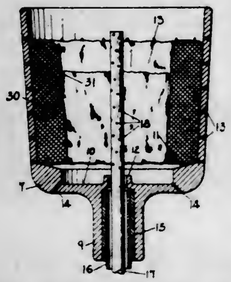
7. Refrigerating apparatus comprising a heat insulated cabinet, a metallic tank for liquid secondary refrigerant and having a wall for supporting a solid refrigerant in heat exchange relation with the secondary refrigerant, hollow metallic containers disposed within the cabinet to refrigerate separated spaces therein, and supply and return connections between the tank and containers forming a closed circulatory system therewith for the secondary refrigerant, the supply connections being made to the tank at points of different distance from the supporting wall of said tank.

2,045,251
TIME CONTROLLED PRESELECTOR SWITCHING MECHANISM
Joseph Raber, Haddonfield, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application May 22, 1931, Serial No. 539,309
19 Claims. (Cl. 250—20)



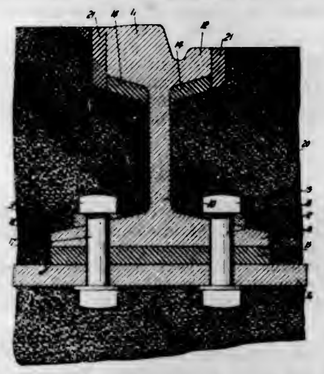
5. The combination with a switch having a plurality of sets of contacts adapted to be operated independently one with respect to another, of a time controlled selective operating means therefor including a rotatable drum, a plurality of longitudinally movable keys mounted on said drum and movable therewith to actuate said sets of switch contacts, said keys being movable with respect to said drum selectively into each one of a plurality of operating positions and into at least one inoperative position with respect to said sets of switch contacts, whereby each of said sets of switch contacts may be actuated by at least a selected one of said keys when moved by the drum, and means for causing said drum to rotate at a constant speed.

2,045,252
BUCKET
James D. Renfroe, Old Hickory, Tenn., assignor to Du Pont Rayon Company, New York, N. Y., a corporation of Delaware
Application July 24, 1934, Serial No. 736,669
3 Claims. (Cl. 18—8)



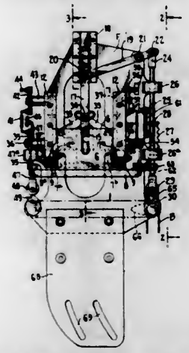
1. A centrifuging bucket for the liquid treating of artificial silk thread comprising a circular side wall and a thread supporting base inclined upwardly toward the side wall at a substantial angle, whereby treating liquid will be deflected upwardly against the said thread, a spray means projecting upwardly through said base, said base having a central, downwardly offset portion, and an annular upwardly directed flange surrounding said spray means.

2,045,253
CUSHIONED CAR RAIL
Curt Saurer, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application June 4, 1931, Serial No. 541,962
1 Claim. (Cl. 238—9)



In a railway, the combination of ties, track rails, rubber cushions between the ties and track rails, rubber cushions on the under side of the heads of the rails, and rigid paving material in contact with the sides of the rails and with the aforesaid members in which the paving material is flush with the top surface of the rails, including non-frangible water seals between the lateral faces of the rail heads and the adjacent pavement structure.

2,045,254
BAG CLOSING MACHINE
Phil G. Schlemmer, Nanuet, N. Y., assignor, by mesne assignments, to Rose Barbara Henderson
Application November 17, 1933, Serial No. 698,383
4 Claims. (Cl. 93—6)

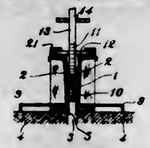


1. For use in closing the open end of a bag, a first spreader element which is adapted to enter said open end, additional spreader elements connected to the first spreader element, said additional spreader elements being laterally movable with respect to each other and with respect to the first spreader element, and means for moving all said spreader elements in unison and for moving said additional spreader elements relative to each other and relative to the first spreader element.

2,045,255
MANUFACTURE OF UNSATURATED HYDROCARBONS
Hans Tropsch, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware
No Drawing. Application February 17, 1934, Serial No. 711,737
7 Claims. (Cl. 260—170)

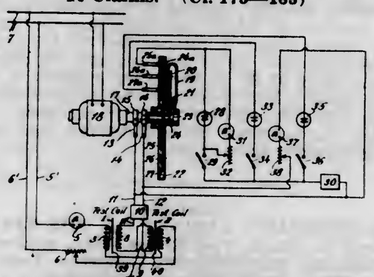
1. A process for the manufacture of ethylene which comprises subjecting a mixture of hydrocarbon gases to a temperature between 1050 and 1150° C., for a period of time less than $\frac{1}{10}$ of a second and under sub-atmospheric pressure, and separating and recovering ethylene from the thus treated gases.

2,045,256
MACHINE FOR INSERTING A COMPRESSED STRIP INTO A JOINT
Paul A. Voigt, Ozone Park, and Homer L. Rogers, Larchmont, N. Y., assignors to Johns-Manville Corporation, New York, N. Y., a corporation of New York
Application September 2, 1933, Serial No. 687,942
4 Claims. (Cl. 94—39)



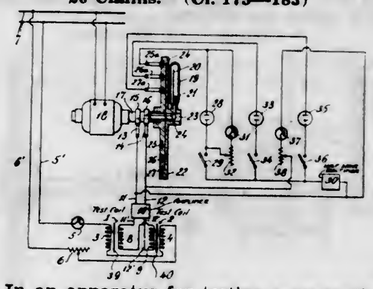
1. In a machine for compressing a strip of resilient material and forcing the strip into a joint between rigid sections of material, means for establishing the width of the compressed strip including two substantially plane surfaces, in sloping relationship to each other, defining therebetween a space becoming narrower at an edge thereof and means for forcing the strip, in compressed condition, between the plane surfaces, through the said space, and from the narrower edge of the space into the joint, the said plane surfaces at their edges defining the narrower portion of the space, extending into the joint, whereby expansion of the compressed strip before being inserted into the joint is prevented.

2,045,257
ELECTRICAL ANALYSIS (METHOD)
Theodor Zuschlag, Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y., a corporation of New York
Application April 3, 1933, Serial No. 664,163
10 Claims. (Cl. 175—183)



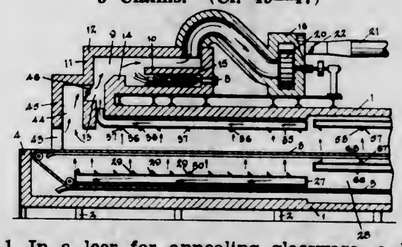
1. In a method of testing a magnetizable body, the improvement which comprises utilizing a primary current to establish an alternating magnetic flux in the body, inducing a secondary current by said magnetic flux, impressing the voltage of said secondary current across the terminals of a glow tube rotated in fixed time relation to the fundamental frequency of the primary current whereby the rotating tube is made to glow at one or more relatively fixed positions, and shunting a part of the induced voltage across the terminals of a second glow tube to cause the latter tube to glow in at least one of said fixed positions.

2,045,258
ELECTRICAL ANALYSIS (APPARATUS)
Theodor Zuschlag, Englewood, N. J., assignor to Magnetic Analysis Corporation, Long Island City, N. Y., a corporation of New York
Application April 3, 1933, Serial No. 664,164
20 Claims. (Cl. 175—183)



1. In an apparatus for testing a magnetizable body, the improvement comprising in combination a primary magnetizing circuit to establish a magnetic flux in the body to be tested, a secondary circuit inductively in association with said primary circuit adapted to receive an induced differential current through said body and containing a rotatable current indicating means, at least one tertiary circuit connectable in parallel with said secondary circuit and containing an indicating device adapted to produce separately for inspection at least one predetermined instantaneous point in each phase cycle of the secondary current and means for interrupting a contact between the secondary and tertiary circuits during a portion of each phase cycle of the secondary current.

2,045,259
LEER
George W. Batchell, Toledo, Ohio
Application April 24, 1933, Serial No. 667,602
5 Claims. (Cl. 49—47)



1. In a leer for annealing glassware, a leer chamber having a heating zone, a conveyor belt for conveying ware through the leer, the forward end of the leer having an opening for receiving ware, a connector chamber, a passageway for connecting the said end of the leer with the connector chamber, a conductor passageway for conducting air and combustion gases from the con-

nector chamber into the rear end of the heating zone, a fuel heater for heating air and gases circulated through the heating zone, a pressure means for producing a gas pressure in the conductor passageway to force the gases to the rear end of the heating zone, a stack pipe connected to the leer for removing a mixture of the combustion gases and air from the circulated mixture of gas and air in an amount substantially equal to the amount of air drawn through the said opening.

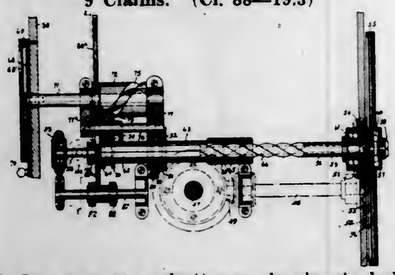
2,045,260

SHUTTER AND SHUTTER ADJUSTMENT FOR CAMERAS

Per Johan Berggren, Chicago, Ill.

Original application June 4, 1929, Serial No. 368,352. Divided and this application May 5, 1933, Serial No. 669,524

9 Claims. (Cl. 88—19.3)



1. In a camera, a shutter mechanism including shutters and rotative shafts on which said shutters are respectively mounted, and means for rotating said shafts, one of said shafts having a longitudinal spiral formation, a nut engaging said spiralled portion, a sleeve for shifting said nut longitudinally of said spiralled portion, means for shifting said sleeve longitudinally, and a ball bearing supporting the sleeve for rotative and longitudinal movement, said ball bearing also supporting the shutter shafts.

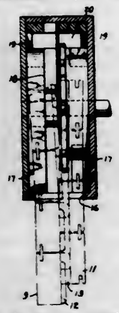
2,045,261

PUSH-PULL LINK TRANSMISSION

Harry W. Clute, Irvington, N. Y.

Application February 18, 1935, Serial No. 7,057

12 Claims. (Cl. 254—95)



1. A push-pull chain comprising in combination a plurality of parallel lying series of links, the links of each of the series being pivoted together and means for engaging said series of links to prevent turning about said pivots, said means being moved into and out of engaging position by relative movement of the different series toward and away from each other in a direction substantially parallel to said pivots.

2,045,262

REFINING OF HYDROCARBON OIL

Salmen Comay, Chicago, Ill., assignor, by mesne assignments, to Universal Oil Products Company, Chicago, Ill., a corporation of Delaware

No Drawing. Application November 14, 1929, Serial No. 407,278. Renewed April 27, 1934

5 Claims. (Cl. 196—26)

1. In the refining of cracked hydrocarbon distillates of motor fuel boiling range and containing sulphur and substantial proportions of unsaturated and aromatic hydrocarbons chemically reactive to sulphuric acid, the method which comprises heating such distillate with a metallic nitrate, thereafter treating the distillate with caustic solution, and then treating the distillate with sulphuric acid.

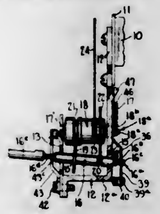
2,045,263

DRIVE FOR INDICATOR ELEMENTS

William H. Cooper, Passaic, N. J., and Clarence A. Pinkham, New York, N. Y., assignors to Pilot Radio Corporation, Long Island City, N. Y., a corporation of New York

Application June 15, 1934, Serial No. 730,772

8 Claims. (Cl. 74—10)



1. In a device of the class described, in combination with a frame member, an indicator disk carried on said frame member, a pointer adjacent said indicator disk and movable with respect thereto, a shaft coupling said indicator disk with tuning means, a disk carried on said shaft and rotatable to displace the tuning means and pointer, and means for displacing said disk at different speeds, said last-named means comprising a driven shaft carrying a channel frictionally interengaging with the peripheral surface of said disk to cause displacement thereof upon movement of said driven shaft, a disk and channel disposed on said driven shaft, a drive shaft mounted for vertical reciprocation to a plurality of positions and for rotation at any of such positions, said drive shaft having a peripheral channel and a disk, the disk of the drive shaft being adapted to frictionally interengage with its cooperating annular channel of the driven shaft at one position of said drive shaft, and the disk of said driven shaft being adapted to frictionally interengage with its cooperating annular channel of the drive shaft at the other position of said drive shaft, whereby at any one position of said drive shaft the driven shaft is actuated upon rotary displacement of said driving shaft at a predetermined drive ratio.

2,045,264

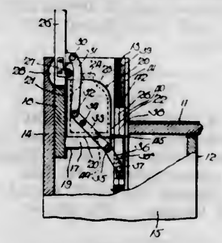
PHYSICIAN'S CABINET OR THE LIKE

Howell G. Evans, Two Rivers, Wis., assignor to Hamilton Manufacturing Company, Two Rivers, Wis., a corporation of Wisconsin

Application January 12, 1934, Serial No. 706,396

2 Claims. (Cl. 312—191)

2. An article of manufacture for use as a combined storage and working cabinet of the class described, including the combination comprising a cabinet frame having rear and side walls, a working top surface carried on said side walls, said top surface terminating short of the rear wall, a support carried by the rear wall by a



cantilever connection, said support being spaced from the working top and from the side walls, and cover operating elements for the support disposed and movable in the spaces between the support and the side walls and working top.

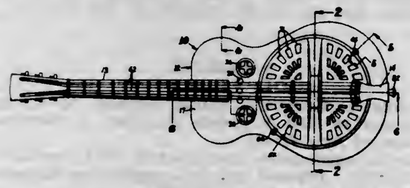
2,045,265

STRINGED MUSICAL INSTRUMENT

Rudolph Dopyera, Los Angeles, Calif.

Application April 16, 1934, Serial No. 720,753

11 Claims. (Cl. 84—292)



1. In a stringed musical instrument, a body portion, said body being formed of sheet metal and comprising a continuous side wall, a bottom member and a top member, means to secure said bottom member and said top member to said side wall, said top member including an integral outwardly pressed projecting finger board engaging portion.

2,045,266

PRODUCTION OF LIVER EXTRACT

Frederic Fenger, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a corporation of Illinois

No Drawing. Application April 30, 1934, Serial No. 723,175

8 Claims. (Cl. 167—74)

1. The process of preparing a concentrated extract of mammalian tissue which comprises producing an extract of the tissue containing a sufficient quantity of water to permit alcoholic fermentation, subjecting the extract to alcoholic fermentation to remove fermentable carbohydrates therefrom, and concentrating the fermented extract to the desired extent.

2,045,267

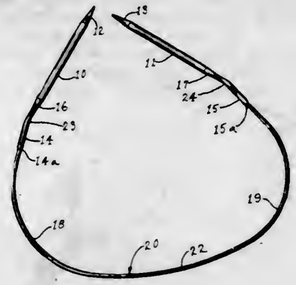
KNITTING NEEDLE

James H. Graham, Torrington, Conn.

Application January 12, 1934, Serial No. 706,330

3 Claims. (Cl. 66—117)

3. In a knitting needle, a flexible cylindrical section, an enlarged cylindrical working section having a cylindrical tip of smaller diameter than said working section, said tip having a pointed



extremity, the cylindrical portion of said tip serving to prevent accidental dropping of stitches from the needle.

2,045,268

KNITTING NEEDLE

James H. Graham, Torrington, Conn.

Application February 3, 1934, Serial No. 709,653

1 Claim. (Cl. 66—117)



In a knitting needle, a straight shank having a plurality of parallel non-circular rings formed on one end thereof, and a head having a non-circular anti-rolling section and a reduced tubular boss fitted over said rings, said boss being squeezed inwardly into permanent interlocking engagement with said rings.

2,045,269

AILERON CONTROL SYSTEM FOR AEROPLANES

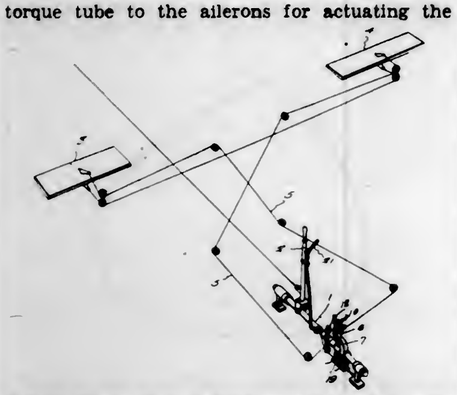
Wesley Blake Henderson, Cuba, Ill.

Application February 23, 1935, Serial No. 7,893

8 Claims. (Cl. 244—29)

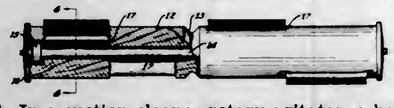
5. In an aileron control for aeroplanes and in combination with a torque tube, ailerons, and cables for transmitting movement of the torque tube to the ailerons; control arms loosely mounted on the torque tube and connected with said cables, means for placing said control arms into and out of fixed relation relative to the torque tube for transmitting movement of the

torque tube to the ailerons for actuating the



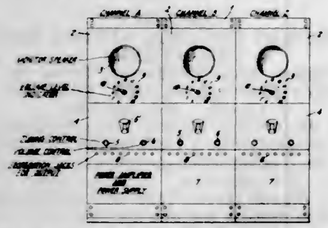
aileron either simultaneously or selectively independently of one another, optionally.

2,045,270
SUCTION CLEANER
Howard Earl Hoover, Glencoe, Ill., assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application October 16, 1933, Serial No. 693,707
13 Claims. (Cl. 15—6)



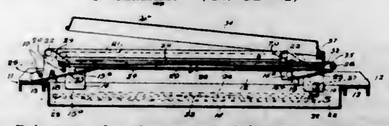
1. In a suction cleaner rotary agitator, a body, means to support rotatably said body, a surface-contacting-unit seat in said body, a rigid beater element comprising a rounded elongated surface-contacting portion and an elongated channel portion formed integrally therewith and spaced therefrom, a brush comprising a rigid back and flexible bristles, said brush back seated in said channel with said bristles extended adjacent said rounded surface-contacting portion, said beater element and brush forming a surface-contacting unit and adapted to be seated in said seat with said rounded portion and said brush extended radially beyond the periphery of said body, and means to secure removably said unit in said seat.

2,045,271
VOLUME MONITORING CONTROL
Alva R. Hopkins, Merchantville, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application November 15, 1932, Serial No. 642,711
3 Claims. (Cl. 250—20)



1. The method of adjusting the output volume of a radio receiver including a volume control device and having a graduated, adjustable attenuator and a sound reproducer connected to its output circuit, to a predetermined signal level which comprises the steps of adjusting said attenuator to a predetermined graduation position and adjusting said volume control device until the sound emitted from said reproducer just reaches the level of audibility.

2,045,272
ICING MECHANISM
Carl J. Hornkohl and Frank Deppe, Chicago, Ill., assignors to Ackles-Hornkohl Company, Chicago, Ill., a corporation of Illinois
Application August 14, 1935, Serial No. 36,101
8 Claims. (Cl. 91—4)



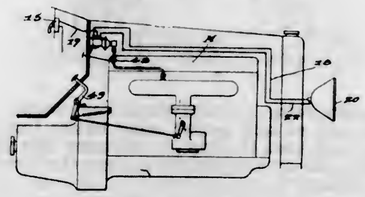
3. Icing mechanism comprising in combination a supporting frame, a depressible drainer support having parallel movement supporting mechanism, pivotally mounted on the frame, yielding means for holding said drainer support in raised position and a combined drainer and baking pan holder swingably mounted on said drainer support, said baking pan holder supporting one end of the baking pan in spaced relation to the drainer.

2,045,273
GOLF CLUB JOINT
Arthur A. Kraeuter, South Orange, N. J., assignor to The Kroydon Co., Inc., a corporation of New Jersey
Original application December 29, 1928, Serial No. 328,927. Divided and this application January 15, 1934, Serial No. 706,606
5 Claims. (Cl. 273—80)



1. In a golf club, the combination with a metal head having a hosel, of a metal shaft secured in said hosel and a sleeve on said shaft having its lower end longitudinally spaced from the lower end of the shaft, said sleeve engaging said shaft outside said hosel and having its exterior and interior surfaces tapered whereby they increase in diameter as the hosel is approached, said sleeve being of larger interior diameter at its lower end than at its upper end and said sleeve at its lower and larger end and for a considerable portion of its length being radially spaced from said shaft.

2,045,274
AUTOMATIC LIGHT CONTROL
John J. Kundig, New York, N. Y.
Application July 2, 1934, Serial No. 733,533
16 Claims. (Cl. 171—97)

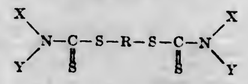


11. In an automotive vehicle including lighting circuits, a light pointing in the forward direction and a light pointing in the rearward direction of the vehicle, a multiple switch in said circuits for normally affecting said forward light to project a bright light beam and to break the circuit of said rear light, and switch control means operable coactively with a predetermined minimum movement of the engine throttle controls from any and all positions between open and closed and towards the closed position, thereby affecting said forward light so as to project a dim light beam and to simultaneously light said rear light.

15. In an automotive vehicle comprising an internal combustion engine, a light, control means for the light, a vacuum actuator having communication with the suction line of the engine and connected to operate said control means, resilient means for counterbalancing a predetermined minimum vacuum effect upon the actuator whereby to maintain said control means normally in one position, a spring pressed valve subjected to the differential of fluid pressures between the suction line and the atmosphere for automatically regulating the effective passage area of said communication upon an increase of suction power resulting from an operation of the throttle from any and all positoons and towards the closed position to thereby control the actuator actuation of said control means in one direction, and an adjustable check valve in said communication for regulating the fluid flow therein to thereby retard the reverse actuation of said control means by said resilient means upon manual throttle operation from any and all positions towards the open position.

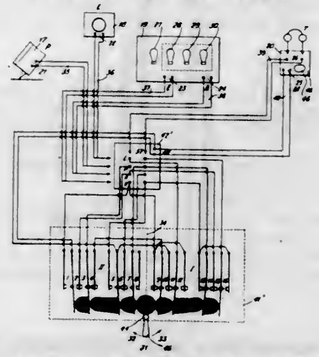
2,045,275
VULCANIZATION OF RUBBER
Percy J. Leaper, Naugatuck, Conn., assignor to United States Rubber Products, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application April 27, 1935, Serial No. 18,538
15 Claims. (Cl. 18—53)

4. A process of producing vulcanized rubber products which comprises incorporating in rubber a vulcanizing agent and a compound of the type



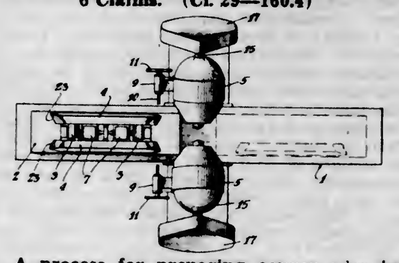
R being the acyl group of a dicarboxylic acid; X and Y each representing a hydrocarbon group which may be joined in the form of a heterocyclic ring, and vulcanizing the rubber.

2,045,276
COMBINED RADIO RECEIVER EQUIPMENT
Hugo Lichte, Martin Zeh, Paul Glass, and Karl Schwarz, Berlin, Germany, assignors to Allgemeine Elektricitatz Gesellschaft, Berlin, Germany, a corporation of Germany
Application April 1, 1932, Serial No. 602,454
In Germany April 1, 1931
2 Claims. (Cl. 179—100.11)



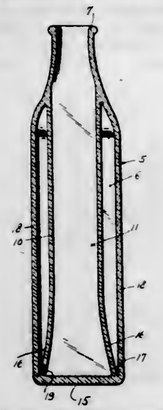
1. In combination with a radio receiver including a detector and audio amplifier, a loudspeaker, an electrical pick-up device, a microphone, a circuit connector box, connections from said pick-up, speaker and microphone to said connector, a connection between the amplifier output and said connector, an auxiliary connection from the said connector adapted to be connected to the detector input, and a single switch device connected to said connector, said switch being constructed to selectively connect the microphone or speaker in separate positions to the detector input and the pick-up to the amplifier output for recording, said switch additionally being arranged to connect in another position the pick-up to the detector input and said speaker to the amplifier output for reproducing records, said switch device comprising a spring packet assembly.

2,045,277
WIRE BAR AND PROCESS FOR MAKING SAME
Karl A. Lindner, Baltimore, Md., assignor to American Smelting and Refining Company, New York, N. Y., a corporation of New Jersey
Application February 5, 1936, Serial No. 62,394
6 Claims. (Cl. 29—160.4)



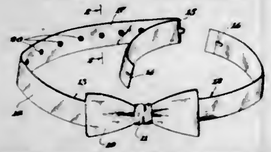
1. A process for preparing copper wire bars with tapered ends for subsequent working operations which comprises horizontally casting the bars, milling off the usual oxidized surface of the bar, and further milling off sharp, irregular edges along substantially the entire length of the bar including the tapered ends to prevent formation of surface imperfections in the finished product resulting from the subsequent working of the bar.

2,045,278
NONREFILLABLE BOTTLE
John R. Marshall, Yorkville, Ill.
Application February 4, 1935, Serial No. 4,894
4 Claims. (Cl. 215—15)



1. A non-refillable bottle comprising a hollow body formed with a filling and pouring neck and provided on its interior with a tubular member in registry at its intake end with and joined to said neck, said tubular member having its lower portion gradually tapered and flared in diverging directions and attached to the perimeter of the bottom of the bottle at which point it is provided with a passage.

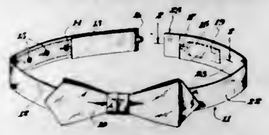
2,045,279
ADJUSTABLE NECKTIE
William Mayer, New York, N. Y.
Application July 26, 1935, Serial No. 33,284
3 Claims. (Cl. 2—155)



1. In an adjustable necktie, a neckband portion comprising inner and outer plies of relatively delicate tie material, said plies having their longitudinal edges turned inwardly and stitched together by concealed stitching the inner ply having a series of perforations arranged in predetermined longitudinally spaced relation, said neckband portion being adapted to be doubled back upon itself and provided at its end with a male fastening element adapted to engage with a selected perforation, a reinforcement band or relatively staunch material arranged on the inside surface of said inner ply, said band having perforations registering with those in said inner ply, and means marginally interengaging each pair of registering perforations for securing the reinforcement band in position.

2,045,280
NECKTIE CONSTRUCTION
William Mayer, New York, N. Y.
Application July 20, 1935, Serial No. 32,344
2 Claims. (Cl. 2—155)

1. In a tie having a neckband portion composed of two sections, means for separably joining said sections end to end, comprising complementary fasteners carried by said sections, respectively, an open-end pocket formed on the end of one of said sections, and one of said



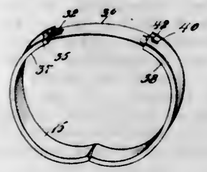
fasteners being carried within said pocket, the outer wall of said pocket being longer than the inner wall so as to form an extension flap which overlies the area of juncture when the fasteners are connected.

2,045,281
ADJUSTABLE NECKTIE
William Mayer, New York, N. Y.
Application March 23, 1936, Serial No. 70,378
3 Claims. (Cl. 2—155)



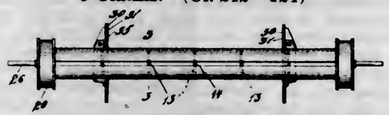
1. In an adjustable necktie, a neckband portion comprising inner and outer plies of tie material having their longitudinal edges turned inward, a label coextensive in width with said inner ply and having its longitudinal edges also turned inward, longitudinal rows of concealed stitching securing the turned-in edges of the outer ply to the turned-in edges of said inner ply and label, said label having a series of perforations arranged in predetermined longitudinally spaced relation, a narrow reinforcement band beneath said label and having perforations registering with those in said label, and means marginally interengaging each pair of registering perforations; said neckband portion being adapted to be doubled back upon itself and provided at its end with a male fastening element adapted to engage with a selected perforation.

2,045,282
BRACELET
Alpha H. Metcalf, Attleboro, Mass., assignor to Cheever, Tweedy & Co. Inc., a corporation of Massachusetts
Application November 7, 1934, Serial No. 751,835
8 Claims. (Cl. 63—7)



1. A hinged bracelet comprising two stiff sections, each having an inner member with flanges, and an outer semi-circular member secured to said flanges and cooperating to form an arcuate tube, and a portion of the hinge formed of the stock of the outer member of each section for pivotally joining the sections together.

2,045,283
WARP BEAM
Frank Mossberg, Attleboro, Mass., assignor to Mossberg Pressed Steel Corporation, a corporation of Massachusetts
Application August 29, 1933, Serial No. 687,292
9 Claims. (Cl. 242—124)



1. In a warp beam, a tubular barrel having longitudinally extending spaced edges unconnected at points along the length of the barrel, disks within said barrel supporting the same at spaced points and having notches at said spaced edges for the reception of a warp fastening rod member.

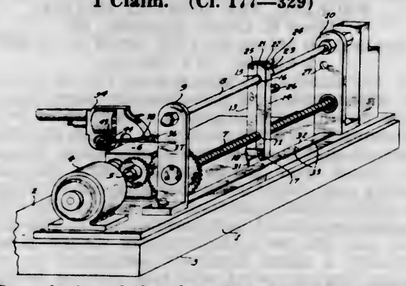
4. In a warp beam, a barrel member, a head member comprising a disk and a hub in the form of a band embracing said barrel member and adjustable therealong, flexible ribs secured to said hub and extending outwardly therefrom and secured to the outer surface of said disk, said hub and a portion of one of said ribs being free and spaced from said disk to permit of flexing and a radial contraction of said hub.

2,045,284
ELECTRIC SADIRON
Edward D. Perry, Waterbury, Conn., assignor to The Beardsley & Wolcott Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application August 3, 1931, Serial No. 554,640
8 Claims. (Cl. 219—25)



4. In a sad-iron, a filler block, a thin metal sole plate having a recessed section, means connected to said filler block and having a head seated in said recess, and means integral with said sole plate in said recess spaced from the edge thereof initially flush with the surface of said sole plate and bent down over said head for connecting said filler block to said sole plate.

2,045,285
BURGLAR ALARM
Krischtof Spring and Jack Spring, Portland, Oreg.
Application December 3, 1934, Serial No. 755,677
1 Claim. (Cl. 177—329)

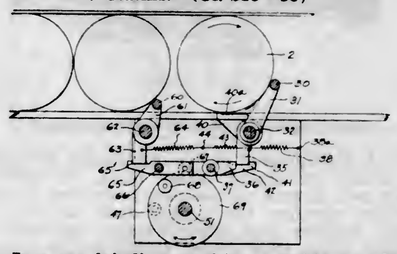


In a device of the class described, a support, a firearm of the repeating type, in which a pull on the trigger fires a single shot, mounted on said support, an electric motor mounted on said support, means operated by the motor for pulling the trigger a plurality of times in succession, a circuit including said motor and a switch in said circuit adapted to remain closed on being closed, a normally closed second switch in said circuit, means operated in synchronism with the motor operated means for opening the second switch, including means for adjusting the length of time the motor operates to control the number of shots fired.

2,045,286
METHOD OF STABILIZING REFLECTORS
Martin Tosterud, Arnold, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a corporation of Pennsylvania
No Drawing. Application December 27, 1932, Serial No. 649,111
3 Claims. (Cl. 148—6)

1. The method of stabilizing the reflecting power of aluminum surfaces consisting of heating said surfaces in contact with a solution of a substantial amount of chromate in water.

2,045,287
ATTACHMENT FOR CAN LABELING MACHINES
George A. Bardet and George V. Bardet, Berkeley, Calif., assignors to M. J. B. Company, a corporation of Delaware
Application May 17, 1935, Serial No. 22,041
7 Claims. (Cl. 216—58)

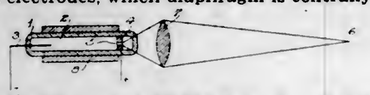


1. In a can labeling machine, a guideway along which tearing strip cans may be rolled, a traveling belt operating along the guideway in rolling contact with the cans for advancing them along the guideway, a can registering stop member, means normally supporting the stop member in the guideway to temporarily stop each can in its advancement, but permitting continued rotation of the stopped can by the belt, a latch member disposed to be engaged by the tearing strip tongue of the rotated can to stop rotation of the can while held against advancement and means independent of the latch and operable subsequent to stopping the can to release the can registering stop member for a resumed advancement of the registered can.

2,045,288
GASEOUS LUMINOUS LAMP
René Barthélemy, Fontenay Aux Roses, France, assignor to Compagnie pour la Fabrication des Compteurs et Materiel d'Usines a Gaz, Montrouge, France
Application November 30, 1931, Serial No. 578,005
In France December 4, 1930
12 Claims. (Cl. 176—122)

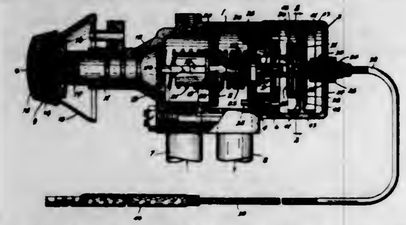
3. Luminous gas filled tube for television, telecinematography and other projections, comprising a long tube having a relatively small diameter

and containing low pressure gas, an electrode disposed within one end of said long tube, an electrode forming a diaphragm disposed within the other end of the tube, means for applying a modulated difference of potential to said electrodes and producing an electric discharge between the latter including wires abutting against said electrodes, which diaphragm is centrally dis-



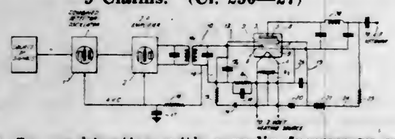
posed with respect to the axis of said tube in order to utilize solely the light produced in the axis of said electric discharge and is provided with a layer of insulating material upon the conducting surface opposite said discharge, and an opaque covering enveloping said tube and having a reflecting interior surface directing the light developed in the tube into the axis thereof.

2,045,289
THERMOSTATIC VALVE CONTROL
Charles D. Bolin, St. Louis, Mo., assignor to American Thermometer Company, St. Louis, Mo., a corporation of Missouri
Application July 19, 1934, Serial No. 736,020
10 Claims. (Cl. 236—99)



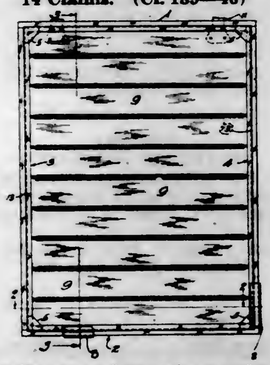
1. A thermostatic device comprising two pairs of nested corrugated flexible disks, the disks of each pair having overlapping peripheral flanges welded together, the middle disks abutting at their middles and being welded together, an axially bored stud welded to the middle portion of one of said disks, said disk and said middle disks having central perforations, and a supply of heat responsive fluid, whereby the disks of each pair are normally in contact with each other but are separated when heat forces said fluid into the spaces between disks.

2,045,290
COMBINED DIODE DETECTOR AND AMPLIFIER CIRCUIT
Don G. Burnside, East Orange, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application September 27, 1933, Serial No. 691,115
9 Claims. (Cl. 250—27)



1. In combination with a radio frequency amplifier, a multifunction tube including a cathode, two anodes and at least two grids, an input circuit coupled to said amplifier and connecting one of said anodes to said cathode, said input circuit including an impedance and coacting with said one anode and cathode to provide a diode rectifier, means for connecting one of said grids to a point on said impedance, means for connecting the other anode to said cathode through a path which includes a source of positive anode potential, said point supplying the audio frequency component of the potential developed across said impedance to said one grid, an automatic gain control connection between said impedance and the amplifier, said other grid being disposed between said diode anode and the cathode and being maintained at substantially cathode potential whereby the development of a bias voltage across said impedance is substantially prevented.

2,045,291
CAR DOOR
Edwin G. Busse, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a corporation of Illinois
Application June 24, 1933, Serial No. 677,367
14 Claims. (Cl. 189—46)

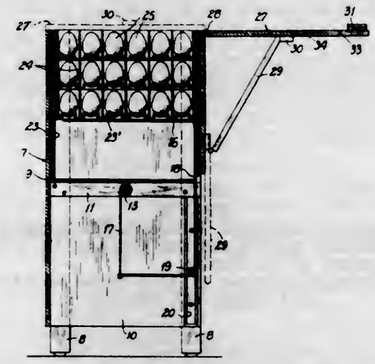


1. In a railway car door, a frame of commercial rolled angular shapes having portions disposed substantially parallel to general plane of the door and portions projecting transversely of said plane, and a renewable panel structure carried by said frame and consisting of a plurality of metal plates with marginal portions remote from said angular shapes and including elements spaced apart transversely of the general plane of the door, certain of said elements on adjacent plates being welded together along lines spaced from each other transversely of said plane to form a girder-like member reinforcing the panel structure transversely of said plane.

2,045,292
PACKING AND DISPLAY DEVICE
Abner B. Carey, Grayville, Ill.
Application March 25, 1935, Serial No. 12,860
2 Claims. (Cl. 226—16)

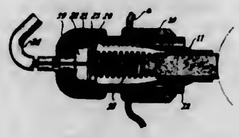
1. In combination with a stand having a space for the reception of a commodity case, an elevator positioned in said case, said elevator being substantially U-shaped, one of the parallel portions of said elevator being positioned beneath the lowest layer of commodity, filling the commodity case placed in said stand, a rod positioned in sliding engagement in said stand, the other parallel portion of said elevator being placed so that said rod rests in the lower corner of said elevator, a shaft rotatively positioned in said stand, chains having one end secured to said shaft and the other to the lower parallel portion of said elevator, a handle secured to said shaft,

a ratchet secured to said shaft, a pawl secured to said stand in operative relationship with said ratchet, so that by rotating said shaft said ele-



vator may be raised or lowered, and so that by means of said pawl and ratchet said elevator may be secured in any of its positions.

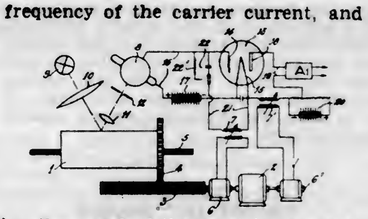
2,045,293
ELECTRIC MOTOR
Vernon E. Carlson, Canton, Ohio, assignor to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application August 20, 1932, Serial No. 629,654
4 Claims. (Cl. 171—324)



1. A mounting for a commutator brush comprising a frame having a seat, a metallic socket carried by said seat and insulated therefrom, said socket having a transversely extending flange, a cap of resilient insulating material shaped to seat against, cover and protect the end of said socket and to enclose said flange and formed centrally with a spring seat, the relationship being such that it is necessary to manually deform said cap to position and remove it on and from said socket, a current-carrying brush slidably carried in said socket, and a resilient spring seating on said cap and extended between said cap and said brush and urging said brush longitudinally of said socket.

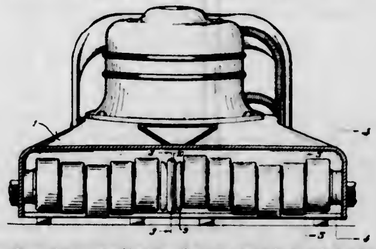
2,045,294
SYNCHRONIZING APPARATUS FOR PHOTO-TELEGRAPHY
Austin G. Cooley, New York, N. Y., assignor, by mesne assignments, to Radio Corporation of America, a corporation of Delaware
Original application December 11, 1924, Serial No. 755,336, now Patent No. 2,015,742, dated October 1, 1935. Divided and this application December 22, 1931, Serial No. 582,550
8 Claims. (Cl. 178—69.5)

1. The method of synchronizing picture transmission apparatus which comprises driving the transmitting apparatus at a speed determined by the frequency of the carrier current, and con-



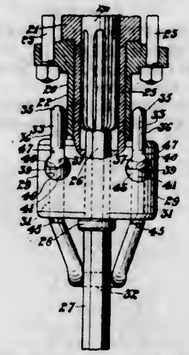
trolling the speed of the receiving apparatus by the modulated carrier current.

2,045,295
SUCTION CLEANER
Stanley R. Cummings, Canton, and Charles R. Mummery, North Canton, Ohio, assignors to The Hoover Company, North Canton, Ohio, a corporation of Ohio
Application June 26, 1933, Serial No. 677,580
3 Claims. (Cl. 15—13)



1. A rotary agitator for a suction cleaner including a body mounted for rotation about its longitudinal axis, said body formed with eccentric seats each including a resilient channel, a flat surfaced beating cylinder of rubber encircling said body having a radially extending flange slidably and rotatably seated in said channel.

2,045,296
STEEL RETAINER
George H. Fuehrer, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application May 16, 1935, Serial No. 21,755
3 Claims. (Cl. 121—32)



1. In a steel retainer, comprising in combination with a front head and a collared working implement, lugs on the front head having bores therein comprising enlarged and reduced portions, there being seating surfaces at the junc-

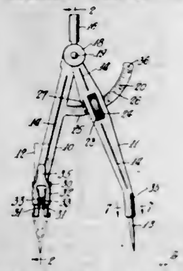
tures of the enlarged and reduced portions of the bores, a yoke to retain the working implement in the front head, side arms on the yoke having forwardly projecting portions extending through the reduced portions of the bores and having enlarged portions on their ends, and means in the bores to press the enlarged portions against the seating surfaces.

2,045,297
GREASE GUN FILLER
Russell J. Gray, Minneapolis, Minn.
Application August 4, 1932, Serial No. 627,527
1 Claim. (Cl. 221—47.5)



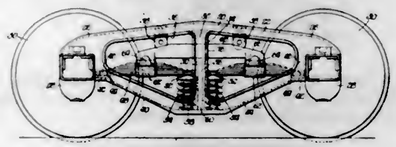
A refill pump adapted to be temporarily inserted into an original container of lubricant with its lower end in abutting and cooperative relation with the bottom of said container, comprising a tubular cylinder, having an intake check valve at its lower end, a tubular plunger of generally the same length as the cylinder, slidably mounted within said cylinder, said tubular plunger having an intake valve carried at its lower end, and a nozzle at its upper end having a side opening near the end thereof, a handle member near the upper end of said tubular plunger for raising the same, and means intermediate said cylinder and said plunger for maintaining a pressure-proof seal therebetween.

2,045,298
DRAFTING COMPASS
Benjamin W. Hanle, Elizabeth, N. J., assignor to Eagle Pencil Company, New York, N. Y., a corporation of Delaware
Application October 6, 1932, Serial No. 636,508
6 Claims. (Cl. 33—155)



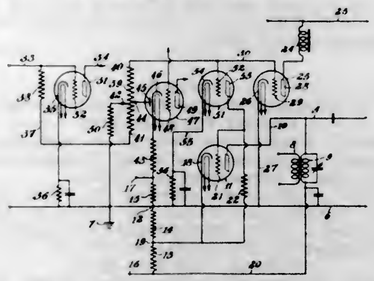
1. A compass of the character described including a pair of legs pivotally connected together at one end, one leg carrying a marking implement at its free end and the other leg affording means to penetrate the article to be marked, an arcuate rack extending laterally from one leg about the pivot point of the legs as a center, guide means on the other leg interlocked with said rack, a nut encircling the arm meshing with the rack teeth and restrained against lateral movement with the arm by the guide carrying leg, said guide means comprising an apertured ear struck out from the guide carrying leg, said nut including a portion accommodated in the opening formed by striking out said ear.

2,045,299
TRUCK
William C. Hedgcock, Wilmette, Ill., assignor to American Steel Foundries, Chicago, Ill., a corporation of New Jersey
Application November 11, 1932, Serial No. 642,144
20 Claims. (Cl. 105—197)



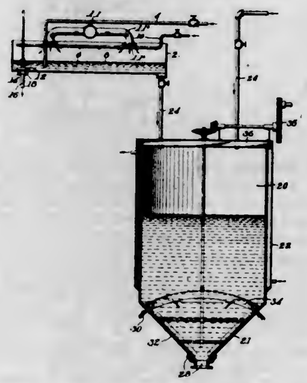
1. In a car truck, the combination of a side frame including a tension and a compression member merging adjacent the ends thereof and having journal boxes, a central column integrally connecting said tension and compression members forming windows therewith and having guiding surfaces, said column being recessed on each side thereof, spring seats in said recesses and adjacent said journal boxes, a coil spring disposed on one of said seats in each of said windows, a leaf spring having one end seated on the other of said seats in each of said windows and the other end thereof supported by the coil spring in its respective window, and a load carrying member extending into each of said windows and supported on said leaf springs, said load carrying member having sliding cooperation with said guiding surfaces and comprising a transom and a bolster movably supported on said transom.

2,045,300
RADIO RECEIVING SYSTEM
Winfield R. Koch, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application May 31, 1934, Serial No. 728,252
9 Claims. (Cl. 250—20)



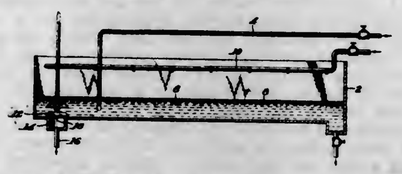
1. In a radio receiving system, the combination of means for varying the selectivity of said system, and means for maintaining the acoustic balance of the audio frequency output characteristic thereof substantially constant with variations in selectivity, said last named means including audio frequency tone control means for attenuating signals in the low frequency end of the audio frequency range simultaneously with the effective attenuation of signals in the high frequency end of the audio frequency range by operation of said selectivity control means.

2,045,301
CRYSTALLIZING PROCESS
Theodore W. Langer, Tulsa, Okla., assignor to Texaco Salt Products Company, New York, N. Y., a corporation of Delaware
Application June 23, 1934, Serial No. 732,013
8 Claims. (Cl. 23—128)



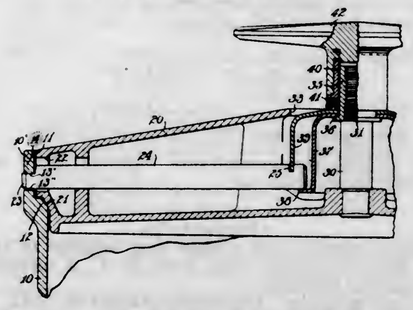
7. The method of producing crystals of precipitated salt comprising forming seed crystals by maintaining an undersaturated solution of a salt under quiescent conditions and without boiling in a shallow pool until supersaturation occurs and thereafter precipitating seed crystals from said solution, mixing said seed crystals with a fresh supply of a solution of said salt and agitating said mixture in a relatively deep pool during crystal growth.

2,045,302
PROCESS FOR CRYSTALLIZING SALTS
Theodore W. Langer, Clarence E. McBride, Russell J. Carlson, Mack Stow, and Frederick B. Clardy, Tulsa, Okla., assignors to Texaco Salt Products Company, New York, N. Y., a corporation of Delaware
Application June 23, 1934, Serial No. 732,014
5 Claims. (Cl. 23—128)



1. The method of producing salt crystals from a salt solution comprising maintaining a heated solution thereof under quiescent conditions until supersaturation occurs, producing precipitation of crystals therein and thereafter removing supersaturation by periodically spraying a film of water over said solution during crystal formation and growth.

2,045,303
PRESSURE COOKER
Lawrence L. Ludington, Muncie, Ind., assignor to Ball Brothers Company, Muncie, Ind., a corporation of Indiana
Application May 23, 1935, Serial No. 23,031
3 Claims. (Cl. 220—57)



1. The combination, with a container having an open mouth provided with a circumferential series of spaced pin pockets, of a cover structure provided with a circumferential series of radially projecting pins, the projected end of each of which is adapted to alternately engage the upper and lower walls of one of said pockets and the cover structure providing a radial guide for each pin with intermediate oppositely disposed fulcrums for the associated pin, a threaded axial post carried by said cover, and a handle structure threaded upon said post, said handle structure comprising a pair of elements between which the inner ends of said pins are projected.

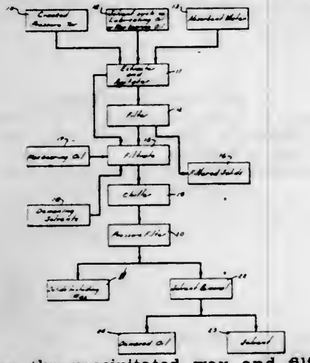
2,045,304
INTERMEDIATES AND DYESTUFFS OF THE ANTHRIMIDE TYPE
Ralph N. Lulek, Milwaukee, and Clarence F. Belcher, South Milwaukee, Wis., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application May 18, 1934, Serial No. 726,292
6 Claims. (Cl. 260—60)

1. A di-alpha, alpha-(anthraquinonyl-aminoanthraquinone)-dicarboxylic acid di-imide.

2,045,305
REMOVAL OF WAX FROM HYDROCARBON OIL
Robert E. Manley, Bernard Y. McCarty, and Howard H. Gross, Beacon, N. Y., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
Application August 22, 1933. Serial No. 686,244
13 Claims. (Cl. 196—19)

7. The method of dewaxing a wax bearing oil, comprising mixing with the oil a concentrated pour point depressant material derived from a recracked pressure tar which is primarily insoluble in the oil but which contains oil soluble pour depressant material, the latter having the property of increasing the rate of filtration of an oil containing wax precipitated in the presence of the pour point depressant material, chilling the mixture to precipitate the wax, and then

filtering in the presence of a filter-aid material



to remove the precipitated wax and filter-aid material from the oil.

2,045,306
LUBRICANTS

Roy F. Nelson, Port Arthur, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

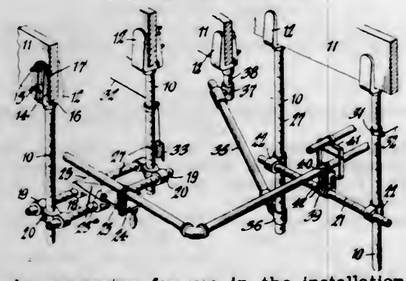
No Drawing. Application August 31, 1933, Serial No. 687,581
5 Claims. (Cl. 87—9)

1. The method for the continuous manufacture of sulfurized hydrocarbon oils, which comprises mixing free sulfur with the oil and passing the resulting mixture through a preheater wherein the mixture is raised to a reaction temperature of about 400°–600° F., transferring the hot products from the preheater to a reaction chamber wherein said products are maintained at a reaction temperature for sufficient time to effect sulfurization of the oil, maintaining a substantial superatmospheric pressure on the products in said reaction chamber, and withdrawing a sulfurized oil from the reaction chamber.

2,045,307
SUPPORTING APPARATUS FOR PIPES AND THE LIKE

Maurice M. O'Connell, Buffalo, N. Y., assignor of one-half to Lillian Lone, Buffalo, N. Y.

Application October 23, 1933, Serial No. 694,764
Renewed November 21, 1935
1 Claim. (Cl. 248—59)

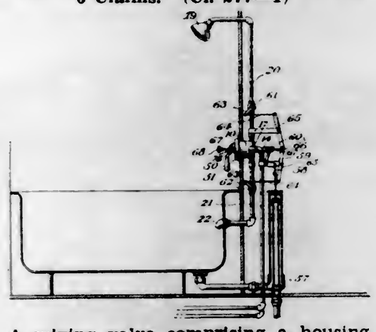


An apparatus for use in the installation of pipe lines in buildings and the like, comprising a plurality of units each consisting of a pair of pendant posts having means at their upper ends for detachably securing them to an overhead support, fittings mounted on said posts and adjustable lengthwise thereof, supporting means disposed between said posts and attached at their ends to said fittings, a platform mounted on said supporting means for adjustment thereon between the posts, and means on said platform for clamping a pipe thereto.

2,045,308
MIXING VALVE

Franklyn J. Wolff, Morrisville, Pa.

Application December 9, 1933, Serial No. 701,691
6 Claims. (Cl. 277—1)



1. A mixing valve comprising a housing defining a mixing chamber and formed with an outlet from said mixing chamber and also formed with cold water and hot water inlets, valves controlling communication between said inlets and said mixing chamber, a cam, an actuating stem for said cam to impart angular or turning movement to the same, the cam being formed with a plurality of rises arranged to successively or simultaneously unseat said valves depending on the amount of angular movement imparted to said actuating stem, and means to limit the amount of angular movement of said cam to prescribed angular distances, said means comprising a peripherally stepped web on the cam and an adjustable abutment for movement into obstructing position with reference to any of said steps.

2,045,309
REBUILT SHOE LAST AND METHOD OF MAKING THE SAME

Louis W. Reinhardt, Brockton, Mass., assignor to George E. Belcher Company, Stoughton, Mass., a corporation of Massachusetts

Application November 24, 1933, Serial No. 699,570
3 Claims. (Cl. 144—309)

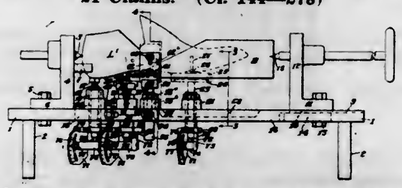


1. As an improvement in the art of re-making used jointed lasts by the substitution of a new fore part portion, that method which consists in severing the undesirable portion of the fore part on a secant plane at substantially the waist line of the old last beginning at substantially the joint line of the underinstep and extending upwardly and forwardly in advance of the cone, and in then forming a substitute fore part block having a like inclined surface, and in attaching the new fore part block to the old last heel and joint portion left by the cutting with the inclined faces in abutting relation, and in turning the fore part to any desired shape to give the re-made last the desired model.

2,045,310
LAST CENTERING DEVICE

Louis W. Reinhardt, Brockton, Mass., assignor to George E. Belcher Company, Stoughton, Mass., a corporation of Massachusetts

Application February 13, 1935, Serial No. 6,395
21 Claims. (Cl. 144—278)

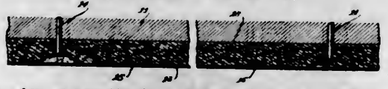


1. In a last centering device, a bed, aligned heel and toe center punches mounted on said bed, a plurality of means mounted on said bed and adapted to be adjusted to the contour of a centered last rearwardly of its waist line, said contour being generally defined by lines diverging from the center of the rear portion of the heel through the outer edge of the front of the heel to the sides of the upper portion substantially over the intersection of the waist line and the last bottom whereby necessary vertical and lateral support is afforded to permit lasts reblocked forwardly of the waist line to be positioned in said device and accurately centered.

2,045,311
ACOUSTICAL WALL COVERING

Carlisle K. Roos, Wheaton, and George D. King, Chicago, Ill., assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application July 20, 1933, Serial No. 681,306
10 Claims. (Cl. 20—4)

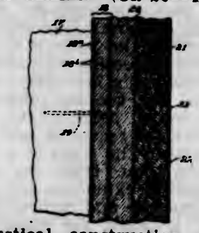


1. An acoustical construction comprising a wall having a normally exposed surface a covering for said surface of compressible, sound-absorbent material, and a flexible membrane substantially impervious to the passage of air extending over the face of said covering and in contact therewith over substantially the entire surface thereof.

2,045,312
ACOUSTICAL WALL COVERING

Carlisle K. Roos, Wheaton, and George D. King, Chicago, Ill., assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application July 20, 1933, Serial No. 681,307
22 Claims. (Cl. 20—4)

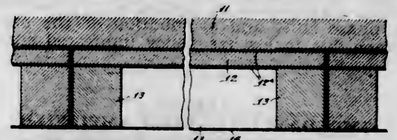


1. An acoustical construction comprising a wall having a normally exposed surface, a covering for said surface of rigid, sound-absorbent material, and a flexible membrane substantially impervious to the passage of air extending over the face of said covering and in contact therewith over substantially the entire surface thereof, but free to vibrate with respect thereto over the principal portion of such surface.

2,045,313
ACOUSTICAL WALL COVERING

Carlisle K. Roos, Wheaton, and George D. King, Chicago, Ill., assignors to United States Gypsum Company, Chicago, Ill., a corporation of Illinois

Application October 4, 1933, Serial No. 692,078
16 Claims. (Cl. 20—4)

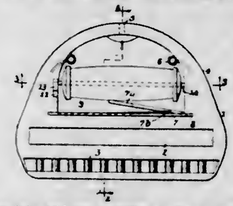


1. An acoustical wall construction comprising a wall facing element of substantially non-sound-absorbent material, a flexible membrane substantially impervious to the passage of air, and means supporting said membrane in forwardly spaced, parallel relation to said wall facing element to provide a confined air space of not substantially less than one inch therebetween.

2,045,314
NARROW WARE SHUTTLE

William J. Sheets, Sr., Bloomingdale, N. J.

Application July 16, 1935, Serial No. 31,545
2 Claims. (Cl. 139—199)



1. The combination,, with a shuttle body having a bow and a block of resilient impressionable material secured to the inside of one leg of the bow, said leg having a portion thereof forming with said block a groove which at one end is open and at the other end is closed and which at one side has near and facing said other end a shoulder, of a spindle removably supported at one end thereof in the other leg of the bow and having its other end in the groove between said shoulder and the closed end of the groove, said shoulder and the opposite side of the groove opposing the free escape of said other end of the spindle toward the open end of the groove.

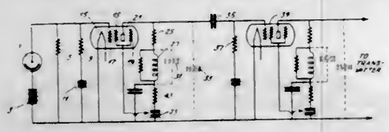
2,045,315
TELEVISION SYSTEM

John Paul Smith, Erlton, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application May 23, 1932, Serial No. 612,913
5 Claims. (Cl. 179—171)

5. An amplifying system comprising a source of input frequency varying arbitrarily from a frequency at least as low as 60 cycles to a frequency

at least as high as 500,000 cycles, an amplifier and resistor in the output circuit of said amplifier and a compensating circuit comprising a parallel combination of two impedance elements only, said impedance elements being a capacity react-



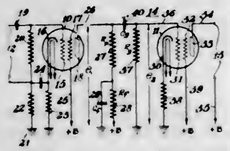
ance and a shunt resistor, said parallel combination being in series with said output resistor, said shunt resistor and said shunt capacity reactance having their values so related as to compensate for phase shift and attenuation of the output voltage due to low frequency impressed energy.

2,045,316

IMPEDANCE COUPLED AMPLIFIER

Arthur C. Stocker, Haddon Heights, N. J., assignor to Radio Corporation of America, a corporation of Delaware

Application April 28, 1934, Serial No. 722,845
6 Claims. (Cl. 179—171)



6. The combination with an audio frequency signal transmission line having a relatively low audio frequency impedance, of amplifier means connected therewith to apply audio frequency signals thereto in a low range of audio frequencies without appreciable distortion, said means including a plurality of amplifier tubes having anodes connected in parallel, an anode output impedance connected with said anodes, an anode filter impedance connected in series with said anode output impedance, a bypass capacitor connected between the junction of said impedances and a cathode return connection, a coupling capacitor connected between the anode and one side of said transmission line, and means providing a cathode return connection for the other side of the line, said anode output impedance and bypass capacitor providing a branch circuit from the anode to the cathode connection, and said coupling capacitor and transmission line impedance providing another branch circuit from the anode to the cathode connection, said branch circuits having such impedance values that the product of the anode output impedance and the capacity of the bypass capacitor equals the product of the transmission line impedance and the capacity of the coupling capacitor.

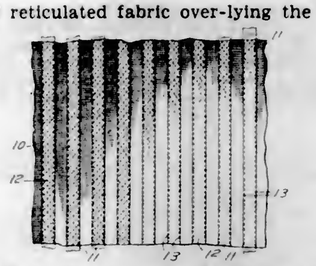
2,045,317

ORNAMENTAL COMPOSITE FABRIC

Sol Sobie, Brooklyn, N. Y., assignor to Joseph D. Tarlowe, Julius W. Sobie, and Louis Kaufman

Application September 21, 1935, Serial No. 41,547
10 Claims. (Cl. 154—46)

7. A laminated composite ornamental fabric consisting of a flexible fabric backing, spaced metallic foil strips on said backing and spaced strips of reticulated fabric over-lying the strips



of metallic foil and secured to the backing through the strips.

2,045,318

SPARK PLUG INSULATOR

Richard Stribeck, Stuttgart, Germany, assignor to Robert Bosch Aktiengesellschaft, Stuttgart, Germany

No Drawing. Application May 9, 1934, Serial No. 724,828. In Germany May 15, 1933
3 Claims. (Cl. 106—12)

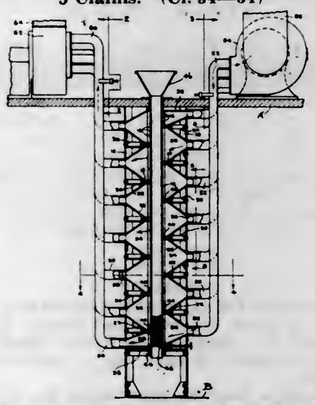
1. A spark plug insulator made from corundum and a ceramic binding medium which becomes plastic at a temperature between 500° and 800° C. comprising steatite, kaolin and feldspar.

2,045,319

APPARATUS AND PROCESS FOR COOLING ROASTED COFFEE, ALMONDS, COCOA BEANS, PEANUTS, ETC.

Lawrence K. Watrous, Shafer, Minn.

Application August 6, 1931, Serial No. 555,431
5 Claims. (Cl. 34—34)



1. The process of cooling roasted coffee, almonds, cocoa beans, peanuts, etc., which consists in placing the material immediately after the roasting thereof in the form of a comparatively thin sheet, and subjecting said sheet to the action of air chilled to a low temperature.

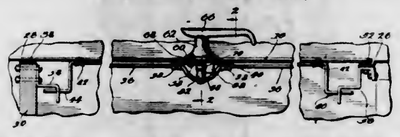
4. Apparatus for cooling roasted coffee, almonds, cocoa beans, peanuts, etc., comprising a screen structure for receiving and confining the roasted material in the form of a comparatively thin sheet as it comes from the roaster, a plurality of chambers extending along one side of said screen structure and connected to a supply of chilled air, a blower for positively forcing a rapid current of air from said supply of chilled air through said chambers and through said sheet, a plurality of chambers extending along the other side of said screen structure in staggered relation to said first-mentioned chambers, and means for applying suction to said second-mentioned chambers.

2,045,320

HOOD CATCH

William R. Wiley, Detroit, Mich., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut

Application August 31, 1931, Serial No. 560,278
4 Claims. (Cl. 292—215)



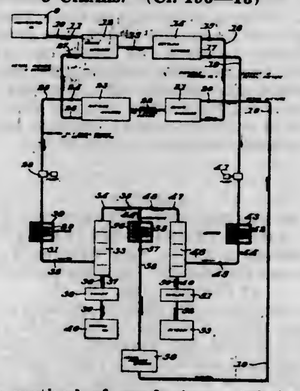
1. A latching device for an automobile hood, adapted to draw the lower edge of a double hinged hood closure downwardly and inwardly in rattle preventing engagement with the opposed portions of the automobile, which includes a rock shaft mounted on the inner face of the closure for rotation about a generally horizontal axis, cranks associated with said rock shaft, abutment members positioned within said closure for engagement with said cranks, and means for rotating said cranks into camming locking engagement with the abutment members, said cranks being adapted, in camming cooperation with said abutment members, automatically to compensate for variations in shape and position of parts affecting the contact between cranks and abutment members, and being adapted, in response to their engagement with the abutment members, to draw the lower edge of the hood closure downwardly and inwardly against the opposed portions of the automobile, said cranks engaging said abutment members at all times, in all normal adjustments, in a slidable relationship.

2,045,321

SOLVENT EXTRACTION OF HYDROCARBON OIL

Louis A. Clarke, Fishkill, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware

Application April 19, 1932, Serial No. 606,110
5 Claims. (Cl. 196—13)



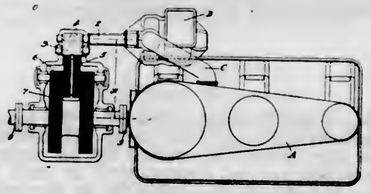
1. The method of producing a lubricating oil of high viscosity index from a lubricating oil fraction containing hydrocarbons of both high and low viscosity index which comprises mixing and agitating the lubricating oil fraction with methyl acetate at about normal room temperature, allowing the mixture to remain undisturbed to effect stratification, drawing off the supernatant layer of treated oil and a relatively small amount of methyl acetate and separating said methyl acetate from the treated oil by distillation.

2,045,322

COMBINED RECIPROCATING AND TURBINE ENGINE INSTALLATION

Stanley Smith Cook, Wallsend-on-Tyne, England, assignor to The Parsons Marine Steam Turbine Company, Limited, Wallsend-on-Tyne, England

Application April 7, 1934, Serial No. 719,487
In Great Britain April 11, 1933
1 Claim. (Cl. 60—21)



A power installation comprising an elastic-fluid reciprocating engine, a turbine receiving exhaust therefrom, said reciprocating engine and said turbine having power shafts arranged parallel to one another, a toothed wheel mounted on said reciprocating engine power shaft, a toothed pinion mounted on said turbine power shaft and intermediate shafts parallel to said power shafts carrying interengaging toothed-wheel units, one of said units being an idler wheel and the other comprising relatively large and relatively small coaxial toothed wheels, one of said units engaging with said toothed wheel on said reciprocating engine power shaft and the other of said units engaging with said toothed pinion on said turbine power shaft, said turbine being arranged alongside said reciprocating engine with a clearance less than the effective diameter of said idler, said toothed wheels being of the double-helical type, said idler wheel engaging with said toothed pinion on said turbine power shaft, and the right- and left-hand parts of said toothed wheel on said reciprocating engine power shaft being spaced apart to engage with the correspondingly spaced-apart right- and left-hand parts of said relatively small toothed wheel, the right- and left-hand parts of said relatively large toothed wheel being axially juxtaposed and disposed intermediately of said spaced-apart toothed wheels.

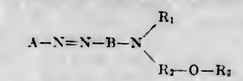
2,045,323

AZO-DYESTUFFS

Friedrich Felix and Wilhelm Huber, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application June 8, 1933, Serial No. 674,966. In Switzerland July 9, 1932
11 Claims. (Cl. 260—96)

1. Azo-dyestuffs of the general formula

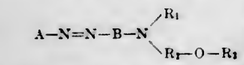


wherein A and B stand for nuclei of the benzene

or naphthalene series, R_1 for hydrogen or an alkyl-group, R_2 for an aliphatic hydrocarbon radical consisting of at least two carbon atoms, and R_3 for an alkyl-group, which products form yellow, orange, brown, red, violet, blue or black powders, dissolve in solvents to yellow, orange, brown, red, violet, blue or black solutions, and dye textiles similar shades.

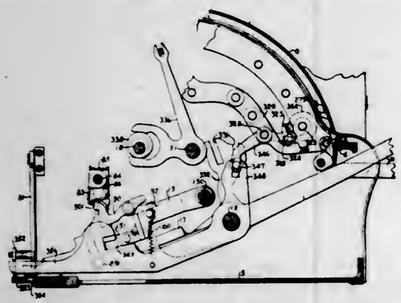
2,045,324
AZO-DYESTUFFS
Friedrich Felix and Wilhelm Huber, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland
No Drawing. Original application June 8, 1933, Serial No. 674,966. Divided and this application July 10, 1935, Serial No. 30,738. In Switzerland July 9, 1932
13 Claims. (Cl. 260—96)

1. Azo-dyestuffs of the general formula



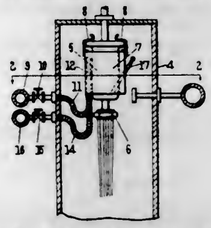
wherein A and B stand for nuclei of the benzene or naphthalene series, R_1 stands for hydrogen or an alkyl-group, R_2 stands for an aliphatic hydrocarbon radical consisting of at least two carbon atoms, and R_3 stands for an acyl-group consisting of at least one and not more than two carbon atoms, which products form yellow, orange, brown, red, violet, blue or black powders, dissolve in solvents to yellow, orange, brown, red, violet, blue or black solutions, and dye textiles similar shades.

2,045,325
CASH REGISTER
Charles W. Green, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio, a corporation of Maryland
Original application October 20, 1925, Serial No. 63,695. Divided and this application January 14, 1933, Serial No. 651,775
3 Claims. (Cl. 235—6)



1. In a machine of the class described, a plurality of amount keys, a clerk's key, means common to said amount keys and clerk's key and operated thereby, a special counter, a connection from said common operated means to the counter for operating said counter when merely a clerk's key is operated, and a blocking means between said amount keys and the counter operating connection for disabling said counter operating connection when an amount key is operated.

2,045,326
MANUFACTURE OF ARTIFICIAL FILAMENTS AND SIMILAR MATERIALS
Edward Kinsella, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application February 27, 1933, Serial No. 658,781
In Great Britain March 12, 1932
3 Claims. (Cl. 18—8)



1. In apparatus for the manufacture of artificial filaments and similar materials by dry spinning processes, means for attemperating the spinning solution comprising in combination a filter body through which the spinning solution passes immediately prior to extrusion, and a hollow member adapted to surround at least in part the filter body, means for removably securing said member about the filter body, a pipe for supplying an attemperating fluid to the hollow member, and a pipe for removing said fluid after circulation through the member, said pipes being flexible to permit of removal of the member from about the filter body without interrupting the circulation of the attemperating fluid.

2,045,327
METHOD OF MAKING CLAMPS
Charles A. Laemmel, Brooklyn, N. Y., assignor to Atlantic Service Company, Inc., Brooklyn, N. Y., a corporation of New York
Application October 15, 1934, Serial No. 748,407
2 Claims. (Cl. 29—148)

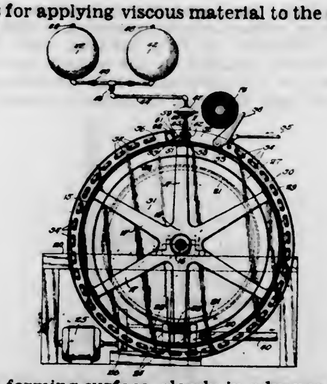


2. A method of forming clamps and the like from bar stock which includes forging a bridge and two oppositely located wings, forcing metal from the bridge to form lugs at the extremities of the bridge and in a plane to one side of the plane of the wings, bending the wings towards each other to form a resultant circular split hub adapted to receive a detachable key, the lugs forming spacing means between the wings so that the latter will be in parallel spaced alignment and finally drilling aligned openings in said wings.

2,045,328
ART OF PRODUCING CONTINUOUS FILM FROM PLASTIC MATERIAL
Harold A. Levey, New Orleans, La.
Application October 23, 1931, Serial No. 570,727
12 Claims. (Cl. 18—15)

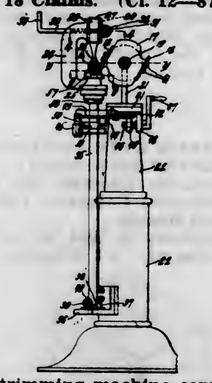
1. In a device of the class described, a movable continuous smooth surface adapted to receive a coating of viscous film-forming material, means for moving said surface in a predetermined path of movement, a film forming blade associated with the said surface, said blade being inclined at an angle of from 25 to 30° relative to the said forming surface in a direction opposite the direction of movement of said forming surface, and

means for applying viscous material to the surface



of said forming surface, closely in advance of said film-forming blade.

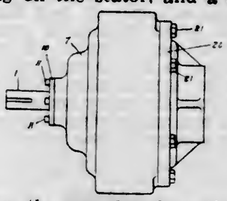
2,045,329
HEEL TRIMMING MACHINE
Harry Lyon, Brockton, Mass., assignor to Heel Finisher, Inc., Boston, Mass., a corporation of Massachusetts
Application August 1, 1933, Serial No. 683,151
18 Claims. (Cl. 12—87)



1. A heel trimming machine comprising a rotatable cutter, a carrier adapted to grip and hold a heel with the axis thereof tangent to a circumference concentric with the cutter axis and with its seating end displaced from a plane including the axis of the cutter and perpendicular to the heel axis in the direction travelled by the cutting edge after crossing such plane, said carrier being mounted with provision for rotation about the heel axis and for displacement bodily in directions both lengthwise of and transverse to such axis, guiding means for causing the carrier to approach and recede from the cutter in the course of its rotation, in such measure as to cause the heel to be generated with a prescribed outline, and means for displacing the carrier axially in the course of such rotation.

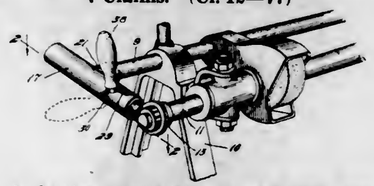
2,045,330
RADIAL PLUNGER PUMP
Howard F. MacMillin, Mount Gilead, Ohio, assignor, by mesne assignments, to The Hydraulic Press Corporation, Inc., Wilmington, Del., a corporation of Delaware
Application February 1, 1933, Serial No. 654,691
4 Claims. (Cl. 103—161)

1. In a pump, the combination of a rotor, means for driving the rotor, said rotor having oppositely-disposed cylinders, a separate piston in each cylinder, each piston having a reduced portion at one end, an eccentric stator, a square crosshead on said stator engaging said pistons while rotating on the stator, and a shoe inter-



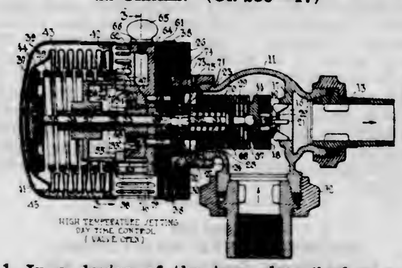
posed between the unreduced portions of said pistons and the surface of said square crosshead and arranged to interconnect said oppositely-disposed separate pistons, the reduced portions of the pistons engaging the crosshead block and the unreduced portions abutting the shoe.

2,045,331
FINISHING MACHINE
Rocco Monforte, Saylesville, R. I.
Application June 12, 1935, Serial No. 26,123
7 Claims. (Cl. 12—77)



1. A heater comprising a friction element adapted for engagement with a moving tool, a casing for said element provided with a transversely curved slot, said element being arranged to spirally slide in the casing, yielding means tending to cause said element to advance into contact with the tool, and means controlled by said slot for imparting a spiral movement to said element during its advance.

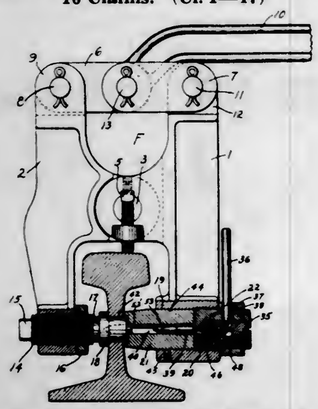
2,045,332
TEMPERATURE REGULATOR
Carl A. Otto, Milwaukee, Wis., assignor to Johnson Service Company, Milwaukee, Wis., a corporation of Wisconsin
Application July 13, 1933, Serial No. 680,300
22 Claims. (Cl. 236—47)



1. In a device of the type described, a valve casing; a valve in said casing; a thermally responsive motor operatively connected to said valve for actuation thereof in response to temperature changes, said valve being adapted for closing movement upon an increase in temperature; spring means tending to open the valve; manual

means for closing the valve in opposition to the spring means; and additional spring means interposed between the valve and the manual means and adapted to be partially compressed upon operation of the manual means to close the valve yieldably, the strength of said first-mentioned spring means being such as to permit the combined power of the additional spring means and vapor pressure in the thermal motor to maintain the valve in manually closed position, but sufficient to open the valve against the resistance of the additional spring means upon a reduction in the vapor pressure in the motor.

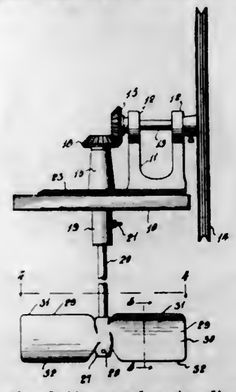
2,045,333
APPARATUS FOR BONDING RAILS
Pliny P. Pipes, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application June 27, 1934, Serial No. 732,701
16 Claims. (Cl. 1—47)



1. A bonding device for holding and expanding a bond terminal in a rail comprising a frame having two spaced members hinged together between their ends, toggle levers pivoted to the members at one end thereof by means of which the free ends of the members may be moved either towards or away from each other, means to manually operate the toggle levers, means mounted on the free end of one member to engage with the bond terminal and adjustable towards and away from the free end of the other member, the said free end of the other member having a bore, an apertured barrel slidably mounted in said bore, means to releasably hold said barrel in a predetermined position in said bore and permit the barrel to move to another predetermined position in said bore when the device is mounted on a rail and the toggle levers move the free ends towards each other, the aperture of said barrel arranged to receive and hold a projectile and charge of explosive, and means to fire the explosive charge to drive the projectile into said bond terminal.

2,045,334
CHURN DASHER MECHANISM
David Henry Renegar, Florence, Ala.
Application October 3, 1935, Serial No. 43,400
1 Claim. (Cl. 259—135)

In a churn dasher, a base plate, a pedestal on the base plate having spaced apart upwardly extending bearing arms, a shaft journaled in said arms, a drive wheel on one end of said shaft, said base having an upwardly extending bearing member, a vertical shaft journaled in the latter bearing member, gearing between said shafts, and a socket member on the second mentioned shaft to hold a dasher, said socket member being inset into said base and intimately engaged and



braced by the latter and extending a distance below the base whereby it will pass through a top or lid of a churn, said pedestal bearing arms and bearing member being integral with the base plate, and that portion of the first mentioned shaft between the spaced parts of the pedestal constituting a handle.

2,045,335
TANNIN BRIQUETTE CONTAINING A RETARDING AGENT
Albert H. Reynolds, Chicago, Ill., assignor to Dearborn Chemical Company, Chicago, Ill., a corporation of Illinois
Application January 22, 1934, Serial No. 707,796
7 Claims. (Cl. 210—23)

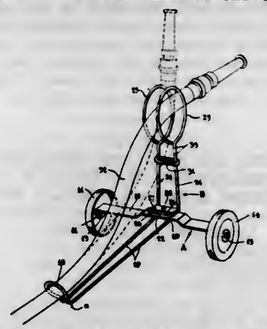


1. A briquette for the treatment of boiler water containing as its essential ingredients a predominating quantity of a tannin extract and a material to slow up the dissolution of the briquette in the water, said material being the reaction product of a mixture of a tannin compound and an alkaline earth compound, the alkaline earth compound forming between one-fourth of one per cent and about five per cent (5%) of the mixture.

2,045,336
HOSE HOLDING STAND
Joseph A. Skoglund, St. Paul, Minn., assignor to Constance Cronhardt, St. Paul, Minn.
Application May 19, 1934, Serial No. 726,502
8 Claims. (Cl. 248—80)

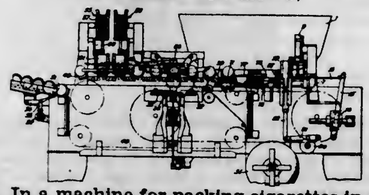
8. In a device of the character described, a support, a trail secured thereto and having an upstanding eye at its free extremity, a holder mounted on said support and comprising upstanding resilient legs terminating in facing ring-jaws, said legs being adapted normally to

spring apart to admit of the ready insertion between them of a hose inserted through the eye



of the trail, and means slidable on said legs and acting to flex them toward each other to clamp said ring-jaws against the hose.

2,045,337
PACKING MACHINE
Albert Alexander Stone and Russell Clarkson, Deptford, London, England
Application August 16, 1934, Serial No. 740,182
In Great Britain August 23, 1933
14 Claims. (Cl. 226—5)



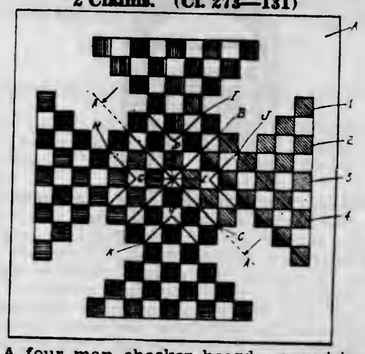
1. In a machine for packing cigarettes in rigid, block ended containers of generally curvilinear transverse contour, the combination with means for feeding a batch of cigarettes, of devices receiving said batch from said means for forming the batch to conform generally in transverse section to the transverse contour of the container and for simultaneously applying a wrapper to said batch, said devices including at least two elements engaging the sides of the batch and relatively displaceable toward each other, means for agitating the batch during such formation, means for supporting a container with the open end thereof directed toward the formed batch, and means for effecting relative displacement of the container and batch to insert the formed batch lengthwise into the container.

2,045,338
STRETCHING MECHANISM FOR STRETCHING TEXTILE FIBERS FOR MULES, RING SPINNING, AND STRETCHING MACHINES
Arnold Aeberli, Zurich, Switzerland
Application December 22, 1933, Serial No. 703,612
In Switzerland January 2, 1933
6 Claims. (Cl. 19—130)



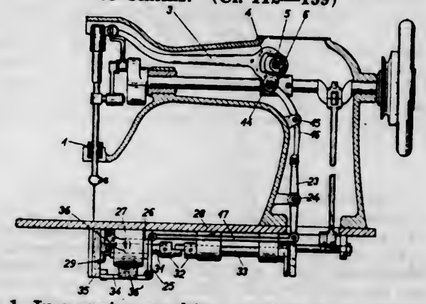
1. Stretching mechanism for stretching textile fibers for mules, ring spinning and stretching machines, comprising in combination two side plates having recesses formed therein constituting sockets, a transverse frame rigidly connecting said side plates, two stretching cylinders, and a clearer cylinder journaled in said side plates, a driving element adapted to rotate said stretching cylinders, journals one on each end of each of said stretching cylinders journalled in the sockets of said side plates and one of said journals being axially shiftable, a tapered neck on each end of each of said stretching cylinders tapering towards its coordinate journal and providing clearance between the cylinders and the inner faces of the side plates, the sockets for accommodating said stretching cylinders having restricted mouths opening through the lower edges of the side plates, and resilient means adapted to maintain said axially shiftable journal in operative position.

2,045,339
DRAUGHTBOARD OR CHECKERBOARD
Edward Joseph Boland, Cleveland, Ohio
Application June 21, 1934, Serial No. 731,666
2 Claims. (Cl. 273—131)



1. A four man checker board, comprising, an inner cross shaped area having four arms, the said area being divided into a plurality of alternate checkered subdivisions, each arm of the cross containing three spaces and two non-playing spaces, four trapezoidal areas each containing a plurality of alternate checkered subdivisions joined to the arms of the cross, two of the playing spaces in each trapezoidal area adjoining the two non-playing spaces in the arms of the cross, and playing pieces for playing the game.

2,045,340
ZIGZAG STITCHING MACHINE
Wilhelm Bölter, Bielefeld, Germany, assignor to Anker-Werke, A. G., Bielefeld, Germany
Application November 22, 1934, Serial No. 754,301
In Germany November 23, 1933
23 Claims. (Cl. 112—159)



1. In a sewing machine, particularly for household use, a zigzag stitch forming mechanism

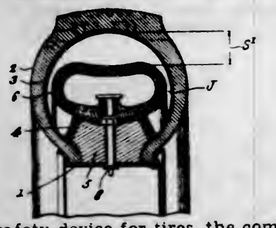
comprising a shuttle housing mounted for oscillatory movement about a horizontal axis perpendicular to the longitudinal axis of the machine, a shuttle in said housing, means to impart an oscillatory movement to said shuttle, a needle bar, a rod for oscillating said needle bar transversely of its axis, and driving means for actuating said rod and for imparting an oscillating movement to said housing concomitantly with the movement of said needle bar.

2,045,341

SAFETY DEVICE FOR TIRES

Pierre Marcel Bourdon, Paris, France, assignor to Michelin et Cie, Clermont-Ferrand, France, a corporation of France

Application April 27, 1934, Serial No. 722,800
In France May 10, 1933
4 Claims. (Cl. 152—22)



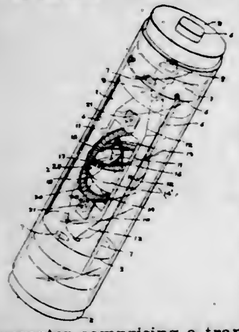
4. In a safety device for tires, the combination of a rim having a casing mounted thereon, an annular support on the rim within the casing, a reinforced air tube mounted on the support within the casing, an inner tube enclosing the air tube about the unsupported sides of the air tube, said air tube having an inherent stiffness for maintaining the same and the inner tube prior to inflation in contact with the tread portion of the casing, and independent valve means for the inner tube and for said air tube, whereby the tubes may be inflated, the inner tube being inflated so as to deform the air tube and place a body of air between the air tube and the casing.

2,045,342

CLINOMETER FOR SURVEYING DIAMOND DRILL HOLES

Adolph Carlson, South Porcupine, Ontario, Canada

Application November 7, 1934, Serial No. 751,831
4 Claims. (Cl. 33—205)



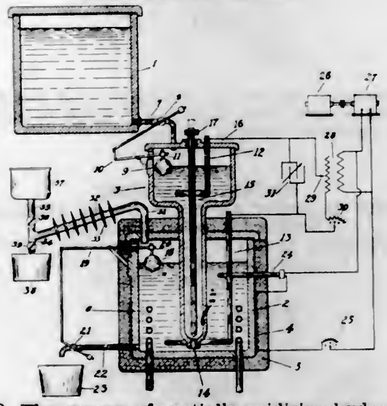
1. A clinometer comprising a transparent tube sealed at the ends, a cage enclosed within said transparent tube and having fixed ends, bearings mounted in said cage ends, a frame pivoted between said bearings, a pendant weighted member journalled between the sides of said frame and capable of swinging a complete revolution about its pivot axis, a compass mounted on the top of said pendant member, a circular scale mounted in said frame and indicatively co-operative with said pendant member at any point in the complete revolution thereof, and a congealable transparent fluid filling said tube around the movable members mounted therein.

2,045,343

PROCESS OF AND APPARATUS FOR TREATING MATERIALS

William A. Darrah, Chicago, Ill.

Application June 20, 1930, Serial No. 462,522
12 Claims. (Cl. 204—31)



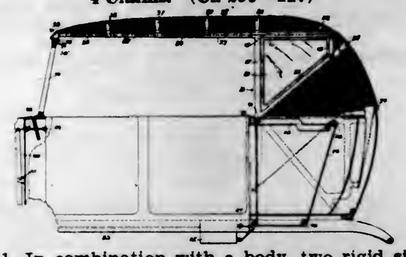
3. The process of partially oxidizing hydrocarbons while suspended in an electrolyte which consists in passing said liquid at a controlled rate consecutively through a restricted passage, causing an alternating electric current of relatively high density to produce an arc in said liquid material in a coherent liquid phase, while in said passage, thereby strongly heating said liquid and having a portion of said electrically conducting liquid for terminals and finally removing said treated material at a controlled rate, thus determining the product formed.

2,045,344

AUTOMOBILE TOP AND OPERATING MEANS THEREFOR

Emery Deutsch, Richmond Hill, and Eugene Werner, New York, N. Y., assignors, by direct and mesne assignments, of twenty-two and one-half per cent to Arnold Deutsch, Richmond Hill, N. Y., twenty-two and one-half per cent to Louis Werner, and ten per cent to Maurice Brown, both of New York, N. Y.

Application March 14, 1932, Serial No. 598,814
4 Claims. (Cl. 296—117)



1. In combination with a body, two rigid side frames pivoted one to each side of the body and

forming enclosing frames for rear quarter windows, telescopic members which telescope with each other and with the side frames, bows secured to the telescopic members and to the side frames, means for moving the telescopic members relatively to each other and to the side frames, and means for moving the side frames on their pivots.

2,045,345

MANUFACTURE OF CELLULOSE PRODUCTS

Henry Dreyfus, London, England

No Drawing. Application September 19, 1931, Serial No. 563,906. In Great Britain September 24, 1930
1 Claim. (Cl. 260—10)

Process for the manufacture of cellulose that is capable of being employed for making cellulose derivatives, comprising treating lignocellulosic material to remove resinous material, then treating with excess alkali solution, then treating the product so obtained with carbon disulphide to form the xanthate, removing lignin and other insoluble matter from the solution formed, and regenerating cellulose from the solution, whereby cellulose of sufficient purity to be employed for making cellulose derivatives is produced.

2,045,346

MANUFACTURE OF ARTIFICIAL SILK AND OTHER ARTIFICIAL PRODUCTS

Henry Dreyfus, London, and William Ivan Taylor, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware

No Drawing. Application July 1, 1932, Serial No. 620,548. In Great Britain August 19, 1931
13 Claims. (Cl. 18—54)

1. Process for the production of solid artificial filaments, threads and the like of improved bulbous cross-section, which comprises forming a solution of an organic derivative of cellulose in a solvent mixture comprising a liquid medium which is a solvent for the organic derivative of cellulose and a smaller proportion of a more volatile non-solvent for the organic derivative of cellulose, and extruding said solution through suitable orifices into an evaporative atmosphere.

2,045,347

PRODUCTION OF THREADS AND THE LIKE

Henry Dreyfus, London, England

No Drawing. Application October 17, 1932, Serial No. 638,177. In Great Britain November 2, 1931
12 Claims. (Cl. 18—54)

1. In a process for the production of artificial filaments, yarns, bristles, straw, ribbons and the like, which comprises spinning into a setting medium a solution containing as sole cellulose ester an organic ester of cellulose of relatively low degree of esterification, the step of forming said solution by dissolving said organic ester of cellulose in a solvent mixture containing a substance selected from the group consisting of acetone and methyl ethyl ketone, and an alcohol.

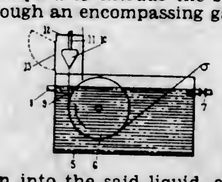
2,045,348

MANUFACTURE OF FILMS, FOILS, AND THE LIKE CONTAINING CELLULOSE DERIVATIVES

Henry Dreyfus, London, England

Application August 25, 1933, Serial No. 686,739
In Great Britain September 9, 1932
9 Claims. (Cl. 18—15)

1. Apparatus for the manufacture of films, comprising a vessel for coagulating liquid, means for circulating coagulating liquid through such vessel and for maintaining a constant level of coagulating liquid therein, a device having a slot formed therein for shaping the film-forming solution disposed above the level of liquid in said vessel and adapted to extrude the shaped material first through an encompassing gaseous medi-



um and then into the said liquid, a casing surrounding the shaping device and extending from such device to the surface of the coagulating liquid adapted substantially to isolate the said encompassing gaseous medium from the surrounding atmosphere, and means for introducing the vapor of a liquid into the interior of such casing.

2,045,349

REENFORCED HYDRATED CELLULOSE CONTAINER

Leo A. Goodman, Brooklyn, N. Y., assignor, by direct and mesne assignments, to Visking Corporation, Chicago, Ill., a corporation of Virginia

No Drawing. Application February 4, 1931, Serial No. 513,352
17 Claims. (Cl. 91—68)

13. The method of preparing a thin sheet of material suitable for use as casings which comprises treating long-fibered cellulose material with viscose to homogeneously impregnate and cover the same and regenerating cellulose from the viscose to provide a regenerated cellulose sheet having an intermediary reenforcing structure of fibers.

2,045,350

METHOD OF REDUCING THE SHRINKAGE OF WOOD

Harold H. Griffin, Ridgewood, and Alfred Burgeni, East Orange, N. J., assignors to Wallwood Corporation, New York, N. Y., a corporation of New York

No Drawing. Application January 8, 1936, Serial No. 58,218
10 Claims. (Cl. 91—68)

1. The method of reducing the shrinkage of wood which comprises the successive steps of substantially removing the non-cellulosic substances from the wood, as by an alkali treatment or the like, while preserving the natural structure of the wood, treating with glycerol or a like non-volatile impregnator carried by a relatively volatile vehicle, and then drying to drive off said vehicle, the amount of said impregnator being sufficient to substantially saturate the wood fibers at a selected relative humidity, and after said drying operation leaving the cell cavities of the wood substantially free of the impregnator.

2,045,351

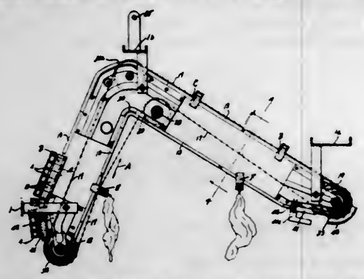
LAUNDRY ASSORTING MECHANISM

Angus F. Hanney, Norwood, Ohio, assignor to American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio

Application November 3, 1932, Serial No. 641,109
12 Claims. (Cl. 209—123)

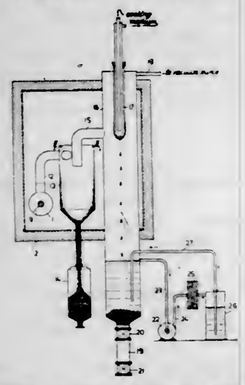
1. Mechanism of the class described, comprising a plurality of track members diverging from

an assorting station toward a delivery station, a series of carriers for each of said track members, each track member having advance and return portions connected in a continuous path each por-



tion of which extends from station to station, means for causing travel of said carriers along said track portions, and holding means for said carriers in advance of each station.

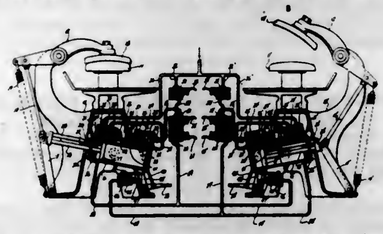
2,045,352
PROCESS FOR PRODUCING SUBSTANTIALLY PURE MAGNESIUM
Fritz Hansgirg, Radenthein, Austria, assignor to American Magnesium Metals Corporation, Pittsburgh, Pa., a corporation of Delaware
Application April 25, 1934, Serial No. 722,278
In Austria May 30, 1933
6 Claims. (Cl. 75—17)



1. A process of separating substantially pure magnesium from non-volatile concomitant substances which comprises vaporizing the magnesium, condensing the vapor into the form of a liquid deposit, and causing the liquid condensate to drop into hydrocarbon oil, and thereby producing globules of substantially pure magnesium.

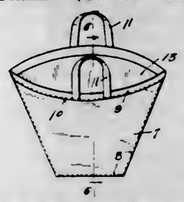
2,045,353
TANDEM CONTROL FOR PRESSES
Angus F. Hanney, Norwood, Ohio, assignor to The American Laundry Machinery Company, Norwood, Ohio, a corporation of Ohio
Application April 5, 1935, Serial No. 14,785
9 Claims. (Cl. 68—9)

1. Two independently operable presses arranged for tandem operation by a single operator, each press having a pair of coacting relatively movable pressing members, power means at each press for relatively moving said members for a pressing operation, each of said power means being arranged to compress fluid during its press-operating motion, a fluid actuated device at each press for causing operation there-



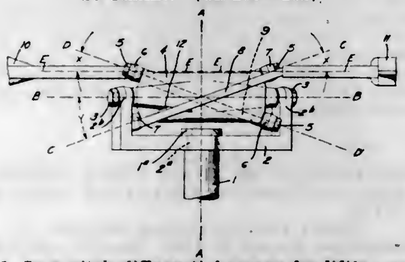
of, and means for conducting said fluid compressed at one press to said device at the other press, whereby operation of one press causes simultaneous operation of the other press.

2,045,354
CONTAINER AND LIQUID-TIGHT LINER THEREFOR
Glenn V. Haven, Minneapolis, Minn.
Application May 4, 1935, Serial No. 19,809
1 Claim. (Cl. 150—48)



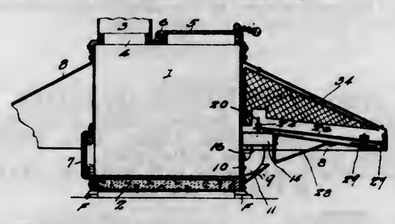
As a new article of manufacture, a container comprising two side pieces cut from fabric, placed the one upon the other and fastened together at their edge portions except at the top thereof, by means of flat seams, a loop-like handle attached to each side piece at the upper edge portion thereof, and a removable liquid tight liner for the container formed by folding a single piece of paper, said liner being held folded by the container with freedom for like opening and closing movements therewith.

2,045,355
PITCH DIFFERENTIAL MEANS FOR LIFTING PROPELLERS
Russell R. Hays, Encinitas, Calif.
Application April 27, 1935, Serial No. 18,648
20 Claims. (Cl. 170—162)



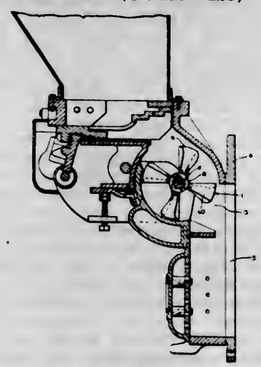
1. In a pitch differential means for lifting propellers, a main bracket member provided with a main horizontal axis and axes at acute angles thereto.

2,045,356
BROODER STOVE
John R. Heatwole, Winchester, Va., assignor to Snapp Foundry Inc., Winchester, Va.
Application July 23, 1935, Serial No. 32,790
4 Claims. (Cl. 236—6)



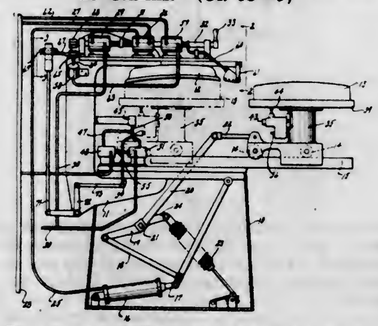
1. The combination with a stove having a draft inlet port and an inlet pipe connected therewith having a valve-seat, of a control drum enclosing the valve seat and having air inlet ports, a valve located within the drum between the valve seat and the inlet ports, a valve stem reciprocable in the drum and supporting said valve, and a thermostatic control device adapted to reciprocate said stem and valve for controlling the opening of the inlet ports, and said valve adapted to close the valve seat upon failure of the thermostatic control device to function.

2,045,357
FUEL DISTRIBUTING MEANS FOR STOKERS
Jerome A. Hoffman, Detroit, Mich., assignor to Hoffman Combustion Engineering Company, Detroit, Mich., a corporation of Michigan
Application July 17, 1934, Serial No. 735,682
3 Claims. (Cl. 198—128)



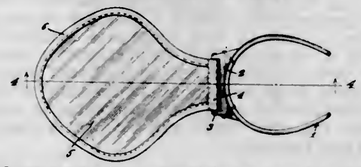
1. A fuel distributing element for stokers comprising a hub, and an annular series of outwardly extending screw-shaped fuel distributing blades formed integral with the hub and having right and left hand spiral or convolute slopes alternating throughout the series, said blades presenting front fuel engaging faces and straight parallel side edges extending from the hub to the outer ends of the blades, the blades being provided with radially arranged edges projecting beyond the ends of the hub and arranged in close proximity thereto and spaced slightly therefrom, whereby the hubs of adjacent distributing elements may be arranged in abutting relation with the projecting radial edges of the blades in overlapping relation from the inner ends of the blades to the outer ends of the same.

2,045,358
PRESSING MACHINE
George W. Johnson, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Norwood, Cincinnati, Ohio, a corporation of Ohio
Application October 17, 1933, Serial No. 693,957
16 Claims. (Cl. 68—9)



1. In a press of the class described, a pair of coacting pressing members, a carriage supporting one of the members for movement into and out of registration with the other member, fluid pressure means on the carriage for producing relative pressing approach of said members, means for moving the carriage to register the members, and means controlled by said carriage as it moves said one pressing member into registering position for controlling the fluid pressure means.

2,045,359
DRESS PROTECTOR
Robert E. Katz and William S. Kline, Atlanta, Ga.
Application May 20, 1935, Serial No. 22,459
Renewed May 21, 1936
1 Claim. (Cl. 2—174)

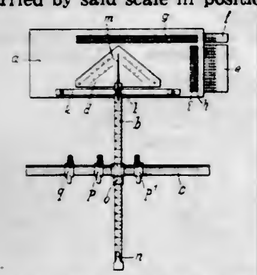


A dress protector comprising a panel including spaced walls, a binder connecting said walls with portions of the latter free to admit superimposed cleansing tissues, one of said walls having an opening to expose an outermost tissue of the superimposed tissues and permit removal of the outermost tissue from the panel when once used, and means for connecting the panel to a person's neck for movement in an upward or downward direction.

2,045,360
ARRANGEMENT FOR THE REGULAR FORMATION OF CHARACTERS
Johanna Kaufmann, Mulheim-on-the-Ruhr, Germany, assignor to Irene Strauss, Mulheim-on-the-Ruhr, Germany, and Ludwig Frankenberg, Dusseldorf, Germany
Application August 24, 1935, Serial No. 37,766
In Germany February 14, 1934
4 Claims. (Cl. 33—32)

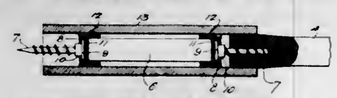
1. In an arrangement for the regular formation of characters, taking particular account of the

spacing of all characters, sizes and styles, comprising a head board, a protractor carried thereon, a graduated scale pivotally mounted on said head board and extending beyond one edge thereof, a pointer carried by said scale in position to indi-



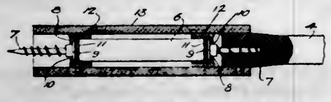
cate on said protractor the angular position of the scale, a slide bar slidable longitudinally of the graduated scale and provided with two scales, and pencil holders adjustable longitudinally of said bar.

2,045,361
PROTECTIVE SLEEVE FOR RESISTOR CONNECTER DEVICE
Anthon A. Leonard, Glenside, Pa., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 13, 1932, Serial No. 586,389
5 Claims. (Cl. 201—63)



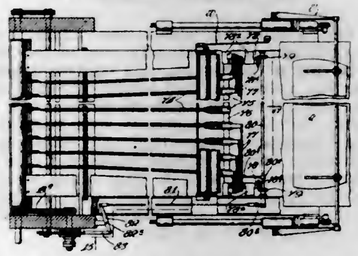
1. A resistance device comprising an impervious tube of non-conducting material, a resistance element in said tube, an insulated conductor fitted into an end of said tube, metal terminals carried by the tube and in electrical contact with the respective ends of said element, one of said terminals comprising a member recessed to receive an end of said resistance element and having a tapering axial projection for engagement with the conducting core of said insulated conductor fitted into an end of the tube, whereby the insulation of said conductor may be wedged against the tube inner wall to form a moisture proof seal therewith.

2,045,362
RESISTOR CONNECTER DEVICE
John M. Bowman, Philadelphia, Pa., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa., a corporation of Pennsylvania
Application January 13, 1932, Serial No. 586,396
3 Claims. (Cl. 201—63)



1. A resistance device comprising a tube or sleeve of insulating material, an electrical resistance element within said tube, a screw within an end of said tube extending axially from an end of said resistance element, said screw having a flanged head adjacent the said end of said element, a retainer member securely engaging said screw head, and means securing said retainer member within said tube to hold the said screw within the tube end in electrical association with the end of said resistance element, said screw being adapted to be forced into the core of an insulated conductor inserted in the end of said tube to simultaneously electrically connect said resistance element with the conductor core and expand the end portion of the conductor insulation against the inner wall of the tube.

2,045,363
UPHOLSTERY MAKING APPARATUS
Allister S. Mitchell, Detroit, Mich., assignor to National Automotive Fibres, Inc., Detroit, Mich., a corporation of Delaware
Application November 25, 1932, Serial No. 644,357
37 Claims. (Cl. 112—2)



5. In a machine of the character set forth: a main frame provided with a bed; a series of ridge-chains mounted on said bed, said ridge-chains being equipped with fabric-engaging pins; means adapted to hold initially the advance margin of a fabric above said ridge-chains; mechanism for placing a pre-cut fabric on the fabric-holding means; and presser-means adapted to press the fabric into engagement with said pins comprising a rock-shaft having arms, a presser-roll journaled in said arms, and means actuated by the fabric-placing mechanism for lifting said presser-roll from engagement with said fabric.

7. In a machine of the character set forth: a main frame provided with a bed; means for gathering and forming a cover-fabric into raised seam-portions and intervening pleat-fullnesses comprising a series of endless forwardly convergent spaced conveyor-members adapted to engage the seam-portions of said fabric at its initially encountered ends and carry the engaged portions along convergent lines, thereby effecting pleating of the fabric; and means for changing the angle of convergence of the conveyor-members as they advance said fabric.

26. In the manufacture of upholstery, the steps which comprise: positively engaging a fabric at a plurality of transversely spaced points corresponding with seam-portions and carrying said engaged points forwardly and into closer relation to provide the fabric with such seam-portions and intervening pleat-fullnesses; bringing a second fabric into engagement with the first fabric while said points of the first fabric remain positively engaged; and sewing said fabrics together at their seam-portions as they are advanced.

2,045,364
ELECTRIC STOP MOTION FOR LOOMS
George V. Morin, Pawtucket, R. I.
Application December 20, 1935, Serial No. 55,475
6 Claims. (Cl. 139—355)

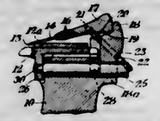
1. Means for operating a warp stop motion for looms, comprising a heddle bar and associated heddle wire and said heddle bar being construct-

ed and arranged for closing an electrical circuit by distortion of the heddle wire, the heddle bar including a rigid contact strip and a resilient contact strip normally spaced from the rigid contact strip and cushion blocks interposed between



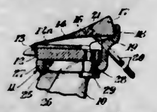
the contact strips and constituting a support for the resilient contact strip for holding the contact strips in inoperative separated positions and adapted to be compressed by movement of the resilient contact strip towards the rigid contact strip for the closing of the circuit.

2,045,365
SELF-SHARPENING SAFETY RAZOR
Thomas J. Pilliod and Ferdinand C. Müller, Swanton, Ohio, assignors to De Haven Razor Corporation, a corporation of Delaware
Application June 20, 1933, Serial No. 676,627
4 Claims. (Cl. 30—36)



1. A safety razor comprising a handle, a head having a seat for a razor blade, a combined guard and hone plate, and a slide mounted in said head parallel to and supporting said plates, said slide comprising a cylindrical guide.

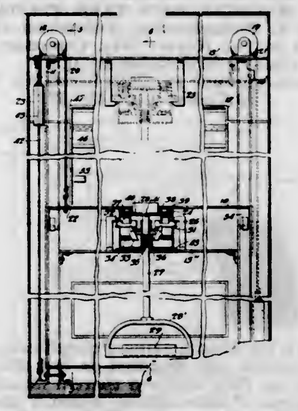
2,045,366
SELF-SHARPENING SAFETY RAZOR
Thomas J. Pilliod and Ferdinand C. Müller, Swanton, Ohio, assignors to De Haven Razor Corporation, a corporation of Delaware
Application June 20, 1933, Serial No. 676,628
11 Claims. (Cl. 30—36)



1. A safety razor comprising a handle, a head, a plate on said head, a combined guard and hone plate slidably mounted upon said head plate, said head plate having slots therein, and said guard having pins secured thereto and engaging said slots.

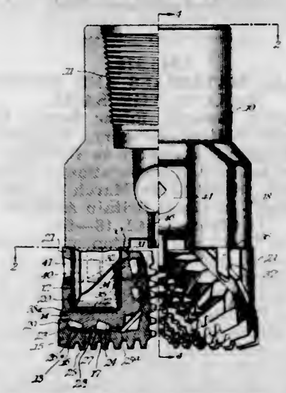
2,045,367
FIREPROOF DOOR
Vernon C. Porter, New York, N. Y.
Application July 30, 1932, Serial No. 626,931
6 Claims. (Cl. 20—36)

1. A door swingably mounted for movement to opened and closed positions having an opening through its middle portion and provided with hollow side stiles, a closure member slidably carried by the door to be moved to positions to close the opening and to clear the opening, swingable louvres carried by the door over the opening and adjustable to opened and closed positions, wheels mounted within the hollow side stiles of the door, cable members attached to said sliding member led over said wheels, weights attached to said cables to exert force to normally move said sliding member to a position to close the opening, and means to swing and open and close said louvres



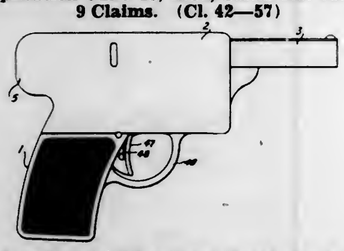
when the sliding member is moved to the opened and the closed positions.

2,045,368
EARTH BORING DRILL
Earl A. Reed, Garber, Okla.
Application May 18, 1934, Serial No. 726,383
16 Claims. (Cl. 255—71)



1. In a device of the character described, the combination with a drill head having a vertically disposed cutter supporting spindle with a frusto-conical surface at its lower end, of a bearing member having substantially frusto-conical external and internal surfaces, the latter surface being adapted to engage the frusto-conical surface of said spindle, a roller cutter having substantially frusto-conical bearing surfaces, said bearing member having a plurality of raceways formed in the external surface thereof and said roller cutter having a plurality of complemental raceways in the internal surface thereof, anti-friction rollers disposed within said complemental raceways for preventing longitudinal movement of said bearing member and said roller cutter relative to each other and providing for relative rotation with respect to each other, means carried by said bearing member and embracing said spindle for locking said bearing member and spindle against relative rotation, and means to lock said bearing member and spindle in assembled relation.

2,045,369
MACHINE GUN TYPE PISTOL
Robert J. Rickenbacher, Columbus, Ohio, assignor to The Kilgore Mfg. Company, Westerville, Ohio, a corporation of Ohio
Application June 18, 1934, Serial No. 731,044
9 Claims. (Cl. 42—57)

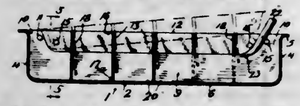


1. In a toy pistol having a closed casing with a single narrow slot disposed at one side thereof and having fully enclosed therein means to support a strip of ammunition, hammer means, and means cooperating with said support means and hammer means to move said strip into the zone of operation of said hammer means, cooperate with said hammer means to fire the ammunition and feed the spent portion of the strip through said slot, said cooperating means comprising a horizontally disposed hollow feed and anvil drum driven in one direction by a spring motor through a vertical shaft having a pawl and ratchet connection with said feed and anvil drum.

2,045,370
ARTIFICIAL MATERIALS AND PROCESS OF MAKING THE SAME
Robert Pierce Roberts, Edgar Bertie Johnson, and Louis Wilfred Gregory, Spondon, near Derby, England, assignors to Celanese Corporation of America, a corporation of Delaware
No Drawing. Application March 2, 1932, Serial No. 596,406. In Great Britain April 28, 1931
11 Claims. (Cl. 18—54)

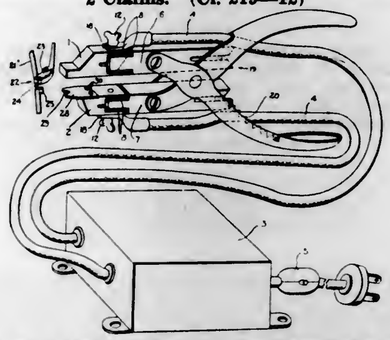
1. Process for the production of artificial filaments, threads, ribbons, films and the like, which comprises forming a solution of a base material in a solvent mixture comprising a solvent and a non-solvent for the base material in such proportions that before all the said mixture would evaporate in a substantially solvent-free atmosphere the base material would be precipitated, and extruding the said solution through suitable orifices into an evaporative atmosphere which already contains the vapor of a solvent for the base material in amount sufficient to give a continuous gel structure to the surface only of the extruded products.

2,045,371
AUTOMATIC ICE CUBE RELEASE
Julius Roberts, Brooklyn, N. Y.
Application December 9, 1933, Serial No. 701,602
9 Claims. (Cl. 62—108.5)



9. A grid for ice cube trays including a lower section adapted to form a longitudinal dividing member in a tray, an upper section including a longitudinal member having lateral fins and cooperating with said lower member to divide the interior of the tray into individual cube compartments, said upper and lower sections being relatively movable within the tray, and lever means arranged to press downwardly on said lower grid section and upwardly on said upper grid section to cause a relative movement of said grid sections.

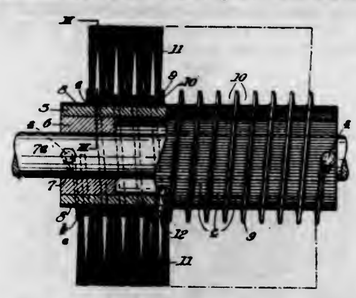
2,045,372
TOOL FOR ASSEMBLING OPHTHALMIC MOUNTINGS
Elmer L. Schumacher, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a voluntary association of Massachusetts
Application October 20, 1933, Serial No. 694,506
2 Claims. (Cl. 219—12)



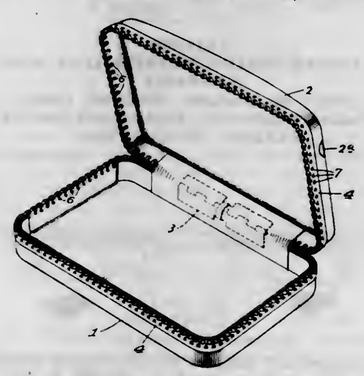
1. In a device of the character described, a pair of clamp arms mounted for movement toward and away from each other and each having a shouldered portion and a reduced jaw attaching portion, a pair of work holding jaw members each having a shouldered portion and a reduced attaching portion shaped to overlie each of the reduced attaching portions of the clamp arms with the end of each overlapping portion positioned adjacent the shoulder of the other portion, one of said reduced overlapping portions having a slot therein and the other having securing means fitting in said slot for securing the overlapping portions together, and insulating means between said reduced overlapping portions and between the shouldered portions and the ends adjacent said shouldered portions to support the said portions in spaced relation with each other, said insulating means adjacent the edge of the slot forming means for holding the securing means in spaced relation with the side walls of the slot when the jaw members are in attached relation with the clamp arms.

2,045,373
BRUSH
Rees T. Scully and Otto C. Rieger, Pittsburgh, Pa., assignors of forty-two and one-half per cent to Walter S. Lang, forty-two and one-half per cent to said Scully, and fifteen per cent to said Rieger, Pittsburgh, Pa.
Application February 8, 1935, Serial No. 5,533
10 Claims. (Cl. 15—182)

1. A rotary brush including a brush body, a separable strip wound in a spiral on the body for preforming permanent grooves for receiving brush material therein, independent means on the surface of the body cooperating with the strip for fixedly maintaining the convolutions of the spirally wound strip in spaced relation, brush material disposed between the convolutions of said strip, and means for detachably securing the brush material in said grooves whereby the material is removable without affecting the wound strip.



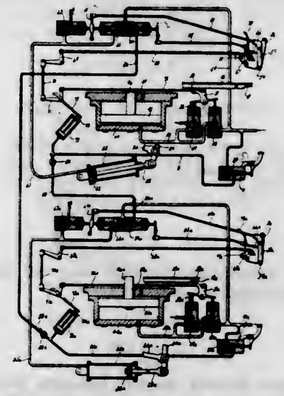
2,045,374
METAL EDGED BOX PART
John M. Shields, Chicago, Ill., assignor to F. H. Noble & Co., Chicago, Ill., a corporation of Illinois
Application March 16, 1935, Serial No. 11,443
3 Claims. (Cl. 220—73)



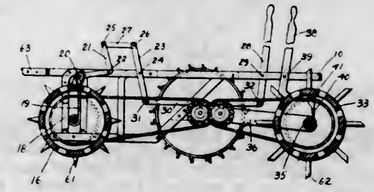
1. In jewelry boxes and similar boxes, a box member reinforced around its edge with a continuous sheet metal strip, said strip having a marginal portion on the outer face of said box member and a row of narrow closely-spaced teeth bent over the edge of said member and clamped against the inner face thereof, the outer faces of said teeth at the edge of the box member forming a cross-slitted flat meeting face for said box member.

2,045,375
SLIDING BED PRESS
John P. Singiser, Chicago, Ill., assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a corporation of Ohio
Application August 2, 1933, Serial No. 683,322
19 Claims. (Cl. 68—9)

1. In presses of the class described, the combination of two presses, each having coacting pressing elements, one of which is movable toward and from the other, fluid power means for moving the movable element, inlet and exhaust valves for controlling the fluid supply to the power means, and each press having an actuator movable in one direction for opening the inlet and closing the exhaust valve and movable in another direction for closing the inlet and opening the exhaust valve, and one control member having operative connections with both actuators for simultaneously controlling movement of the actuator of one press in one direction and movement of the actuator of the other press in the other direction.



2,045,376
WEED ERADICATOR
Arthur Stanelle, Forest Junction, Wis.
Application December 26, 1934, Serial No. 759,287
2 Claims. (Cl. 97—40)

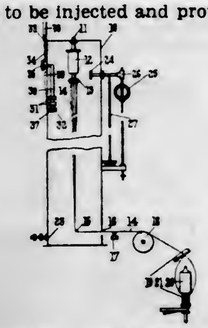


1. A device of the character described comprising a frame equipped with an axle shaft having wheels mounted thereon to support the unit, an auxiliary shaft, two adjustably mounted drums equipped with prongs and supported by the frame revolving in opposite relation to each other when actuated by sprockets from the axle shaft and auxiliary shaft and multiple gears of variable dimension engaging one another mounted on the shafts to operate the drums at pre-determined speeds.

2,045,377
MANUFACTURE OF ARTIFICIAL MATERIALS
William Ivan Taylor, Spondon, near Derby, England, assignor to Celanese Corporation of America, a corporation of Delaware
Application October 26, 1932, Serial No. 639,612
In Great Britain November 13, 1931
8 Claims. (Cl. 18—8)

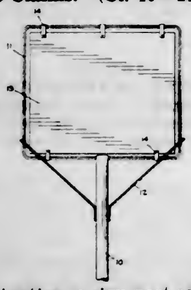
1. Apparatus for the production of artificial silk, comprising a spinning cell, a spinning jet disposed therein, means for passing a current of evaporative medium through the cell, and means for introducing additional evaporative medium in the neighborhood of the spinning jet, said means comprising a conduit arranged within the cell extending over a length covering the extremes of the positions at which the additional evaporative

atmosphere is to be injected and provided with a



series of apertures through any of which air may be injected as desired.

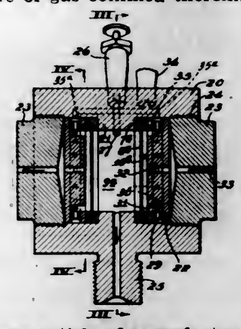
2,045,378
SIGN
Fuller Arnold Austin, Lincoln, Nebr.
Application January 27, 1936, Serial No. 60,939
5 Claims. (Cl. 40—145)



5. In combination, a sign post and a sign frame, said frame including a bottom horizontal member secured to the upper end portion of said sign post and a pair of vertical side members projecting upwardly from the extremities of said bottom member, a pair of braces for said sign frame, each of said braces being in U-form for embracing said bottom member and one of said side members at points remote from the vertices of the angles between the said bottom member and the said side members, said braces being rigidly secured to said bottom and side members at the points of intersection for stabilizing the corners of said frame against distortion from wind and other stresses, and rigid connections between said braces and said post.

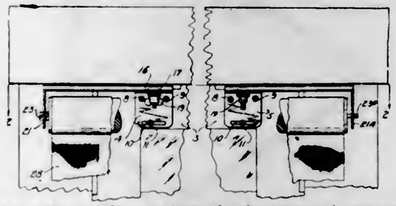
2,045,379
APPARATUS FOR DIFFUSING GASES
Owen G. Bennett, Baltimore, Md., assignor to Catalyst Research Corporation, Baltimore, Md., a corporation of Maryland
Application September 23, 1932, Serial No. 634,572
2 Claims. (Cl. 73—51)

1. An apparatus for diffusion of gases comprising a hollow casing closed at its ends, a pair of permeable diaphragms mounted in spaced relation in said casing and forming therebetween a gas-enclosing space, means for introducing and confining a gas in said space, means forming with the exterior of each of said diaphragms a separate gas conduit of width restricted to cause gas passed therethrough to move at high velocity over the surface of the diaphragm exteriorly of said chamber, means for supplying gas to said conduits, and pressure-responsive means associated with said gas-enclosing space to indicate the pressure of gas confined therein.



2. As a new article of manufacture, a gas diffusion diaphragm composed of finely divided nickel compressed into a strong and coherent body, the nickel having been formed by evaporation of mercury from a mercury-nickel amalgam to leave the nickel in a state of exceedingly fine sub-division.

2,045,380
WINDOW SHADE ATTACHMENT AND SUPPORT
Henry M. Brumser, Portland, Oreg.
Application October 23, 1933, Serial No. 694,799
1 Claim. (Cl. 248—269)

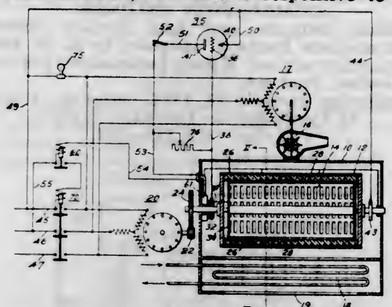


An adjustable window shade support comprising a pair of base brackets secured to the top cross bar of a window sash and each bracket having an arm outwardly extending from the cross bar, and a channel-way formed longitudinally of the arm, an angle arm secured to each channeled arm of the base bracket and adjustable longitudinally thereof, means for preventing rotation of the arms relative to each other, said means comprising elements depending from the angle arm that engage with the side walls of the channel-way, said arm that is angularly disposed to the channel engaging arm being arcuate in lateral cross section and means for securing a window shade roller to the angle arm, said means comprising a leg downwardly extending from the outer end of the angle arm.

2,045,381
CONTROL SYSTEM
Robert S. Elberty, Jr., Wilkinsburg, Pa., assignor, by mesne assignments, to The American Laundry Machinery Company, a corporation of Ohio
Application August 13, 1931, Serial No. 556,819
15 Claims. (Cl. 34—5)

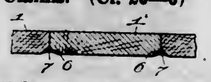
1. A machine for drying material comprising, in combination, means for extracting moisture from said material, an electric discharge device

disposed to be affected by the moisture content of said material, and means responsive to the



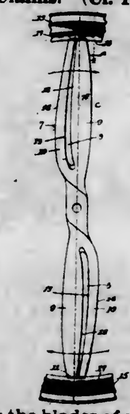
condition of the electric discharge device for discontinuing the action of said extracting means.

2,045,382
FLEXIBLE WOOD FLOORING
Armin Elmendorf, Winnetka, Ill.
Application February 14, 1936, Serial No. 63,954
In Great Britain September 4, 1934,
5 Claims. (Cl. 20—6)



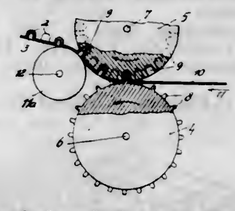
1. As an article of manufacture, a flooring panel flexible as a whole and adapted to be laid on a floor base, and comprising: straight edged tiles arranged with the edges of adjacent tiles in contact with each other, said contacting edges being provided at one face of the panel with recesses, and an elastic medium adhering to the walls of said recesses, said elastic medium forming the sole uniting means between said tiles.

2,045,383
PROPELLER
Guy S. Faber, Chicago, Ill., assignor to General Regulator Corporation, Chicago, Ill., a corporation of Illinois
Application April 11, 1934, Serial No. 720,127
34 Claims. (Cl. 170—172)



1. A propeller the blades of which contain openings extending therethrough from the front to the rear of the blades the angles at which the portions of the blades at opposite sides of the openings extend relative to the path of rotation of the propeller progressively decreasing from the inner ends of the blades, to the tips thereof, said blades being so shaped as to create suction through said openings toward the rear of the propeller in the rotation thereof.

2,045,384
METHOD OF PRODUCING INSULATING MATS
William Gerb, Berlin, Germany
Application January 23, 1935, Serial No. 3,107
In Germany February 14, 1934
2 Claims. (Cl. 154—28)



1. A method of producing insulating mats composed more particularly of a fibrous material, such as cardboard, paper and the like, which consists in subjecting the said material to a pressing operation to produce elevations therein; and simultaneously loosening the structure of that portion of the said material constituting the said elevations while at the same time avoiding compressing the loosened structure of the elevations.

2,045,385
BROOCH AND THE LIKE
Wilhelm Goetz, Providence, R. I., assignor to C. & G. Manufacturing Company, Inc., Providence, R. I., a corporation of Rhode Island
Application April 7, 1936, Serial No. 73,085
11 Claims. (Cl. 63—20)



1. In an article of jewelry, a back plate, a clip wholly in front of the back plate, and resilient means integral with the back plate for maintaining the clip in contact with the front of the back plate.

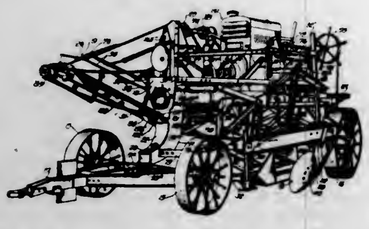
2,045,386
STATIONARY BLADE FOR LAWN MOWERS
Frederick P. Gottschalk, Plainfield, N. J.
Application March 28, 1935, Serial No. 13,406
4 Claims. (Cl. 56—294)



1. A stationary knife blade for lawn mowers having a rotatable cutting reel, said stationary blade comprising a relatively thin flat steel body attachable to the mower and an upturned flange formed along one longitudinal edge of the body for cutting engagement by the blades of the reel,

said flange having its upper edge beveled inwardly from the rear surface of the flange with the beveling terminating short of the front surface of the flange to provide a cutting surface on the top edge of the flange having a width less than the thickness of the flange, the surfaces of the flange other than the beveled portion being relatively hard to retard wear of the cutting surface.

2,045,387
ELEVATING GRADER
James B. Green and John M. Rathmell, Aurora, Ill., assignors, by mesne assignments, to Western-Austin Company, Aurora, Ill., a corporation of Illinois
Original application April 6, 1932, Serial No. 603,460. Patent No. 1,981,170. Divided and this application March 10, 1933, Serial No. 660,196
17 Claims. (Cl. 37—110)



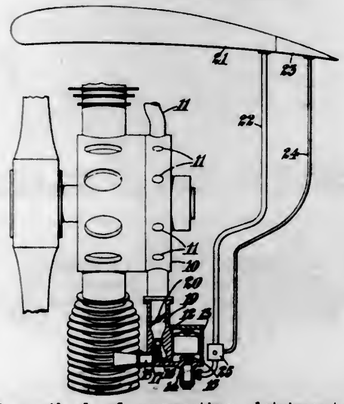
1. In an elevating grader, the combination of a wheel supported frame, a grading plow operatively connected with said frame, an elevator supported on said frame for loading the soil broken up by said plow, and power actuated mechanism for adjusting said plow and adjusting said elevator, said power actuated mechanism including reversing mechanism for transmitting adjusting motion to said plow and to said elevator in opposite directions, and including self-locking mechanism for automatically holding the plow and elevator in the different positions to which they have been adjusted.

2,045,388
BOTTLE
James M. Guthrie, Pittsburgh, Pa., assignor of one-third to Joseph C. Keaney, Mount Lebanon, Pa.
Application May 20, 1935, Serial No. 22,397
2 Claims. (Cl. 215—7)



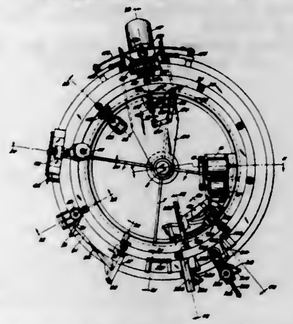
1. In a glass bottle having a threaded neck and a frangible lug integrally formed with and projecting angularly from said neck at a point below the mouth of the bottle, the combination of a screw closure including a threaded skirt portion and a peripheral rim portion initially so formed that the closure may without interference with said lug be screwed into bottle-sealing position on said threaded neck, said peripheral rim portion being adapted, when the closure has entered said bottle-sealing position, to yield downward into position of cooperation with said lug.

2,045,389
INDUCTION SYSTEM FOR INTERNAL COMBUSTION ENGINES
William Helmore and Alan Arnold Griffith, Hampshire, England, assignors to H. M. Hobson (Aircraft and Motor) Components Limited, London, England
Application January 26, 1934, Serial No. 708,493
In Great Britain February 3, 1933
8 Claims. (Cl. 123—127)



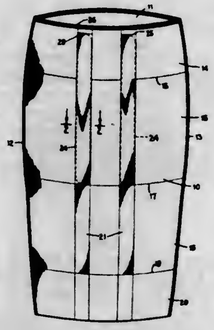
1. A method of preventing detrimental ice formation in the induction system of an internal-combustion engine for aircraft which consists in causing a small proportion of an anti-freezing substance to be dispersed in said induction system only when freezing conditions prevail.

2,045,390
MACHINE FOR MAKING WOOD HEELS
Andrew F. Howe, University City, Mo., assignor to United Wood Heel Company, St. Louis, Mo., a corporation of Delaware
Application July 12, 1935, Serial No. 31,031
51 Claims. (Cl. 12—42)



1. A machine of the character described comprising a carriage supported for rotation about a vertical axis, a jack for holding a wood heel blank and supported by said carriage for rotation about a vertical axis, a cutter for forming the breast wall of the heel during rotation of said carriage, means for preventing said jack from rotating during the time that said cutter is forming said breast wall, a second cutter for forming the outer wall of the heel during rotation of said carriage and during rotation of said jack, and means for rotating said jack during operation of said second cutter and causing said second cutter to form the outer wall of the heel from one end of said breast wall to the other end thereof.

2,045,391
GARMENT
Emil D. Kattermann, Dover, N. J., assignor to Swiss Knitting Company, Dover, N. J., a corporation of New Jersey
Application November 10, 1933, Serial No. 697,424
4 Claims. (Cl. 66—176)



4. A method of producing an abdomen confining garment of the class described which comprises rib knitting a section of the garment in part of elastic thread, controlling the needles in the course of knitting to form a longitudinally extending welt having the width of a plurality of the ribs in the preceding rib knit section, inserting a stiffening element in the pocket so formed, and closing the end of the pocket by continuing the knitting of said section in rib formation without the welt.

2,045,392
ANNEALING STEEL AND THE LIKE
Joseph C. Kientz, Jr., Carnegie, Pa., assignor to Superior Steel Corporation, Pittsburgh, Pa., a corporation of Virginia
Original application February 20, 1934, Serial No. 712,184. Divided and this application February 13, 1936, Serial No. 63,789
7 Claims. (Cl. 148—14)

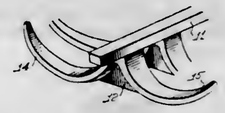


1. A method of annealing chromium containing corrosion resistant ferrous metal comprising applying directly to the surface of the metal a coating of hydrocarbon which volatilizes upon the application of heat thereto and subjecting the thus treated metal to an annealing temperature in an annealing chamber, and thereby forming in intimate contact with the surface of the metal in the annealing chamber upon volatilization of the hydrocarbon a protective medium resulting in formation on the surface of the metal of a light coating of an oxide easily removable by pickling.

2,045,393
DRESSING AND POLISHING AGENTS
Leo Kollek, Ludwigshafen-on-the-Rhine, and Michael Jahrstorfer, Mannheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application July 18, 1932, Serial No. 623,286. In Germany August 6, 1931
13 Claims. (Cl. 134—24)

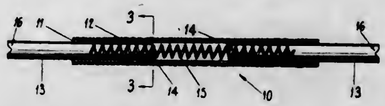
13. A dressing and polishing composition comprising an aqueous dispersion of from about 10 to about 40 per cent solution of a polymeric vinyl ether of an aliphatic alcohol containing from 10 to about 35 carbon atoms, in a water-insoluble organic solvent selected from the group consisting of liquid hydrocarbons, halogenated hydrocarbons, esters and ketones.

2,045,394
RAKE
Henry J. Kuhlman, Oskaloosa, Iowa
Application June 22, 1934, Serial No. 731,807
3 Claims. (Cl. 55—10)



1. A rake having a head with a plurality of sets of integral teeth extending oppositely from each other, and with each set of opposite teeth having a thinner connecting web providing a common tread therebetween.

2,045,395
EXTENSIBLE AND CONTRACTIBLE PERCH
Joseph P. Leindorf, Pelham Manor, N. Y.
Application August 2, 1935, Serial No. 34,363
1 Claim. (Cl. 119—26)



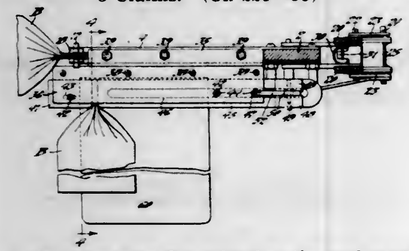
In a threadably adjustable composite perch for bird cages, an outer tubular member, a tubular supporting member closely fitting into an end of said outer tubular member and slidable therein, another tubular supporting member closely fitting into the other end of said outer tubular member and slidable therein, and an open coil compression spring within said outer tubular member and extending within each of said tubular supporting members, the inner ends of each of said supporting members having transversely extending means designed for interlocking threaded engagement with the coils of said spring while permitting relative rotation between the inner tubular members and the spring coil to vary the overall length of said assembled perch when detached from the cage, the said supporting members having their outer ends notched for engaging the wires of the cage and being non-rotatably positioned to receive pressure directed outwardly upon their inner ends from said coil spring when mounted in the cage, the endwise pressure being substantially of the same intensity in all adjusted longitudinal positions.

2,045,396
SEPARABLE FASTENER
Davis Marinsky, New York, N. Y., assignor to Whitehall Patents Corporation, New York, N. Y., a corporation of New York
Application August 17, 1932, Serial No. 629,094
12 Claims. (Cl. 24—205)



1. A stringer for fastening devices of the class described comprising a mounting tape, a plurality of coupling elements attached to and spaced longitudinally of one edge of said tape and projecting therebeyond, a supplemental strip attached to said mounting tape and including a flange portion projecting beyond the edge of the mounting tape and covering part of the projecting portions of said coupling elements, said flange portion being formed by folding the supplemental strip upon itself and stitching the same together at the inner end of the flange portion and independent of said mounting tape, and the supplemental strip having a series of longitudinal openings disposed adjacent said flange portion through which the coupling elements of the stringer are adapted to pass.

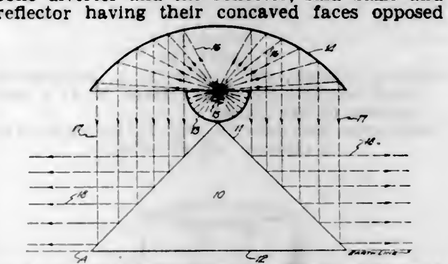
2,045,397
MACHINE FOR CLOSING AND SEALING BAGS AND LIKE CONTAINERS
Arthur H. Maynard, Warwick, R. I., assignor to Boston Wire Stitcher Company, Portland, Maine, a corporation of Maine
Application October 26, 1932, Serial No. 639,573
5 Claims. (Cl. 226—56)



1. An apparatus for crimping the end portion of tubular containers comprising spaced parallel walls forming an opening therebetween, a strip between the walls for closing the opening at one side, an abutment between the walls of the opening at one end thereof and extending throughout the depth of the opening, said parallel walls, abutment and strip forming a pocket for enclosing the entire end of a container inserted through the open side of the opening, and a slide in the opening between the walls thereof and of a width equal to the depth of the opening, said slide slidable toward the end abutment.

2,045,398
RADIO ANTENNA
Andrew Massey and Henry Hulick, Raleigh, N. C.
Application August 9, 1934, Serial No. 739,086
4 Claims. (Cl. 250—11)

1. A radio antenna comprising in combination, a conical diverter, a parabolic reflector, said conical diverter and parabolic reflector being arranged in superimposed relation and with their center axes in vertical alinement, a radio frequency energy emitter interposed between said conical diverter and said parabolic reflector, and a hemispherical baffle interposed between the cone diverter and the reflector, said baffle and reflector having their concaved faces opposed



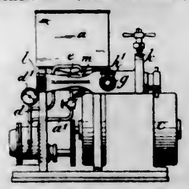
and positioned with their peripheral edges on a horizontal plane whereby to concentrate all of the energy from said emitter upon said parabolic reflector from where it is reflected upon the inclined sides of said conical diverter and deflected radially and horizontally therefrom,

2,045,399
GLASSES
Hew B. McMurdo, Atlanta, Ga.
Application January 15, 1935, Serial No. 1,863
6 Claims. (Cl. 88—41)



4. A device of the character described comprising a pair of transparent lenses, one of said lenses being colored and the other having a colored segment and a clear segment, the colored segment being nearest the inner side of said lens, and means to support said lenses in operative position before the eyes of a user.

2,045,400
PRODUCTION OF FIRE EXTINGUISHING FOAM
Leonard Challinor Miller, London, England, assignor to Merryweather & Sons Limited, London, England
Application March 5, 1934, Serial No. 713,985
In Great Britain March 15, 1933
5 Claims. (Cl. 261—76)



1. In an apparatus for producing and delivering fire extinguishing foam the combination with an injector comprising a Venturi tube having terminal inlet and outlet openings and an additional inlet opening intermediate its ends and a driving nozzle operatively associated with the inlet end of said Venturi tube, of a source of liquid under pressure connected to said driving nozzle, a source of gaseous fluid under pressure connected to the inlet end of the Venturi tube, a source of foam stabilizing solution, means for forcing foam stabilizing solution from said source to and through said additional inlet opening into said Venturi tube and foam conveying means connected to the outlet opening of said Venturi tube.

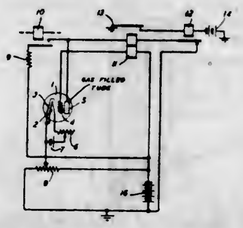
2,045,401
CORSET
Otto D. Mowry, Evanston, Ill., assignor to I. Newman & Sons, Inc., New Haven, Conn., a corporation of Connecticut
Application August 22, 1935, Serial No. 37,389
7 Claims. (Cl. 2—30)



1. A garment of the character described including a corset body and a brassière, the corset body and brassière at the back being open, the opening in the corset body extending to a short distance below the waistline, disengageable fasteners for drawing the corset body and brassière together at said opening, said brassière being provided with a pair of breast pockets, and a supporting structure therefor, said supporting structure including a straight section extending between the breast pockets downwardly to overlap the corset body, a pocket carried by the brassière and corset body guiding said section, and integral loops extending from said section, said loops extending around the upper edge of the breast pockets under the arms and to the center of the back to a point adjacent the top of said openings, and a pocket for each of said loops, said pockets forming the upper portion of the respective breast pockets at the top and merging into the upper edge of the brassière under the arms and back.

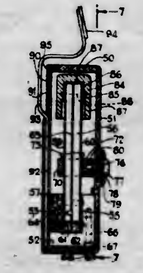
2,045,402
SIGNALING SYSTEM
Oscar Myers, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application January 17, 1935, Serial No. 2,309
5 Claims. (Cl. 179—16)

1. In a signaling system, a gaseous conductor tube having a control electrode, a cathode and an anode, a source of potential, a two-winding relay having one winding associated with said source of potential and the cathode-anode circuit of said tube, and the other winding associated with said source of potential and the control electrode circuit of said tube, and a circuit closing means operative upon its closure and subsequent



restoration to cause said tube to ionize and operate said relay.

2,045,403
PIEZOELECTRIC DEVICE
Emmanuel Christ Nicholides, New York, N. Y., assignor, by mesne assignments, to Sonotone Corporation, New York, N. Y., a corporation of New York
Application May 24, 1933, Serial No. 672,560
13 Claims. (Cl. 171—327)

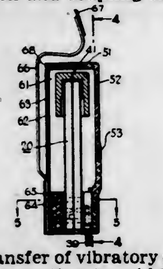


13. In a piezo-electric device for imparting mechanical vibrations to a load, a vibrator comprising a member of piezo-electric Rochelle salt crystal substance, supporting means restraining one part of said vibrator and supporting another part of said vibrator in a floating condition, electrode means for impressing electrical oscillations of said substance to produce a vibratory motion between the restrained and the floating parts of said vibrator, and means for coupling an intermediate portion of said vibrator disposed between the restrained and floating parts of the vibrator to a load, the floating part of the vibrator extending beyond said coupling portion having a substantial mass including a body of greater specific weight than said piezo-electric substance for producing forces transmitting vibratory energy to said load.

2,045,404
PIEZOELECTRIC VIBRATOR DEVICE
Emmanuel Christ Nicholides, New York, N. Y., assignor, by mesne assignments, to Sonotone Corporation, New York, N. Y., a corporation of New York
Application May 24, 1933, Serial No. 672,561
23 Claims. (Cl. 179—107)

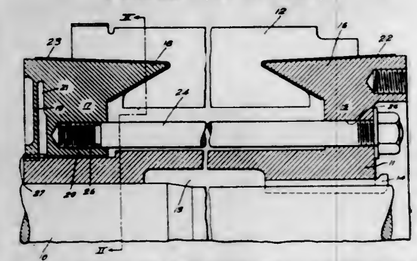
1. In a piezo-electric device for imparting mechanical vibrations to a load, a vibrator comprising a member of piezo-electric crystal substance, electrode means for impressing electric oscillations on the piezo-electric substance of said member to produce a vibratory motion of said vibrator, and coupling means supporting said vibrator in a

floating condition and coupling said vibrator to a



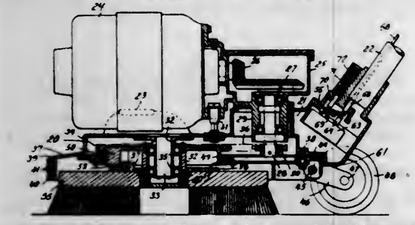
load to cause transfer of vibratory energy produced by said vibratory motion to said load.

2,045,405
COMMUTATOR
Gaylord W. Penney, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, East Pittsburgh, Pa., a corporation of Pennsylvania
Application May 4, 1934, Serial No. 723,911
6 Claims. (Cl. 171—320)



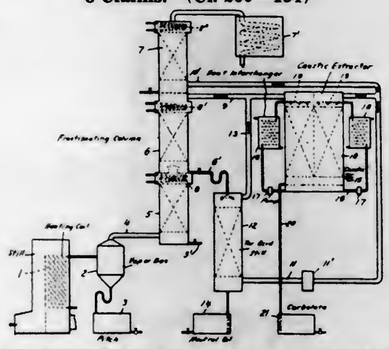
1. A commutator structure for mounting on the shaft of a dynamo-electric machine comprising, in combination, a bush disposed on the shaft, an outer V-ring carried by the bush, an inner V-ring, commutator bars disposed between the rings, a flexible annular member mounted on the bush carrying the inner ring in oppositely disposed relation to the outer ring, the inner ring being supported spaced from the bush, the flexible annular member permitting movement of the inner ring as the commutator bars expand and contract upon changes in temperature, and means disposed to tie the rings to one another.

2,045,406
FLOOR MACHINE
Robert A. Ponselle, New York, N. Y.
Application December 16, 1933, Serial No. 702,702
8 Claims. (Cl. 15—49)



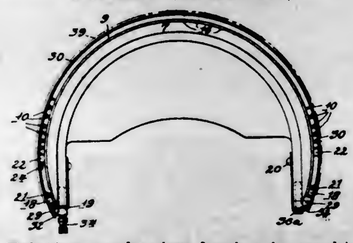
1. In a floor machine, the combination of a base, a rotary tool mounting on the base, a motor, a mounting for the motor on the base, said motor being movable along its mounting, a driven shaft connected to said motor to be driven thereby and extending through an opening in said base, a mounting for said shaft attached to the motor and movable with the motor relative to the motor mounting, a flexible driving element beneath the base connecting said driven shaft and tool mounting, and means for securing said motor in different positions on its mounting, the movement of said motor and shaft mounting in a direction away from said tool mounting increasing the tension on said flexible driving element.

2,045,407
DISTILLATION OF TAR
Arthur H. Radasch, Bloomfield, N. J., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application July 8, 1931, Serial No. 549,419
Renewed January 27, 1936
8 Claims. (Cl. 260—154)



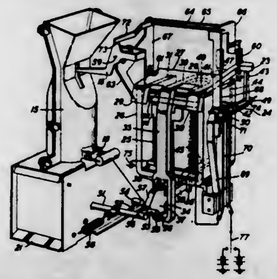
1. The method of treating tar-acid and neutral-oil-containing hydrocarbon material, which comprises distilling the material, cooling the vapors to condense part but not all of the tar acids thereby producing a tar-acid-containing condensate, vaporizing tar acids from this condensate, blending the tar acid vapors with uncondensed vapors resulting from the distillation of the hydrocarbon material and extracting the blended vapors for tar acids by contact with an alkaline reagent.

2,045,408
PRINTING MECHANISM
Worth G. Read, St. Paul, Minn.
Application September 21, 1935, Serial No. 41,561
8 Claims. (Cl. 101—377)



1. Printing mechanism having in combination a segment, a form holder mounted on the periphery of said segment, a multiplicity of individual line members removably secured to said form holder, a flexible member extending transversely of said line members in engagement therewith and means for tensioning said flexible member upon said line members.

2,045,409
ELECTROMAGNET
Frederic J. Redmond, Arlington, N. J., and John N. Reynolds, New York, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application March 15, 1935, Serial No. 11,200
12 Claims. (Cl. 194—1)



1. A coin operated machine comprising an electromagnet having an armature comprising a permanently magnetized member mounted for movement about one axis and having a second armature comprising a non-permanently magnetized member mounted for movement about a different axis and coin diverting means jointly controlled by said members.

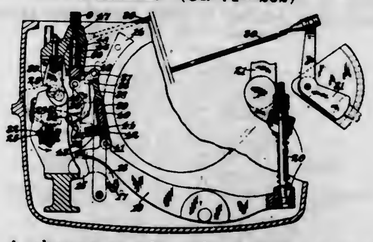
2,045,410
MANUFACTURE OF IMPREGNATED FIBER ARTICLES
George A. Richter and Milton O. Schur, Berlin, N. H., assignors to Brown Company, Berlin, N. H., a corporation of Maine
No Drawing. Application September 23, 1932, Serial No. 634,564
4 Claims. (Cl. 91—70)

1. A process which comprises introducing regenerated cellulose throughout a porous fiber article while substantially preserving its porosity, impregnating the article throughout with an aqueous dispersion of heat-fusible, solid waterproofing material, and drying the impregnated article at a sufficiently elevated temperature to fuse the dispersed particles of waterproofing material.

2,045,411
PREPARATION OF SOLUTIONS OF HYDROXY-CELLULOSE ETHERS
George A. Richter and Harold P. Vannah, Berlin, and Douglas H. McMurtrie, Gorham, N. H., assignors to Brown Company, Berlin, N. H., a corporation of Maine
No Drawing. Application July 25, 1934, Serial No. 736,902
11 Claims. (Cl. 106—40)

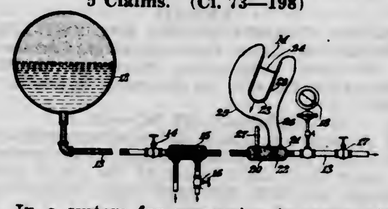
1. A process of dissolving a mass of hydroxy-cellulose ether in caustic soda solution which comprises saturating the mass of ether with a heated caustic soda solution of a strength such as would superficially gelatinize the ether at room temperature, said solution being heated sufficiently to have substantially no gelatinizing effect on the ether, and then causing a solution of the mass of caustic soda-ether mixture in the presence of diluting water at a temperature distinctly below such saturating temperature but above the freezing temperature of the resulting diluted caustic soda solution.

2,045,412
CHANGE SPEED MECHANISM FOR VARIABLE SPEED GEARS
Georges Henry Roesch, London, England, assignor of one-half to Clement Talbot Limited, London, England, a British company
Application December 6, 1934, Serial No. 756,353
In Great Britain December 8, 1933
9 Claims. (Cl. 74—262)



1. A change speed mechanism for a variable speed gear comprising a rocking lever, a reciprocable rod pivotally secured at one end of the lever, a bearing member for guiding said rod, a pawl member pivotally mounted on said rod, a bus bar adapted to be reciprocated by said end of the lever, an operating member connected to the other end of said lever, a plurality of gear engaging and disengaging means, a corresponding number of releasable mechanical connections between said means and said bus bar, an adjustable selector mechanism adapted to close any one of said connections and to release the other connections and comprising a rotatable shaft having fixed thereto a ratchet wheel, which ratchet member and ratchet wheel are so disposed that operating engagement is effected during the latter part of the movement of the rocking lever and the movement of which bus bar in one direction is caused to operate the gear disengaging means while in the other direction it is arranged to operate the gear engaging means, the respective connection of which has been closed by said selector mechanism.

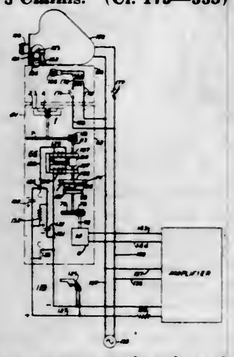
2,045,413
METERING SYSTEM
Jasper M. Rowland, late of Niagara Falls, N. Y., deceased, by Annie Gage Rowland, executrix, Niagara Falls, N. Y., assignor to Hooker Electrochemical Company, Niagara Falls, N. Y., a corporation of New York
Application July 21, 1932, Serial No. 623,759
5 Claims. (Cl. 73—198)



1. In a system for measuring in vapor phase the rate of flow in units of weight per unit of time of a confined volatile liquid under variable temperature, means for maintaining said liquid at constant predetermined pressure, means supplying heat for evaporating said liquid at said constant predetermined pressure, means for regulating the flow of the resulting vapor and means for metering the flow of said vapor, while said vapor is in free contact with its liquid in said evaporating means at said predetermined pressure and the

corresponding equilibrium temperature, said metering means including means for expressing the flow directly in units of weight.

2,045,414
TIMING APPARATUS
Carl H. Rumpel, New York, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application August 2, 1933, Serial No. 683,238
3 Claims. (Cl. 175—335)



1. In an apparatus of the class described, including a polarized magnet, a control circuit for said polarized magnet, a source of current supply in said control circuit, a pair of conductors extending from said source of current supply to windings of said polarized magnet, a condenser in series with the windings of said polarized magnet, a condenser in parallel with the windings of said polarized magnet, a contact making device connected across the conductors of said circuit to provide a discharge path for current from said first-mentioned condenser through said polarized magnet in a direction opposite to that normally maintained through the windings of said polarized magnet, and a circuit breaking and making device to disconnect said first-mentioned condenser from said polarized magnet and to make a discharge path for said second-mentioned condenser through said polarized magnet, said circuit making and breaking device having break contacts in series with said first-mentioned condenser and said polarized magnet, and a make contact in series with said second-mentioned condenser.

2,045,415
SALVES, CREAMS, SOAPS, AND THE LIKE
Walther Schrauth, Berlin-Dahlem, Germany
No Drawing. Application November 30, 1934, Serial No. 755,417. In Germany November 23, 1933
5 Claims. (Cl. 167—63)

3. A salve comprising an oleaginous substance and fairly pure myristyl alcohol which contains no more than slight traces of the other higher aliphatic alcohols, said salve being substantially free from soap.

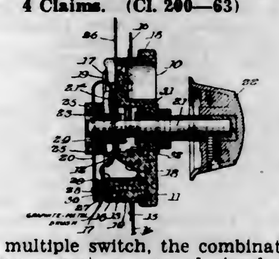
2,045,416
COMBINATION WRITING INSTRUMENT AND SHAVER'S KIT
Harry I. Schwartz and Joseph H. Rothstein, New York, N. Y.
Application July 14, 1934, Serial No. 735,112
3 Claims. (Cl. 30—47)

1. A safety razor comprising a handle, a threaded socket formed in one end of said handle, a blade carrier, a blade clamping head, a threaded stud fixedly carried by said clamping head and freely passing through an opening in said blade carrier, said stud comprising two pivotally connected sections, said threaded stud being threaded into said socket whereby threading of said stud home into said socket by turning said head relative to said handle or vice versa will cause said socket, to overlap the joint be-



tween said stud sections and engage the underside of said blade carrier to secure the carrier and head in clamped engagement crosswise of said handle, and partial unscrewing of said stud or handle to cause said socket to clear the joint between said studs will release the clamping tension on said blade carrier and clamping head and permit of the swinging of said blade carrier and clamping head to a position parallel to said handle.

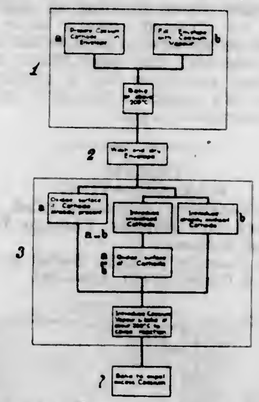
2,045,417
SWITCH
David T. Siegel, Chicago, Ill.
Application December 31, 1934, Serial No. 759,927
4 Claims. (Cl. 200—63)



1. In a multiple switch, the combination of a base having a seat, a core of circular outline adapted to cooperate with the seat, said base and core being composed of ceramic material, a plurality of bands around said core and arranged in angularly spaced relation and providing terminals, fused vitreous enamel uniting said core and base and embedding said bands except as to the surfaces thereof on the top edge of the core, a switch arm adapted to progressively contact said exposed surfaces, and means for providing a snap action of the switch arm between adjacent contacts, said means including elevations overlaid with said enamel.

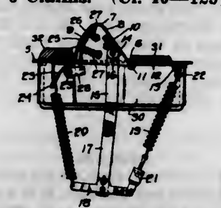
2,045,418
MANUFACTURE OF PHOTOELECTRIC TUBES
Charles Henry Simms, Kentish Town, London, England, assignor to The General Electric Company Limited, London, England
Application April 16, 1935, Serial No. 16,584
In Great Britain May 31, 1934
6 Claims. (Cl. 250—27.5)

1. In the manufacture of photo-electric tubes having a vitreous envelope, the process which includes introducing caesium into the envelope and sealing off the tube, then heating the tube to vaporize the caesium and effect a modification of the inner wall of the envelope by the action of



caesium vapors thereon, opening the tube and washing out the envelope with an aqueous solution which will not affect the modified inner wall thereof, drying the interior and then completing manufacture of the tube.

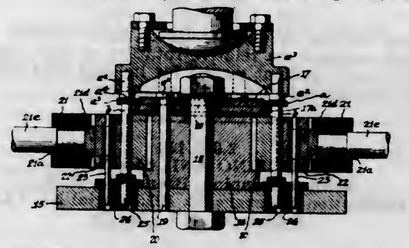
2,045,419
TRAFFIC SIGN
Henry J. Smith, David City, Nebr.
Application June 5, 1935, Serial No. 25,134
6 Claims. (Cl. 40—125)



2. A traffic sign comprising a base plate having an opening therein, a sign member having front and rear inclined faces normally disposed in said opening in an upright position, a hinge plate pivotally connected at one end to the lower edge of one face of said sign member, said hinge plate having its opposite end pivotally connected to the bottom of said base plate at a remote point from the edge of said opening, yieldable means normally maintaining said sign member erect, a cushioning bar yieldably connected to the inner side of the other face of said sign member, a roller at the lower end of said bar, and an arcuate arm depending from said base plate disposed in the path of movement of said roller.

2,045,420
METHOD OF MAKING ROLLER BEARING CAGES
Silas A. Strickland, Detroit, Mich.
Original application January 14, 1932, Serial No. 586,547, now Patent No. 1,995,759, dated March 26, 1935. Divided and this application January 4, 1934, Serial No. 705,186
6 Claims. (Cl. 219—10)

2. In the art of producing roller bearing unit assemblies wherein the rolls are supported by a cage formed of a pair of annular members and posts connecting said members, a step in the method of producing the assembly which consists in assembling an embryo cage structure and the bearing rolls, with the embryo cage structure formed of an annular member and posts secured thereto to project upwardly therefrom, the rolls being supported at one end by the member of the embryo cage structure, positioning a second annular member in contact with a restricted area of the end faces of the free ends of the posts, and



locating the assemblage relative to an inactive welding circuit in which the posts and localized zones of both annular members form individual current paths in parallel relation within the circuit, and completing the bearing assembly by rendering the welding circuit active for a time length such as to flash a localized zone of member and post end and weld the posts to the inner face of the added member solely at such end of the posts, whereby the welded structure will present the flash of the weld as located wholly beyond the post end to permit free movement of the rolls in the completed cage assembly.

2,045,421
MACARONI DIE
Guido Tanzi, Brooklyn, N. Y., assignor to V. La Rosa & Sons, Inc., Brooklyn, N. Y., a corporation of New York
Application February 24, 1934, Serial No. 712,738
4 Claims. (Cl. 107—14)

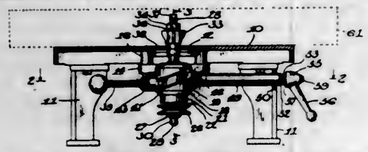


1. A die for extruding materials of the class described, comprising a cup-like body having an open end for charging, and having its other end closed by a wall provided with an extrusion orifice piercing said wall, said orifice being characterized by an elongated narrow slot, and said slot being further characterized by a relatively large enlargement substantially at the mid-point of its charging opening, and by relatively small enlargements at each end of the slot, the general contour of said extrusion slot from end to end being that of a very broad, rather flat M.

2,045,422
SHAPER
Herbert E. Tautz, Milwaukee, Wis., assignor to The Delta Manufacturing Company, Milwaukee, Wis., a corporation of Wisconsin
Application November 25, 1935, Serial No. 51,341
10 Claims. (Cl. 144—134)

9. In combination, a table member having a bore, a bearing member slidably fitting in said bore for relative axial and angular movement with respect to said table member, a cutter spin-

die rotatably carried by said bearing member, one of said members having a helically extending cam surface, a guide carried by the other member and having a slidable engagement with said



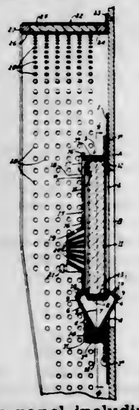
cam surface to effect relative axial shifting of said members by relative rotation of said members, and resilient means for holding said guide in engagement with said cam surface.

2,045,423
ROOFING AND SIDING
John A. Topping, Bronxville, N. Y.
Application February 20, 1935, Serial No. 7,337
8 Claims. (Cl. 108—7)



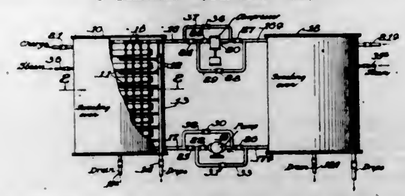
1. A roofing or siding strip comprising a felt base saturated with waterproofing material, a coating of asphalt covering the entire upper surface of said base and having embedded therein a surfacing of granular material, and a substantial thickening and weight imparting overlay coating of asphalt having embedded therein a surfacing of granular material, said overlay coating covering all of that portion of the initially coated roofing or siding strip which is to project beyond the next higher course, except a narrow thick-edge simulating margin along the lower edge thereof.

2,045,424
SPEAKING PANEL
Michael J. Tracy, Robertson, Mo.
Application July 15, 1935, Serial No. 31,337
13 Claims. (Cl. 189—5)



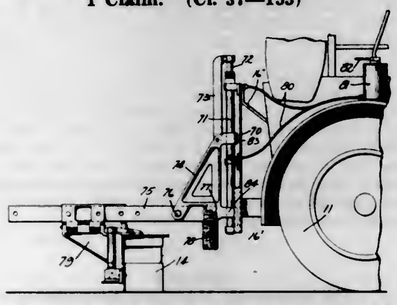
1. A speaking panel including a body portion provided with a vision opening of substantially diamond shape, and means for conducting sound from one side of the speaking panel to the opposite side thereof, said sound-conducting means including means providing a sound-conducting cavity, and apertured walls at opposite sides of the sound-conducting means toward which spoken sound is directed for passage through said sound-conducting cavity, said apertured walls being located immediately adjacent to the lower portion of said vision opening so that spoken sound may be directed toward same without necessity for the speaker to remove his face from the vision opening, and said diamond-shaped vision opening providing for a complete view therethrough of a speaker's face as he speaks into one of the apertured walls.

2,045,425
WAX SWEATING
Vanderveer Voorhees, Hammond, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application January 13, 1934, Serial No. 706,514
8 Claims. (Cl. 196—20)



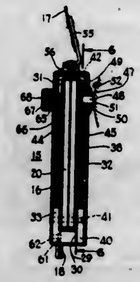
2. The method of uniformly controlling crystallization and melting of wax mixed with oil in a sweating oven which comprises introducing into the heat exchange coil disposed throughout the interior of said oven a working fluid having a boiling point, under the pressure conditions existing within said coil, close to the melting point of the wax-oil mixture, and regulating the pressure on the working fluid so as to produce a change of state of the working fluid thereby producing a material change in heat content of the wax-oil mixture sufficient to bring about the desired change, with only minor change in temperature.

2,045,426
APPARATUS FOR CONDITIONING AND MAINTAINING HIGHWAYS
Arvid West, Niagara, Wis.
Application September 18, 1933, Serial No. 689,917
1 Claim. (Cl. 37—155)



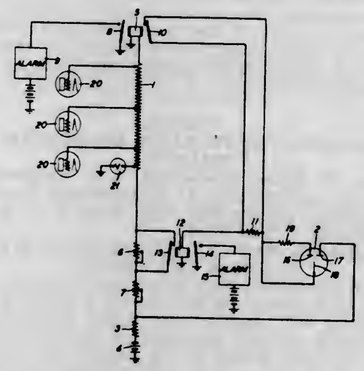
The combination with a road grader and a spreader blade therefor, of a main frame for the grader and a hydraulic cylinder mounted therefrom, an angle bracket mounted upon the cylinder for slidable adjustment thereon, a piston in the cylinder and connections between the piston and the angle bracket for hydraulically adjusting the position of the angle bracket, said angle bracket comprising a support for the spreader blade.

2,045,427
BONE-CONDUCTION HEARING-AID
Sidney Young White, New York, N. Y., assignor, by mesne assignments, to Sonotone Corporation, New York, N. Y., a corporation of New York
Application May 24, 1933, Serial No. 672,534
4 Claims. (Cl. 179—107)



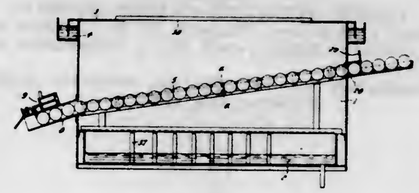
1. In a piezo-electric hearing-aid bone-vibrator device, a piezo-electric vibrator unit of inconspicuous size, electrode means for impressing electric sound-frequency oscillations on the piezo-electric substance of said vibrator unit to produce a vibratory motion of said unit, a floating support of substantial mass holding a portion of said unit, means for coupling a portion of said vibrator unit to hearing-inducing bone structure of a person for imparting thereto hearing-inducing vibratory energy by the vibratory motion of said unit, and an enclosure extending from said support enclosing the piezo-electric substance of said unit.

2,045,428
POWER SUPPLY CIRCUIT
Lyle W. Wickersheim, Essex Fells, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application May 1, 1935, Serial No. 19,149
8 Claims. (Cl. 171—312)



1. In combination, a variable source of potential, a main resistance, a gas-filled space discharge device having cold electrodes connected to said source in series with said main resistance, a potentiometer connected in shunt circuit to said device, and means comprising a relay connected in circuit with said device for increasing the potential across the device to break it down and for reducing the potential impressed on the device after breakdown has occurred to maintain constant voltage across said potentiometer.

2,045,429
APPARATUS FOR TREATING BALLS WITH GASES
Harry Willshaw and Douglas Frank Twiss, Wylde Green, Birmingham, and Sydney Neville Goodhall, Marsten Green, Birmingham, and Frederick Arthur Jones, Wylde Green, Birmingham, England, assignors to Dunlop Rubber Company, Limited, Fort Dunlop, Erdington, Birmingham, England, a British company
Application April 5, 1935, Serial No. 14,824
In Great Britain March 24, 1934
3 Claims. (Cl. 23—252)



1. Apparatus for treating spherical objects in succession with a gaseous medium which comprises a gas chamber, means for supplying treating gas to said chamber, conveying means so constructed that said spherical objects may roll through said chamber in continuous succession, said means comprising an entrance chute so shaped to closely fit and be closed by the passing spherical objects, a closure flap for said entrance chute, guide rails for guiding said spherical objects through said chamber, a discharge chute for and control means for controlling the passage of spherical articles through said discharge chute, said control means including a closure flap member so disposed at the bottom of said chute as to seal said chute when closed and permit the passage of said spherical objects when open and fluid pressure means comprising a cylinder and a piston therein operating a rod connected to said closure flap member and adapted to open and close said flap member, a cam on said rod and a detent element so operated by said cam upon movement of said rod as to prevent the downward movement of objects in said chute other than the one next adjacent the said flap member when said flap is open and to release said objects when said flap is closed.

2,045,430
HAND SHARPENER
Harry L. Winter, Detroit, Mich., assignor of one-half to B. F. Everitt, Detroit, Mich.
Application October 18, 1933, Serial No. 694,069
3 Claims. (Cl. 76—82.2)

1. A sharpener comprising a block formed with a blade contacting and guiding surface at its upper side and with an upwardly extending

ledge at one side of said surface forming a side seat with end ribs at the ends of said seat, a cutting strip of rectangular form in cross section seated against the side surface of said ledge, and means on said ledge for detachably holding said



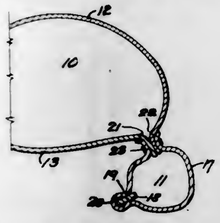
strip seated at its lower edge and laterally against said seat, said block being formed at its lower side with transverse finger engaging grooves, one for each of the first, second and third fingers of the operator's hand and prevent slipping of the fingers upon said block and a cavity in the upper side of said block adjacent said ledge.

2,045,431
PENCIL ATTACHED ERASER HOLDER
John J. Woessner, Maspeth, N. Y., assignor to Eberhard Faber Pencil Co., a corporation of New York
Application November 20, 1935, Serial No. 50,620
1 Claim. (Cl. 120—38)



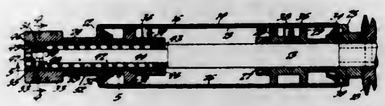
An eraser holder comprising a tube formed of a single piece of resilient material and of a diameter to frictionally telescopically fit over the end of a pencil or the like and having a longitudinal slit from end to end, said tube having a pair of integral resiliently flexible ears projecting longitudinally from one end thereof in diametrically opposite spaced relation and approximately equidistantly spaced from said slit, circumferentially of the tube, a disk of elastic erasive material between said ears, and a fastening device passing through said ears and disk and clamping the ears in frictional contact with the disk, said slit in the tube and resiliency of said ears permitting the tube to diametrically contract throughout its length and allow tight clamping of the ears against the disk, and the tight clamp of said ears and disk by said fastening device and the resiliency of the ears permitting but limiting diametrical expansion of the tube throughout its length, to control and ensure frictional engagement of the tube throughout its length with a pencil or the like.

2,045,432
HORSE COLLAR
Joseph J. Willman, Memphis, Tenn.
Application May 27, 1935, Serial No. 24,685
3 Claims. (Cl. 54—19)



1. A horse collar comprising a body and a rim, each having a cover, the cover of the rim in cross section being a single piece positioned with its two side edge portions facing and lapping two side edge portions of the cover of the body, each side edge portion of said rim cover being secured as by stitching to a lapped side edge portion of said body cover, the two lapping pairs of side edge portions being superposed; and thonging interlaced through said side edge portions to complete the joining of the rim to the body and form a neck between such body and rim.

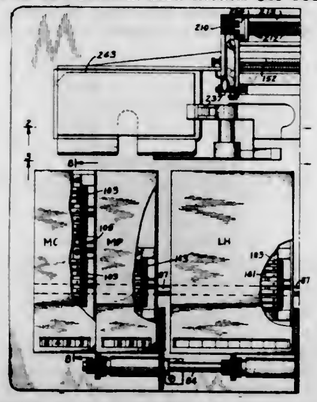
2,045,433
COP-TUBE HOLDER
John M. Wood, Cranston, R. I., assignor to Franklin Process Company, Providence, R. I., a corporation of Rhode Island
Application April 20, 1935, Serial No. 17,485
23 Claims. (Cl. 242—46.3)

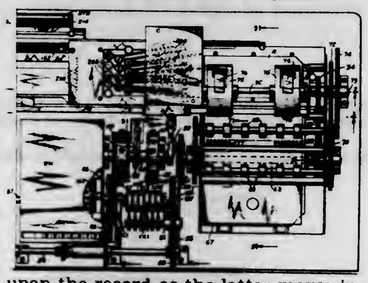


1. In a holder for cop-tubes of the type embodying an outer flexible sheath, the combination of a mandrel for receiving the cop-tube, and means permanently connected with the mandrel and adjustable with respect thereto to grip the ends of the sheath against the ends of the mandrel.

2,045,434
RECORD CONTROLLED ACCOUNTING MACHINE
James W. Bryce, Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application March 23, 1931, Serial No. 524,444
31 Claims. (Cl. 235—92)

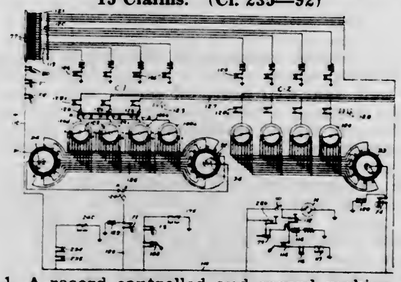
6. A record controlled accounting machine with means for presenting and moving a record in one direction with respect to the longer dimension of the record through the machine, means for sensing the index points of the record concurrently while it is moving in the aforesaid direction, means for changing the direction of movement of the record and for moving the record in such changed direction lengthwise of the longer dimension of the record, and means for recording





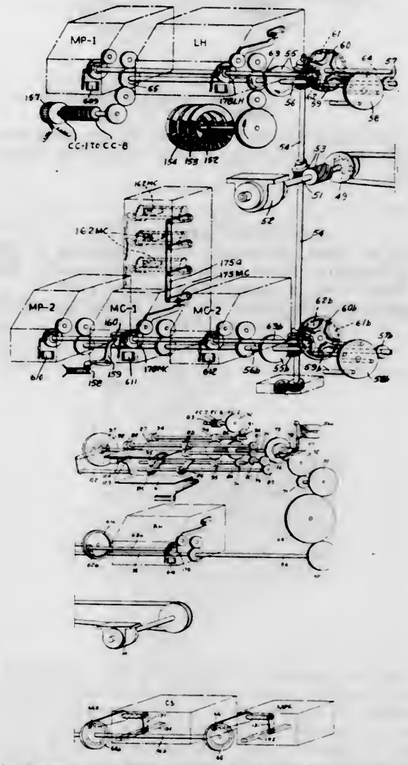
data upon the record as the latter moves in such changed direction.

2,045,435
RECORD CONTROLLED AND RECORD MAKING ACCOUNTING MACHINE
James W. Bryce, Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 27, 1931, Serial No. 577,439
15 Claims. (Cl. 235—92)



1. A record controlled and record making accounting machine with counters and with means for concurrently sensing at least two sets of item amounts from separate fields of a common record, means for concurrently entering the items into separate counters of the machine, means for gathering together the separate entered items into a single accumulation in one counter, means for reading out the accumulation from said counter and for recording such accumulation back upon the record from which the separate items were derived so that the records carry a cross summation of the two or more amounts originally appearing thereon.

2,045,436
ACCOUNTING MACHINE
James W. Bryce, Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application May 4, 1932, Serial No. 609,063
24 Claims. (Cl. 235—92)

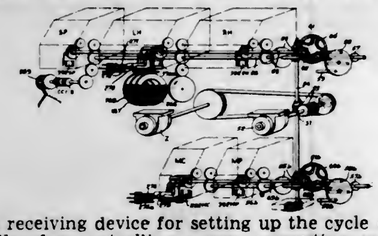


1. A machine with multiple entry receiving devices for four factors, multiplying means for multiplying said factors by pairs and result receiving means, means to control the multiplying means to produce true and complemental products, multiplication control means cooperating with the entry receiving devices and intermediate the entry receiving devices and the result receiving means for controlling the last mentioned means and for also directing into the result receiving means true computed products pertaining to two factors and complementary computed products pertaining to two other factors, said multiplication control means including means to effect such directed entries into the result receiving means in succession.

2,045,437
MULTIPLYING MACHINE
George F. Daly, Johnson City, N. Y., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 21, 1932, Serial No. 643,663
16 Claims. (Cl. 235—92)

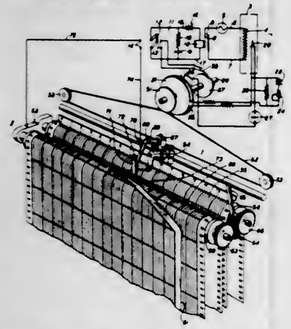
1. A record controlled accounting multiplying machine including a final product receiving de-

vice, and a cycle controller, means for effecting reset of the final product receiving device, and means controlled by the reset of the final prod-



uct receiving device for setting up the cycle controller for controlling a new computing operation.

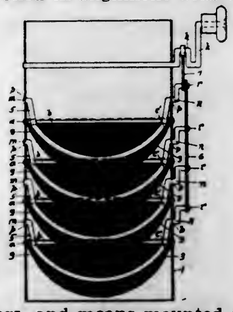
2,045,438
CONTROL APPARATUS
Paul P. Cioffi, Brooklyn, N. Y., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application December 19, 1934, Serial No. 758,170
10 Claims. (Cl. 236—46)



10. An automatic apparatus for producing a predetermined rate of change of a condition comprising, in combination, a galvanometer responsive to changes in the magnitude of said condition, a movable structure controlled by said galvanometer, a carriage moved thereby, a stylus on said carriage, a continuously driven drum, a program sheet of insulating material driven by said drum and engaged by said stylus, said program sheet being provided with conducting means outlined by portions of the insulating material in wave-line form which determines the application of the program to the apparatus for producing a change in the condition, and means in circuit with the stylus and last mentioned means for controlling said apparatus to produce the change according to the rate as determined by the program sheet.

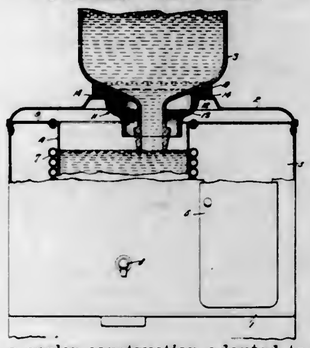
2,045,439
MULTIPLE FLOUR SIEVE
Arthur L. Clark, Detroit, Mich.
Application May 10, 1935, Serial No. 20,774
5 Claims. (Cl. 209—282)

1. A multiple flour sieve, comprising an elongated hollow casing, open at both ends and having a series of cup sieves fixedly mounted crosswise therein, one above the other, a flour agitator mounted above each of said cup sieves and projected therein, designed to engage and oscillate along the respective sieve surfaces, said agitators being formed with end crank member and positioned all in vertical alignment within the casing, crank means rotatably mounted on the casing positioned in alignment with the series of



flour agitators, and means mounted thereon for connecting said crank to all of the agitators, capable of oscillating said agitators on their respective mountings as said crank is rotated.

2,045,440
COOLER
Raymond W. Cole, Cranford, N. J., assignor to Cordley & Hayes, New York, N. Y., a corporation of New York
Application September 15, 1933, Serial No. 689,586
3 Claims. (Cl. 62—143)



1. In a cooler construction adapted to support an inverted bottle, a well, a housing surrounding the well, said well being off center with respect to the housing, a food compartment at one side of the well, a plate secured to the top of the well and extending across the balance of the housing, a removable cover for the housing above said plate, said cover having a central aperture through which the neck of an inverted bottle is adapted to extend, and generally annular cushioning means including a flange portion for seating said bottle on said cover and a portion extending downwardly and lying adjacent the edge of said aperture at its upper end and having its lower end below the top of the well adjacent a portion of the wall thereof.

2,045,441
EXTENSION TABLE
Joseph Cooper, New York, N. Y.
Application January 28, 1935, Serial No. 3,740
4 Claims. (Cl. 311—41)

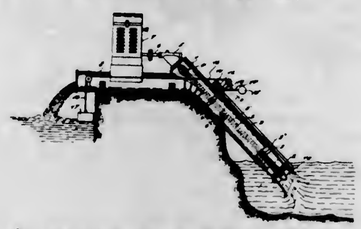
1. A table comprising a frame and supporting legs therefor, a normally overlying leaf, a guide block carried by the frame and projected

upwardly within said normally overlying leaf and abutting depending guide surfaces of the latter whereby said leaf may be bodily moved edgewise and in such movement guided by said block, a normally underlying leaf movable upon said frame from below the overlying leaf, a cam bar carried by said underlying leaf and having a shoulder, an inclined cam surface and a section projecting beyond said underlying leaf, a foot



carried by said cam bar, and a latching seat carried by said frame normally above the foot, whereby endwise movement of the underlying leaf to extended position will cause tilting and rise of the underlying leaf by engagement of the cam surface of said bar with a member of said frame and subsequent engagement of said shoulder with the frame, reverse tilting of said underlying leaf bringing its foot above said seat, and retraction of the leaf in a horizontal plane bringing the foot over upon the seat.

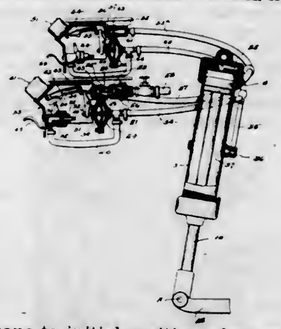
2,045,442
AERATING DEVICE
Royden O. Couch, Grant, Fla.
Application March 19, 1935, Serial No. 11,891
4 Claims. (Cl. 210—26)



1. An aerating device comprising, an intake pipe adapted to be inserted downwardly in a body of surface water, means for drawing liquid upwardly therethrough, and a conduit extending from a point above the surface of said water and having a connection at the lower end of said pipe below said means to permit the ingress of air into the latter.

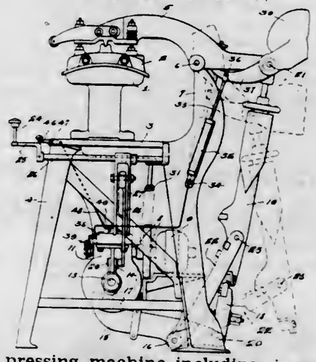
2,045,443
POWER ACTUATING MECHANISM FOR FABRIC PRESSES
Ernest Davis, Syracuse, N. Y., assignor to The Prosperity Company Inc., Syracuse, N. Y., a corporation of New York
Application January 20, 1928, Serial No. 248,257
Renewed March 7, 1935
30 Claims. (Cl. 121—38)

1. In a garment pressing machine, in combination, operating mechanism including a motor having a movable member; a first control valve means connected with the motor and having two valve means, a manual for each valve means, both of which must be operated to effectively supply motive fluid to the motor; a second control valve means normally in a position to exhaust the motive fluid from the motor, means connecting the second valve control means with the motor after a predetermined extent of movement of the motor member; and connecting means between the first control valve means and the second control valve means restoring the manuals for said first control



valve means to initial position when said second control valve means are operated.

2,045,444
PRESSING MACHINE
Ernest Davis, Syracuse, N. Y., assignor to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York
Application April 6, 1928, Serial No. 267,980
Renewed January 9, 1936
14 Claims. (Cl. 68—9)

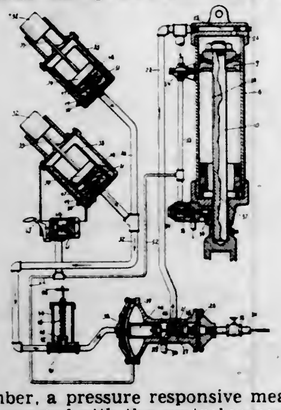


1. A pressing machine including, in combination, cooperating pressing elements, one of which is movable toward and from the other and has a preliminary closing movement and a final pressing movement, means for actuating the movable element into final pressing position after it has been preliminarily closed including a motor, motion transmitting means between the motor and the movable element, manually operated means for controlling the actuation of the motion transmitting means by the motor, and manually controlled means operated by the motor for moving the movable element through its preliminary closing movement.

2,045,445
ACTUATING MECHANISM FOR PRESSING MACHINES
Ernest Davis, Syracuse, N. Y., assignor to The Prosperity Company Inc., Syracuse, N. Y., a corporation of New York
Refile for abandoned application Serial No. 199,858, June 18, 1927. This application December 26, 1928, Serial No. 328,492
31 Claims. (Cl. 121—38)

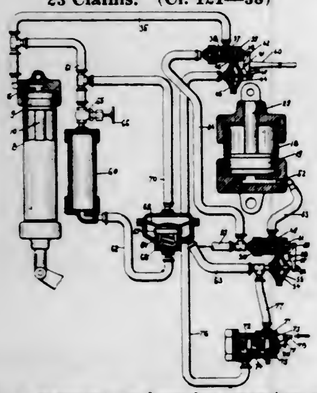
8. A control operating mechanism for power devices having a control means comprising a pair

of cylinder members, a manually operable plunger member in each cylinder member, one of said members being movable relatively to the other, reservoirs for a liquid connected with each cylinder member when the plunger member is in its initial position and the connection being cut off to trap a predetermined quantity of liquid within each cylinder during the movement of the mov-



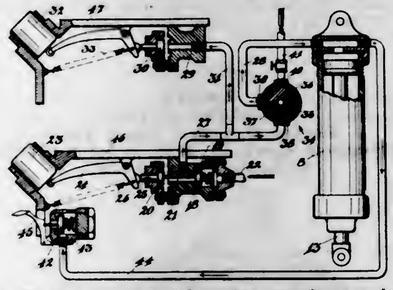
able member, a pressure responsive means operatively connected with the control means to actuate the same, the pressure responsive means requiring a predetermined quantity of liquid supplied from each cylinder to operate the pressure responsive means sufficiently to operate the control means, and connections between each cylinder and the pressure responsive means.

2,045,446
ACTUATING MECHANISM FOR PRESSING MACHINES
Ernest Davis, Syracuse, N. Y., assignor to The Prosperity Company Inc., Syracuse, N. Y., a corporation of New York
Application September 27, 1929, Serial No. 395,721
Renewed October 24, 1935
23 Claims. (Cl. 121—38)



1. In a garment or laundry pressing machine in combination cooperative pressing elements, one of which is movable toward and from the other to close and open the press; a fluid operated motor operatively connected to the movable pressing element for actuating the latter into preliminary closed position; a second motor operatively connected with the movable pressing element for closing the press from preliminary closed position to final closed position; a working fluid supply line; a first conduit connecting the supply line with the first motor; operator-actuated valve means for controlling the flow of working fluid through the first conduit; a second conduit connecting the supply line with the second motor; pressure operated valve means for controlling the flow of working fluid through the second conduit; a third conduit for supplying working fluid to operate said pressure operated valve means; and other valve means controlled by the pressures in the first and third conduits for controlling the flow of working fluid through the third conduit.

2,045,447
GARMENT OR IRONING PRESS
Ernest Davis, Syracuse, N. Y., assignor to The Prosperity Company, Inc., Syracuse, N. Y., a corporation of New York
Application March 25, 1930, Serial No. 438,865
12 Claims. (Cl. 68—9)

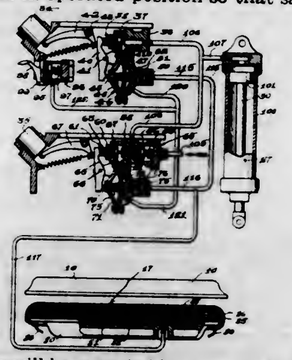


1. In a garment and laundry pressing machine, cooperating pressing elements which open and close on the work; means for opening and closing the press including a cylinder, a piston movable therein, and motion transmitting means connecting the piston with a movable element; a feed line for a motive fluid, a pair of control valves connected in said feed line and normally arranged to prevent the flow of motive fluid to the cylinder, said pair of valves being connected in the line so that both valves must be operated from their normal position to effect the flow of motive fluid to the cylinder, manual means for operating each valve, said pair of valves and the manual means being returnable automatically to their normal position when released, a third valve connected in the feed line between the pair of valves and the cylinder and normally arranged in open position, and connections operated by pressure against one of the pressing elements during the closing of the press for closing the third valve, means for opening the third valve during the opening of the press, and means operable to release the motive fluid from the cylinder to open the press.

2,045,448
PRESSING MACHINE
Ernest Davis, Syracuse, N. Y., assignor to The Prosperity Company Inc., Syracuse, N. Y., a corporation of New York
Application August 1, 1930, Serial No. 472,333
15 Claims. (Cl. 68—9)

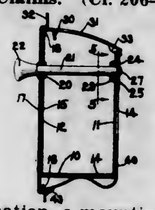
1. In a pressing machine, in combination, cooperative pressing elements adapted to open and close on the work; operating mechanism to open and close the press; control means operable to supply working fluid to the operating mechanism

to close the press; a conduit for supplying fluid to one of the pressing elements for escape through the face of said pressing element; means connected with the conduit for locking the control means in operated position so that said lock-



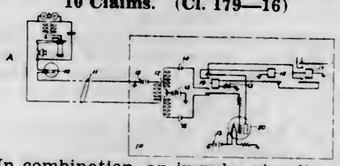
ing means will be operated by pressure built up in the conduit when the flow of fluid through the face of the pressing element is retarded as the pressing elements come into contact with each other.

2,045,449
ASH RECEIVER
Rudolph F. De Boer, Grand Rapids, Mich.
Application September 16, 1935, Serial No. 40,677
6 Claims. (Cl. 206—19.5)



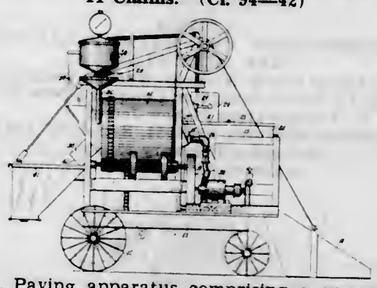
1. In combination, a mounting plate having an opening therethrough, a container, a detachable hinge member cooperatively associated with the mounting plate adjacent one edge of the opening, spring means for mounting the hinge member on the container, a knob attached to the container whereby the same may be moved about its hinge member, means for limiting the outwardly swinging movement of the container and means acting in conjunction with the knob for releasing the said limiting means.

2,045,450
SIGNALING SYSTEM
Thomas L. Dimond, Rutherford, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 16, 1935, Serial No. 6,783
10 Claims. (Cl. 179—16)



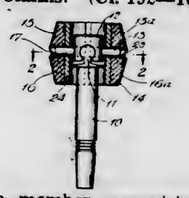
1. In combination, an impulse circuit, a three-element gas-filled tube, a first relay controlled by said tube, a second relay controlled by said tube, an impulse circuit controlled by said first relay, means responsive to impulses in said first impulse circuit for changing the potential of the control element of said tube to energize said tube, and switching means controlled by said relays for transferring the anode of said tube from the winding of one of said relays to the winding of the other of said relays.

2,045,451
MACHINE FOR PRODUCING PAVING AGGREGATES
Walter C. Elze, Forest Hills, N. Y., and John W. Davitt, Jersey City, N. J., assignors to Hauck Manufacturing Company, Brooklyn, N. Y., a corporation of New York
Application November 17, 1931, Serial No. 575,504
11 Claims. (Cl. 94—42)



1. Paving apparatus comprising a supporting vehicle, a rotatable mixing drum and means to load the same, a burner element adapted to introduce flame into the charging mouth of said drum, a chute for receiving the discharge from said drum, means to normally close said chute to return discharged material to the drum, and draft-inducing means associated with the closed-off portion of the chute and outlet portion of the drum.

2,045,452
CLUTCH
George W. Emrick, Brooklyn, N. Y.
Application May 5, 1934, Serial No. 724,110
14 Claims. (Cl. 192—107)

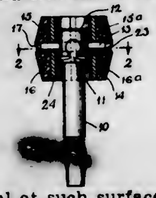


1. A friction member comprising a body of heat resisting fibrous material including a thermoplastic binder, and the binder being carbonized at the outer bearing surface of said body for a predetermined depth only of the body.

2,045,453
METHOD OF MAKING FRICTION CLUTCH ELEMENTS
George W. Emrick, Brooklyn, N. Y.
Original application May 5, 1934, Serial No. 724,110. Divided and this application July 12, 1935, Serial No. 31,020
12 Claims. (Cl. 192—107)

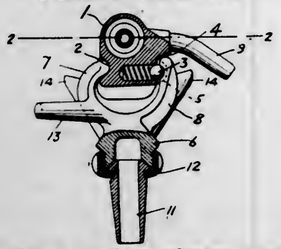
1. The method of manufacturing friction elements which consists in providing a unitary mass

of heat resisting fibrous material including a binder of permanently set thermoplastic material, and then locally applying heat treatment to a surface of said element to reduce the thermo-



plastic material at such surface to carbon for a predetermined depth of said element without impairing or destroying the fibrous material of said body at said surface thereof.

2,045,454
COMBINATION PNEUMATIC PULSATOR AND MILK CLAW
Sven Johan Erling, Nockeby, Sweden, assignor to The De Laval Separator Company, New York, N. Y., a corporation of New Jersey
Application February 23, 1934, Serial No. 712,666
In Sweden February 23, 1933
4 Claims. (Cl. 31—63)



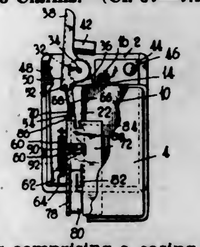
4. A milking machine cluster comprising a member having a milk receiving and discharging chamber and nipples extending obliquely upward therefrom, a separate pneumatic pulsator member, a vacuum tube and a pulsation tube extending from one side of the pulsator member, a holding device carried by the milk member and comprising arms rigid with and extending upward from opposite sides of the milking member and adapted to receive between them the pulsator member, and locking means carried by the pulsator and positioned on the side thereof from which said tubes extend and adapted to interlock with one arm of the holding device.

2,045,455
POLISH
George W. Flint, Chicago, Ill., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
No Drawing. Application March 16, 1934, Serial No. 715,939
9 Claims. (Cl. 134—24)

1. An emulsified composition of matter for polishing floors comprising approximately the following weight percentages of the following ingredients:

	Per cent
Carnauba wax	10.0
Triethanolamine	1.4
Oleic acid	1.4
Borax	1.0
Refined shellac	1.4
Ammonium hydroxide	0.2
Water to balance to	100

2,045,456
CIGARETTE LIGHTER
Irving Florman, New York, N. Y.
Application April 15, 1936, Serial No. 74,523
18 Claims. (Cl. 67—7.1)



9. A lighter comprising a casing divided along a substantially vertical plane into two sections, said casing having an opening in its top, said sections having vertical dovetailed joints along their vertical meeting lines to permit vertical sliding movement between the two casing sections, a fuel container carried by one of said sections, a wick extending above the top of said fuel container and located below the opening in the top of the casing, a cover pivotally mounted on the same section, said cover closing the opening in the top of the casing, and means operated by relative sliding movement between said sections to raise the cover and ignite the wick.

2,045,457
LIGHTER
Martin Gabritsch, Canon City, Colo.
Application June 12, 1934, Serial No. 730,301
1 Claim. (Cl. 67—7.1)

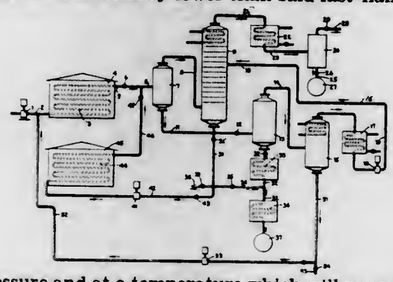


A lighter comprising a casing interiorly divided to provide a fuel chamber having a bottom partially inset from the bottom of the casing and a wick space laterally of the fuel chamber and beneath the inset bottom, a valve controlling an opening in the bottom of the fuel chamber communicating with wick space below the latter and consisting of a screw having an enlarged head provided with a kerf and a longitudinal slot in one side and the bottom of the casing having an opening in axial alignment with the opening in the bottom of the fuel chamber to provide access to the screw valve, a removable plug closing the opening in the bottom of the casing, a wick in the wick space and exposed at the top of the casing, a flint disposed adjacent the exposed portion of the wick, and a flint wheel rotatably mounted on the top of the casing and in contact with the flint.

2,045,458
TREATMENT OF HYDROCARBON OILS
Wright W. Gary, Great Neck, N. Y., and John T. Ward, Westfield, N. J., assignors to Gasoline Products Company, Inc., Newark, N. J., a corporation of Delaware
Application February 17, 1933, Serial No. 657,186
2 Claims. (Cl. 196—58)

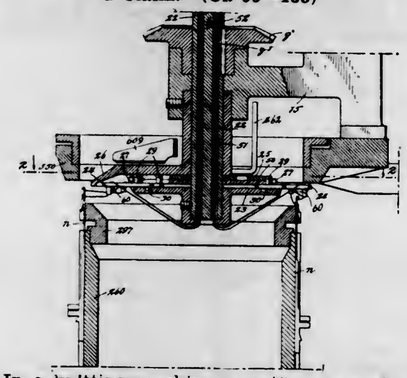
1. In the treatment of hydrocarbon oils to produce a fuel oil of desired viscosity and low pour point, the method which comprises subjecting a

hydrocarbon oil containing waxy constituents to viscosity breaking treatment at elevated pressure, evaporating the treated oil under temperature and pressure conditions which will retain substantially all of the waxy constituents within residual oil, fractionating the evaporated vapors into a light fraction within the normal gasoline range and a heavier gas oil fraction, distilling residual oil resulting from said evaporation under a pressure materially lower than said last-named



pressure and at a temperature which will vaporize waxy constituents contained in said residual oil, fractionating the distilled vapors into a heavier fraction containing the bulk of the waxy constituents and a lighter fraction, subjecting said heavier fraction containing the waxy constituents to said viscosity breaking treatment, and blending the residue resulting from said distillation with a portion of the heavier gas oil fraction resulting from said first-mentioned fractionation to produce a blended fuel oil product of desired viscosity and having a low pour point.

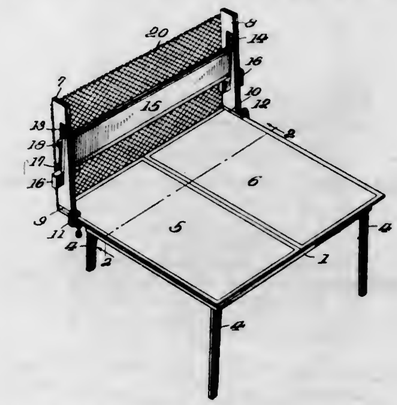
2,045,459
TWO-COLOR LAP STRIPE MECHANISM
James L. Getaz, Maryville, Tenn., assignor to Scott & Williams, Incorporated, New York, N. Y., a corporation of Massachusetts
Application April 2, 1931, Serial No. 527,269
1 Claim. (Cl. 66—135)



In a knitting machine, a pattern yarn finger mounted for oscillatory movement in a horizontal plane and having a plurality of yarn feeding eyes at the feeding end thereof feeding yarns at different elevations.

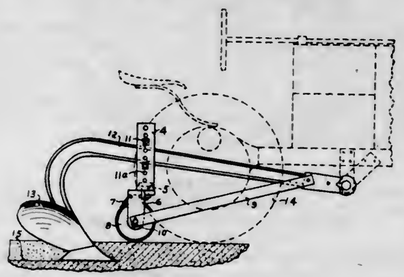
2,045,460
GAME
Harold W. Goewey, Baltimore, Md.
Application April 24, 1933, Serial No. 667,698
6 Claims. (Cl. 273—30)

1. A table tennis game comprising a table, a pair of obliquely arranged supports detachably mounted on said table at one end, a rebounding board carried by said supports and a net con-



necting said supports and supported thereby in an inclined position and forming inclined means for returning said ball to the player.

2,045,461
PLOW DEPTH GAUGE
John S. Goodman, Wichita Falls, Tex., assignor of one-half to George Hoyet Hamill, Grandfield, Okla.
Application June 17, 1935, Serial No. 27,114
1 Claim. (Cl. 97—189)

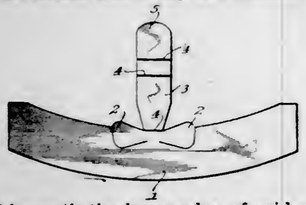


A depth gauge for plows and like implements comprising a standard, a frame pivoted to the standard, an axle mounted in the frame and having its ends projecting to receive braces, a broad faced wheel mounted on the axle and having its tread surface depressed, and provided at its sides with hubs, and guards at the sides of the frame extending across and in front and rear of the hubs of the wheel and open at the bottom.

2,045,462
COLLAR HOLDER
Max H. Gronauer, Memphis, Tenn.
Application May 22, 1934, Serial No. 726,977
2 Claims. (Cl. 223—83)

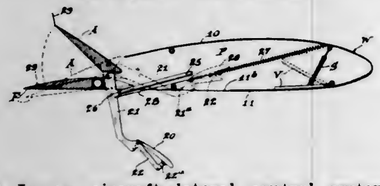
1. A collar holder of the character described which comprises an arcuate band to fit between the front portion of the collar and the front portion of the neckband, and an elongated retaining strip the length of which extends radially from the concave edge of said band, said strip adapted to be folded to lie adjacent the inner face

of the neckband and being of sufficient length to



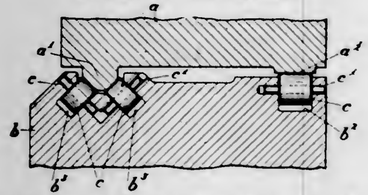
extend beneath the lower edge of said neckband.

2,045,463
AIRPLANE
Randolph F. Hall, Rochester, N. Y.
Application April 16, 1935, Serial No. 16,707
22 Claims. (Cl. 244—29)



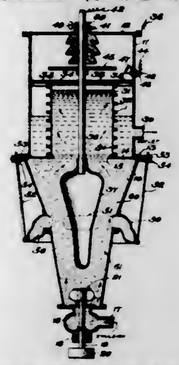
1. In an aircraft lateral control system, a pilot's control member movable to actuate the system for lateral control, a plate carried by said member and provided with a transversely disposed stud extending in fixed position from one side face of the plate, a push-pull member having a flattened end portion pivotally mounted on said stud and bearing against the adjacent face of the plate, a friction plate fitted over the stud and frictionally engaging the side face of the flattened push-pull member end opposite said plate, and a compression spring mounted on the stud and forcing the friction plate against the flattened end of the push-pull member to maintain the latter frictionally held between said stud plate and friction plate whereby rotation of the push-pull member on the stud is resisted.

2,045,464
SLIDE BEARING
Stanley Jaffa Harley, Stivichall, Coventry, England
Application September 22, 1933, Serial No. 690,598
4 Claims. (Cl. 308—6)



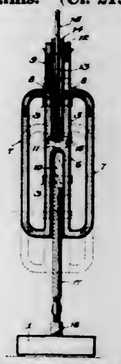
1. Relatively sliding upper and lower members, one of which has a longitudinal V-section groove, a V-section bearing rib carried by the other member and normally received in said groove, and one of said members being provided with a longitudinally extending plane bearing surface, in combination with a longitudinal series of spaced cylindrical bearing rollers rotatably carried by the other member and engaging said plane bearing surface in a plane between the opposed faces of said members, said rollers supporting the upper member, and the axes of said roller bearings being disposed at right angles to said rib and groove.

2,045,465
METHOD FOR BREAKING EMULSIONS AND APPARATUS FOR CARRYING OUT SUCH METHOD
Gerald L. Hassler, Pittsburgh, Pa., assignor to Gulf Research & Development Company, Wilmington, Del., a corporation of Delaware
Application June 15, 1934, Serial No. 730,805
11 Claims. (Cl. 204—24)



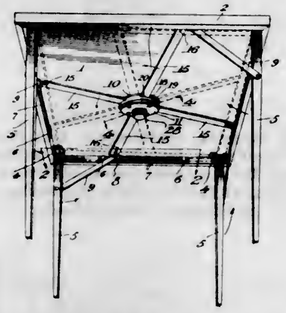
1. In breaking emulsions by passing them continuously through an electrical field, the improvement which comprises establishing and maintaining a permanent localized body of separated granules of sizes varying from relatively coarse to relatively fine, maintained in suspension in the emulsion in the field at approximately fixed levels depending on size, the granules serving to facilitate the coalescence of the emulsified liquid and to prevent chaining, and passing the emulsion through the body of granules in the field.

2,045,466
APPARATUS FOR HEATING AT CONTROLLED TEMPERATURES
Rudolph Hellbach, Washington, D. C.
Application March 29, 1935, Serial No. 13,789
4 Claims. (Cl. 219—38)



1. A heating device comprising, a fluid compartment adapted to contain a fluid, the fluid compartment having a body portion provided with a water leg and also an extension portion for supporting a substance undergoing heating, a heat source, means for moving the fluid compartment with respect to the heat source, said heat source being so arranged that on movement of the fluid compartment the heat source may be made to extend within the water leg, and means for controlling the heat generated by the heat source.

2,045,467
TABLE
Noble M. Hiser, Tucson, Ariz.
Application January 3, 1936, Serial No. 57,437
4 Claims. (Cl. 311—82)



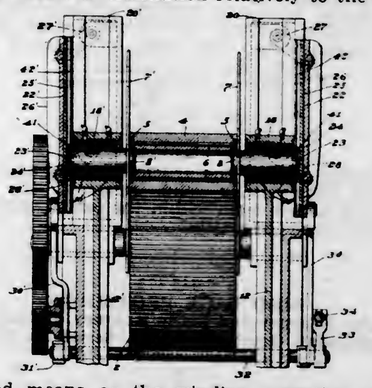
1. A table comprising a top, a flange depending from the outer edges thereof and having slots therein, means journaled to the under side of the top and including arms radiating therefrom with their free ends mounted in the slots to be guided thereby, brace strips having one of their ends pivotally secured to the legs and the opposite ends pivotally connected to the free ends of the arms, spring pressed locking means engageable with the arms and including recesses receiving the arms to prevent movement of the latter to hold the legs in set up position, and cam means for the locking means to move the latter against the action of its spring for releasing the arms.

2,045,468
INSULATING COMPOSITION
Artemy A. Horvath, Newark, Del., assignor to Wilmington Fibre Specialty Company, a corporation of Delaware
No Drawing. Application October 27, 1934, Serial No. 750,395
16 Claims. (Cl. 91—68)

15. An insulating composition comprising a vulcanized fibre body permeated with a water-repellent insulating condensation product of highly peptized and disintegrated soy bean protein, free from non-insulating and electrolyte materials.

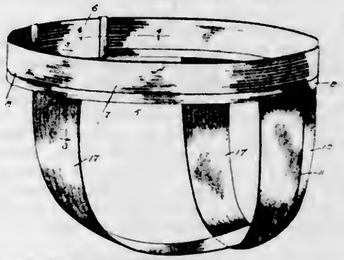
2,045,469
LAP WINDING MACHINE
Robert Molyneux Jones, Saco, Maine, assignor to Saco-Lowell Shops, Boston, Mass., a corporation of Massachusetts
Application April 23, 1934, Serial No. 721,918
11 Claims. (Cl. 19—158)

1. In a lap winding machine, the combination of a pair of winding rolls, two rotary clamping members for releasably engaging the opposite ends of a spool to center it in position to be revolved by said rolls, bearings supporting said members for rotation, means for guiding said bearings for bodily movement with the spool as the axis of the spool moves away from said rolls during the winding operation, means for pressing said spool and the material wound on it firmly against said rolls during said winding operation to produce a hard lap, and means for forcing said members endwise toward each other to clamp said spool between them, said members and said bearings being mounted to have a movement of translation relatively to the last



named means as the winding operation progresses.

2,045,470
REVERSIBLE ATHLETIC SUPPORTER
John T. Jordan, Chicago, Ill., assignor to Johnson & Johnson, New Brunswick, N. J., a corporation of New Jersey
Application December 15, 1933, Serial No. 702,619
1 Claim. (Cl. 128—160)

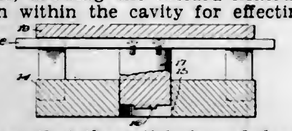


A reversible athletic supporter, comprising a main waistband section and abdominal supporter formed of elastic webbing doubled upon itself, the upper marginal edge of the waistband defining the line of fold and the lower marginal edges being relatively free and unattached throughout their extent, a separate elastic member joining the ends of the main section in such way as not to impair the relative elasticity of the parts, elastic fabric sections in consociated order of arrangement to provide a pouch and leg bands susceptible to reversal along with the waistband, the upper ends of the pouch and of the leg bands being received between the flaps of the waistband and all of said parts being joined by elastic stitching which insures continuous elasticity throughout the article.

2,045,471
METHOD OF PRODUCING MOLDED ARTICLES FROM CASEIN
Daniel Kasen, Newark, N. J., assignor of one-half to Louis A. Kasen, Newark, N. J.
Application April 24, 1936, Serial No. 76,283
17 Claims. (Cl. 18—47.5)

1. The method of making articles from casein, comprising heating uncured moldable casein material to a hot temperature, introducing the hot uncured moldable casein material into the cavity of a cool mold, subjecting the moldable

casein material while hot and within such cavity to an increasing molding pressure to mold the article, allowing the molded heated article to remain within the cavity for effecting heat



exchange so that the article is cooled and rendered substantially solid, removing the cool molded article from within the cavity, and curing the removed article.

2,045,472

BIRD CAGE PROTECTOR

James Kearney and Emily Kearney, Chicago, Ill.

Application October 30, 1933, Serial No. 695,919

2 Claims. (Cl. 119—17)



1. A bird cage protector comprising a fabric body having an outwardly bulged side portion extending into a substantially conical bottom portion, said body having an open upper portion, a hem secured to the upper edge of the upper open portion in a manner whereby the body is gathered, loops extending inwardly from the juncture of the hem with the body, means received in said loops for holding the upper portion in open position, and hook members received by some of said loops and being adapted for detachably securing the protector to a cage.

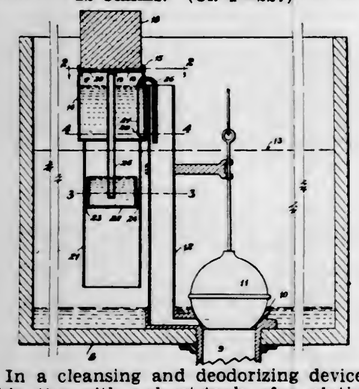
2,045,473

CLEANSING AND DEODORIZING DEVICE FOR CLOSET BOWLS

Joseph Dempster Keillor, Aylmer, Ontario, Canada

Application March 2, 1936, Serial No. 66,670

12 Claims. (Cl. 4—227)



1. In a cleansing and deodorizing device, the combination with a closet tank, of a solution receptacle, means for supporting a soluble chemical compound thereover, a vertical air cylinder disposed in the tank and adapted to be submerged when the tank is filled, the lower end of said cylinder being open and disposed above the level of the water remaining after discharge, a water reservoir in communication with the top of the cylinder, an eduction element extending from the reservoir to the chemical compound, and discharge means for said receptacle.

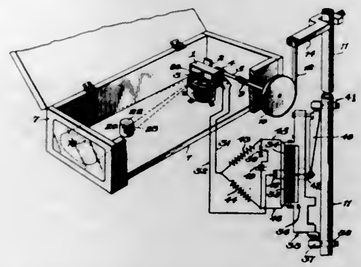
2,045,474

DYNAMOMETER

Emory N. Kemler, Pittsburgh, Pa., assignor to Gulf Research & Development Company, Wilmington, Del., a corporation of Delaware

Application August 9, 1934, Serial No. 739,176

9 Claims. (Cl. 265—1)



1. Apparatus for measuring strains in mechanism at all operating positions of the mechanism during operation and to produce a compound indication of strain and motion, said apparatus comprising means applied to an element of the mechanism under strain and producing an electrical response to rapid variations in strain without substantially affecting the operation of the mechanism, electrically operable means electrically connected to the strain responsive means and producing an indication in one direction proportional to the response of said strain-responsive means and means for simultaneously moving said indicating means in another direction, in a cyclically oscillating movement, proportionally to motion of a part of the mechanism so as to produce a compound indication proportional both to strain and to motion in the form of a closed diagram.

2,045,475

STABLE REDUCTION COMPOUNDS OF THE 4.7.4'.7'-TETRA - ALKYL - 5.5'- DIHALOGEN-THIOINDIGOS AND A PROCESS OF PREPARING THEM

Karl Krauss, Frankfort-on-the-Main-Fechenheim, and Alfred Hagenböcker, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application April 4, 1930, Serial No. 441,721. Renewed June 27, 1934. In Germany April 15, 1929

4 Claims. (Cl. 260—53)

1. The stable reduction products of the 4.7-4'.7'-tetramethyl-5.5'-dihalogen-thioindigos, the said products being stable to air and oxygen, being difficultly soluble in alkali and yielding prints in the usual way but also with considerably smaller quantities of the reducing agent than are required in the case of the dyestuffs proper.

2,045,476

PRINTING PREPARATIONS AND A PROCESS OF PRINTING WITH SAID PREPARATIONS

Karl Krauss, Frankfort-on-the-Main-Fechenheim, and Alfred Hagenböcker, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application April 4, 1930, Serial No. 441,723. Renewed April 26, 1934. In Germany April 15, 1929

9 Claims. (Cl. 8—6)

4. Printing compositions comprising a stable reduction product of a thioindigoide dyestuff, said stable reduction product being stable to air and oxygen, difficultly soluble in alkali and yielding prints in the usual way but also with a considerably smaller quantity of a reducing agent than is required in the case of the dyestuff proper.

2,045,477

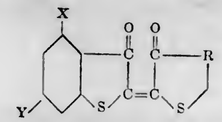
LEUCO VAT DYESTUFF PASTE FOR PRINTING CLOTH

Carl Krauss, Frankfort-on-the-Main-Fechenheim, and Alfred Hagenböcker, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application July 31, 1931, Serial No. 554,380. In Germany August 6, 1930

7 Claims. (Cl. 8—6)

1. As new compositions of matter, dyestuff pastes containing a compound of the group consisting of salts, oxides and hydroxides of iron, and zinc, and a stable leuco compound of a thioindigoid dyestuff of the following general formula:



wherein X represents hydrogen or an alkyl group, Y represents halogen and R stands for an aromatic nucleus bound in two adjacent positions, said pastes being especially adapted for printing purposes, said stable leuco compound being stable to air and oxygen, difficultly soluble in alkali and yielding prints in the usual way but also with a considerably smaller quantity of a reducing agent than is required in the case of the dyestuff proper.

2,045,478

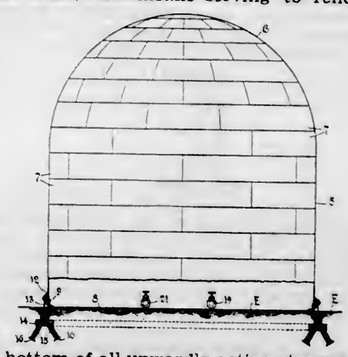
TANK

Paul M. Kuehn, Baltimore, Md., assignor to The Bartlett Hayward Company, Baltimore, Md., a corporation of Maryland

Application November 7, 1933, Serial No. 697,033

1 Claim. (Cl. 220—1)

A high capacity storage container for volatile liquids, comprising in combination a vertical-walled cylindrical body having a dome shaped top constructed to withstand internal vapor pressure; a flat bottom resting directly on the earth and of a thickness not substantially more than sufficient to withstand the gravitational load of the contents of the tank, said tank being constructed and proportioned so that its weight is less than the upwardly acting forces exerted upon it by the maximum permissible internal vapor pressure exerted by the volatilized matter in the tank; a direct non-yielding connection between the vertical tank wall and the bottom of the tank; and anchoring means connected to said vertical wall and to the earth for absorbing the upwardly acting stresses in excess of the weight of the tank, said means serving to relieve the



tank bottom of all upwardly acting stresses which tend to give the bottom a spherical configuration, whereby the thickness of said bottom may be reduced to a minimum.

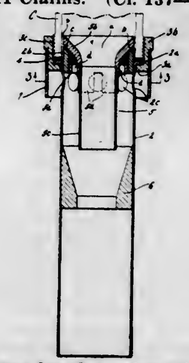
2,045,479

VACUUM BREAKER

Henry J. Luff, Cleveland Heights, Ohio, assignor to Mary A. M. Luff, Cleveland Heights, Ohio

Application November 11, 1935, Serial No. 49,120

11 Claims. (Cl. 137—111)



11. A vacuum breaker adapted to be disposed in the flush water supply line of a closet or like plumbing fixture, and comprising pipe means adapted for disposition between the fixture and its flush valve in said line, nozzle means disposed in said pipe means to provide a main passage for flushing water, and an auxiliary passage in parallel relation to said main passage, means movably mounted for variably restricting flow of flushing water in said auxiliary passage, said pipe means having an opening venting said auxiliary passage.

2,045,480

CLOSURE FOR BOTTLES, JARS, AND SIMILAR CONTAINERS

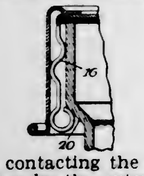
Charles D. Magnesen and Hooker Magnesen, Chicago, Ill., assignors to The Magnesen Seal and Closure Company, Chicago, Ill., a corporation of Illinois

Application July 31, 1933, Serial No. 682,920

5 Claims. (Cl. 215—45)

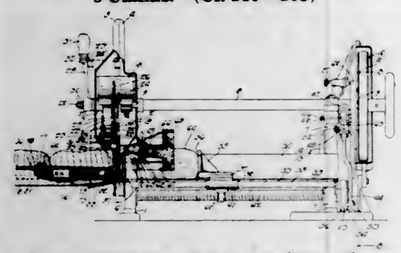
1. A closure comprising a top member adapted to cover the opening of a receptacle, a plurality of

relatively-narrow longitudinally-yielding fingers originating at and depending from said top member about the periphery thereof, each finger being formed with an outward resilient horizontal corrugation intermediate its ends and with an inwardly-curled resilient terminal portion, and an



outer member contacting the outward bulges of the fingers, whereby the outer member subjects said fingers to pressure occasioning longitudinal extension of said fingers to thereby compensate for irregularities on the underside of the shoulder of a receptacle to which said fingers may be applied.

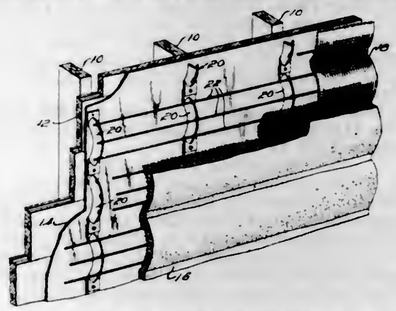
2,045,481
BREAD SLICER
William Mahler, La Porte, Ind., assignor to U. S. Slicing Machine Company, La Porte, Ind., a corporation of Indiana
Application January 19, 1931, Serial No. 509,744
5 Claims. (Cl. 146—103)



1. In a substance slicing machine, the combination with a rotatable arm, of a knife mounted to rotate on said arm eccentrically to the axis of rotation of said arm, and in a direction opposite to the direction of rotation of said arm, a substance support having the supporting surface thereof substantially perpendicular to a line drawn from the axis of rotation of said arm to the center line of said support, means for moving a substance along said support past the cutting plane of said knife substantially straddling equally said center line, and means including an eccentric mounted on the knife supporting arm for limiting the path of movement of said knife in such a manner that the knife does not pass entirely through the substance at the place where the cut is taken therein but leaves the substance connected only at the opposite edges of the same on the side of the substance away from the axis of rotation of said arm, said substance being connected by substantially equal portions at the opposite edges.

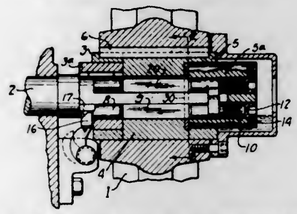
2,045,482
BUILDING STRUCTURE
Wellington W. Maier, Detroit, Mich.
Application August 22, 1935, Serial No. 37,283
8 Claims. (Cl. 72—17)

1. A building structure comprising, in combination, a supporting structure, a plurality of brackets secured to said structure in spaced relation and each having a predetermined curvature, a plurality of reinforcing rods extending between said brackets and supportingly engaged thereon, metal lath supported on said reinforcing rods and



brackets so as to follow the curvature of said brackets, and a finish material applied to said lath.

2,045,483
SAFETY DEVICE FOR CLUTCHES
Otto Mueller, Toledo, Ohio, assignor to E. W. Bliss Company, Brooklyn, N. Y., a corporation of West Virginia
Application December 9, 1935, Serial No. 53,605
4 Claims. (Cl. 192—29)



1. In a device of the class described, a drive member, a driven member, one of said members having a clutch recess, a clutch element carried by the other of said members and rotatable relative thereto into and out of clutch engagement with said recess, a guard means having a recess therein adapted to register with said clutch recess, and means normally urging said guard means to a position such that its recess is out of register with said clutch recess whereby the latter is covered a predetermined extent, said guard means being moved to the position of registry by an engaging movement of the clutch element into the uncovered area of the clutch recess.

2,045,484
PROP
Francis M. Needham, Pontiac, Mich.
Application January 28, 1935, Serial No. 3,862
1 Claim. (Cl. 248—353)

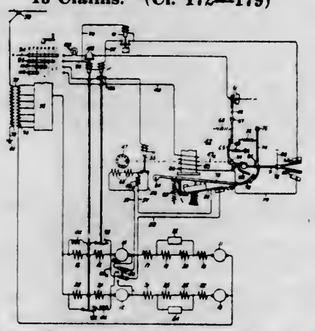
A prop for clothes lines comprising a bar having two converging faces, clothes line grippers on the two intervening faces comprising resilient strips of metal extending beyond the end of the bar and doubled upon themselves to define mating jaws having their ends free, there being a notch in the end of the bar receiving the ends of the jaws whereby excessive movement of the jaws is prevented by contact of the free ends of the jaws with the walls of the notch, the jaws presenting converging surfaces whereby they may be engaged with the line by pushing them upward against the line, the jaws being provided with

recesses to fit around the line so that the line will



be firmly held when engaged but may be released by pulling the prop downward.

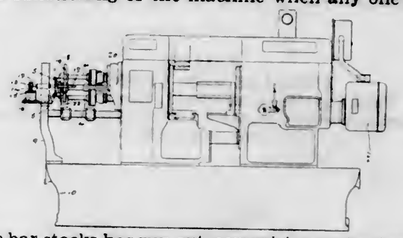
2,045,485
CONTROL SYSTEM
Harold S. Ogden and John J. Casby, Erie, Pa., assignors to General Electric Company, a corporation of New York
Application July 13, 1933, Serial No. 680,228
13 Claims. (Cl. 172—179)



1. The combination with a traction motor provided with an exciting field winding and an armature winding, a controller operable through a plurality of accelerating positions for accelerating said traction motor, of means responsive to the operation of said controller for initially accelerating said traction motor on reduced field, a relay responsive to the voltage across said armature winding of said traction motor for increasing the excitation of said field winding, and means responsive to the operation of said relay for disconnecting said relay from said armature winding thereby preventing injury to said relay due to the voltage existing across said armature winding during subsequent acceleration of said motor.

2,045,486
MULTISPINDLE AUTOMATIC LATHE OR LIKE MACHINE
William Ogilvie, Knowle, England, assignor to B. S. A. Tools Limited, Birmingham, England, a British company
Application September 3, 1935, Serial No. 39,008
In Great Britain May 3, 1935
3 Claims. (Cl. 29—37)

1. In multi-spindle automatic lathes and similar machines of the kind herein described having a shaft carrying an intermittently revoluble carrier, a plurality of hollow work spindles mounted in said carrier, pusher tubes slidably mounted in said work spindles and adapted to carry bar stocks, a spider fixed on the shaft of said carrier and supporting said pusher tubes in their outward position, a stop, and means for advancing one of said pusher tubes at the end of each complete revolution of said spindle carrier to feed the bar into contact with said stop, means for interrupting the functioning of the machine when any one of



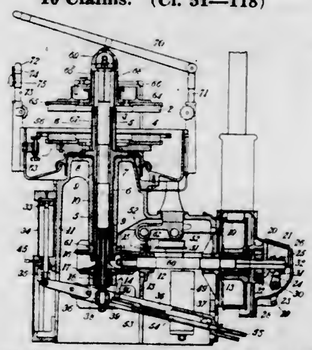
the bar stocks has run out, comprising spring loaded fingers hinged on the spider, and movable into an inoperative position by the pusher tubes when loaded with a sufficient length of bar stock and movable into an operative position when the length of the bar stock in any pusher tube is insufficient for another component, a trip mechanism arranged to be engaged by any one of the fingers when moved to the operative position, and an electric switch operative by said trip mechanism to interrupt the functioning of the machine.

2,045,487
SNAP CLAMP FOR LATHE CHUCKS
Martin H. Oslind, Warren, Ohio
Application February 5, 1936, Serial No. 62,522
4 Claims. (Cl. 279—123)



1. The combination with a chuck jaw having steps, of a clamp comprising a U-shaped member for bridging a selected step of said jaw, and tensioned ball latches carried on opposite sides of the said member and frictionally engageable with opposite sides of said jaw.

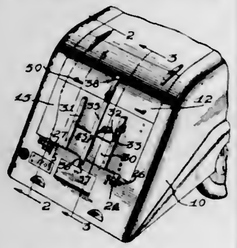
2,045,488
LAPPING AND HONING MACHINE
William Arthur Oubridge, Coventry, England
Application May 4, 1934, Serial No. 723,981
In Great Britain May 8, 1933
10 Claims. (Cl. 51—118)



1. A lapping and honing machine of the character described comprising a pair of relatively

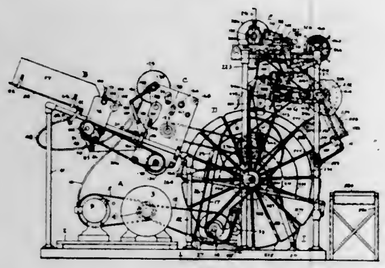
rotatable superposed laps, means for causing rotation of said laps, a work-holder located between said laps, and means extending through the rotational centers of both of said laps, said means being connected to one of said laps and being adapted to have movement in an axial direction with relation to the other of said laps to cause movement of the former lap in an axial direction with relation to said other lap.

2,045,489
ENDGATE FOR VEHICLES
Paul Payette, Outremont, Quebec, Canada
Application November 27, 1935, Serial No. 51,818
3 Claims. (Cl. 296—51)



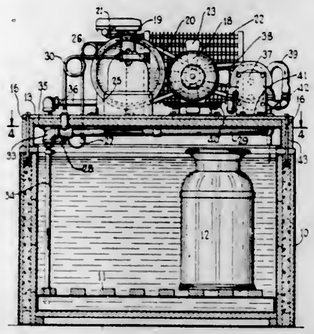
1. In a coal truck, a body having an end gate mounted at the rear thereof, means hingedly connecting the gate with the body, the said gate having a relatively small discharge aperture formed therein, a door slidably mounted on the gate and operable to close the discharge aperture therein, hooks on the body above and below said gate, and a bar engageable with the hooks of the gate and disposed to extend across the gate and door to releasably fasten the same.

2,045,490
ENVELOPE MACHINE
Lewis C. Pearce, Cleveland, Ohio, assignor to The Standard Envelope Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application September 4, 1931, Serial No. 561,244
7 Claims. (Cl. 93—61)



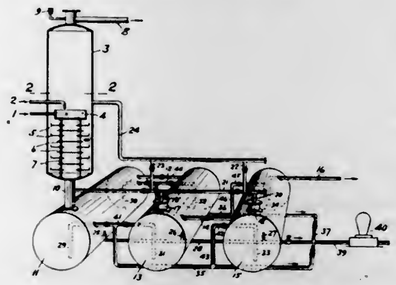
5. In apparatus of the character described, in combination, means for feeding envelopes, means for printing envelopes, means for receiving said envelopes and holding them in a position with their flaps uppermost, and means for applying fasteners to said envelopes, said last-named means comprising an anvil, and a fastener holder, said anvil being fixed to a cross arm connecting a pair of oscillatable rods, said holder being mounted on a second cross arm movable upon said rods.

2,045,491
MILK COOLER
Frank D. Peltier, Evansville, Ind., assignor to Servel, Inc., New York, N. Y., a corporation of Delaware
Application March 1, 1934, Serial No. 713,439
15 Claims. (Cl. 62—101)



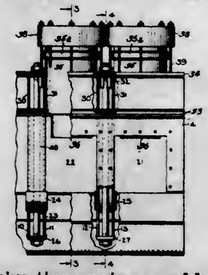
5. A milk cooler comprising a cabinet for containing a fluid in which articles to be cooled are adapted to be placed, a cover for said cabinet, a cooling coil suspended from said cover, a refrigerating unit supported by said cover and connected to the cooling coil in a manner to refrigerate the same, and means extending to the bottom of said cabinet for withdrawing fluid and for circulating said fluid in thermal contact with said cooling coil.

2,045,492
APPARATUS FOR CHEMICALLY TREATING TOPPED CRUDE OIL
Arthur E. Pew, Jr., Bryn Mawr, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Original application July 29, 1932, Serial No. 626,036. Divided and this application June 27, 1933, Serial No. 677,798
11 Claims. (Cl. 196—46)



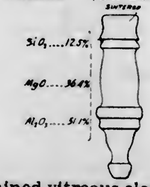
1. Apparatus for alkali treatment of topped crude oil comprising a tower and a settling tank, a mixing pan within the tower, oil and alkali solution inlets to the pan, a series of trays also within the tower but below the mixing pan, a vapor outlet from the tower above the pan, an oil passage from the tower to the settling tank, a sludge outlet from the settling tank and an oil outlet from the settling tank.

2,045,493
WELDED FRAME FOR COMBUSTION ENGINES
Johannes Radloff, Berlin, Germany, assignor to General Electric Company, a corporation of New York
Application November 27, 1933, Serial No. 699,983
In Germany December 14, 1932
2 Claims. (Cl. 121—194)



1. In a combustion engine a welded frame comprising a base and a cylinder support, the base having a casing comprising side walls made of plates and longitudinally extending channel irons, transverse plates having projections located in recesses defined by the channel irons, said plates being welded along their edges to said channel irons and side-wall plates, and anchor-rods for fastening the cylinder support to the base, the anchor-rods being fastened to the transverse plates whereby forces from the cylinder support are transmitted to the channel irons of the base without seriously affecting the welded seams along the edges of said transverse plates.

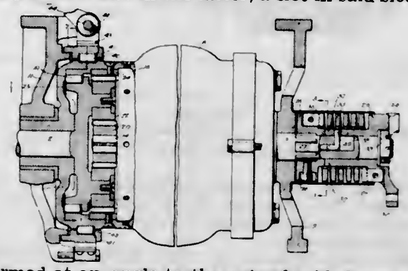
2,045,494
ELECTRICAL INSULATOR AND METHOD OF MAKING THE SAME
Frank H. Riddle, Detroit, Mich., assignor to Champion Spark Plug Company, Toledo, Ohio, a corporation of Delaware
Application November 8, 1933, Serial No. 697,097
11 Claims. (Cl. 123—169)



1. A fine grained vitreous electric insulator consisting essentially of the following constituents fired together: not over 25% silica, at least 30% alumina, and magnesia not over 60% and at least enough to form forsterite with all silica present and to form spinel with any excess of alumina over 40%.

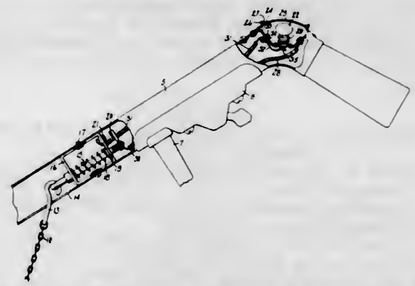
2,045,495
TRANSMISSION MECHANISM
John S. Sharpe, Haverford, Pa.
Application September 10, 1932, Serial No. 632,592
Renewed August 9, 1935
11 Claims. (Cl. 74—285)

1. In transmission mechanism, the combination with driving and driven elements, of means connecting said elements and adjustable to vary the speed and torque relation thereof, means for coupling said driving element with a source of power, said coupling means comprising a sleeve loosely mounted for rotation on said shaft, means for limiting the angular movement of said sleeve on the shaft, a spring connecting said sleeve with the shaft and normally opposing said angular movement, an operating rod for said adjustable means extending longitudinally and centrally through said drive shaft and terminating in a longitudinal slot in the latter, a slot in said sleeve



formed at an angle to the axis of said sleeve and registering with the slot in said shaft, and an element extending from the end of said operating rod outwardly through the said shaft slot and into the slot in said sleeve whereby a relative rotational movement of the sleeve on the shaft results in a longitudinal adjustment of said rod and a corresponding adjustment of said speed and torque-varying means.

2,045,496
VACUUM CLEANER
Charles K. Skinner, Southport, Conn., assignor to General Electric Company, a corporation of New York
Application September 27, 1934, Serial No. 745,717
5 Claims. (Cl. 177—311)

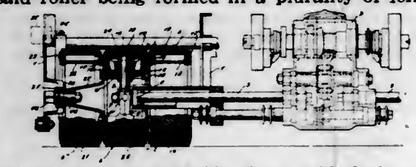


1. In a suction cleaner having a suction nozzle and means for creating a suction at the nozzle, a bag for receiving the dirt drawn through said nozzle, and means responsive to the weight of the bag and contents for indicating that the bag contains a predetermined quantity of dirt.

2,045,497
LAWN MOWER
Henry J. Stegeman, Fairfield, Conn., assignor to The Locke Steel Chain Company, Bridgeport, Conn., a corporation of Connecticut
Application April 21, 1934, Serial No. 721,759
32 Claims. (Cl. 56—7)

1. A lawn mower comprising a frame having a fixed bearing thereon, a shaft rotatably mounted in said bearing, a ground-engaging roller extending generally lengthwise of said shaft, and a pivot extending transversely of the shaft and supporting said roller on said shaft, thereby per-

mitting tipping of the roller parallel to said shaft, said roller being formed in a plurality of longi-

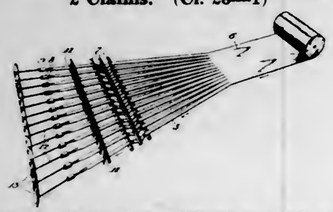


tudinal sections rotatable about said shaft relatively to each other.

2,045,498
METHOD OF CONDITIONING REGENERATED CELLULOSE FOR USE IN THE ARTS

William M. Stevenson, Springfield, Mass., assignor to Chicopee Manufacturing Corporation, New Brunswick, N. J., a corporation of Massachusetts

Application February 1, 1933, Serial No. 654,736
2 Claims. (Cl. 28—1)



1. The method of conditioning hard surfaced regenerated cellulose to adapt it to weaving, which consists in providing relatively narrow ribbons of that material, waxing a surface or surfaces of the ribbons while maintaining them in flat state, destroying the surface hardness of the ribbons without the application of twist by lapping the ribbons upon themselves thereby reversing their longitudinal edges, and immediately winding the lapped strands on individual bobbins.

2,045,499
METHOD OF AND MATERIAL FOR COATING METAL SURFACES

Robert R. Tanner, Highland Park, and Herman J. Lodeesen, Detroit, Mich., assignors to Metal Finishing Research Corporation, Detroit, Mich., a corporation of Michigan

No Drawing. Application June 4, 1934, Serial No. 729,030
15 Claims. (Cl. 148—6)

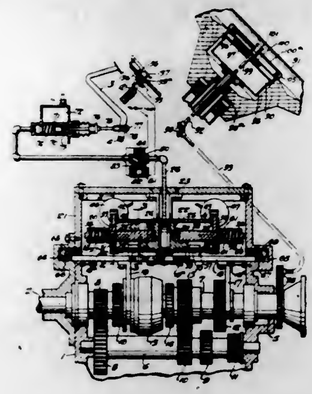
1. The method expediting a metal-coating solution which forms on a metal surface, by chemical reaction with the surface, a coating containing metal, and the coating action of which is expedited by the presence of NO_3 in the solution, which consists in adding to the solution a sulphate of a metal which enters into the coating and a substantially chemically equivalent amount of a nitrate of a metal which forms in the solution a sulphate which is substantially insoluble in the solution.

2,045,500
AUTOMATIC GEAR SHIFTING DEVICE

Edward John Thurber, New Orleans, La., assignor of one-half to Ralph K. Rothrock, New Orleans, La.

Application September 1, 1934, Serial No. 742,453
33 Claims. (Cl. 74—334)

1. Shifting mechanism for an automobile transmission mechanism embodying a plurality of shiftable gear changing elements, comprising fluid-pressure operative means for shifting said elements, solenoid-controlled means for directly connecting said fluid-pressure operative means to one or another of said elements, a speed con-

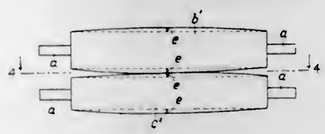


trolled and manually controlled electric switch connected to said solenoid-controlled means for controlling the same, and means for supplying fluid pressure to said fluid pressure operative means to actuate the same.

2,045,501
COLLOIDAL GRAPHITE SUSPENSIONS

Otto Albrecht Graf von Mandelsloh, Dresden, Germany, assignor to the firm Chemische Fabrik Florsheim vorm. Dr. H. Noerdlinger Aktiengesellschaft, Florsheim-on-the-Main, Germany

Application December 21, 1933, Serial No. 703,486
In Germany December 29, 1932
2 Claims. (Cl. 87—9)



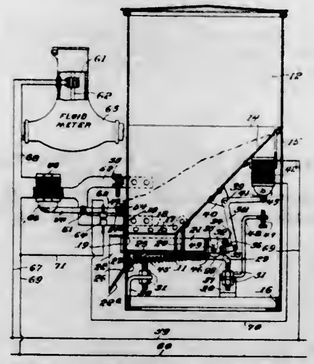
1. The method of producing a colloidal graphite suspension which comprises mixing graphite with a suspending medium and introducing the mixture between at least two spheroidal shaped rollers and simultaneously forcing said rollers together under sufficient pressure to deform their cylindrical walls into surface engagement to define a high pressure triturating zone and subject said graphite mixture to a pressure of approximately 1.5 kilograms per square millimeter, and rotating said rollers so as to triturate said mixture and break the leaves of said graphite in directions substantially normal to their major axes and bring the graphite into colloidal form, the area of engagement of said cylindrical walls being sufficiently great to preclude inadvertent escape of said graphite leaves from the triturating zone under the influence of said pressure.

2. The method described in claim 1, wherein the curvature of said spheroidal shaped rollers is approximately 50 μ.

2,045,502
PROPORTIONATE FEEDING DEVICE

John B. Wade, Los Angeles, Calif., assignor of one-half to Henry J. McKenzie, San Marino, Calif.

Application June 18, 1934, Serial No. 731,150
7 Claims. (Cl. 221—126)

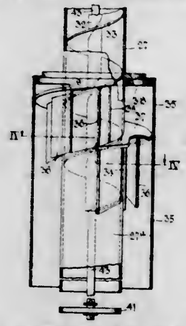


1. An appliance for the purpose indicated comprising a hopper having a discharge opening at its lower end, a movable pan under the discharge opening, a gate closing a lateral opening in the hopper and entering the pan, means to elevate the gate, means to thereafter project the pan, means to effect release of the gate to permit its movement to closed position, and means for thereafter retracting the pan, whereby the material carried forward by the pan on its projecting movement will be swept from the latter.

2,045,503
DUST COLLECTOR

Frederick H. Wagner, Baltimore, Md., assignor to The Bartlett Hayward Company, Baltimore, Md., a corporation of Maryland

Application January 17, 1935, Serial No. 2,296
8 Claims. (Cl. 183—85)

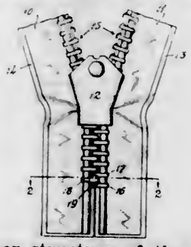


1. In a dust separator, the combination of a duct into which the gas to be cleaned is passed, said duct having at least one slot formed in the wall thereof; a plate extending freely into space and tangentially outward of the duct and to one side of the slot; and means for imparting a swirling movement to the gas stream as it passes through the duct, whereby the dust particles will be caused to move outwardly of the slot, impinge upon the plate and be arrested thereby, finally moving over and off the surface of the plate to the space below.

2,045,504
SLIDE OPERATED FASTENER

Jindrich Waldes, Prague, Czechoslovakia

Application January 24, 1936, Serial No. 60,621
In Germany June 11, 1934
4 Claims. (Cl. 24—205)



1. A fastener structure of the slide operated type comprising a pair of flexible supporting strips, a row of fastener elements on each strip adapted to interlock in interfingered relation with the row of fastener elements on the other strip, a slider adapted upon sliding movement thereof to effect closing and opening of the fastener structure and a stop permanently securing said supporting strips together at one end of the fastener structure and including at least two elements of one row of the interlocking elements and at least that element of the other row which is disposed intermediate the two elements of the opposite row in the interlocked position of such elements, said elements being interlocked in their effective locked position and soldering material permanently uniting said elements together in their effective locked position.

2,045,505
CENTRIFUGAL PUMP

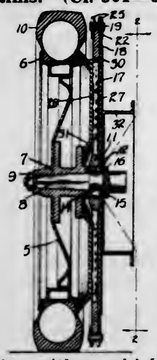
Evert J. Wendell, Wayne, Pa.

Application July 6, 1934, Serial No. 734,025
3 Claims. (Cl. 103—106)



1. In a series parallel centrifugal pump, a casing comprising an integral casting forming the foundation of the pump structure and containing the lower portions of a pair of axially aligned and separate impeller chambers together with a pair of substantially parallel and adjoining suction passages each extending inwardly from both of the opposite ends of said casting and respectively to the relatively remote axial ends of said chambers, a check valve in each end of one of said suction passages operable to permit flow only toward the associated impeller chamber; and a superimposed casing section containing the upper portions of said chambers together with discharge passages therefor extending above the said suction passages and including a hollow extension connected at its underside to the said foundation casting and forming a bypass between the discharge passage of one of the chambers and the suction passage of the other of said chambers, said other chamber being that one whose suction passage is provided with the check valves and said bypass communicating with said passage at a point between said valves, and a valve in said bypass operable to permit series or parallel operation of the impellers.

2,045,506
AUXILIARY WHEEL FOR AUTOMOBILES
Charles E. Whitehead, Pittsburgh, Pa.
Application May 6, 1935, Serial No. 20,062
2 Claims. (Cl. 301—38)



1. In combination with a vehicle wheel having an axle, a spoked auxiliary wheel rotatably mounted on the axle of said vehicle wheel, housing plates disposed on opposite sides of said auxiliary wheel and fixedly secured together, said plates having opposed channels forming pockets to receive the spokes of said auxiliary wheel, said pockets being relatively wide to permit limited movement of the spokes therein, and means connecting one of said plates to said vehicle wheel.

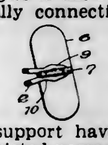
2,045,507
INSTRUMENT PANEL FOR CLOSED LIQUID HEATERS
Henry S. Woodruff, Schenectady, N. Y., assignor to General Electric Company, a corporation of New York
Application November 15, 1933, Serial No. 698,121
4 Claims. (Cl. 73—151)



2. A convertible steam and hot water boiler having an instrument mounting plate on the exterior of a side wall thereof and provided with a plurality of interchangeable steam and hot water instrument mounting connections communicating with the interior of the boiler, one or more instruments mounted on said plate for indicating boiler conditions, a heat insulating enclosing casing for the boiler having a separately removable panel provided with separate openings for registering with said instruments and provided with means for mounting the panel in a predetermined spaced relation with said instrument mounting plate.

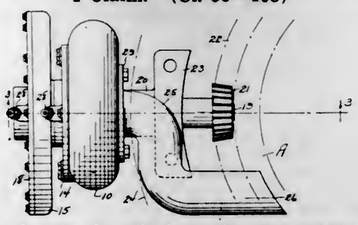
2,045,508
OPHTHALMIC MOUNTING
Alphus O. Yoe, Talladega, Ala.
Application March 7, 1935, Serial No. 9,858
5 Claims. (Cl. 88—49)

1. In eyeglasses or spectacles, a nose rest, a support for said nose rest, a rigid bar carried by said nose rest, a web portion extending substantially at right angles to the rear face of said nose rest and integrally connecting said bar to the



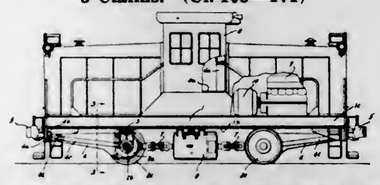
nose rest, said support having portions spaced to provide a restricted passage therebetween and adapted to straddle said web portion to detachably secure the nose rest to the support.

2,045,509
CLEANING DEVICE FOR CIRCULAR KNITTING MACHINERY
George W. Allred, Mayodan, N. C.
Application August 6, 1935, Serial No. 34,979
1 Claim. (Cl. 66—168)



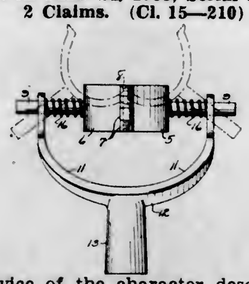
The herein described construction of cleaning attachments for the needles of rotary knitting machines, comprising a fan housing having a nozzle directed toward the needles of the knitting machine, a rotary suction fan in the housing which is provided with a stub shaft that carries a pinion, a casing to which the housing is removably secured and in which the stub shaft is journaled, a bracket carrying bearing integral with the casing and whose bracket is fixed to a stationary part of the knitting machine, a shaft journaled in the bearing and having a part to engage with a rotary part of the knitting machine for turning said shaft, a gear on said shaft in mesh with the pinion, and a removable closure plate for the casing.

2,045,510
LOCOMOTIVE
Arthur P. Armington, Willoughby, Ohio, assignor to The Euclid Road Machinery Company, Euclid, Ohio, a corporation of Ohio
Application December 13, 1935, Serial No. 54,219
3 Claims. (Cl. 105—171)



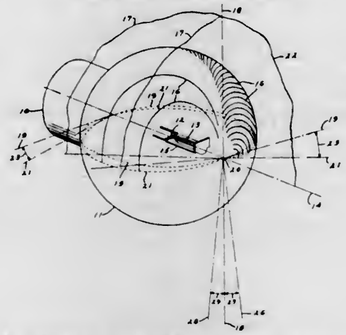
1. In a rail vehicle having a frame and driving axle means, means mounting said frame upon said axle means and including torque arm means locating said axle means longitudinally of said frame while permitting lateral motion of said axle means from a normal central position, said mounting means also including a resilient element arranged for flexure in one direction for vertical springing of said frame and for simultaneous flexure in a lateral direction to yieldably maintain said axle means in said central position.

2,045,511
POLISHING DEVICE
Thurman E. Babcock, Lansing, Mich.
Application June 24, 1935, Serial No. 28,205
2 Claims. (Cl. 15—210)



1. A device of the character described comprising a clamp having hinged jaws, a fork having side arms spaced from each other a distance greater than the size of the clamp, lugs projecting laterally from the jaws of the clamp and loosely fitting the side arms of said fork, springs carried on the lugs and arranged between the side arms of the fork and the jaws of said clamp and normally holding the jaws closed, and a handle fitted with said fork.

2,045,512
ELECTRIC INCANDESCENT LAMP
Jan Bergmans, Eindhoven, Netherlands, assignor to General Electric Company, a corporation of New York
Application June 18, 1934, Serial No. 731,148
In the Netherlands June 24, 1933
5 Claims. (Cl. 176—34)

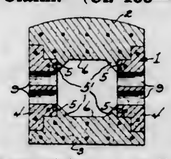


1. An electric incandescent lamp comprising a bulb having a plurality of flutes on the suface thereof for spreading the light transmitted therethrough, said flutes being located in planes having a common line of intersection which is tangent to the bulb.

2,045,513
PROCESS FOR SEPARATING VOLATILE ORGANIC COMPOUNDS FROM AQUEOUS SOLUTIONS
Pierre Berthélemy and François Baylocq, Paris, France, assignors to Société Anonyme Française said: "Les Produits Chimiques Purs," Paris, France
No Drawing. Application January 7, 1936, Serial No. 57,888. In France June 28, 1930
4 Claims. (Cl. 260—122)

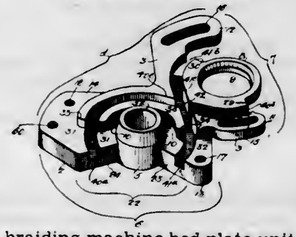
1. The process of producing in a high concentration an acid of the class consisting of acetic acid and its homologues, from an aqueous solution containing the same, which comprises adding to said solution a phenol to form a molecular association stable in the presence of and immiscible in water, separating said molecular association from the bulk of the water, heating the association at a temperature below its decomposition temperature but at or above the boiling point of water and maintaining said temperature until no more than about 5% of water, based on the acid in the association, is retained by or otherwise present with the association, and then heating the association to its decomposition temperature to liberate the acid from the association in a highly concentrated and pure state.

2,045,514
SEWER
Luther Bietz, Curwensville, Pa.
Application March 20, 1935, Serial No. 12,084
1 Claim. (Cl. 138—81)



A conduit comprising a unit including separable flat walls each having stepped faces, said faces of the top and bottom walls adapted to fit the faces of the side walls when said walls are assembled and which side and bottom walls are respectively of the same width and length and thickness, said side walls having water or sewage inlet openings adjacent to the longitudinal edges thereof, said walls at one end of the unit being cut away to form a recess having angularly disposed walls, said walls at the other end of the unit being cut away to form an extension having angularly related faces to fit the walls of a recess of an adjacent unit, said top and bottom walls having longitudinally extending integral ribs adjacent their stepped faces to receive the side walls thereagainst, and the outer faces of said ribs being beveled to prevent the formation of debris in the corners of the conduit and the outer edges of the ribs being arranged in a line with the opposed outer walls provided by the water or sewage inlet openings.

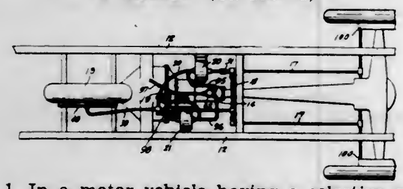
2,045,515
CONVERTIBLE BASE FOR BRAIDING MACHINES
Sidney B. Blaisdell, Wyncote, Pa., assignor to Fidelity Machine Company, Wilmington, Del., a corporation of Delaware
Application January 11, 1935, Serial No. 1,413
28 Claims. (Cl. 96—8)



21. A braiding machine bed plate unit comprising a base section, a supersection overhanging said base section at one end of said unit and

set-back over the base section at the opposite end of the unit, a pivot stud projecting from and perpendicular to the base section adjacent the set-back end of the supersection, and a pivot hub formed in the overhanging end of the supersection.

2,045,516
MOTOR VEHICLE CONTROL
Charles A. Brewer, Noroton Heights, Conn., assignor of one-half to Philip J. Kury
Application October 24, 1928, Serial No. 314,627
Renewed November 28, 1933
9 Claims. (Cl. 192—4)



1. In a motor vehicle having a selective gear transmission, a lever for shifting the gears, a clutch between the motor and the transmission, and a brake mechanism, independent power means for operating the brake mechanism and releasing the clutch respectively, an independent electrical control for each power means, a support for the lever, a hand grip for manipulating the lever, independent hand operated switches associated with said grip, the lever and switches each operable entirely independently of each other, electrical connections on the lower part of the lever in said support, conductors leading from the switches to said connections, sockets on the lever support, flexible conductors from said connections to the sockets, and flexible conductors detachably connected to said sockets and leading to the respective power means.

2,045,517
WATER-SOLUBLE PHENOLIC DERIVATIVES
Herman A. Bruson, Elkins Park, and Otto Stein, Lansdowne, Pa., assignors to Rohm & Haas Company, Philadelphia, Pa.
No Drawing. Application February 13, 1935, Serial No. 6,386
20 Claims. (Cl. 260—130)

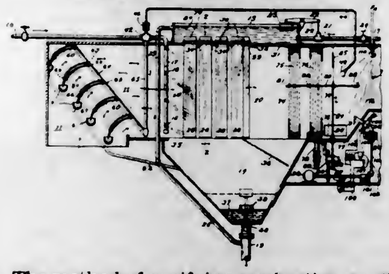
11. A water-soluble condensation product of (1) an alcohol containing a primary alcohol group, and (2) a member of the group consisting of the hydrohalide and sulfuric acid salts of complex phenolic amines obtained by the intercondensation of a phenol with at least molecular equivalent quantities each of formaldehyde and a secondary amine of the formula $X—NH—X_1$ wherein X and X_1 are each alkyl or ring methylene groups.

2,045,518
DISTILLATION TOWER
Victor M. Chatfield, Lansdowne, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a corporation of New Jersey
Application March 4, 1936, Serial No. 67,055
6 Claims. (Cl. 261—114)



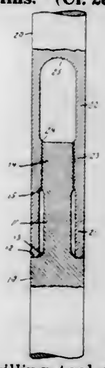
1. A bubble still tray comprising a bubble cap section, a liquid inlet section, a liquid outlet section, and a filler section having means therein to relieve excess pressure generated beneath the tray which cannot be relieved through the bubble cap section.

2,045,519
PURIFICATION OF GASES
Jay Gould Coutant, New York, N. Y.
Application December 21, 1933, Serial No. 703,385
11 Claims. (Cl. 261—115)



1. The method of purifying combustion or other hot gases in transit in a flue, comprising wet washing the gases to extract entrained solids and vapors, and treating the resulting fog, comprising water vapor particles with solid nuclei, by cooling to the dew point for partial precipitation of such particles, and thereafter treating the gases containing residue of water vapor particles by subjection to hot metal surfaces to cause gasification of the vapor and deposit of the solid nuclei on the surfaces, while methodically dislodging from such surfaces the solids received thereon.

2,045,520
CABLE TOOL JOINT
Gregory Caldwell Davison, New London, Conn.; Alice Lydia Shepard Davison executrix of said Gregory Caldwell Davison, deceased
Application April 8, 1931, Serial No. 528,577
2 Claims. (Cl. 287—125)



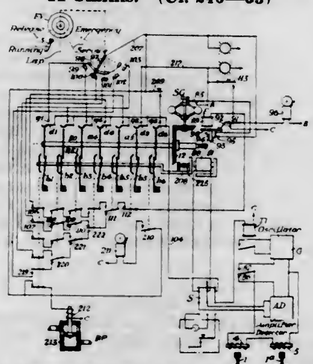
1. A pair of drilling tool members, a stem of reduced diameter extending from one end of one of the members forming a shoulder with the body of the member, an externally threaded pin above the stem of larger diameter at its base that that of the stem, a part of the other of said members being internally threaded to cooperate with said pin, and a collar extending from said threaded part to said shoulder, the internal diameter of said collar being of greater diameter than the external diameter of the stem, said internally threaded member being constructed with an elongated recess of greater diameter than that of the pitch circle of the threads adjacent the recess and the end of said recess being gradually reduced in section.

2,045,521
WIND DIRECTION INDICATOR
Andor de Hertelendy, Budapest, Hungary
Application February 25, 1935, Serial No. 8,155
In Germany April 30, 1934
4 Claims. (Cl. 73—55)



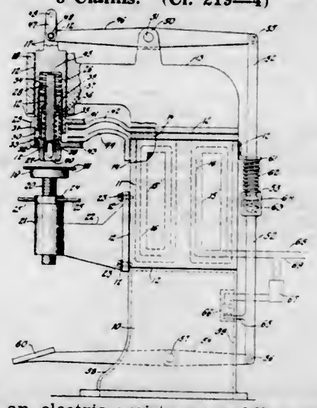
4. A device for the purpose indicated comprising a band, a parachute connected with one end of the band, and a reel or spool connected with the other end of the band and on which the latter and the parachute may be reeled, the band consisting of a fabric strip provided with terminal axially-aligned spreader sticks, so that the band may be folded on a longitudinal line passing midway between the adjacent ends of the spreader sticks, and a terminal stick at each end with which the spreader sticks at that end are connected by guy cords, the parachute being secured to one terminal stick and the reel having an anchor cord connecting it with the other terminal stick.

2,045,522
APPARATUS FOR THE CONTROL OF RAILWAY TRAIN BRAKES
Lee Devol, Forest Hills, Pa., and Austin M. Cravath, Berkeley, Calif., assignors to the Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 17, 1935, Serial No. 2,160
11 Claims. (Cl. 246—63)



1. In a railway train brake control system comprising the usual engineer's brake valve on the locomotive, an auxiliary brake controlling mechanism capable of reproducing a given function of the engineer's valve on another vehicle of the train, a source of current and a communication channel between the two locations; the combination with the above instrumentalities of a motor driven contact controlling element at each location each having a similar operating cycle, synchronizing means partly at each location operative to transmit current impulses between the two locations for starting an operating cycle of said elements substantially simultaneously, said means including a contact of the locomotive element closed only at the starting point of its cycle and a magnet on the other vehicle effective when energized to retard or advance its element to the starting point, and control means partly at each location governed by the engineer's brake valve operative to transmit current impulses from the locomotive to the other vehicle for causing the auxiliary mechanism to establish said given function, said control means including a contact of each element each of which contacts is effectively operated at the same predetermined time interval as measured from the starting point of the operating cycle.

2,045,523
ONE-FACE RESISTANCE WELDING MACHINE
Peter W. Fassler, Detroit, Mich.
Application April 15, 1935, Serial No. 16,320
5 Claims. (Cl. 219—4)

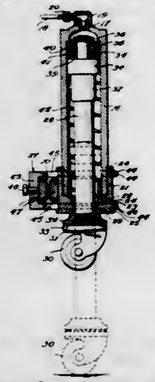


5. In an electric resistance welding machine, in combination, a spot type central electrode, a tubular electrode having an area of contact infinitely greater than that of said spot type central electrode, said central electrode telescopingly mounted in insulated relation concentric to and within the tubular electrode, means for first bringing and maintaining said tubular electrode in contact with one face of work to be welded together under a desired welding pressure, means for then bringing and maintaining said spot type electrode in contact with the same face of work to be welded together under a desired welding pressure, and automatic means responsive to said last mentioned pressure means for causing a flow of welding current through said electrodes and work when sufficient welding pressure has been applied thereto.

2,045,524
PNEUMATIC JACK
Walter A. Fehrmann, Vedado, Habana, Cuba
Application August 6, 1935, Serial No. 34,977
4 Claims. (Cl. 254—86)

4. In a pneumatic jack for motor vehicles, the combination with a motor vehicle axle, of a cyl-

inder, a screw cap forming a bottom for the cylinder, spaced circumferential shoulders on the cap forming stops, a U-shaped attaching clamp straddling the axle and having slots in the legs receiving said screw cap, the stop shoulders of the screw cap bearing against the legs of the clamp and preventing vertical displacement of



the cylinder on the clamp, spacer blocks embraced by the clamp and disposed on opposite sides of the vehicle axle, and a set screw carried by the clamp and engaging one of the blocks to force the cylinder against the end walls of the slots in the clamp and rigidly secure the cylinder to the axle.

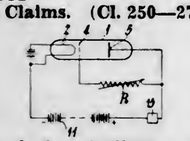
2,045,525

METHOD OF PRODUCING AND CONTROLLING A SPACE DISCHARGE

John Henry Owen Harries, Frinton-on-the-Sea, England

Application February 26, 1932, Serial No. 595,339. Renewed March 27, 1936. In Great Britain March 10, 1931

41 Claims. (Cl. 250—27)



1. The method of controlling a stream of electrons in a discharge tube having an anode, a cathode and an auxiliary electrode therebetween which consists in energizing the cathode to produce a supply of primary electrons, applying positive potentials to said auxiliary electrode and anode to direct such electrons in the form of an electron stream to the anode and causing such stream of primary electrons to traverse a distance between the auxiliary electrode and the anode at least equal to about the critical distance at which the anode break-down voltage at which the anode current becomes substantially saturated is in the neighborhood of the minimum whereby any secondary electrons radiated by said anode are prevented from reaching said auxiliary electrode even though the voltage of the anode becomes less than the voltage of the auxiliary electrode.

2,045,526

MULTIELECTRODE TUBE APPARATUS

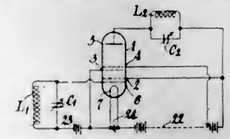
John Henry Owen Harries, Frinton-on-Sea, England

Application March 18, 1932, Serial No. 599,653

In Great Britain April 2, 1931

11 Claims. (Cl. 250—27)

1. An electron discharge device comprising an anode, a cathode, a plurality of auxiliary grid-like electrodes therebetween and a grid-like control electrode for controlling the intensity of the electron stream flowing from the cathode to the anode, the auxiliary electrode nearest the anode being spaced therefrom by a distance at least equal to about the critical distance at which the anode breakdown voltage at which the anode current becomes substantially saturated is in the neighborhood of the minimum whereby any secondary electrons radiated by said anode are prevented from reaching said auxiliary electrode even though the voltage of the anode becomes less than the voltage of the auxiliary electrode, circuits connecting said cathode and each of the remaining electrodes, means included in such cir-



cuits for applying different potentials to the various electrodes, an accelerating voltage being applied to at least one auxiliary electrode and a lower decelerating voltage being applied to the auxiliary electrode nearest to the anode, and an auxiliary electrode immediately preceding the auxiliary electrode nearest the anode being at or near cathode potential, the said grid-like control electrode being electrostatically shielded from the anode and having its connecting lead led out of the discharge device at the opposite end to the end at which the lead connected to the anode is led out, and input and output circuits being connected respectively to the said grid-like control electrode and to said anode.

2,045,527

ELECTRON DISCHARGE TUBE

John Henry Owen Harries, Frinton-on-Sea, England

Original application February 26, 1932, Serial No. 595,339. Divided and this application March 18, 1933, Serial No. 661,512. In Great Britain March 10, 1931

13 Claims. (Cl. 250—27.5)



1. An electron discharge device having an anode, a cathode and an auxiliary electrode therebetween, the auxiliary electrode and the anode being spaced apart by a distance at least equal to about the critical distance at which the anode breakdown voltage at which the anode current becomes substantially saturated is in the neighborhood of the minimum whereby any secondary electrons radiated by said anode are prevented from reaching said auxiliary electrode even though the voltage applied to said anode is less than the voltage applied to said auxiliary electrode.

2,045,528

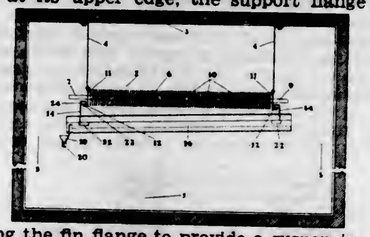
COOLING UNITS AND COMBINATION AIR CIRCULATOR AND DRIP PAN FOR THE SAME

Richard W. Kritzer, Chicago, Ill.

Application March 16, 1934, Serial No. 715,800

2 Claims. (Cl. 62—103)

1. In a combined finned cooling unit and drip pan for the same, the combination of, an end fin having a flanged portion at its lower edge, a support for the drip pan, and having a flanged portion at its upper edge, the support flange en-



gaging the fin flange to provide a suspension for the drip pan, and openings in the support.

2,045,529

COMBINED COOLING UNIT AND DRIP PAN

Richard W. Kritzer and Anthony F. Hoesel, Chicago, Ill., assignors to Peerless Ice Machine Company, Chicago, Ill., a corporation of Illinois

Application April 15, 1935, Serial No. 17,598

9 Claims. (Cl. 62—103)



3. The combination of a finned refrigerant conduit cooling unit having plural sections manifolded to a single inlet and mounted upon common spacing means, a multiple louvred drip pan below the assembly, and each bottom reach being served by a single louvre.

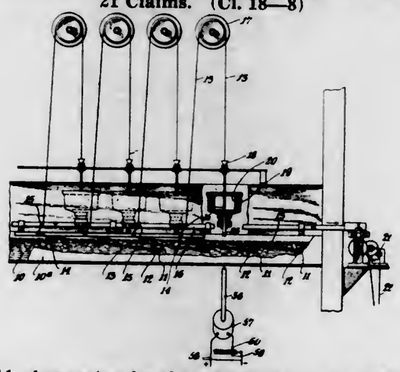
2,045,530

METHOD AND APPARATUS FOR MANUFACTURING ARTIFICIAL SILK

Frank Wilfred Mattinson, Utica, N. Y., assignor to Skenandoa Rayon Corporation, Utica, N. Y., a corporation of Delaware

Application January 14, 1932, Serial No. 586,553

21 Claims. (Cl. 18—8)



11. Apparatus for the manufacture of artificial silk yarn comprising, in combination, a spinnerette for ejecting viscose filaments into a coagulating bath, a guide for leading the coagulated filaments to a godet wheel, a godet wheel, a centrifugal spinning bucket for spinning the yarn into a cake, and means for progressively increasing the tension applied to the yarn in the course of spinning a yarn cake to compensate for decrease in tension on the yarn due to decreasing centrifugal force as the cake is spun.

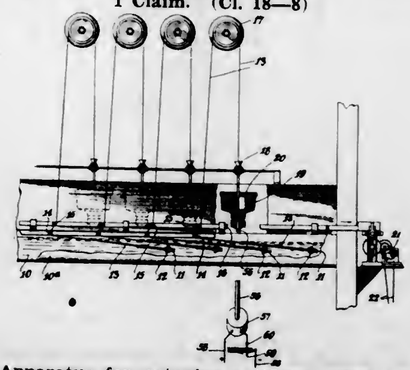
2,045,531

APPARATUS FOR MANUFACTURING ARTIFICIAL SILK

Frank Wilfred Mattinson, Utica, N. Y., assignor to Skenandoa Rayon Corporation, Utica, N. Y., a corporation of Delaware

Original application January 14, 1932, Serial No. 586,553. Divided and this application September 27, 1934, Serial No. 745,712

1 Claim. (Cl. 18—8)



Apparatus for spinning artificial silk having high uniformity of dyeing properties, according to the centrifugal spinning bucket method, comprising, in combination, a spinneret for ejection of artificial silk filaments, a spinning bath for coagulating the filaments, a godet roll for the filaments, a centrifugal spinning bucket for spinning the filaments into a yarn cake, and means for progressively increasing the speed of rotation of the spinning bucket during the course of spinning each yarn cake to compensate for decreasing tension which would otherwise be applied to the yarn because of diminishing centrifugal pull upon the yarn as the cake is spun.

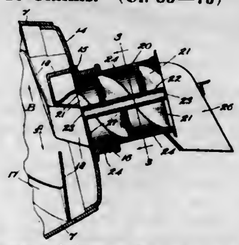
2,045,532

DISCHARGE MECHANISM FOR CONCRETE MIXERS AND ANALOGOUS APPARATUS

John C. Merwin and Charles F. Ball, Milwaukee, Wis., assignors to Chain Belt Company, Milwaukee, Wis., a corporation of Wisconsin

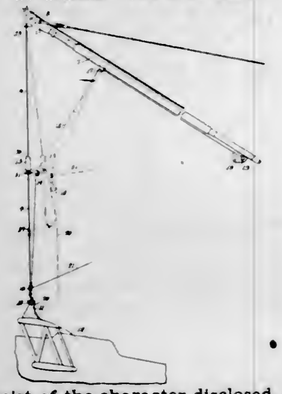
Application February 24, 1932, Serial No. 594,833

10 Claims. (Cl. 83—73)



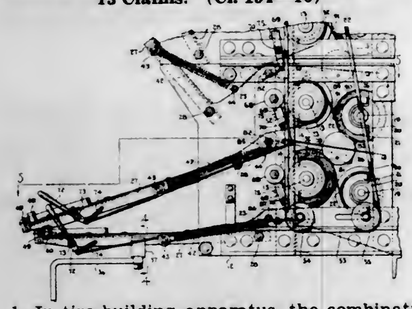
1. In concrete mixing and analogous apparatus having a rotatable agitation receptacle provided with a discharge opening, a perimetrically closed conduit open at both ends, secured to said receptacle in communication with and extending outwardly from said opening; and members within said conduit arranged to completely prevent direct axial discharge of the receptacle contents when said receptacle is charged with material to a level above the axis of said discharge opening.

2,045,533
HOISTING APPARATUS
John C. Smaltz, New York, N. Y., assignor to McKiernan-Terry Corporation, New York, N. Y., a corporation of New Jersey
Application May 4, 1935, Serial No. 19,761
17 Claims. (Cl. 254—135)



13. A hoist of the character disclosed, comprising in combination, a hoist line, an attachment hook at the end of the same and means for yieldingly supporting said hook independently of said hoist line.

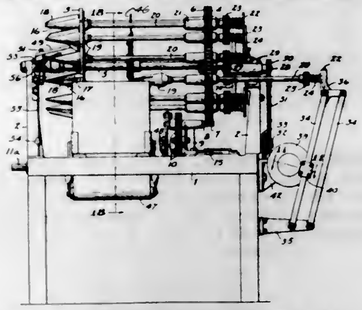
2,045,534
TIRE BUILDING APPARATUS
Horace D. Stevens, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application April 12, 1934, Serial No. 720,229
13 Claims. (Cl. 154—10)



1. In tire building apparatus, the combination of a rotatable turret, a vertical series of parallel, horizontally disposed, fabric supply rollers thereon, a similarly arranged series of liner rewind rollers associated with the respective fabric supply rollers, power means carried by the turret for driving the fabric supply rollers in one direction, to wind fabric and liner thereon, and means for selectively engaging the fabric supply rollers with said power means.

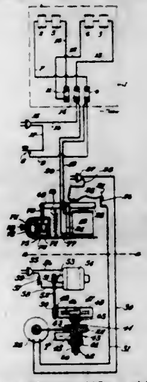
2,045,535
CONE ROLLING MACHINE
Carl R. Taylor, Cleveland Heights, Ohio, assignor to The Cream Cone Machine Company, Cleveland, Ohio, a corporation of Ohio
Application May 31, 1934, Serial No. 728,265
7 Claims. (Cl. 107—58)

1. In a cone rolling machine, the combination of a rotatable shaft, a mold carrying element secured to said shaft, a plurality of annularly arranged conical molds mounted on said element, a mandrel carrying element spaced from said first element and secured to said shaft, a plurality of annularly arranged rotatable and reciprocable mandrels supported by said mandrel carrying element, each mandrel having a conical rolling member registerable with a mold, means for continuously rotating said elements, means for reciprocating said mandrels at predetermined periods,



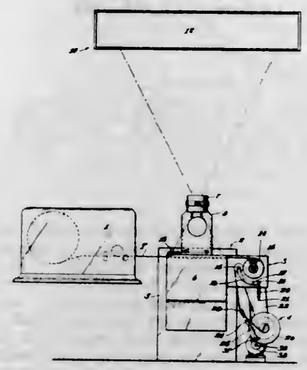
and means for successively rotating said mandrels during a portion of their annular travel comprising a pinion on each of said mandrels, and a drive gear offset with respect to the axis of said shaft to successively mesh with said pinions during rotation of said mandrel carrying element, a portion of the teeth of said drive gear being of partial depth only to facilitate disengagement of the pinions and gear during rotation of the mandrel carrying element.

2,045,536
TAPE DRAWING DEVICE
August D. Eitzen, New York, N. Y., assignor to News Projection Corporation, New York, N. Y., a corporation of New York
Application December 28, 1928, Serial No. 329,026
14 Claims. (Cl. 178—42)



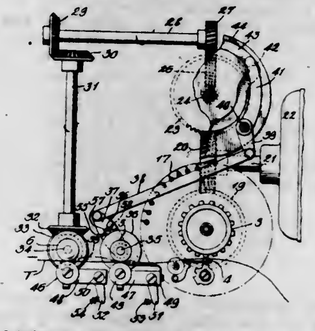
1. The combination with a ticker and a circuit therefor, of a tape drawing roller, a pressure roller for frictionally maintaining the tape in engagement with said drawing roller, a continuously operating electric motor, a clutch for drivingly connecting the motor with said tape drawing roller, a magnetic device for controlling said clutch, and an electric switch for controlling said magnetic device, said electric switch being operatively controlled by said ticker circuit.

2,045,537
STOCK QUOTATION PROJECTING MACHINE
August D. Eitzen, Flushing, N. Y., assignor to News Projection Corporation, New York, N. Y., a corporation of New York
Application May 13, 1930, Serial No. 451,921
41 Claims. (Cl. 271—2.3)



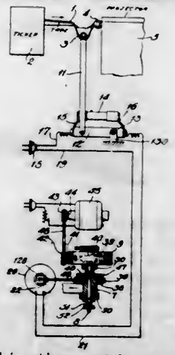
1. In a stock quotation projection machine, a tape smoothing device disposed at the anterior end of the light aperture of the projection machine, a tape pulling device for pulling the tape across the light aperture of the projection machine, a motor, a magnetic clutch for operatively connecting said tape pulling device to said motor, and a tension device for initiating the actuation of said pulling device independent of said motor.

2,045,538
STOCK QUOTATION PROJECTING MACHINE
August D. Eitzen, Rockville Centre, N. Y., assignor to News Projection Corporation, New York, N. Y., a corporation of New York
Application October 16, 1931, Serial No. 569,128
Renewed August 8, 1934
13 Claims. (Cl. 178—42)



1. A high speed motor driven ticker having a motor, a tape-printing mechanism and a continuously operated tape feeding roller operatively connected to said motor, and acting upon said tape in the order named, and an intermittently operated tape feeding roller providing an expendible and constantly renewed slack in the printed portion of said tape in advance of the continuously operated tape feeding roller during the transmission of a message and immediately preceding the actual impression.

2,045,539
TAPE DRAWING DEVICE
August D. Eitzen, Rockville Centre, N. Y., assignor to News Projection Corporation, New York, N. Y., a corporation of New York
Application May 28, 1935, Serial No. 23,819
12 Claims. (Cl. 271—2.3)



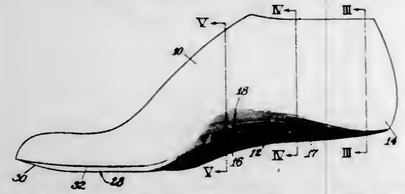
1. The combination with an intermittently operated tape feed, of a support, a tape puller for drawing the tape across said support as it is fed thereto, a continuously operating electric motor independent of said tape feed, a driving member operatively connected to said motor, a driven member operatively connected to said tape puller, said driving and driven members being operatively associated normally to drive with one another, a restraining means, a device engaging the tape and responsive to rock with varying tension in the tape, an electric circuit including an electromagnet and electric contacts, said electric contacts being movably associated with said device to close said electric circuit and energize said electromagnet, said electromagnet being operatively associated to control said restraining means, said device being actuated by the tension in the tape resulting when the feed to said support is arrested and the tape puller continues its pull on the tape in turn to effect the movement of said contacts to open said electric circuit to deenergize said electromagnet thereby to actuate said restraining means in turn to anchor said driven member against movement with said driving member.

2,045,540
MANUFACTURE OF FLEXIBLE TUBES
Rodolfo Debenedetti, Turin, Italy, assignor to Chicago Tubing & Braiding Company, Chicago, Ill.
Application May 11, 1933, Serial No. 670,589
In Italy May 25, 1932
12 Claims. (Cl. 154—8)



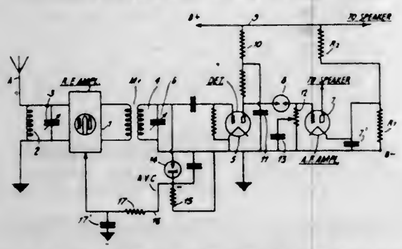
8. A method of manufacturing a flexible metal tube having a flexible core and an impervious layer on said core including the steps of stretching said core longitudinally, then placing said impervious layer thereon and then collapsing said core longitudinally to produce corrugations in said impervious layer.

2,045,541
LAST
Francis A. Guinivan, Marblehead, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application November 26, 1935, Serial No. 51,645
4 Claims. (Cl. 12—133)



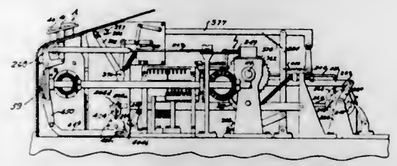
1. A last having that part of its bottom surface which corresponds to the portion of the foot beneath the anterior tarsal bones sloping upward at a substantial angle from the outer to the inner side of the last so that a shoe made on said last will have a correspondingly sloping bottom portion for supporting the tarsal bones including the astragalus and the os calcis in normal weight-bearing positions, and having its lower heel portion displaced relatively to its shank portion toward the inner side of the last so that the outer side of the heel portion of said shoe will tend to rotate the os calcis about an upright axis in a direction to swing the sustentaculum tali forwardly to lock the astragalus in normal position and thus to cooperate with said sloping bottom portion of the shoe in the treatment of pronation of the foot.

2,045,542
COMBINED NOISE SUPPRESSER AND TUNING INDICATOR
Winfield R. Koch, Camden, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application August 5, 1933, Serial No. 683,881
10 Claims. (Cl. 250—20)



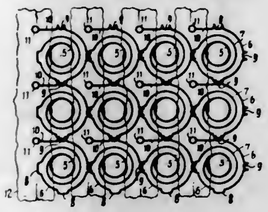
1. A radio receiver of the type including a detector and a succeeding audio amplifier, characterized by the fact that a gas discharge device is connected between the detector plate circuit and the amplifier input circuit, and means connected in the amplifier input circuit for biasing the amplifier to cut-off in the absence of signals, said discharge device being of such construction that it is rendered conductive and glows when signals are impressed on the detector input, said device additionally being connected between the detector plate and amplifier grid for transferring detected signal energy to the audio amplifier when conductive, and said device being connected to the amplifier grid in opposition to said biasing means for removing said amplifier cut-off bias when the device becomes conductive.

2,045,543
CONTROL DRIVE FOR PARCEL POST MACHINES
George W. Lawrence, Los Angeles, Calif., assignor, by mesne assignments, to Postal Automatic Machines, Inc., a corporation of Delaware
Application October 23, 1931, Serial No. 570,624
1 Claim. (Cl. 235—101)



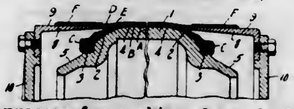
In a device of the character described, printing and registering mechanism, means to operate said printing and registering mechanism, keyboard clutch means adapted to be actuated to connect said operating means with said printing and registering mechanism to set up numerical combinations in said printing and registering mechanism, locking means preventing said connection of said operating means, means for releasing said locking means to permit the actuation of said printing and registering mechanism when a proper numerical combination has been set up by said keyboard mechanism, clutch-locking means for preventing the closing of said clutch means, means actuated by said registering mechanism for operating said clutch-locking means to prevent the closing of said clutch means and the connection of said operating means with said printing and registering mechanism, a manually operable key lock, and means controlled by said key lock for operating said clutch-locking means to lock said clutch means in disengaged condition.

2,045,544
SPRING STRUCTURE
Angelo Pittoni, Lynbrook, N. Y., assignor, by mesne assignments, to Burton-Dixie Corporation, a corporation of Delaware
Application June 1, 1934, Serial No. 728,546
3 Claims. (Cl. 5—271)



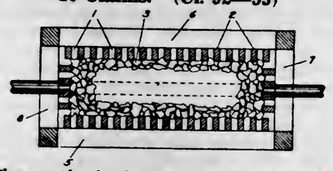
1. The combination in a spring structure of a plurality of individual helical spring units arranged in transversely and longitudinally extending rows, the end coil of each unit being of greater diameter than the main body portion and connected to said body portion by a convolution of relatively slight pitch, the end coil of each unit being hinged to the end coils of adjacent units by having the wire of one coil wrapped around the wire of an adjacent coil, and the ends of the spring wires being unknotted and extended into substantially the centers of the spaces framed by said units.

2,045,545
PROCESS AND APPARATUS FOR MAKING DRUM BUILT TIRES
Florain J. Shook, Akron, Ohio, assignor to National-Standard Company, Niles, Mich., a corporation of Michigan
Application October 30, 1933, Serial No. 695,774
7 Claims. (Cl. 154—14)



1. A process for making drum built tires in which the edge portions of the drum are of reduced diameter, consisting in applying the fabric over the surface of the drum from edge to edge in substantially flat condition, splicing the ends of the fabric over the whole surface thereof while supporting the lateral marginal portions of the fabric at the same diameter as the medial portion thereof, and subsequently forming the fabric over the reduced shoulders of the drum.

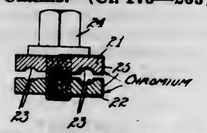
2,045,546
INSULATING BUILDING BLOCK
Charles J. Chaplin, Waterville, Maine, assignor to Chaplin Corporation, Portland, Maine, a corporation of Maine
Application August 26, 1935, Serial No. 37,894
10 Claims. (Cl. 92—55)



1. The method of retaining a mass of loosely packed insulating material in a predetermined shape which consists in placing the material in an enclosing structure having a plurality of openings and of encasing the material by depositing on the mass of the material a fibrous binder, for adherence to and confinement substantially to the exterior of the mass.

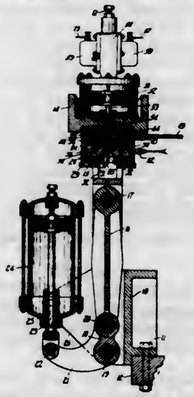
7. An article of the class described comprising a mass of insulating material and a fibrous coating surrounding said mass deposited thereon by suction, said coating being united to the mass and confined substantially to the exterior thereof.

2,045,547
JUNCTION CLAMP FOR ELECTRIC WIRES
Clarence E. Chatfield, Indianapolis, Ind., assignor, by mesne assignments, to William D. Hamer; Florence H. Hamer executrix of said William D. Hamer, deceased
Application April 4, 1929, Serial No. 352,350
8 Claims. (Cl. 173—263)



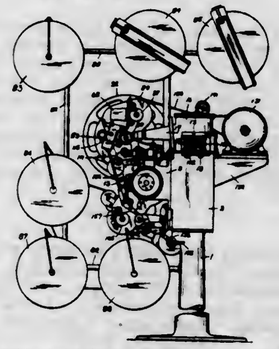
8. The combination with an aluminum conductor, of a metallic corrosion-resisting clamp, said clamp being constructed of a copper alloy provided with a surface coating of a metal close to aluminum in the electrolytic series and different from the metals of which the clamping members are composed, said coating contacting with said conductor.

2,045,548
PLASTOMETER
John H. Dillon and Raymond W. Allen, Akron, Ohio, assignors to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio
Application December 14, 1933, Serial No. 702,337
7 Claims. (Cl. 265—11)



3. In a plastometer, the combination of a stationary die formed with a cavity defined by a sharp-edged flange, a movable die formed with means cooperating with said flange to close said cavity and confine therein a piece of material sheared from a larger piece of plastic material when said dies are brought together upon said test piece, there being an extrusion orifice in one of said dies opening out of said cavity, a plunger having one end thereof normally flush with the surface of said cavity, and means for moving said plunger a determinate distance into said cavity to extrude material therefrom through said orifice.

2,045,549
CONTINUOUS FILM PRINTING MACHINE
Alan E. Freedman and August Zimmermann, New York, N. Y., assignors to De Luxe Laboratories, Inc., New York, N. Y.
Application January 25, 1932, Serial No. 588,670
16 Claims. (Cl. 95—75)



1. A continuous film printing machine comprising a base, a frame including a cylindrical portion having a circumferentially positioned exposure aperture therein, a picture exposure sprocket comprising peripherally toothed wheels axially spaced the width of said aperture and co-axially

mounted within said cylindrical frame portion, means for moving a negative film having a picture record thereon and a positive in overlying relation over said exposure sprocket, means for exposing said film through said aperture, means for alternately masking a portion of said aperture adjacent the inner edge of said sprocket wheels, a cylindrical open end casing having two circumferentially positioned exposure apertures extending from said frame, a sound exposure sprocket comprising peripherally toothed wheels axially spaced and positioned co-axially in the ends of said casing, means for moving a negative film having a sound record thereon and said positive film in overlying relation over said sprocket, means for exposing said last-named films through either one of said apertures, means for masking either of said apertures and means for simultaneously controlling said picture aperture and said sound aperture-masking means.

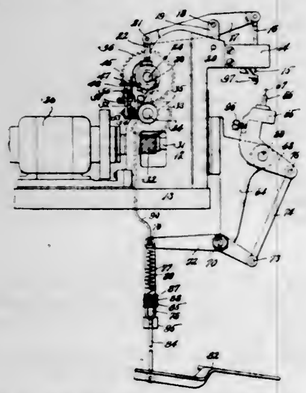
2,045,550

RIVETING MACHINE

Arthur R. Havener, Wayland, Mass., assignor to Judson L. Thomson Manufacturing Company, Waltham, Mass., a corporation of Massachusetts

Application November 20, 1934, Serial No. 753,853

10 Claims. (Cl. 218—2)



1. In a machine of the class described, the combination of a work support having a pair of depending bell-crank arms, said arms being pivotally mounted for moving said work support from a normally inoperative to an operative position, a foot treadle and treadle rod and means carried by said rod whereby a depression of the said treadle first moves the work support to operative position and then starts the machine in operation.

2,045,551

METHOD FOR PREVENTING FOAM

Carl Iddings, Staten Island, and John N. Kennedy, Brooklyn, N. Y., assignors to The Muralo Company, Inc., a corporation of New York

No Drawing. Application September 9, 1935, Serial No. 39,862

13 Claims. (Cl. 134—50)

4. A paint composition having an aqueous vehicle and possessing a normal tendency to foam having diethyl phthalate incorporated therein in sufficient proportions to serve as a defoaming agent.

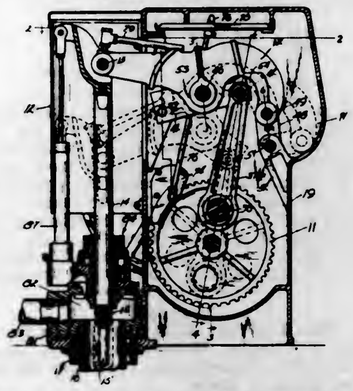
2,045,552

MECHANISM AND CONSTRUCTION FOR RECIPROCATING MACHINERY

John Mann, Seneca Falls, N. Y., assignor to Goulds Pumps, Inc., Seneca Falls, N. Y., a corporation of New York

Application February 24, 1933, Serial No. 658,240

17 Claims. (Cl. 74—41)



1. In a machine of the class described, a rotatable driving member, a driven member, a main lever through which motion is transmitted from the said driving member to said driven member, means for translating the rotary movement of said driving member into a substantially straight line reciprocatory movement for said driven member, a housing having a removable side and a fixed side by which said driving member and said translating means are enclosed, bearing supports for said rotatable driving member, said bearing supports being located on the fixed side of said housing and said rotatable driving member overhanging said bearing supports whereby when the removable side of said housing is removed, said driving member and said translating means are exposed and easily accessible.

2,045,553

STABLE REDUCTION PRODUCTS OF DYESTUFFS OF THE INDIGO SERIES, AND A PROCESS OF PRODUCING SAME

Eduard Mueach and Robert Wimmer, Ludwigshafen-on-the-Rhine, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware

No Drawing. Application September 10, 1932, Serial No. 632,634. In Germany September 18, 1931

8 Claims. (Cl. 260—52)

7. A stable reduction product of a tetrahalogeno-indole indigo dye, said reduction product being stable to air, insoluble in water, and yielding prints in the usual manner but with smaller amounts of reducing agent than required in the case of the dyestuff proper.

2,045,554

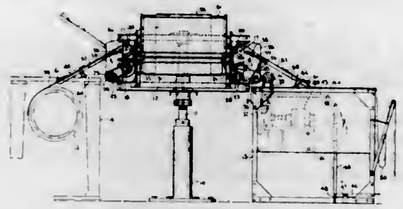
TIRE BUILDING APPARATUS

Edward L. Heid, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a corporation of Ohio

Application April 12, 1934, Serial No. 720,230

1 Claim. (Cl. 154—10)

In apparatus of the character described, the combination of a supply roll of liner and tire-building fabric, a liner rewinding roll associated therewith, means for moving said rolls between a fabric-receiving station and a fabric delivery station, drive means comprising a friction disc connected with said supply roll, a constantly



driven motor at the fabric-receiving station, a friction disc driven thereby, and manually operated means for moving the last-mentioned friction disc into driving engagement with the first-mentioned friction disc.

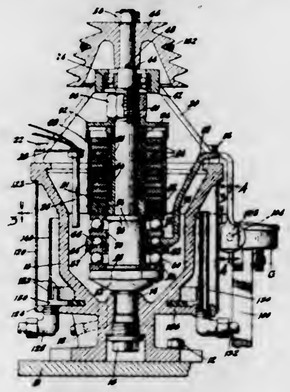
2,045,555

MEANS FOR TESTING LUBRICANTS

John O. Almen, Royal Oak, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application February 17, 1933, Serial No. 657,212

3 Claims. (Cl. 265—10)



1. In apparatus for testing lubricants, the combination of a container for liquid; an upright shaft rotatable therein; means for rotating the shaft at predetermined speeds; a lower abutment on the shaft; a lower ball thrust bearing comprising a driving race centered on the shaft and resting on the abutment; an upper ball thrust bearing comprising a driving race centered on the shaft; adjustable pressure means mounted to rotate with the shaft and bearing against the upper driving race; a torque transmitting member disposed between said ball thrust bearings, said member having a plurality of ball seats and balls in said seats in contact with the inner races of both thrust bearings, and an arm extending to the exterior of the container; a spring for resisting movement of the arm in the direction of rotation of the shaft, and means to measure the torque on said member due to friction between the inner races and balls in said torque transmitting member.

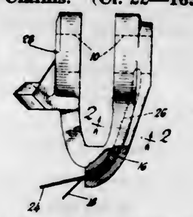
2,045,556

COLLAPSIBLE MOLDING CORE

John O. Almen, Royal Oak, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application January 8, 1934, Serial No. 705,662

8 Claims. (Cl. 22—165)



6. In a molding core, a spiral cotton covered wire, said cotton impregnated with a binder.

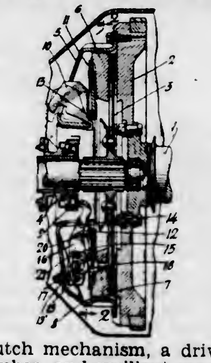
2,045,557

CLUTCH MECHANISM

John O. Almen, Royal Oak, and Andrew Laszlo, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application May 19, 1934, Serial No. 726,440

8 Claims. (Cl. 192—105)



1. In a clutch mechanism, a driving member, a driven member, and resilient means yieldingly urging the driving member and the driven member into driving engagement, said resilient means having an inherent, substantially zero rate, within its operating range.

2,045,558

CONTROL FOR TORIC FRICTION TRANSMISSION

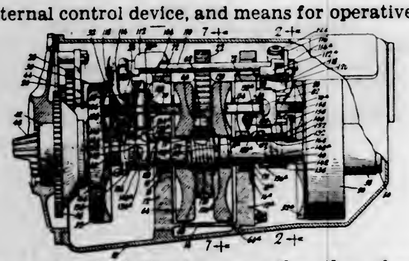
John O. Almen, Royal Oak, and Winfield D. Gove, Detroit, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application December 20, 1934, Serial No. 758,394

25 Claims. (Cl. 74—200)

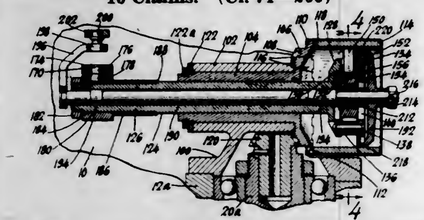
1. In friction transmission mechanism, the combination of a race capable of rotating in either sense of rotation, a roller, the periphery of said roller being in power transmitting engagement with the race and its axis lying normally in a radial plane including the race axis and the roller center; a roller carrier; two independently operative means respectively arranged to transmit force to the carrier for moving it to cause the roller axis to move out of said radial plane, an

external control device, and means for operatively



connecting the latter to one or the other of said independently operative means.

2,045,559
SERVOMOTOR MECHANISM
Winfield D. Gove, Detroit, and John O. Almen, Royal Oak, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 31, 1935, Serial No. 4,220
16 Claims. (Cl. 74—200)



1. The combination in a servo-motor mechanism of an outer hollow race having an internal friction surface, a plurality of rollers in rolling engagement with said internal friction surface, an inner race concentric with said outer race the external surface of which is in frictional engagement with said rollers, means for applying power to rotate one of said races, an axially movable power output member in which the rollers are inclinably mounted, and control means adapted to incline the rollers about axes passing through their centers and the points of contact with the races.

2,045,560
PROCESS FOR CONVERSION OF ALCOHOLS TO ETHERS
Merrell Robert Fenske, Pennsylvania State College, Pa.
No Drawing. Application March 7, 1931, Serial No. 520,996
7 Claims. (Cl. 260—151)

1. In the process of converting alcohols to ethers, the step which comprises subjecting the alcohols which contain non-oxidizing mineral acids as catalytic dehydrating materials, which catalysts are in the same phase as the alcohol, in a flow system to temperatures of about 250° C. to about 350° C., and to pressures of about 1000 to about 5000 pounds per square inch.

2,045,561
EVACUATED ELECTRIC DISCHARGE VESSEL
Colin James Smithells, Bushey, England, assignor to The M-O Valve Company Limited, London, England
Application August 28, 1933, Serial No. 687,158
In Great Britain September 1, 1932
3 Claims. (Cl. 250—27.5)



2. An evacuated electric discharge tube comprising a flattened tubular thin walled metal anode forming part of the envelope of the tube, said anode being oval in cross section with transverse long and short axes and having walls so thin that the anode is subject to collapse under atmospheric pressure with elongation of said long axis, and a cooling sheath closely surrounding said metal anode and in pressure engagement therewith at opposite ends of said long axis for preventing collapse of the anode and elongation of said long axis under atmospheric pressure.

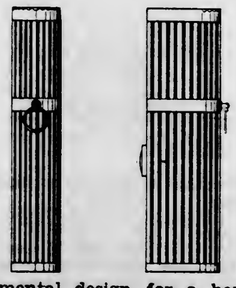
DESIGNS
JUNE 23, 1936

100,083
DESIGN FOR A SHOE
Benjamin Benjamin, Freeport, N. Y.
Application May 23, 1936, Serial No. 62,801
Term of patent 3½ years



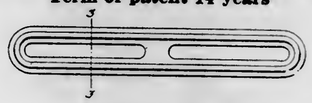
The ornamental design for a shoe substantially as shown.

100,084
DESIGN FOR A BOWLING ALLEY NEWEL POST
Faber Birren, Chicago, Ill., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a corporation of Delaware
Application April 10, 1936, Serial No. 62,052
Term of patent 3½ years



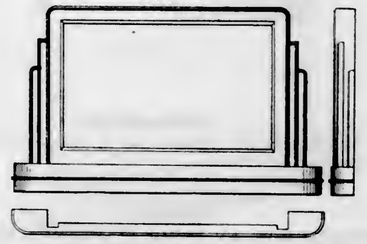
The ornamental design for a bowling alley newel post as shown.

100,085
DESIGN FOR A LOOSE LEAF BINDER PLATE
Ferdinand Bodenhofer, New York, N. Y.
Application April 9, 1936, Serial No. 62,033
Term of patent 14 years



The ornamental design for a loose leaf binder plate, substantially as shown.

100,086
DESIGN FOR A BILLBOARD
William S. Brede, Minneapolis, Minn.
Application April 22, 1936, Serial No. 62,234
Term of patent 7 years



The ornamental design for a billboard, as shown.

100,087
DESIGN FOR A LAWN SPRINKLER
Savannah B. Butt, Baltimore, Md.
Application April 9, 1936, Serial No. 62,041
Term of patent 7 years



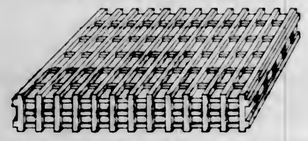
The ornamental design for a lawn sprinkler, as shown.

100,088
DESIGN FOR A FLUSH PLATE
Harry J. Carlson, Grove City, Pa.
Application March 24, 1936, Serial No. 61,758
Term of patent 14 years



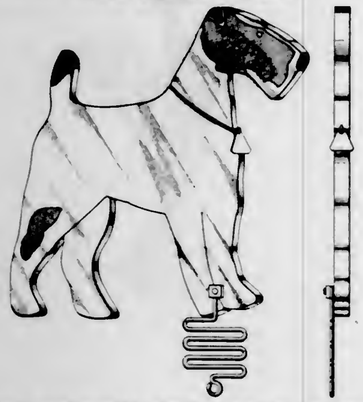
The ornamental design for a flush plate, as shown and described.

100,089
DESIGN FOR AN INSULATING BUILDING BLOCK
Charles J. Chaplin, Waterville, Maine, assignor to Chaplin Corporation, Portland, Maine, a corporation of Maine
Application August 26, 1935, Serial No. 58,298
Term of patent 14 years



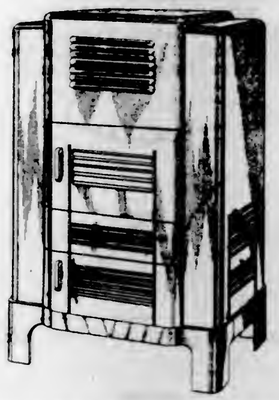
The ornamental design for an insulating building block as shown.

100,090
DESIGN FOR AN AUTOMOBILE ORNAMENT
William Hilary Coughlan, Auburn, Maine
Application February 27, 1936, Serial No. 61,396
Term of patent 7 years



The ornamental design for an automobile ornament, as shown and described.

100,091
DESIGN FOR A HEATER
Kenneth H. Daegling, Whiting, Ind., assignor to The Moore Corporation, Joliet, Ill., a corporation of Delaware
Application October 11, 1935, Serial No. 58,953
Term of patent 3½ years



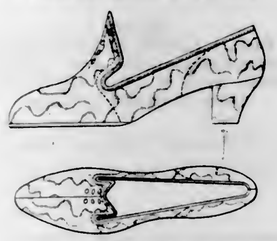
The ornamental design for a heater, as shown and described.

100,092
DESIGN FOR A SLIPPER
Gennaro Del Re, New York, N. Y.
Application May 23, 1936, Serial No. 62,803
Term of patent 3½ years



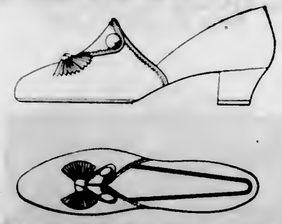
The ornamental design for a slipper substantialy as shown.

100,093
DESIGN FOR A SLIPPER
Gennaro Del Re, New York, N. Y.
Application May 23, 1936, Serial No. 62,804
Term of patent 3½ years



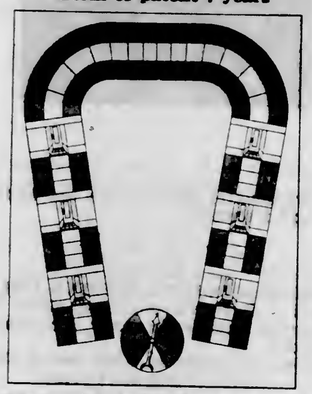
The ornamental design for a slipper substantially as shown.

100,094
DESIGN FOR A SLIPPER
Gennaro Del Re, New York, N. Y.
Application May 23, 1936, Serial No. 62,805
Term of patent 3½ years



The ornamental design for a slipper substantially as shown.

100,095
DESIGN FOR A GAME BOARD
Oliver H. Eriksen and Clarence M. Eriksen, Chico, Calif.
Application April 3, 1936, Serial No. 61,939
Term of patent 7 years



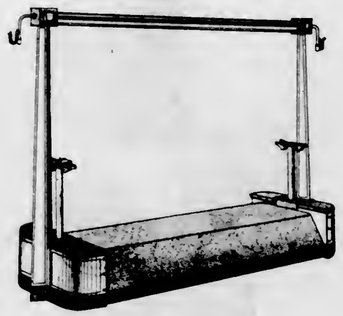
The ornamental design for a game board, as shown and described.

100,096
DESIGN FOR A SHOE
Frank Faleck, New York, N. Y., assignor to Ansonia De Luxe Shops, Inc., New York, N. Y., a corporation of New York
Application May 14, 1936, Serial No. 62,631
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

100,097
DESIGN FOR AN AUTOMOBILE SERVICE STATION ISLAND GROUP BASE UNIT
Alexander P. Fox, University City, Mo., assignor to Lincoln Engineering Company, St. Louis, Mo., a corporation of Missouri
Application April 1, 1936, Serial No. 61,891
Term of patent 14 years



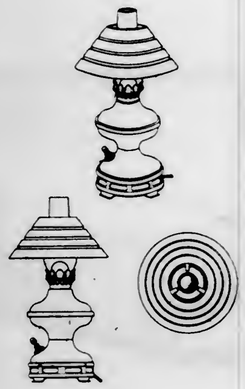
The ornamental design for an automobile service station island group base unit, substantially as shown.

100,098
DESIGN FOR A RADIATOR CAP ORNAMENT
Lester K. Franklin, Chicago, Ill.
Application January 5, 1935, Serial No. 54,732
Term of patent 3½ years



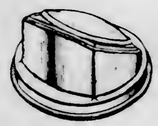
The ornamental design for a radiator cap ornament, substantially as shown and described.

100,099
DESIGN FOR AN ELECTRIC LAMP
Frank Furedy, New York, N. Y., assignor to Twin-Glo Lamp Co. Inc., New York, N. Y., a corporation of New York
Application December 10, 1935, Serial No. 59,993
Term of patent 7 years



The ornamental design for an electric lamp, substantially as shown.

100,100
DESIGN FOR A DESK THERMOMETER OR SIMILAR ARTICLE
Harry Germanow, Rochester, N. Y., assignor to Germanow-Simon Machine Company, Rochester, N. Y., a firm composed of Harry Germanow and Julius Simon
Application February 26, 1936, Serial No. 61,365
Term of patent 14 years





The ornamental design for a desk thermometer or similar article, substantially as shown and described.

100,101
DESIGN FOR A TEXTILE FABRIC
Lawrence N. Hale, Leaksville, N. C., assignor to Marshall Field & Company, Chicago, Ill., a corporation of Illinois
Application February 26, 1935, Serial No. 55,628
Term of patent 7 years



The ornamental design for a textile fabric as shown and described.

100,102
DESIGN FOR A LIGHTING UNIT
Cromwell A. B. Halvorson, Lynn, Mass., assignor to General Electric Company, a corporation of New York
Application December 19, 1935, Serial No. 60,177
Term of patent 14 years



The ornamental design for a lighting unit as shown.

100,103
DESIGN FOR A MESSAGE SCROLL
William C. Helms, Oakland, Calif.
Application April 9, 1936, Serial No. 62,028
Term of patent 14 years



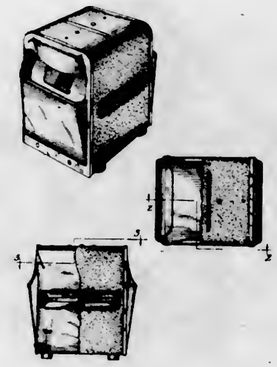
The ornamental design for a message scroll substantially as shown and described.

100,104
DESIGN FOR A COAT .
Morris Hiller, Long Beach, N. Y.
Application May 22, 1936, Serial No. 62,770
Term of patent 3½ years



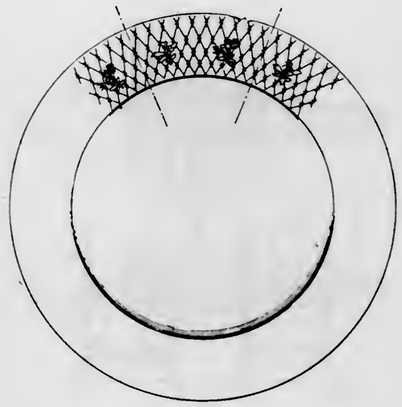
The ornamental design for a coat substantially as shown and described.

100,105
DESIGN FOR A NAPKIN DISPENSER OR THE LIKE
Byron T. Hoffmaster, Appleton, Wis., assignor to Marathon Paper Mills Company, Rothschild, Wis., a corporation of Wisconsin
Application March 19, 1936, Serial No. 61,691
Term of patent 14 years



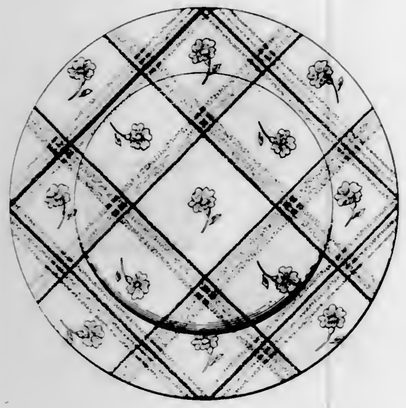
The ornamental design for a napkin dispenser or the like, as shown and described.

100,106
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Ernest J. Johnson, Stone, England, assignor to Johnson Brothers, (Hanley) Ltd., Stoke-on-Trent, Staffordshire, England, a limited corporation of Great Britain
Application November 26, 1935, Serial No. 59,784
Term of patent 7 years



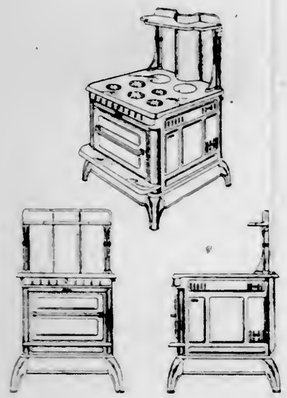
The ornamental design for a plate or similar article, as shown and described.

100,107
DESIGN FOR A PLATE OR SIMILAR ARTICLE
Ernest J. Johnson, Stone, England, assignor to Johnson Bros. (Hanley) Ltd., Stoke-on-Trent, Staffordshire, England, a limited corporation of Great Britain
Application January 30, 1936, Serial No. 60,881
Term of patent 7 years



The ornamental design for a plate or similar article, as shown.

100,108
DESIGN FOR A COMBINATION COAL AND GAS RANGE
Henry Lange, Quincy, Ill., assignor to Quincy Stove Manufacturing Company, Quincy, Ill.
Application December 2, 1935, Serial No. 59,869
Term of patent 7 years



The ornamental design for a combination coal and gas range, as shown.

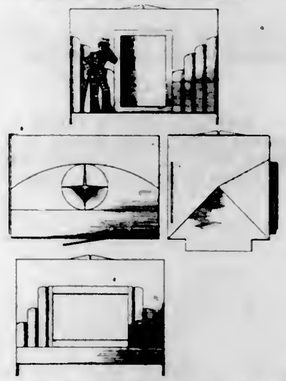
100,109
DESIGN FOR A BOTTLE
Paul C. Leatherman, Palm Beach, Fla.
Application October 26, 1935, Serial No. 59,229
Term of patent 3½ years





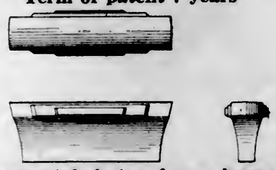
The ornamental design for a bottle, as shown.

100,110
DESIGN FOR A CARTON
Byron Hassberg Lengsfield, New Orleans, La.
Application January 31, 1936, Serial No. 60,939
Term of patent 7 years



The ornamental design for a carton, as described and shown.

100,111
DESIGN FOR A DRAWER PULL
Fred W. McCormick and Frederick C. Ruppel, Grand Rapids, Mich.; said Ruppel assignor to said McCormick
Application April 17, 1936, Serial No. 62,186
Term of patent 7 years



The ornamental design for a drawer pull as shown.

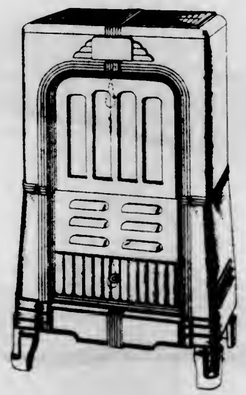
100,112
DESIGN FOR A BOTTLE
Frank McIntosh, New York, N. Y., assignor to Lentheric Incorporated, New York, N. Y., a corporation of New York
Application October 24, 1935, Serial No. 59,208
Term of patent 14 years





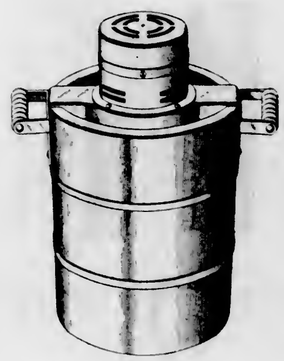
The ornamental design for a bottle substantially as shown.

100,113
DESIGN FOR A CIRCULATING HEATER
John Balderston Miller and William Porter Biddle, Jr., Knoxville, Tenn., assignors to Knox Stove Works, Knoxville, Tenn., a corporation of Tennessee
Application April 13, 1936. Serial No. 62,107
Term of patent 14 years



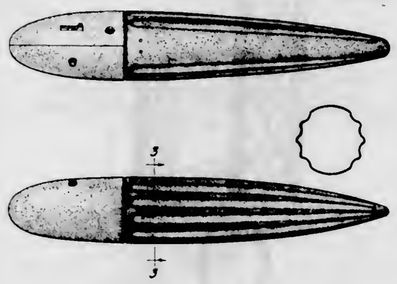
The ornamental design for a circulating heater, as shown and described.

100,114
DESIGN FOR AN ICE CREAM FREEZER
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application April 4, 1936, Serial No. 61,945
Term of patent 7 years



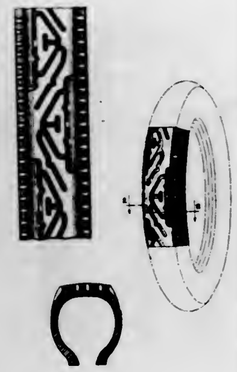
The ornamental design for an ice cream freezer, as shown.

100,115
DESIGN FOR AN ACCESSORY TANK FOR BICYCLES
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application April 24, 1936, Serial No. 62,274
Term of patent 7 years



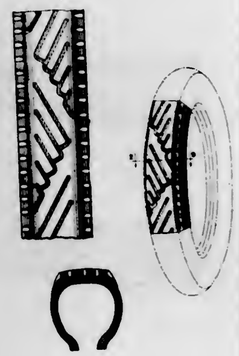
The ornamental design for an accessory tank for bicycles, as shown.

100,116
DESIGN FOR A VEHICLE TIRE
Arthur H. Nellen, Merion, and Frederick Leopold, Jr., Harmonville, Pa., assignors to Lee Rubber & Tire Corporation, Conshohocken, Pa., a corporation of New York
Application April 24, 1936, Serial No. 62,276
Term of patent 7 years



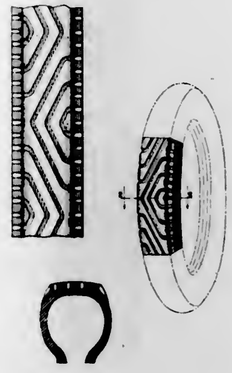
The ornamental design for a vehicle tire as shown.

100,117
DESIGN FOR A VEHICLE TIRE
Arthur H. Nellen, Merion, and Frederick Leopold, Jr., Harmonville, Pa., assignors to Lee Rubber & Tire Corporation, Conshohocken, Pa., a corporation of New York
Application April 24, 1936, Serial No. 62,277
Term of patent 7 years



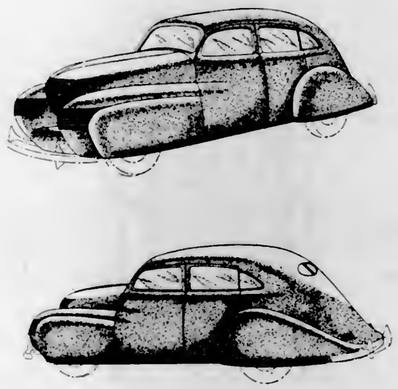
The ornamental design for a vehicle tire as shown.

100,118
DESIGN FOR A VEHICLE TIRE
Arthur H. Nellen, Merion, and Frederick Leopold, Jr., Harmonville, Pa., assignors to Lee Rubber & Tire Corporation, Conshohocken, Pa., a corporation of New York
Application April 24, 1936, Serial No. 62,278
Term of patent 7 years



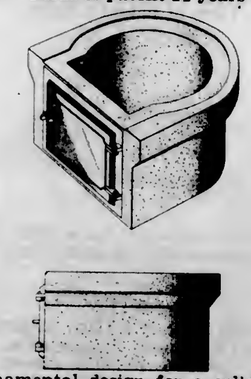
The ornamental design for a vehicle tire as shown.

100,119
DESIGN FOR AN AUTOMOBILE
Amos E. Northup, Detroit, Mich., assignor to The Murray Corporation of America, Detroit, Mich., a corporation of Delaware
Application November 2, 1935, Serial No. 59,342
Term of patent 7 years



The ornamental design for an automobile substantially as shown.

100,120
DESIGN FOR A SOLID FUEL STOVE ASHPIT
Wilfred F. Otis, West New York, Harry H. Haas, Union City, and John E. Otis, West New York, N. J.
Application March 27, 1936, Serial No. 61,826
Term of patent 14 years



The ornamental design for a solid fuel stove ashpit, as shown.

100,121
DESIGN FOR AN ESCUTCHEON PLATE
Raymond E. Patten, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application November 29, 1935, Serial No. 59,812
Term of patent 3½ years



The ornamental design for an escutcheon plate substantially as shown.

100,122
DESIGN FOR A TOMATO JUICE JAR
John Petaja, Chicago, Ill.
Application April 17, 1936, Serial No. 62,184
Term of patent 14 years



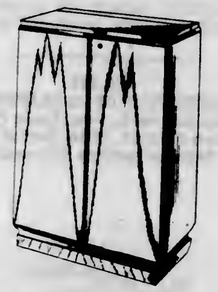
The ornamental design for a tomato juice jar substantially as shown.

100,123
DESIGN FOR A TYPE COMPOSING MACHINE
Frank H. Poeppelmeier, Dayton, Ohio, assignor to Econotype, Inc., Dayton, Ohio, a corporation of Delaware
Application January 27, 1936, Serial No. 60,829
Term of patent 14 years



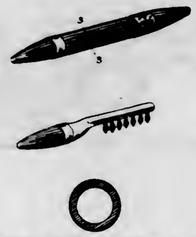
The ornamental design for a type composing machine, as shown.

100,124
DESIGN FOR A BAR CABINET
David C. Rockola, Chicago, Ill.
Application September 3, 1935, Serial No. 58,414
Term of patent 3½ years



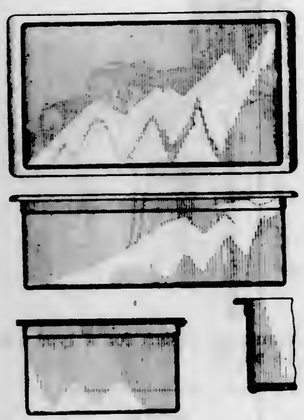
The ornamental design for a bar cabinet, as shown.

100,125
DESIGN FOR A TOOTH BRUSH
Velma E. Rominger, Salem, Oreg.
Application June 3, 1935, Serial No. 57,105
Term of patent 14 years



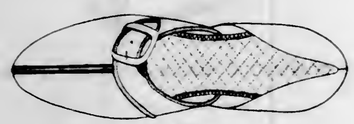
The ornamental design for a tooth brush, as shown and described.

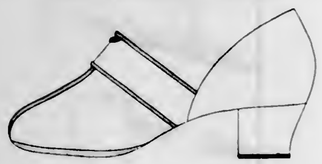
100,126
DESIGN FOR A GLASS FOOD CONTAINER OR SIMILAR ARTICLE
Lewis H. Scurlock, Chicago, Ill.
Application March 14, 1936, Serial No. 61,631
Term of patent 14 years



The ornamental design for a glass food container or similar article, as shown and described.

100,127
DESIGN FOR A SLIPPER
Max Shanzer, New York, N. Y.
Application May 18, 1936, Serial No. 62,688
Term of patent 3½ years





The ornamental design for a slipper, substantially as shown, and described.

100,128
DESIGN FOR A BOTTLE OR SIMILAR CONTAINER
George Smith, Jr., Olean, N. Y., assignor to Olean Glass Works, Olean, N. Y., a corporation of New York
Application April 9, 1936, Serial No. 62,024
Term of patent 7 years



The ornamental design for a bottle or similar container substantially as shown and described.

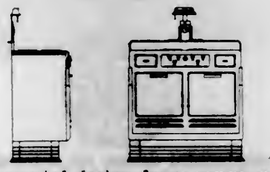
100,129
DESIGN FOR A RADIO CABINET
Robert Z. Snyder, Philadelphia, Pa.
Application February 13, 1936, Serial No. 61,128
Term of patent 7 years



The ornamental design for a radio cabinet, as shown and described.

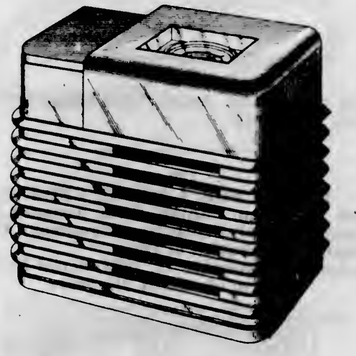
100,130
DESIGN FOR A RANGE
Arthur O. Spoeneman, Belleville, Ill., assignor to Enterprise Foundry Company, Belleville, Ill.
Application December 2, 1935, Serial No. 59,870
Term of patent 3½ years





The ornamental design for a range, as shown.

100,131
DESIGN FOR A RADIO CABINET
John Stevens, Chicago, Ill., assignor to Zenith Radio Corporation, Chicago, Ill., a corporation of Illinois
Application April 16, 1936, Serial No. 62,143
Term of patent 7 years



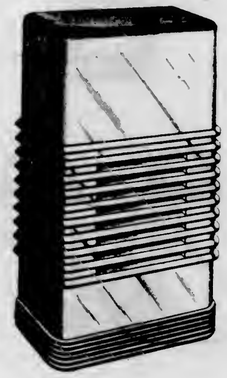
The ornamental design for a radio cabinet, as shown.

100,132
DESIGN FOR A RADIO CABINET
John Stevens, Chicago, Ill., assignor to Zenith Radio Corporation, Chicago, Ill., a corporation of Illinois
Application April 16, 1936, Serial No. 62,144
Term of patent 7 years



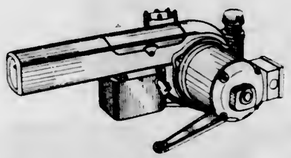
The ornamental design for a radio cabinet, as shown.

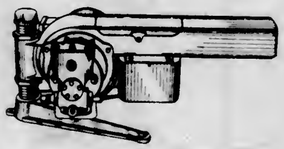
100,133
DESIGN FOR A RADIO CABINET
John Stevens, Chicago, Ill., assignor to Zenith Radio Corporation, Chicago, Ill., a corporation of Illinois
Application April 16, 1936, Serial No. 62,145
Term of patent 7 years



The ornamental design for a radio cabinet, as shown.

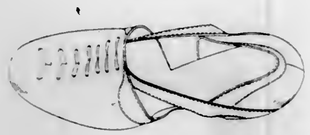
100,134
DESIGN FOR AN OIL BURNER
Adolph Thousand, Cedar Rapids, Iowa
Application September 21, 1935, Serial No. 58,651
Term of patent 7 years





The ornamental design for an oil burner as shown.

100,135
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Seymour Troy, New York, N. Y.
Application May 18, 1936, Serial No. 62,702
Term of patent 7 years





The ornamental design for a shoe or similar article substantially as shown.

100,136
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Seymour Troy, New York, N. Y.
Application May 18, 1936, Serial No. 62,703
Term of patent 7 years





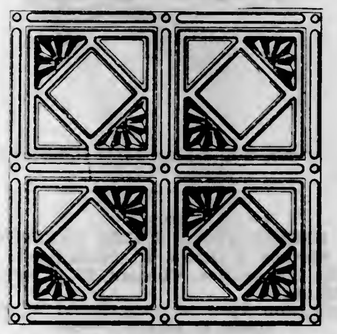
The ornamental design for a shoe or similar article substantially as shown.

100,137
DESIGN FOR A BADGE OR SIMILAR ARTICLE
Zacarias H. Villanueva, Hilo, Territory of Hawaii
Application November 21, 1935, Serial No. 59,690
Term of patent 7 years



The ornamental design for a badge or similar article, as shown.

100,138
DESIGN FOR A METAL CEILING
Frank M. Vogan, Canton, Ohio, assignor to The Canton Metal Decorating Company, Canton, Ohio, a corporation of Ohio
Application September 12, 1935, Serial No. 58,535
Term of patent 3½ years



The ornamental design for a metal ceiling, as shown.

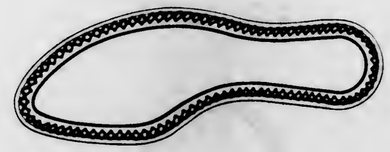
100,139
DESIGN FOR A WARNING SIGNAL
Foster E. Weld, Newton, Mass., assignor to The Gamewell Company, Newton, Mass., a corporation of Massachusetts
Application November 20, 1935, Serial No. 59,663
Term of patent 14 years

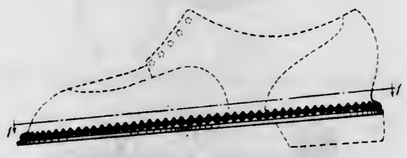




The ornamental design for a warning signal, substantially as shown.

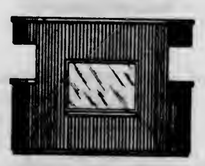
100,140
DESIGN FOR A SHOE OR SIMILAR ARTICLE
Carl G. Wernmark, Hollywood, Calif.
Application March 27, 1935, Serial No. 56,071
Term of patent 14 years





The ornamental design for a shoe or similar article, as shown and described.

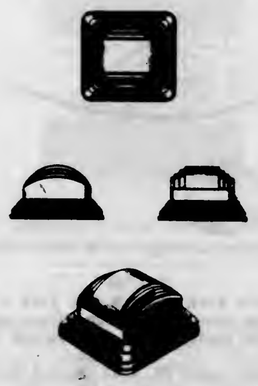
100,141
DESIGN FOR A TABLE OR THE LIKE
Frederick W. Worth, Chicago, Ill.
Application January 31, 1936, Serial No. 60,914
Term of patent 3½ years





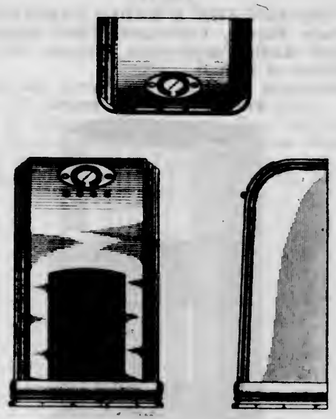
The ornamental design for a table or the like, as shown and described.

100,142
DESIGN FOR A FINGER RING BOX OR SIMILAR ARTICLE
Jack G. Allen, Chicago, Ill., assignor to F. H. Noble & Co., Chicago, Ill., a corporation of Illinois
Application April 24, 1936, Serial No. 62,295
Term of patent 7 years



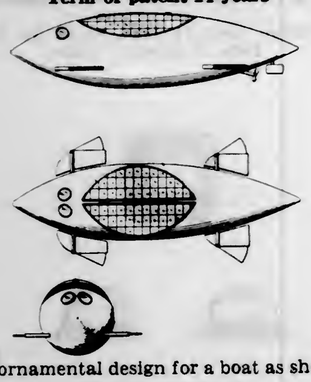
The ornamental design for a finger ring box or similar article.

100,143
DESIGN FOR A RADIO CABINET OR SIMILAR ARTICLE
Clifford L. Allison, Grand Rapids, Mich., assignor to Continental Radio and Television Corp., Chicago, Ill., a corporation of Illinois
Application April 30, 1936, Serial No. 62,387
Term of patent 7 years



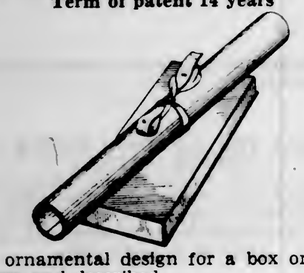
The ornamental design for a radio cabinet or similar article as shown.

100,144
DESIGN FOR A BOAT
Herman E. Bakenhus, Azusa, Calif.
Application April 7, 1936, Serial No. 61,993
Term of patent 14 years



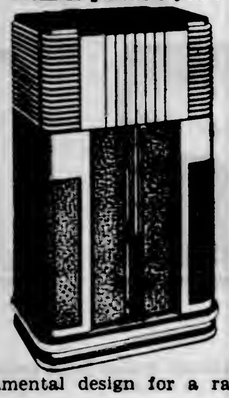
The ornamental design for a boat as shown.

100,145
DESIGN FOR A BOX OR THE LIKE
Arthur Bates, North Attleboro, Mass., assignor to Evans Case Company, a corporation of Massachusetts
Application April 29, 1936, Serial No. 62,375
Term of patent 14 years



The ornamental design for a box or the like as shown and described.

100,146
DESIGN FOR A RADIO CABINET
Lawrence Blazey, Cleveland, Ohio, assignor to Zenith Radio Corporation, Chicago, Ill., a corporation of Illinois
Application April 16, 1936, Serial No. 62,146
Term of patent 7 years



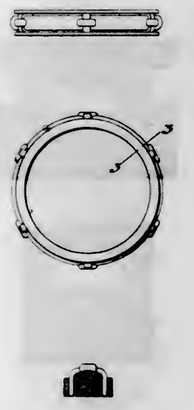
The ornamental design for a radio cabinet, as shown.

100,147
DESIGN FOR A FINGER RING
Julius Braun, Union, N. J., assignor to Abelson & Braun, Newark, N. J., a corporation of New Jersey
Application April 24, 1936, Serial No. 62,287
Term of patent 7 years



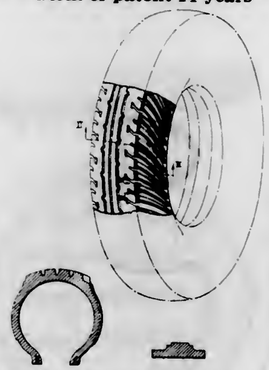
The ornamental design for a finger ring as shown.

100,148
DESIGN FOR A GUARDED FINGER RING
Julius Braun, Union, N. J., assignor to Abelson & Braun, Newark, N. J., a corporation of New Jersey
Application April 24, 1936, Serial No. 62,288
Term of patent 7 years



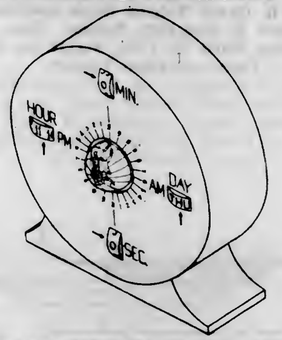
The ornamental design for a guarded finger ring, as shown.

100,149
DESIGN FOR A TIRE
Harold A. Brittain, Akron, Ohio, assignor to Mid-Continent Petroleum Corporation, Tulsa, Okla., a corporation of Kentucky
Application April 29, 1936, Serial No. 62,365
Term of patent 14 years



The ornamental design for a tire, as shown.

100,150
DESIGN FOR A HOROLOGICAL INSTRUMENT
John B. Brown, Oklahoma City, Okla.
Application May 1, 1936, Serial No. 62,404
Term of patent 3½ years



The ornamental design for a horological instrument, as shown and described.

100,151
DESIGN FOR ELASTIC FABRIC
Harry H. Busch, Wyomissing, Pa., assignor to The Narrow Fabric Company, West Reading, Pa., a corporation of Pennsylvania
Application April 16, 1936, Serial No. 62,164
Term of patent 7 years



The ornamental design for elastic fabric as shown and described.

100,152
DESIGN FOR ELASTIC FABRIC
Harry H. Busch, Wyomissing, Pa., assignor to The Narrow Fabric Company, West Reading, Pa., a corporation of Pennsylvania
Application April 16, 1936, Serial No. 62,165
Term of patent 7 years



The ornamental design for elastic fabric as shown and described.

100,153
DESIGN FOR ELASTIC FABRIC
Harry H. Busch, Wyomissing, Pa., assignor to The Narrow Fabric Company, West Reading, Pa., a corporation of Pennsylvania
Application April 16, 1936, Serial No. 62,166
Term of patent 7 years



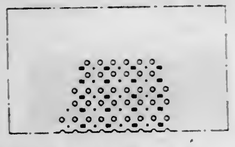
The ornamental design for elastic fabric as shown and described.

100,154
DESIGN FOR ELASTIC FABRIC
Harry H. Busch, Wyomissing, Pa., assignor to The Narrow Fabric Company, West Reading, Pa., a corporation of Pennsylvania
Application April 16, 1936, Serial No. 62,167
Term of patent 7 years



The ornamental design for elastic fabric as shown and described.

100,155
DESIGN FOR SHOE UPPER MATERIAL
Claude H. Daniels, Wellesley Hills, Mass.
Application April 25, 1936, Serial No. 62,305
Term of patent 14 years



The ornamental design for shoe upper material, substantially as shown and described.

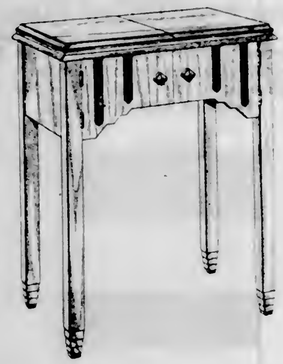
100,156
DESIGN FOR A HANDLE FOR KNIVES, FORKS, AND SIMILAR ARTICLES
Finley F. Ellingwood, Metuchen, N. J., assignor to Bakelite Corporation, New York, N. Y., a corporation of Delaware
Application March 31, 1936, Serial No. 61,881
Term of patent 3½ years





The ornamental design for a handle for knives, forks, and similar articles substantially as shown and described.

100,157
DESIGN FOR A CABINET FOR A SEWING MACHINE
Edgar Griffith France, South Bend, Ind., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a corporation of New Jersey
Application April 29, 1936, Serial No. 62,358
Term of patent 14 years



The ornamental design for a cabinet for a sewing machine, as shown.

100,158
DESIGN FOR A BUCKLE
John B. Freysinger, New Britain, Conn.
Application May 8, 1936, Serial No. 62,546
Term of patent 3½ years

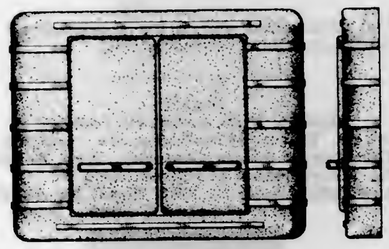




The ornamental design for a buckle as shown.

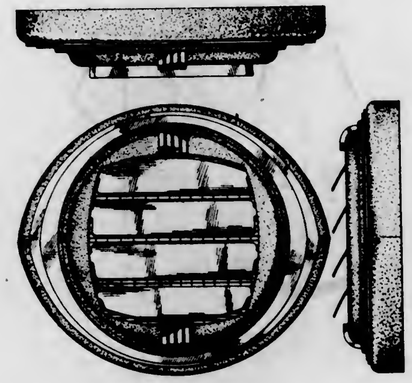
100,159
DESIGN FOR AN AUTOMOBILE HEATER
George R. Graff, Toledo, Ohio, assignor to John E. Goerlich, Toledo, Ohio
Application April 29, 1936, Serial No. 62,364
Term of patent 7 years





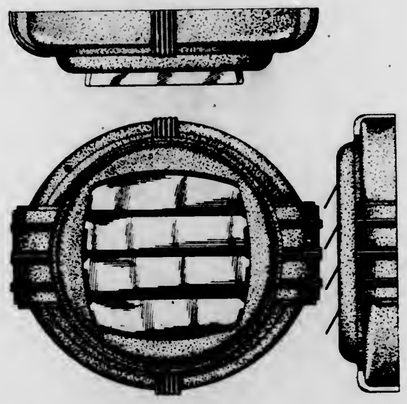
The ornamental design for an automobile heater substantially as shown.

100,160
DESIGN FOR AN AUTOMOBILE HEATER
George R. Graff, Toledo, Ohio, assignor to John E. Goerlich, Toledo, Ohio
Application May 11, 1936, Serial No. 62,592
Term of patent 7 years



The ornamental design for an automobile heater substantially as shown.

100,161
DESIGN FOR AN AUTOMOBILE HEATER
George R. Graff, Toledo, Ohio, assignor to John E. Goerlich, Toledo, Ohio
Application May 11, 1936, Serial No. 62,591
Term of patent 7 years



The ornamental design for an automobile heater substantially as shown.

100,162
DESIGN FOR A FLASK
James MacIntosh Grigor, Inverness, Scotland
Application February 21, 1936, Serial No. 61,288
In Great Britain January 7, 1936
Term of patent 14 years



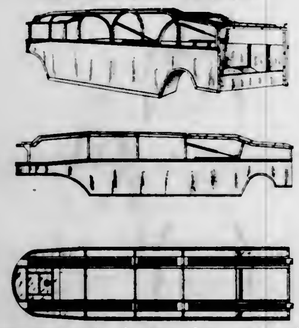
The ornamental design for a flask, as shown.

100,163
DESIGN FOR A CRAVAT HOLDER
Viola T. Howard, Saylesville, R. I., assignor to Swank Products, Inc., a corporation of Massachusetts
Application May 14, 1936, Serial No. 62,630
Term of patent 3½ years



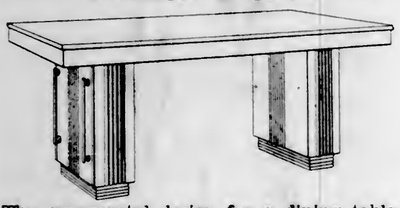
The ornamental design for a cravat holder, substantially as shown and described.

100,164
DESIGN FOR AN AUTOMOBILE TRANSPORT
Irving H. Judd, Dearborn, Mich., assignor to Whitehead & Kales Company, River Rouge, Mich., a corporation of Michigan
Application April 27, 1936, Serial No. 62,341
Term of patent 14 years



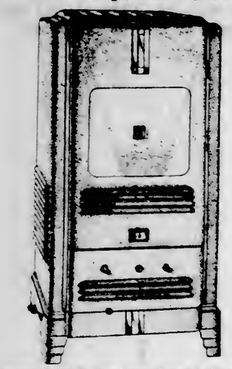
The ornamental design for an automobile transport substantially as shown.

100,165
DESIGN FOR A DINING TABLE
William Kalpakoff, Southgate, Calif.
Application May 13, 1936, Serial No. 62,618
Term of patent 3½ years



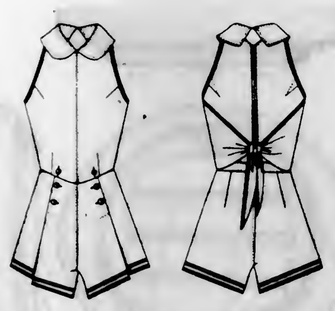
The ornamental design for a dining table as shown and described.

100,166
DESIGN FOR A HEATER
Bertrand B. Kahn, Cincinnati, Ohio, assignor to The Estate Stove Company, Hamilton, Ohio, a corporation of Ohio
Application July 9, 1935, Serial No. 57,569
Term of patent 7 years



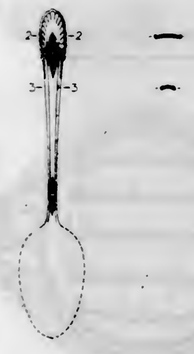
The ornamental design for a heater substantially as shown, and described.

100,167
DESIGN FOR A PLAYSUIT
Harry Kaplan, New York, N. Y.
Application May 11, 1936, Serial No. 62,588
Term of patent 3½ years



The ornamental design for a playsuit, substantially as shown.

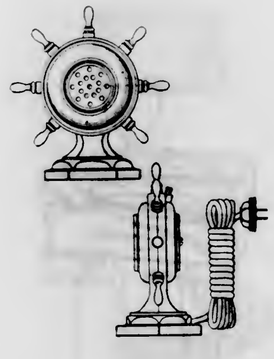
100,168
DESIGN FOR A SPOON OR OTHER ARTICLE OF FLATWARE
Alfred G. Kintz, Wallingford, Conn., assignor to International Silver Company, Meriden, Conn., a corporation of New Jersey
Application May 6, 1936, Serial No. 62,508
Term of patent 14 years



The ornamental design for a spoon or other article of flatware, substantially as shown and described.

CARNEGIE LIBRARY OF ATLANTA

100,169
DESIGN FOR A CIGAR AND CIGARETTE LIGHTER
Jack Kohen, Chicago, Ill.
Application April 10, 1936, Serial No. 62,057
Term of patent 3½ years



The ornamental design for a cigar and cigarette lighter as shown.

100,170
DESIGN FOR A LAMP BASE OR SIMILAR ARTICLE.
Harry M. Laxer, New York, N. Y., assignor to Idealite, Inc., New York, N. Y., a corporation of New Jersey
Application March 19, 1936, Serial No. 61,692
Term of patent 3½ years



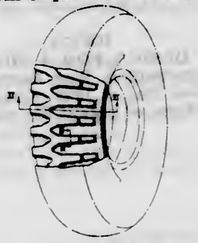
The ornamental design for a lamp base or similar article, as shown and described.

100,171
DESIGN FOR A NIPPLE
Jesse Little, Warwick, R. I., assignor to Davol Rubber Company, Providence, R. I., a corporation of Rhode Island
Application December 19, 1933, Serial No. 50,121
Term of patent 14 years



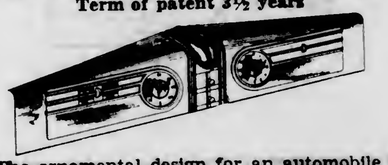
The ornamental design for a nipple, as shown and described.

100,172
DESIGN FOR A TIRE
William P. MacKusick, Akron, Ohio, assignor to Wingfoot Corporation, Wilmington, Del., a corporation of Delaware
Application April 24, 1936, Serial No. 62,286
Term of patent 14 years



The ornamental design for a tire, as shown.

100,173
DESIGN FOR AN AUTOMOBILE INSTRUMENT PANEL
Richard Mayer, New Rochelle, N. Y.
Application May 8, 1936, Serial No. 62,545
Term of patent 3½ years



The ornamental design for an automobile instrument panel, substantially as shown.

100,174
DESIGN FOR A SHOE
Roy M. McQuillen, East Rochester, N. H.
Application May 9, 1936, Serial No. 62,571
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

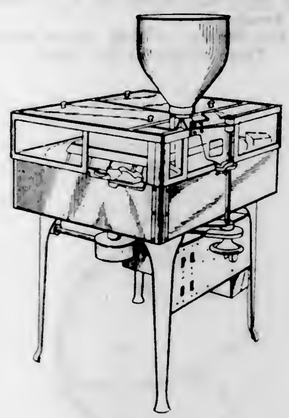
100,175
DESIGN FOR A SHOE
Roy M. McQuillen, East Rochester, N. H.
Application May 6, 1936, Serial No. 62,506
Term of patent 3½ years



The ornamental design for a shoe substantially as shown.

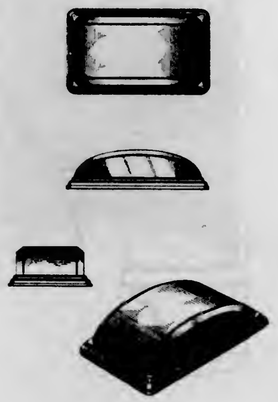
100,176
DESIGN FOR A DOUGHNUT MACHINE
James J. Morris, Chicago, Ill., assignor to Oak Manufacturing Company, Chicago, Ill., a corporation of Illinois
Application November 25, 1935, Serial No. 59,759
Term of patent 3½ years





The ornamental design for a doughnut machine as shown.

100,177
DESIGN FOR A JEWELRY DISPLAY BOX OR SIMILAR ARTICLE
John M. Shields, Chicago, Ill., assignor to F. H. Noble & Co., Chicago, Ill., a corporation of Illinois
Application April 24, 1936, Serial No. 62,292
Term of patent 7 years



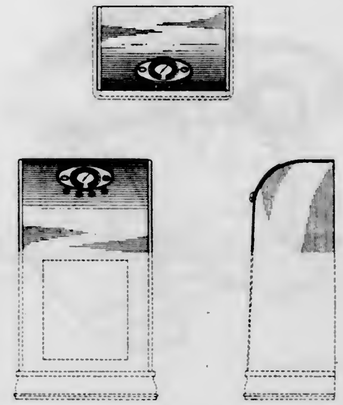
The ornamental design for a jewelry display box or similar article, as shown.

100,178
DESIGN FOR A JEWELRY DISPLAY BOX OR SIMILAR ARTICLE
John M. Shields, Chicago, Ill., assignor to F. H. Noble & Co., Chicago, Ill., a corporation of Illinois
Application April 24, 1936, Serial No. 62,294
Term of patent 7 years



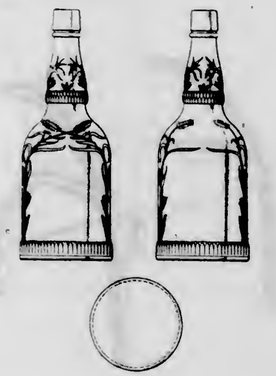
The ornamental design for a jewelry display box or similar article, as shown.

100,179
DESIGN FOR A RADIO CABINET OR SIMILAR ARTICLE
Ross D. Siragusa, Chicago, Ill., assignor to Continental Radio and Television Corp., Chicago, Ill., a corporation of Illinois
Application April 30, 1936, Serial No. 62,388
Term of patent 7 years



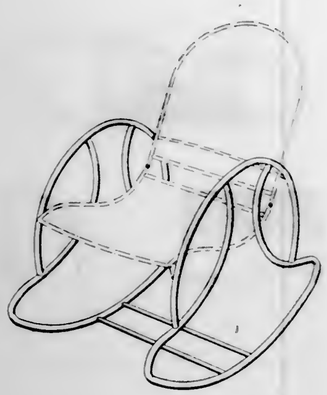
The ornamental design for a radio cabinet or similar article as shown and described.

100,180
DESIGN FOR A BOTTLE
James S. Steelman, Millville, N. J., assignor to Whitall Tatum Company, Millville, N. J., a corporation of New Jersey
Application April 25, 1936, Serial No. 62,301
Term of patent 14 years



The ornamental design for a bottle as shown and described.

100,181
DESIGN FOR A CHAIR OR SIMILAR ARTICLE
Harry J. Terker, Brooklyn, N. Y., assignor to Greenpoint Metalcraft Incorporated, Brooklyn, N. Y.
Application April 29, 1936, Serial No. 62,359
Term of patent 7 years



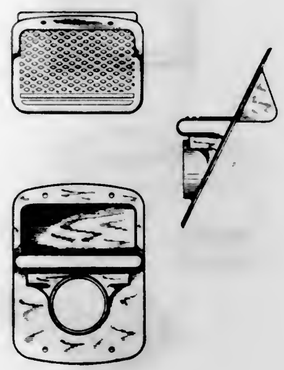
The ornamental design for a chair or similar article substantially as shown and described.

100,182
DESIGN FOR A CHAIR OR SIMILAR ARTICLE
Harry J. Terker, Brooklyn, N. Y., assignor to Greenpoint Metalcraft Incorporated, Brooklyn, N. Y.
Application April 29, 1936, Serial No. 62,360
Term of patent 7 years



The ornamental design for a chair or similar article substantially as shown and described.

100,183
DESIGN FOR A COMBINED STEP PLATE AND SIGNAL CASING
Frederick G. Thwaits, Wauwatosa, Wis., assignor to The Heil Co., Milwaukee, Wis., a corporation of Wisconsin
Application December 28, 1934, Serial No. 54,622
Term of patent 14 years



The ornamental design for a combined step plate and signal casing, substantially as shown and described.

100,184
DESIGN FOR A TEXTILE FABRIC
Nathaniel E. Burgess, New York, N. Y.
Application May 28, 1936, Serial No. 62,874
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

100,185
DESIGN FOR A TEXTILE FABRIC
Nathaniel E. Burgess, New York, N. Y.
Application May 28, 1936, Serial No. 62,875
Term of patent 3½ years



The ornamental design for a textile fabric, substantially as shown.

100,186
DESIGN FOR AN AUTOMOBILE
Douglas Frederick Harold Fitzmaurice, London, England
Application February 7, 1936, Serial No. 61,009
In Great Britain March 21, 1935
Term of patent 14 years



The ornamental design for an automobile substantially as shown and described.

Patents Nos. 2,045,562 to 2,046,309

CARNEGIE LIBRARY OF PITTSBURGH

THE

OFFICIAL GAZETTE

OF THE

United States Patent Office

Vol. 467—No. 5 TUESDAY, JUNE 30, 1936 Price—$16 per year

The OFFICIAL GAZETTE is mailed under the direction of the Superintendent of Documents, Government Printing Office, to whom all subscriptions should be made payable and all communications respecting the Gazette should be addressed. Issued weekly. Subscriptions, $16.00 per annum, including annual index, $18.75; single numbers, 35 cents each.

PRINTED COPIES OF PATENTS are furnished by the Patent Office at 10 cents each. For the latter address the Commissioner of Patents, Washington, D. C.

CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS

	Page
Issue of June 30, 1936	975
Adjudicated Patents	975
U. S. Court of Customs and Patent Appeals—Vacation Period	975
Applications Under Examination	976
Decisions of the U.S. Courts—	
In re Alden and Powers	977
In re Place	981
Patent Suits	984
Trade-Mark Registrations Canceled	985
Bulletin of Decisions of Patent Office on Trade-Marks, Labels and Prints	986
Trade-Marks Published (200 Applications)	989
Trade-Mark Registrations Granted	1011
Trade-Mark Registrations Renewed	1020
Labels	1020
Prints	1020
Reissues	1021
Patents Granted	1024
Designs	1191

June 30, 1936

Trade-Marks	224	No. 336,143 to No.	336,366, inclusive.
T. M. Renewals	6		
Labels	6	No. 47,671 to No.	47,676, inclusive.
Prints	2	No. 15,762 to No.	15,763, inclusive.
Reissues	9	No. 20,019 to No.	20,027, inclusive.
Patents	748	No. 2,045,562 to No.	2,046,309, inclusive.
Designs	65	No. 100,187 to No.	100,251, inclusive.
Total	1,060		

Adjudicated Patents

(D. C. Mass.) Mershon patent, No. 1,141,402, for electrolytic apparatus employing filmed electrodes, claim 5 *Held* invalid. *Mershon* v. *Sprague Specialties Co.*, 14 F. Supp. 361.

(C. C. A. N. J.) Zahn patent, No. 1,158,096, for presser-finger-operating mechanism for embroidering machines, *Held* infringed. *Reitzsch* v. *Paradis*, 83 F.(2d) 273.

(C. C. A. N. J.) Stellmacher patent, No. 1,160,338, for embroidering-machine, *Held* infringed. *Id.*

(C. C. A. N. J.) Sieber patent, No. 1,191,131, for motion-transmitting device, *Held* infringed. *Id.*

(C. C. A. Conn.) Smith patent, No. 1,262,860, for incubator, claim 1 *Held* invalid because of prior public use. *Smith* v. *Hall*, 83 F.(2d) 217.

(C. C. A. N. Y.) Smith patent, No. 1,262,860, for method for incubation of eggs, process claims 1 to 8 *Held* invalid because of prior public use and claim 5, covering apparatus, *Held* insufficient to support infringement suit. *Smith* v. *James Mfg. Co.*, 83 F.(2d) 221.

(C. C. A. N. J.) Zahn patent, No. 1,266,747, for automatic embroidering-machine, claim 1 *Held* valid and infringed. *Reitzsch* v. *Paradis*, 83 F.(2d) 273.

(C. C. A. Ill.) Pratt patent, No. 1,374,679, for degasifying process, claim 4 *Held* invalid. *Hajek* v. *Radio Corporation of America*, 83 F.(2d) 1.

(C. C. A. Ohio.) Thomassen patent, No. 1,536,988, for process for freeing paper pulp from impurities, *Held* invalid because claims are functional. *Black-Clawson Co.* v. *Centrifugal Engineering & Patents Corporation*, 83 F.(2d) 116.

(C. C. A. N. Y.) Willett patent, No. 1,684,653, for foldable table, claims 1, 2, 12, and 16 to 18 *Held* valid and infringed, and claim 19 *Held* invalid. *Ferguson Bros. Mfg. Co.* v. *Lorraine Metal Mfg. Co.*, 83 F.(2d) 245.

(C. C. A. Ill.) Mouromtseff patent, No. 1,718,206, for vacuum tube, claim 4 *Held* invalid. *Hajek* v. *Radio Corporation of America*, 83 F.(2d) 1.

(C. C. Mass.) Mershon patent, No. 1,784,674, for film formation and operation of electrolytic condensers and other apparatus, claims 5, 8, 10, and 12 to 16 *Held* invalid. *Mershon* v. *Sprague Specialties Co.*, 14 F. Supp 361.

(C. C. A. Va.) Camp patent, No. 1,793,673, for resilient traffic guard, claims 5 to 10 *Held* valid and infringed. *Oates* v. *Camp*, 83 F.(2d) 111.

(C. C. A. Ill.) Gowen patent, No. 1,893,466, for audion construction, claims 3, 6, 11 and 12 *Held* not infringed. *Hajek* v. *Radio Corporation of America*, 83 F.(2d) 1.

(D. C. N. Y.) Gebhardt patent, No. 1,896,774, for heat exchange apparatus, *Held* valid and infringed. *Frick* v. *Crisp*, 14 F. Supp. 297.

(C. C. A. N. Y.) Seward patent No. 1,951,884, for folding table, claims 6, 9 and 10 *Held* invalid. *Ferguson Bros. Mfg. Co.* v. *Lorraine Metal Mfg. Co.*, 83 F.(2d) 245.

U. S. Court of Customs and Patent Appeals—Vacation Period

It is ordered that the vacation period of this court, insofar as it affects the postponement by stipulation of the filing of appellants' and appellees' briefs in customs appeals, as provided in paragraph 3 of Rule XIX, and insofar as it affects the postponement of the printing of records and the filing of appellants' and appellees' briefs in patent appeals, as provided in paragraph 1 of Rule XXVI and in paragraphs 3 and 4 of Rule XXVII, shall commence on the 17th day of June, A. D., 1936.

Attest:

ARTHUR F. SHELTON,
Clerk.

June 17, 1936.

Condition of Applications Under Examination at Close of Business June 13, 1936

(Total number of applications awaiting action, excluding Trade-Mark Division, 33,554: Trade-Mark Division, 1,594. Oldest new case, February 7, 1936; oldest amended, January 29, 1936.)

Room No.	Divisions, Examiners, and Subjects of Inventions	Oldest new application and oldest action by applicant awaiting office action: New	Amended	No. of applications awaiting action
6624	1. LOEFFLER, F. A., Baths and Closets; Sewerage; Domestic Cooking Vessels; Closure Operators; Fences; Gates; Tillage.	Apr. 7	Apr. 10	311
6708	2. HERRMANN, D., Fishing and Trapping; Dairy, Animal Husbandry; Presses, Tobacco, Velocipedes; Butchering; Bee Culture.	Feb. 13	Feb. 14	883
4093	3. LINDSEY, A., Heating; Metal Founding; Metallurgy; Metal Treatment; Electric Furnaces	Mar. 16	Mar. 13	462
7083	4. DONNELLY, A. E. (Act.), Conveyors; Hoists; Handling Apparatus and Implements; Excavating; Elevators; Fire Escapes; Ladders; Scaffolds; Store Service; Pneumatic Despatch; Fluid Pressure Brakes.	Mar. 12	Mar. 13	528
3628	5. MACNAB, J. F., Harvesters; Music; Acoustics; Sound Recording; Knotters; Buckles, Buttons, Etc.	Mar. 13	Mar. 13	481
4898 C	6. LEWERS, A. M., Carbon Chemistry	Apr. 3	Mar. 28	465
5725	7. JARBOE, C. G., Optics; Photography	Mar. 27	Mar. 26	762
3889	8. ADAMS, F. L., Beds; Chairs; Kitchen and Table Articles; Racks and Cabinets	Mar. 30	Apr. 9	436
4624	9. ADAMS, R. E., Pumps; Fluid and Fluid-Current Motors	Apr. 20	Apr 17	349
6612	10. HUNTER, O. F., Land Vehicles—Animal Draft Appliances, Bodies and Tops; Vehicle Fenders	Apr. 14	Apr. 17	254
5087 B	11. BENHAM, E. V., Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whip Apparatus; Hides, Skins, and Leather.	Mar. 23	Mar 23	454
7701	12. HENRY, C. C., Machine Elements; Cylinders and Pistons; Mechanical Starters; Stop Mechanisms	Mar. 16	Mar. 16	511
5096	13. BORLIK, F. J., Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning; Boring and Drilling.	Apr. 16	Apr. 16	363
5097	14. BRUMBAUGH, N. J., Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet Metal Ware, Making; Wire Fabrics; Wire Working; Metal Working, Blanks and Processes.	Mar. 4	Mar. 5	642
4897	15. WORRELL, L. W., Glass; Plastic Block and Earthenware Apparatus; Plastics	Mar. 26	Mar. 26	731
5612	16. SPENCER, C. J., Telegraphy; Telephony	Mar. 13	Mar. 13	585
5701	17. ARMSTRONG, H., Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associsting or Folding; Sheet or Web Feeding; Type Setting.	Mar. 20	Mar. 17	699
4612	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Feb. 19	Feb. 24	442
4096	19. KENNEDY, A. R., Furnaces and Stoves; Fuel Burners	Mar. 14	Mar. 19	585
6613	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks; Latches; Safes; Undertaking	Mar. 12	Mar. 21	343
7733	21. THOMPSON, T. J., Textiles; Cloth Finishing	Mar. 23	Mar. 23	534
5724	22. RINGLE, D., Aeronautics; Firearms, Ordnance, and Explosive Devices; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Mar. 19	Mar. 19	512
7624	23. BUTTNER, W. J. (Act.), Coin Handling; Recorders; Registers	Feb. 12	Jan. 29	575
5083	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Apr. 8	Mar. 30	472
5709	25. BLAKELY, C. F., Classifying Solids; Centrifugal-Bowl Separators; Mills; Threshing; Vegetable and Meat Cutters and Comminutors.	Mar. 17	Mar. 19	456
5893	26. ADAMS, W. M., Electricity, Generation; Motive Power	Apr. 13	Apr. 13	338
5708	27. CLARK, W. N., Brushing, Scrubbing, and Cleaning; Washing Apparatus	Mar. 11	Mar. 17	520
4628	28. BENSON, A. R., Internal-Combustion Engines	Mar. 13	Mar. 7	412
5082	29. SHKLARIN, J. B. (Act.), Woodworking; Tools; Compound Tools; Furniture; Metal Working; Cloth, Leather, and Rubber Receptacles; Baggage; Package and Article Carriers; Deposit and Collection Receptacles; Supports, Tables.	Apr. 8	Apr. 11	399
4074	30. SHIPMAN, J. L., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Thermostats and Humidostats.	Mar. 7	Mar. 11	610
4716	31. DUNCOMBE, C. S. (Act.), Gas, Heating and Illuminating; Mineral Oils	Mar. 13	Mar. 13	492
4086	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange; Gas Separation	Mar. 31	Mar. 30	451
6096	33. WYMAN, W. I., Bridges; Masonry, Concrete, Metallic, and Wooden Structures; Roofs; Roads and Pavements.	Apr. 1	Apr. 9	488
6625	34. SAPERSTEIN, S., Electricity, Transmission to Vehicles; Railways, Rolling Stock, Switches, and Signals; Track Sanders.	Mar. 27	Mar. 21	386
3600	35. REYNOLDS, E. C., Card and Sign Exhibiting; Signals; Dispensing; Filling and Closing Portable Receptacles.	Mar. 14	Mar. 14	533
7892	36. McFADYEN, A. D., Measuring Instruments; Force Measuring; Automatic Weighers	Apr. 20	Apr. 20	265
5886 B	37. WEAVER, M. E., Electricity, Circuit Makers and Breakers; Light-Sensitive Circuits	Mar. 9	Mar. 13	378
7510	38. KRAFFT, C. F., Earth Boring; Hydraulic and Earth Engineering; Mining and Quarrying; Stoneworking; Wells; Plastic Compositions.	Mar. 23	Mar. 28	395
4872	39. WHITNEY, F. J., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Apr. 16	Apr. 15	325
7880	40. OBERLIN, J. J., Metallic, Wood, Paper, and Special Receptacles	Feb. 24	Feb. 28	1,078
6082	41. WHITNEY, M. L., Railway and Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes; Railway Draft Appliances; Spring Devices; Typewriting Machines.	Mar. 13	Mar. 17	489
5882	42. CUTTING, H. O., Electric Signaling	Mar. 12	Mar. 9	363
4886 B	43. KLINGE, E. F., Medicines, Poisons and Cosmetics; Bleaching and Dyeing; Explosive Compositions; Sugar and Starch.	Mar. 25	Mar. 25	656
4087 B	44. SHAFFER, C. H., Refrigeration; Dispensing Beverages	Mar. 14	Mar. 14	541
7097	45. HILL, H. D., Pulleys and Shafting; Lubrication; Bearings and Guides; Motors; Valve-Operating Mechanism; Engine Cooling.	Apr. 13	Apr. 13	296
4613	46. TAYLOR, M., Evaporators; Fluid Sprinkling; Fire Extinguishers; Boilers; Heating Systems; Coating Implements.	Mar. 25	Mar. 25	403
7900	47. BARKER, H., Clutches; Brakes	Mar. 27	Mar. 20	494
5731	48. ROEPKE, O. H., Electricity, General Applications; Igniters	Mar. 18	Mar. 18	474
7725	49. SHEFFIELD, E. L., Check-Controlled Apparatus; Ventilation; Driers; Liquid Purification	Apr. 10	Apr. 8	459
4701	50. BLAKE, C. L., Varnish; Coating Processes; Carbohydrate and Condensation Products; Cellulose; Rubber.	Mar. 7	Mar. 7	861
5628	51. BACKUS, C. D., Radiant Energy	Apr. 9	Apr. 9	562
7709	52. KNOTTS, M. K., Supports; Chucks; Joint Packing; Pipe and Rod Joints or Couplings; Tool-Handle Fastenings; Mains and Pipes; Conduits and Housings; Laminated Packing.	Mar. 28	Mar. 23	529
6897	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Education; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens; Toilet; Label Pasting and Paper Hanging.	Mar. 13	Mar. 13	722
5874	54. WAITE, W. E., Electric Lamps; Vapor Electric Devices; Space Discharge Tubes; Electricity, Medical and Surgical.	Mar. 18	Mar. 14	386
6887	55. BOWEN, S. T., Cutlery; Artificial Body Members; Dentistry; Surgery	Feb. 7	Feb. 6	903
4725	56. PORTER, F. J., Electrochemistry; Laminated Fabrics; Paper Making, Substance Preparation	Mar. 20	Mar. 23	740
3625	57. NICOLSON, G. D. G., Cutting and Punching; Bolt, Nut, Rivet, Nail, Screw, Chain, and Horseshoe Making; Driven and Screw Fastenings; Jewelry; Nut and Bolt Locks; Toys; Exercising Devices.	Apr. 13	Apr. 9	280
5605	58. DOWELL, E. F., Abrading; Bottles and Jars	Mar. 25	Mar. 25	399
4709	59. RICHARD, V. L., Chemistry; Fertilizers	Mar. 20	Apr. 2	635
5896	60. GLASS, R. L., Electricity, Heating, and Welding; Batteries; Resistances and Rheostats; Prime-Mover Dynamo Plants.	Apr. 13	Apr. 13	280
6724	61. PARKS, G. E., Laminated Electrical Insulation, Belt, Hose, Tire, and Hall Making; Winding and Reeling; Pushing and Pulling; Horology; Time-Controlling Apparatus.	Mar. 19	Mar. 30	319
3876	62. COCHRAN, W. W., Games; Geometrical Instruments	Mar. 31	Apr. 6	459
4888	63. WINKELSTEIN, A. H., Preserving; Bread, Pastry, and Confection Making; Agitating	Mar. 19	Mar. 20	439
4708	64. NASH, P. M., Acetylene; Distillation; Gas Mixers; Oils, Fats, and Glue; Liquid Coating Compositions; Fuel; Alcohol.	Mar. 26	Mar. 26	706
5624	65. McDERMOTT, F. P., Electricity, Conductors; Repeaters; Relays; Wave Transmission	Feb. 19	Feb. 19	650
2099 B	Trade-Marks, Labels, and Prints: F. A. RICHMOND (Trade-Marks	May 4	May 28	1,318
	(Labels and Prints	May 13	May 29	270
2605	Designs, H. H. KALUPY (Act.)	May 15	June 1	502

CARNEGIE LIBRARY OF ATLANTA

DECISIONS IN PATENT AND TRADE-MARK CASES

U. S. Court of Customs and Patent Appeals

IN RE ALDEN AND POWERS

No. 3,645. Decided February 24, 1936

[81 F.(2d) 875]

PATENT GRANTED ON DIVISIONAL APPLICATION—EFFECTIVE DATE AS REFERENCE.

Where a divisional application corresponds to the original disclosure in the drawing of the parent application, which drawing was voluntarily corrected as being improper and another form of the device substituted in order to procure allowance, *Held* that the disclosure in the divisional application was new matter and the patent granted thereon should not be given the date of the parent application and such patent *Held* not to be a proper reference against the claims of an application of another filed before said divisional application.

APPEAL from the Patent Office. Reversed.

HATFIELD, *J.*, dissenting and GARRETT, *J.*, concurring.

Messrs. Strauch & Hoffman, Mr. William A. Strauch, and *Mr. James A. Hoffman* for Alden and Powers.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

GRAHAM, *P. J.*:

This appeal is from a decision of the Board of Appeals of the United States Patent Office affirming the decision of the Examiner in rejecting claims 12, 13, 15, 21, and 25 to 27, inclusive, of appellants' application for patent, filed March 16, 1934, Serial No. 716,008.

Appellants' application is for reissue of a patent, 1,882,694, issued October 18, 1932, to appellants, as assignors to The Timken Silent Automatic Company, of Detroit, Michigan, for an improvement in oil burners. As shown by the application, the subject matter of the claimed invention is a device constituting a burner head and mounting therefor.

The Examiner thus describes the device and its action:

The invention relates to an oil burner (best shown in Fig. 2) of that type in which a rotary head is disposed centrally of a hearth and sprays oil to the outer periphery of the hearth, where combustion takes places. • • •

The rotary head is supported by the shaft 18 and comprises the channel member 29, into which oil is delivered by the stationary pipe 26—27, and the oil distributing head 14, through which project the distributor pipes 34 through which the oil is discharged by centrifugal force. Supported on the head is a fan 20, having the disk portion 22 and a peripheral down-turned flange with blades, certain of which are omitted opposite the discharge ends of pipes 34.

The pipes 34 are said to discharge oil through the fan in such a way that the fan blades do not strike the oil streams.

Claim 12 is typical, further explains the nature of the device, and is as follows:

12. An oil burner comprising an annular wall, a fan having a disk-like body provided with an annular skirt depending from its periphery, said skirt having a multiplicity of blades projecting outwardly therefrom, said fan being supported for rotation above and in closely spaced relation to said annular wall, a distributor head having radially extending pipes disposed within said fan and terminating relatively close to said skirt, and openings in said skirt opposite said pipes, said openings being spaced from said blades so that oil may be discharged without interference from said blades.

On November 6, 1934, the appellants copied claims 7 and 8 of a patent to Meikle, No. 1,977,521, issued October 16, 1934, for purposes of interference. On November 14, 1934, the Examiner finally allowed certain of appellants' claims, and rejected others, including those here in controversy. These latter claims were rejected on two grounds, first, that they were for new matter, not included in the original patent; second, on the reference: Meikle, 1,977,521, October 16, 1934 (issued on application Serial No. 706,456, filed January 13, 1934, as a division of an application Serial No. 291,032, by G. Meikle, filed July 7, 1928, entitled "Method of and apparatus for producing combustion).

On appeal, the Board of Appeals differed with the Examiner and reversed him as to his first said ground of rejection and affirmed his decision as to the rejection on Meikle. From that decision, the appellants have appealed.

Both tribunals in the Patent Office held that the Meikle patent, No. 1,977,521, should be given the date of the parent application, namely, July 7, 1928. If given this date, it would antedate appellants' original patent, dated October 18, 1932. On the other hand, appellants claim that the Meikle patent, No. 1,997,521, was based on a disclosure of new subject matter, not found in the parent application, that it was not a true division of the original subject matter, and that, therefore, the Meikle divisional patent was not entitled to the date of filing of its own application. The determination of the controversy depends upon this point.

In the parent application of Meikle, filed July 7, 1928, the applicant disclosed a burner head by means of which liquid hydrocarbon fuel was conducted into a revolving breaker member, and from which it was thrown out by centrifugal force in a separated and atomized form to be burned, together with air, upon a baffle structure on the periphery of a hearth. The breaker member consisted of a revolving cup with tubes, and a top, cap-shaped member with a flange covering the same, the flange being cut away at places, and being provided with baffles at such points. The liquid hydrocarbon fuel was drawn or forced into the burner head for atomization through tubing 78. As shown by the original drawings accompanying this application of Meikle, these pipes were shown to terminate close to the periphery of the flange, so that fuel might be ejected, free from the interference of the baffles or blades of the breakers.

In the specification of this application, the nature and function of the breakers and their baffles were thus explained:

In order to insure proper atomization of the liquid hydrocarbon fuel and the proper admixture of air for combustion purposes, the nozzle or cup member 16 is provided with a top member 30 that is secured to the shaft 22 so as to rotate therewith, the top member having an out-

wardly- and downwardly-extending flange 31 which intercepts the combustible mixture emitted from the edge of the nozzle or cup 16 when rotating. For this purpose the flange has segments thereof cut away and is provided with baffles 32. The top members thus constructed are termed "breakers", since they operate to effect a more complete atomization of the hydrocarbon fuels and entrainment of air in the process of combustion. • • •

Any convenient arrangement may be employed for this purpose, for example, the disposition shown in Fig. 3 where it is seen that the blades 32 have a direction somewhat inclined to a radius drawn through its middle point, the inclination of the blades here being such that they respectively lie substantially along the paths of the trajectories of fuel particles when they leave the lip or edge of the nozzle at the point opposite which the respective baffles are disposed. • • •

The breakers thus constructed, perform a three-fold function, namely, first, that of cooperating with the burner nozzle to effect substantially complete atomization of the hydrocarbon fuel projected from the burner nozzle; second, that of redistributing the combustible mixture projected from the burner nozzle in a plurality of horizontal and vertical radial planes instead of in a single sheet; and third, that of entraining air and other gases which are admixed with the combustible mixture projected from the burner. • • •

Here more air may be added to the mixture, the resultant mixture passing out over the nozzle lip at points adjacent the pick-tubes 17 toward the openings in flange 31. In passing through these openings, the fuel particles come in contact with baffle blading 32 where they are further atomized in a plurality of vertical and horizontal planes, • • •

As this hydrocarbon stream, issuing from the tubing 78, passes through the outer breakers, it is seen to become atomized to provide the combustible mixture desired.

In consideration of this application, the Examiner called the applicant's attention to the fact that his drawings and specification conflicted, stating:

• • • Since the tubing 78 extends almost to the outer ends of blading 82 as seen in Fig. 10, it is apparent that the hydrocarbon stream from each tube 78 will be thrown clear of the blades and will not pass through them to become atomized thereby.

• • • • • • • • •

The "means" in line 4 are the breaker blades of Figs. 1 to 7 but since the blades of the so-called breaker of Figs. 8 to 10 do not function to atomize the oil this cannot be read on Figs. 8 to 10.

In response to this, on January 23, 1929, Meikle filed an amendment and remarks, in which explanatory remarks, he said, in part:

The Examiner's objection to lines 7, 8, and 9, page 6, is also noted and a word of explanation is thought to suffice.

In the present invention, a sheet of fuel is not thrown out as in many burners of the prior art. Instead globules are thrown off from the lip of the burner cup which are mechanicslly atomized still further by the blades 32 and then thrown radially outwardly as very fine particles.

• • • • • • • •

The description at the bottom of page 12 has also been amended to avoid the objection noted. The objection to the description of Fig. 7 is believed to be avoided.

The objection to the disclosure on page 14 is also believed to be taken care of by the above remarks, when it is remembered that the fuel here at no time is a continuous sheet but a plurality of particles. As a consequence, the blading 82 shown in Fig. 10 does cooperate in atomizing the fuel as above explained, although the larger portion of this blading is employed in moving air. • • • The Examiner has correctly construed the means referred to in line 4 but is mistaken in assuming that the same element is included twice in his construction of the claim as to the means in line 5. The means referred to in line 5 comprises the holes at 34 together with the blades 32 in Fig. 1.

On September 26, 1929, the Examiner repeated his rejection saying, in part:

The objection of record to page 14, last three lines, is repeated. Since the oil does not contact with blading 82, the blading cannot atomize the oil.

• • • • • • •

However, in Figures 8 to 10, there are no means associated with the head for atomizing the fuel since, as above brought out, the fuel is thrown clear of the blades 82 in Figures 8 to 10.

Thereafter, on March 19, 1930, the attorneys for Meikle made the following request to the office:

It is requested that the drawing in the above entitled case be amended, and that the draftsman be instructed to make the following changes:

• • • • • • •

In Figs. 8 and 10, it is requested that the tubes 78 be shortened and the baffle structure 82 be indicated as in front of the same, as indicated in red in the accompanying sketch, in order thereby that the drawing may correspond with the description in the specification and claims.

Meikle also filed an affidavit on March 19, 1930, under rule 76 of the Patent Office, in which affidavit he said, in part:

The breaker blades interposed in the path of the fuel globules further atomize the particles by collision, and since these blades are in a state of relatively rapid rotation, a field of force operates across them, so as to cause the fuel particles to flow along the same in a direction substantially radial with respect to the rotating fuel cup. • • • and I have noted that the fuel particles when they collide with a breaker blade, disintegrate into a number of smaller particles which tend to spread themselves along the vertical edge of a rotating breaker blade, • • •. Each breaker blade operates in substantially the same manner. On account of the collision of the stream of fuel particles with the edge of my burner cup, breaker blades are only required to be placed along a relatively small arc of the circumference of the burner cup adjacent a pick tube, in order adequately to atomize all the fuel projected by the burner cup. I, therefore, use a group of blades associated with each pick tube to accomplish the complete atomization of all the fuel lifted by the burner cup of my invention. • • •

On December 6, 1930, the proposed change of drawings was made, and Figures 8 and 10 were so changed as to show the tubes 78 terminating back of the outer row of baffles. Thereafter the application was put into interference with the application of one Heath, which interference, so far as this record shows, is still pending.

The conclusion is inescapable, from this record, that in his parent application, Meikle discloses a device in which atomization of the fuel is caused, in part, by contact with breaker blades or baffles and that, to help accomplish this purpose, the conductor tubes deliver the fuel from a point back of the outer blades.

A further consideration of the record makes it quite evident that Meikle departed from this disclosure in his divisional application and patent. Here he filed, as a part of his application, copies of the drawings originally filed in his parent application, showing the conducting tubes terminating near the circumference of the breaker head, substantially flush with the periphery of the breaker blades. In his specification he says, in part:

• • • As this hydrocarbon stream or jet, issuing from the tubing 41, passes through the space or gap between a pair of the outer breakers, it is seen to become atomized to provide the combustible mixture desired. • • • This baffle structure is disposed to function in a three-fold manner, namely, to deflect the impinging gases upwardly; to retard the gases in their course upon impingement; and to store heat.

In our view of the case, Meikle's disclosure, in this respect, was of new matter. Here he sought and obtained a patent upon subject matter which he had disclaimed in his parent application. It is our opinion, on examination of said parent application, that, at the time it was filed, Meikle had no conception of the invention here involved. Certainly, therefore, his divisional patent should not be given the date of the parent application. The Examiner makes the following suggestion, which, apparently, is approved by the Board of Appeals:

• • • While it is true that Figs. 8 and 10 of the Meikle application Serial No. 291,032, were later amended to show a construction which does not agree with the device shown in the patent, the figures in the patent drawing agree in all respects with the drawings as originally filed in Meikle's application, Serial No. 291,032 (bing Figs. 1, 8, 9, and 10 thereof), and it is held that the changes made in Figs. 8 and 10 of the above drawings were improperly made. Meikle is within his rights in correcting an error made during the prosecution of his parent application; the filing of his divisional application is a partial correction to be completed by subsequent restoration of the drawings and specification of the parent application to their original forms.

This, apparently, is an attempted confession and avoidance on the part of the Patent Office. If the Office was right in requiring amended drawings in the parent application, and we think it was, it is wrong now. Nor have we been advised that it was legally permissible to amend a parent application by the filing of a divisional application.

The Solicitor for the Patent Office relies upon *Writer* v. *Kiwad*, 20 C. C. P. A. (Patents) 869, 63 F.(2d) 259, 431 O. G. 263, as supporting the decision of the Board of Appeals. As it seems to the court, that case is clearly distinguishable from the case at bar. In the case cited, in Kiwad's original application, he showed two separate structures for making hats, and division was required by the Examiner. Kiwad cancelled out the claims, drawings, and descriptive matter relating to one of the species. The court held that he had not abandoned the invention as to this species thereby, but might have the benefit of the date of filing of the parent application in further proceedings, as to the divisional application. This differs much from the case at bar wherein a disclosure originally made in a drawing is voluntarily corrected as being improper and another form substituted, in order to procure allowance.

The decision of the Board of Appeals is reversed.

Reversed.

HATFIELD, *J.*, (dissenting):

Claims 12 and 26 are illustrative of the claims here involved. They read:

12. An oil burner comprising an annular wall, a fan having a disk-like body provided with an annular skirt depending from its periphery, said skirt having a multiplicity of blades projecting outwardly therefrom, said fan being supported for rotation above and in closely spaced relation to said annular wall, a distributor head having radially extending pipes disposed within said fan and terminating relatively close to said skirt, and openings in said skirt opposite said pipes, said openings being spaced from said blades so that oil may be discharged without interference from said blades.

26. In an oil burner, a motor driven rotatable head having fuel distributor tubes, and a fan surmounting the head and having a turned peripheral edge portion carrying a plurality of fan blades, said peripheral edge portion having a plurality of openings extending therethrough at points adjacent said fan blades, the discharge ends of said fuel distributor tubes terminating adjacent openings in said peripheral edge portion between a pair of said blades spaced circumferentially a greater distance than an adjacent pair of blades for discharging streams of fuel through said openings substantially free from blade impact.

The reference is: Meikle, 1,997,521, October 16, 1934, (issued on application Serial No. 706,456, filed January 13, 1934 as a division of an application Serial No. 291,032, by G. S. Meikle, filed July 7, 1928, entitled "Method of and apparatus for producing combustion").

Appealed claims 25 and 26 are claims 7 and 8 in the patent to Meikle, No. 1,977,521, and were copied by appellants for the purpose of interference.

As noted in the above description of the reference, the Meikle patent was issued on an application claimed to be a division of a prior application, Serial No. 291,032, which alleged parent application was pending in the Patent Office at the time this case was decided by the Board of Appeals.

The invention in issue relates to oil burners of the rotary type, and, for the purpose of this case, is sufficiently described in the appealed claims.

The issue here, so far as the structure defined in the appealed claims, e. g., claim 26, is concerned, relates to the fuel distributor tubes.

It will be observed that claim 26 calls for

"the discharge ends of said fuel distributor tubes terminating adjacent openings in said peripheral edge portion between a pair of said blades spaced circumferentially a greater distance than an adjacent pair of blades for discharging streams of fuel through said openings substantially free from blade impact."

It is clear from the record, and it is conceded by counsel for appellants, that Meikle's parent application as originally filed disclosed in the drawings the structure claimed in his divisional application. Counsel for appellants contend, however, that Meikle's written specification, explaining the mode of operation, was inconsistent with the structure disclosed in the drawings, and that the device would not operate as claimed by him.

It appears from the record that during the prosecution of the alleged parent application, there was considerable discussion between the Examiner and counsel for Meikle as to whether the invention disclosed and claimed in that application would operate in the manner claimed, the Examiner taking the view that as the fuel tubes extend

"almost to the outer ends of blading 82 as seen in Figure 10 it is apparent that the hydrocarbon stream from each tube 78 will be thrown clear of the blades and will not pass through them to become atomized thereby."

Although it appears that, for a time, counsel for Meikle disagreed with the views of the Examiner, they eventually acquiesced therein, and, on March 19, 1930, requested that the Patent Office drawings be modified by showing a shortening of the tubes, and the "baffle structure 82" be indicated as in front of them, "in order thereby that the drawing may correspond with the description in the specification and claims." The drawings were so modified on June 29, 1931.

Counsel for appellants contend that subsequent to the amendment made on June 29, 1931, Meikle's parent application did not disclose the structure, nor contain a description, of the involved invention, and that, therefore, there was nothing in the alleged parent application upon which his divisional application, which matured into patent, No. 1,977,521, could be based; that Meikle was not entitled to the filing date of his parent application for constructive reduction to practice of the involved invention, which he claimed in his alleged divisional application; and that, accordingly, the patent issued on the alleged divisional application is not a proper reference.

The Primary Examiner disagreed with counsel for appellants, and held that Meikle's parent application clearly disclosed the involved invention; that his application which matured into patent, No. 1,977,521 was a true division of his parent application; that Meikle was entitled to the filing date of his parent application for constructive reduction to practice of the invention claimed in his divisional application; that in view of the fact that appellants failed to establish by affidavit, as provided by rule

94 of the Rules of Practice in the United States Patent Office, that they made the invention prior to the filing date—July 7, 1928—of Meikle's parent application, they were not entitled to have their application placed in interference with the Meikle patent; and that the Meikle patent was a proper reference.

In affirming the decision of the Primary Examiner, the Board of Appeals said:

> The disclosure in the Meikle patent has been carved out of the disclosure of the earlier Meikle application as filed on July 7, 1928. During the prosecution of said earlier application the Office was instructed to shorten the tubes 78. It is applicants' position that Meikle should not have been permitted in his divisional application to show the tubes of the original length in view of such instructions and in view of an affidavit in the earlier Meikle application as to the manner in which the spray is formed. *The affidavit is not inconsistent with the manner of formation of the spray in other modifications of the Meikle device.*
>
> The Examiner holds that the proposed changes in the earlier Meikle application involved new matter and that the disclosure of the Meikle divisional application is consistent with the original disclosure in the earlier Meikle application.
>
> We are of opinion that the Examiner's conclusion in this respect is sound. Clearly enough, as originally shown there were no blades opposite the ends of the pipes and the pipes were of such length that the illustrated blades could not interfere with the projection of the oil from the ends of the pipes. The statement at the bottom of page 14 of the specification that "as this hydrocarbon stream, issuing from the tubing 78, passes through the outer breakers, it is seen to become atomized to provide the combustible mixture desired", does not necessarily mean that the breakers contribute to the atomizing action as they do in the other forms of the Meikle device. [Italics ours.]

Appellants' contentions, relative to the facts in issue, are two-fold: first, although Meikle's parent application may have disclosed the structure of the involved invention, there was an inconsistency between the written description of the mode of operation and the "structure", which inconsistency was not corrected until his alleged divisional application was amended on September 14, 1934, by the insertion of the following statement:

> • • • The jet or stream of fuel passes into the combustion chamber substantially free from impact with the fan blades due to the preferred construction, herein disclosed by way of example, in which the end or ends of the fuel distributor tube or tubes terminate at a point or points adjacent the fan blades and preferably in a position to discharge the jet or stream of fuel outwardly through a space between the peripherally disposed fan blades • • •;

second, as the drawings in the parent application were amended on June 29, 1931, by showing a shortening of the fuel tubes, there was thereafter no disclosure whatsoever of the involved invention in the parent application.

The structure here involved was fully disclosed both in the drawings and in the written specification of Meikle's parent application as originally filed. I quote from his specification as it appears in the record:

> A burner head structure adapted for supplying a greater volume of combustible than any of the preceding constructions is shown in Fig. 8. In the construction here shown, the burner cup 16 has pick tubes 17 cut off in horizontal planes [parallel]* a short distance above the base of the cup and has tubing 78 connected thereto leading radially outward through slots 79 cut in the edge of the cup 16. The breaker head in this instance comprises a pair of nested breaker members 80 and 80', the member 80 being a large outside one, whereas the member 80' is smaller and has its depending flange portion disposed within that of the breaker 80. The blading for these breakers is shown respectively at 82 and 82'. This blading is preferably disposed entirely about the circumference of the breaker, as indicated in Fig. 9. The manner in which this blading is provided is shown more clearly in Fig. 10 where it is seen that a blade member 82'' is shown as a bent-back wing, cut from a rectangular opening 81', formed in the depending flange of the breaker. The tubing 78 is seen to pass through the blading 82' ['']* extending adjacent [into]* the blading 82. This tubing is preferably flattened so as to have a relatively elongated outer end which may be disposed diagonally across the space of one of the breaker blades. In this manner the stream of fuel lifted by a pick tube issues as a relatively flat stream, which, by reason of the diagonal disposition of the end of the tube across the blade structure, as shown in Fig. 9, readily breaks vertically distributing itself in [into]* a plurality of horizontal planes. While the burner cup or nozzle, shown in Fig. 8 has air openings, as shown at 19', the air which passes through these openings is not mixed within the cup with the hydrocarbon fuel. The air which is thus drawn into the cup, passes on to be mixed with the fuel over the hearth in the combustion chamber; this blading being extended entirely about the circumference of the breaker is adapted to set in motion a large amount of air. The liquid fuel lifting means is also adapted to lift a corresponding large amount of fuel.
>
> [*Words and figures enclosed in brackets erased in copy.]

Immediately following the description of the elements of the involved structure, Meikle stated that

> "As this hydrocarbon stream, issuing from the tubing 78, passes through the outer breakers, it is seen to become atomized to provide the combustible mixture desired."

It is true that the last quoted statement is not a full and complete description of the mode of operation of the disclosed structure. Nevertheless, it is not inconsistent with the proposition, which is not challenged here, that the oil was discharged from the fuel distributor tubes "substantially free from blade impact," as called for in the appealed claims.

Rule 71 of the Rules of Practice in the United States Patent Office provides that "no change in a drawing may be made except by permission of the office," and then only after a photographic copy of the original drawing has been filed.

No showing having been made to the contrary, it will be presumed that the mandates of rule 71 were complied with.

Counsel for appellants contend that the involved invention was not clearly disclosed in Meikle's parent application as originally filed, and it is asserted in the majority opinion that he never had any conception of it. Nevertheless, no claim is made here, either by counsel for appellant or by a majority of the court, that the invention was not sufficiently disclosed therein to enable one skilled in the art to construct and use it. It is stated, however, in the majority opinion that Meikle "sought and obtained a patent upon subject matter which he had disclaimed in his parent application." Just why he should disclaim something he never had disclosed, is not explained.

Meikle having clearly disclosed a structure by which a new and useful result was obtained, and on which the appealed claims read, it is immaterial whether he understood or correctly stated in his parent application, or in his divisional application, so far as the issues here are concerned, the scientific principle upon which it operated. *In re Modine*, 19 C. C. P. A. (Patents) 1058, 57 F.(2d) 355, 420 O. G. 811.

In my opinion, there is nothing of record to indicate that Meikle either disclaimed or abandoned the involved invention, which, as hereinbefore stated, he fully disclosed both in the drawings and in the written specification of his parent application, by the amendment made to the parent application on June 29, 1931, or that the disclosure of it was physically withdrawn from the "file wrapper" of that application. He might properly have been permitted to withdraw the amendment, and to present claims to the involved invention in that application for interference purposes. *Writer* v. *Kincad*, 20 C. C. P. A. (Patents) 869, 878, 63 F.(2d) 259, 431 O. G. 263. During the prosecution of an application, an applicant always has the right to withdraw amendments thereto, *and it is elementary* that cancellation of drawings and written descriptions of, and claims to, an invention disclosed therein is not an abandonment of such invention under those circumstances. It is only when he has permitted his application to mature into patent without the filing of a divisional or other application reasserting his right to the invention theretofore cancelled that any question arises as to his rights in the premises. *Hobbs* v. *Beach*, 180 U. S. 383, 94 O. G. 2357; *Overland Motor Company* v. *Packard Motor Company, et al.*, 274 U. S. 417, 363 O. G. 211; *Montgomery Ward & Co. Inc.* v. *Gibbs*, 27 F.(2d) 466; *Cosper* v. *Gold*, 36 App. D. C. 302, 168 O. G. 787; *Hartford-Empire Co.* v. *Obear-Nester Glass Co. et al.*, 71 F.(2d) 539. Furthermore,

> "divisional applications are not to be dealt with in a hostile spirit, but are to be 'favored to the extent that where an invention clearly disclosed in an application • • • is not claimed therein but is subsequently claimed in another application, the original will be deemed a constructive reduction of the invention to practice and the later one will be given the filing date of the earlier, with all of its priority of right.' "

Webster Elec. Co. v. *Splitdorf Elec. Co.*, 264 U. S. 463, 327 O. G. 219.

Counsel for appellants contend, and the majority of the court holds, that the only support in Meikle's divisional application for the subject-matter of the appealed claims was introduced by the amendment of September 14, 1934, hereinbefore quoted; and that the amendment involved new matter.

I am unable to concur in those views. In my opinion, the amendment includes nothing more than a partial description of a structure theretofore fully disclosed, both in the parent and divisional applications, and, in addition thereto, a statement that the fuel was discharged through "a space between the peripherally disposed fan blades." The structure could operate in no other way. Accordingly, the stated mode of operation would be obvious to one skilled in the art.

I am of opinion, therefore, that Meikle's application, which matured into patent, No. 1,977,521, was a true division of his parent application; that the patentee Meikle is entitled to the filing date—July 7, 1928—of his parent application for constructive reduction of the involved invention to practice; that as appellants failed to establish by affidavit, in accordance with rule 94, supra, that they had made the invention prior to July 7, 1928—the filing date of Meikle's parent application, they were not entitled to have their application placed in interference with the Meikle patent, No. 1,977,521; that the Meikle patent is a proper reference; and that, for the reasons stated, the appealed claims are unpatentable to appellants.

GARRETT, *J.*, concurs.

U. S. Court of Customs and Patent Appeals

IN RE PLACE

No. 3,567. Decided February 24, 1936

[81 F.(2d) 870]

PATENTABILITY—FASTENER.

Claims for a metallic spring fastener *Held* patentable over the prior art.

APPEAL from the Patent Office. Reversed.

GRAHAM, *J.*, and BLAND, *J.*, dissenting.

Messrs. Strauch & Hoffman and *Mr. James A. Hoffman* for Place.

Mr. R. F. Whitehead and *Mr. Howard S. Miller* for the Commissioner of Patents.

LENROOT, *J.*:

From a decision of the Board of Appeals of the United States Patent Office, affirming that of the Primary Examiner in denying patentability, in view of the prior art, of claims 21, 23, 24, and 25 of appellant's application for a patent, appeal has been taken here. The application relates to a fastener in the nature of a snap fastener or spring stud fastener which is designed for securing upholstery panels to the interior of automobile bodies. The particular construction of appellant's device is sufficiently shown by the terms of each of the claims involved, of which claim 21 is illustrative and which is as follows:

> 21. A metallic spring stud fastener complete in itself for securing a perforated panel to a supporting structure and capable of resilient expansion and contraction in entering an aperture in a wall of the supporting structure, formed from a single elongated strip of relatively stiff metal of a width materially less than the diameter of said aperture by bending the intermediate portions thereof on lines transverse to the length of said strip to form a resilient shank having a nose and two outwardly bowed legs, and by bending the ends to form separate head sections capable of free movement toward and from each other upon contraction and expansion of said shank, said head sections being disposed in planes substantially at right angles to the length of the shank, said legs between said head sections and the point of maximum outward bowing converging throughout a distance many times the normal thickness of said wall of said supporting structure so that the fastener is adapted to hold panels to walls of varying thicknesses with a continuously effective yielding pressure.

The references relied upon are: Saunders, 244,675, July 19, 1881; Bauer, 321,940, July 14, 1885; Hamburger, 432,938, July 22, 1890; Place, 1,679,266, July 31, 1928.

In addition to the above references, there appears in the record the French patent to Plaut, 387,068, of April 28, 1908, which was cited by the Examiner as disclosing the limitations in claims 15 and 18 relating to the substantially closed loop head of the fastener. The Board disagreed with the Examiner as to the applicability of the reference Plaut to said feature of claims 15 and 18, and reversed the Examiner's holding as to these two claims. Claims 15 and 18 and the reference Plaut are, therefore, not before us for consideration.

The Examiner's decision in this appeal does not set out his detailed application of the references to appellant's structure, but states that the claims stand finally rejected on the grounds stated in an interference decision in interference No. 62,812. The decision, by the Examiner of Interferences, in said interference, was appealed from to the Board of

Appeals and the decision of the Examiner of Interferences was affirmed.

The Board of Appeals in its decision in the instant case reversed the Examiner's action as to claims 15 and 18, affirmed the same as to the other claims involved, and in its decision said:

> Claims 21, 23, 24, and 25 correspond to the issue counts of Interference No. 62,812. During the pendency of that interference, we had occasion to pass on the patentability of these claims and held them unpatentable over appellant's prior patent in view of Hamburger and the other equivalent disclosures above referred to. We have given some consideration to the question of the patentability of these claims but find no reason for changing the views formerly expressed.

The Board's decision in said interference case is not in the record at bar, but it does appear that the claims were found unpatentable there upon the same references as are cited here.

In considering the applicability of the references, it is important to note that the involved claims call for a fastener which is made of a single piece of wire, which, by bending at the middle portion thereof, forms a resilient shank consisting of a nose and two legs having outwardly bowed portions. Appellant's structure, therefore, is a fastener with two parts to the head formed by the ends of the bended wire which press together or nearly so as the nose enters the opening into which the fastener is projected. The nose or portion which penetrates the object to which the panel is to be fastened is diamond-shaped and is continuous at the point.

An important element of the various claims is that described in claim 21 as follows:

> • • • and by bending the ends to form separated head sections capable of free movement toward and from each other upon contraction and expansion of said shank, said head sections being disposed in planes substantially at right angles to the length of the shank, • • •.

This element is set forth in similar language in all of the other claims here on appeal, and it, in conjunction with other elements of the claims, permits a wedging action so that the panel is drawn or wedged firmly upon the supporting structure.

The fastener in appellant's patent, while being made of a single wire, differs from the structure involved here in that the ends of the wire are not continuous at the point of the nose but overlap each other in such a way as to permit the legs of the diamond-shaped nose to be pressed closer together, thereby permitting the entrance into the opening in the object to which the panel is to be fastened. Unlike the structure at bar, the head of the fastener is continuous and is not designed to flex or spread for the purpose aforesaid.

The patent to Hamburger is for a fastener for use with the textile fabrics which is made in two parts, the male element of which is of concern here. This portion is clamped upon the surface of a fabric and the female element upon the surface of another fabric. The male element consists of a diamond-shaped resilient shank or nose which, when placed into the opening of the other element, flexes inwardly along the sides or legs of the nose.

The patent to Bauer shows a fastener for gloves and other articles which is in the form of an elastic button which is designed to be attached to a flat metallic spring strip, and in this manner used for closing openings in garments such as the flaps in gentlemen's trousers. The feature of the fastener relied upon by the tribunals below is that of the nose or protruding portion of the fastener which is continuous to the shank ends forming the head.

The patent to Saunders relates to a fastener for shoes, and the construction of the spring stud therein which holds together two pieces of material is quite similar to Hamburger's fastening device and the garment fastener of Bauer.

With respect to appellant's prior patent the Board of Appeals in its decision stated:

> • • • Structurally, the diamond element of the former fastener comprises parts which are separated at two of the angles instead of one, as in the present case. Flexing consequently takes place in accordance with a somewhat different principle. However, the remaining references show equivalent constructions wherein flexing *in our opinion* takes place in the same manner. Hamburger, for instance, shows a fastener including a male element of diamond shape having heads which are designed for application to one of the parts to be united. [Italics ours.]

Inasmuch as the Board states that the structure of appellant's application differs from the structure of his prior patent, and that the flexing of the fastener here involved "takes place in accordance with a somewhat different principle," we fail to see wherein appellant's prior patent has any relevancy to the issue before us.

With respect to the Hamburger patent, neither in the drawings nor the specification is there shown

> "separated head sections capable of free movement toward and from each other upon contraction and expansion of said shank,"

and neither of the Patent Office tribunals specifically so found because, as hereinafter noted, there was no discussion in the decision of either of the Patent Office tribunals of the element of the claims here under consideration.

It is apparent that the flexing of the fastener shown by Hamburger is obtained only through a lengthening and shortening of the diamond-shaped shank, which is the same principle involved in appellant's prior patent, rather than by a lateral movement of the head sections toward and from each other. The drawings in the Hamburger patent which are relevant here are Figures 1 and 2; they show no clearance between the head sections at the base of the shank, and it must be borne in mind that these drawings show the male element in relaxed position, before flexing. Furthermore, Hamburger positively contemplates and provides for fixed anchoring of these head sections in the material to which his male element is applied. Bearing in mind that each of the claims on appeal requires that the head sections be "capable of *free* movement toward and from each other" [italics ours], as expressed in claim 21 and in equivalent language in the other claims, we can not see how it can be said that this element of the claims is met by the reference Hamburger.

From these considerations, it is not only our opinion that flexing of said shank can not take place in Hamburger's structure under the principle underlying appellant's device here involved, but also that Hamburger himself could never have contemplated such principle, and certainly his patent does not teach it. For this reason we are of the opinion that the Board of Appeals was in error in relying upon Hamburger for a principle of flexing admittedly not present in appellant's prior patent.

This being true, the wedging action of the head sections and shank secured by appellant's device is not possible in the device disclosed by Hamburger. These same observations are also applicable to the other references relied upon by the Patent Office tribunals.

We think it proper to observe that we find no discussion in the decision of the Board, or in the statement of the Examiner, with respect to the element of the claims here under consideration. It is our opinion that this element is not disclosed by the references, and that from such references this element would not be obvious to one skilled in the art. We are further of the opinion that said element lends novelty and utility to the structure described in the claims and that the claims are patentable.

For the reasons stated, the decision of the Board of Appeals is reversed.

Reversed.

GRAHAM, *P. J.*, (dissenting):

I dissent. I am of opinion that the reference patent to Hamburger discloses the alleged patentable feature here involved, namely, separated head sections capable of free movement toward and from each other. The attachment to a textile does not prevent such free movement. If it did, Hamburger's device would not be operable at all.

BLAND, *J.*, (dissenting):

I must respectfully dissent from the decision of the majority which reversed that of the Board.

The majority thinks that none of the references show that feature of the four claims involved which is expressed in claim 21 by the following language:

> "by bending the ends to form separate head sections capable of free movement toward and from each other upon contraction and expansion of said shank,"

and that so constructing the head sections in the combination set out in the claims amounted to invention.

The tribunals below concurred in holding the claims unpatentable over appellant's prior patent in view of Hamburger and the other equivalent disclosures of record.

Although once standing allowed, the Examiner, after the Board in a former appeal had held the claims at bar unpatentable for the foregoing reasons, again considered claims 15 and 18 and rejected them upon Plaut in view of Bauer, Hamburger or Place, and stated that it would not require invention in outwardly bowing the leg portions 6 of the fastener in Plaut in the manner shown to be old in Bauer, Hamburger or Place. The Examiner referred to Plaut for two purposes: To show the separated head sections feature and also to illustrate how the outwardly bowed leg portions of Plaut might be made the equivalent of that feature in the appealed claims without involving invention. The Board stated that the Examiner relied upon Plaut "primarily, to show legs which terminate in closed loops". The Board thought Plaut's problem was entirely different from that of the appellant and that his disclosure did not fairly suggest the modification of the Hamburger or similar devices "to provide his fastener elements with legs which terminate in closed loops". The Board, therefore, reversed the Examiner as to claims 15 and 18.

Now, it will be observed that the Board only disagreed with the Examiner in his consideration of Plaut in relation to the showing there of "legs which terminate in closed loops". The Board, however, relies upon the other references of record in its affirmance of the Examiner's rejection of the appealed claims.

I feel certain that Hamburger squarely anticipates that feature of the claims relating to the head sections being capable of free movement toward and from each other. If there is any ground for concluding that there is some slight difference between the Hamburger device and that of appellant in this respect it would then seem certain that it would not require invention to modify the Hamburger device. An examination of the drawing of the male member of the Hamburger fastening device discloses that it has the resilient diamond-shaped shank, composed of a strip of metal, bent in the intermediate portions which form the resilient shank, and that the metal is so bent as to form head sections which are separated and, at least in some degree, are capable of free movement toward and from each other upon contraction and expansion of said shank. It must be remembered that the Hamburger device is for use in textiles, the flexibility of which textile would permit some flexing of the legs and head portions.

Since claims 15 and 18 had been allowed and since the instant appeal does not involve these claims, the Solicitor for the Patent Office stated that the patent to Plaut was not before this court. If this court's holdings in *In re Tucker and Reeves*, 19 C. C. P. A. (Patents) 810, 54 F.(2d) 815, 416 O. G. 286, and *In re Wagenhorst*, 20, C. C. P. A. (Patents) 991, 64 F.(2d) 780, 433 O. G. 223, are strictly applied here, it might be proper to hold that this court, in considering the action of the Board in affirming the rejection of the appealed claims, should not consider the Plaut reference. Therefore, any reference to the same hereinafter is not made with a view of suggesting that Plaut may be resorted to by us as a reference which may be given the same consideration as the other references, but is for the purpose of illustrating that if this court is to be helpful to the Patent Office under the particular jurisdiction which, for reasons which seemed compelling, we outlined for ourselves, we should not split hairs when we consider proper record references and should not, by a divided court, reverse the Board and cause claims to be allowed in the face

of facts, to which we cannot close our eyes, which show them to be invalid.

An examination of the Plaut patent would seem to settle beyond controversy that the feature in the appealed claims relied upon by the majority to lend patentability was old in the art of fasteners. Plaut has two separate head sections capable of free movement toward and from each other upon the contraction and expansion of the shank and Plaut so describes them in his application.

He states:

• • • The fastening part will thus be kept in place with sufficient certainty to prevent the button from coming detached by accident. It can, however, be detached when desired by manipulating the disks 7 so as to compress the shaft 6; the fastening part can then be withdraw[n] as will easily be understood.

The Board states, in reversing the Examiner who relied upon certain features of the Plaut patent as to claims 15 and 18, not hereinvolved, that:

Inasmuch as Plaut's problem was entirely different from that of the appellant, we are of the opinion that his disclosure does not fairly suggest the modification of the Hamburger or similar devices to provide his fastener elements with legs which terminate in closed loops.

The difference in the problem between Plaut and the applicant was not said to exist in relation to the feature of the claims relied upon by the majority.

It is my view that if the Patent Office includes the four appealed claims here involved in the patent which it will issue (and I do not say whether or not it is compelled to do so), it will thereby assert *prima facie* validity to claims which everyone concerned in the situation must know, in view of the foregoing, are wholly invalid (if their validity depends upon the matter relied upon by the majority). In view of all the foregoing considerations, the point which I chiefly wish to stress is: Why is it thought necessary to reverse, by a divided court, the decision of the Board on such questionable grounds?

The decision of the Board of Appeals should be affirmed.

Patent Suits

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922]

1,262,860, S. B. Smith, Incubator, D. C., M. D. Pa., Doc. 1147, *S. B. Smith* v. *A. J. Weaver*. Patent held valid Apr. 8, 1936. Doc. 1149, *S. B. Smith* v. *M. S. Sterner*. Decree as above. Doc. 1151, *S. B. Smith* v. *F. A. Phillips*. Decree as above Oct. 21, 1935. Doc. 1156, *S. B. Smith* v. *J. W. Matthew*. Decree as above Apr. 9, 1936. Doc. 1161, *S. B. Smith* v. *D. H. Stoner*. Decree as above Oct. 31, 1935.

1,359,880, C. Dunn, Self filling fountain pen, filed Apr. 20, 1936, D. C., S. D. N. Y., Doc. E 82/886, *M. B. Swanholm* v. *L. E. Waterman & Co.* Doc. E 82/387, *M. B. Swanholm* v. *Aiken-Lambert Co.*

1,382,931, A. L. Prevost, Clothespin and manufacture thereof, appeal filed Apr. 6, 1936, C. C. A., 1st Cir., Doc. 3141, *Penley Bros. Co.* v. *L. A. Hall.*

1,385,741, J. W. Dillon, Sound deadener of building structures, C. C. A., 2d Cir., Doc. 14437, *Guaranty Trust Co. of N. Y. et al.* v. *Johns-Manville Corp.* Decree affirmed (notice Apr. 20, 1936).

1,436,459, J. Reece, Seat cover, filed Apr. 17, 1936, D. C., E. D. N. Y., Doc. E 7935, *Ever-Klean Seat Pad Co.* v. *J. Rice.*

1,464,338. (See Re. 19,342.)

1,508,624, A. C. Soule, Window mounting, D. C., S. D. Calif. (Sacramento), Doc. 1202-K, *Simplex Window Co.* v. *T. F. Scollan.* Dismissed for lack of prosecution Apr. 13, 1936.

1,569,823, F. Maccarone, Shoe structure, C. C. A., 2d Cir., Doc. 14504, *F. Maccarone et al.* v. *Pincus & Tobias, Inc.* Decree affirmed (notice Apr. 20, 1936).

1,570,364, J. Wieder, Sample tab, filed Apr. 16, 1936, D. C., S. D. N. Y., Doc. E 82/880, *Standard Sample, Inc., et al.* v. *J. Stein (National Sample Card Co.).*

1,595,958, F. C. Andersen, Window frame, D. C. Minn. (St. Paul), Doc. E 2332, *Andersen Frame Corp.* v. *Pacific Mutual Door Co.* Dismissed without prejudice Apr. 7, 1936.

1,605,445, F. L. Killian, Machine for manufacturing thin rubber articles, D. C., S. D. Calif. (Los Angeles), Doc. E 859-S, *F. B. Killian* v. *I. W. Robertson, et al. (General Rubber Products Co.).* Consent decree for plaintiff, suit dismissed as to T. Blewett Apr. 9, 1936.

1,627,723, P. P. Bebry, Tufted mattress button, D. C., E. D. N. Y., Doc. E 6846, *Mohawk Mfg. Co., Inc., et al.* v. *The Defiance Button Machine Co.* Consent decree for plaintiff Apr. 11, 1936.

1,662,035, 1,710,804, F. L. Smith, et al., Tire retreading mold; 1,760,944, E. A. Glynn, D. C. Utah (Salt Lake City), Doc. E 12910, *Super Mold Corp.* v. *J. V. Roving (Roving Truck Tire Shop).* Dismissed without prejudice Mar. 19, 1936.

1,710,804. (See 1,662,035.)

1,713,628, R. E. Schletter, Attachment for flat knitting machine, D. C., S. D. N. Y., Doc. E 63/32, *Textile Machine Works* v. *Louis Hirsch Textile Machines, Inc.* Decree for plaintiff (notice Apr. 13, 1936). Same, filed Apr. 20, 1936, D. C. Pa., Doc. 8307, *Textile Machine Works* v. *Rosedale Knitting Co.*

1,721,851, M. Blicher, Reenforced armhole construction for garment of light weight materials, D. C., S. D. N. Y., Doc. E 77/135, *M. Blicher* v. *Joseph Bros., Inc.* Decree dismissing complaint on merits, and dismissing counterclaim without prejudice (notice Apr. 14, 1936).

1,732,211, Olin & Schuricht, Small calibre rifle bullet and process of making same; 1,907,218, A. G. Schuricht, Ammunition case, D. C., S. D. Ohio, W. Div., Doc. E 869, *Western Cartridge Co.* v. *The Peters Cartridge Co.* Patents held valid and infringed (notice Apr. 13, 1936).

1,760,944. (See 1,662,035.)

1,793,673, E. V. Camp, Resilient traffic guard, C. C. A., 4th Cir., Doc. 3977, *J. M. Oates (Highway Safety Appliance Co.)* v. *E. V. Camp.* Decree affirmed Apr. 6, 1936.

1,830,768, I. M. Rod, Art of making garments, filed Apr. 16, 1936, D. C., E. D. Pa., Doc. 9393, *Rokap Corp* v. *S. Teplick et al. (Teplick & Eisenberg Bros.).* Same, filed Apr. 21, 1936, D. C., E. D. Pa., Doc. 9390, *Rokap Corp.* v. *H. J. Ettelson et al.*

1,862,914, W. E. Wagner, Propellant powder and process of making same, D. C., S. D. Ohio, W. Div., Doc. E 873, *Western Cartridge Co.* v. *The King Powder Co. et al.* Patent held valid and infringed (notice Apr. 13, 1936).

1,887,523, E. S. Schenkel, Sign illumination, filed Apr. 9, 1936, D. C., E. D. Pa., Doc. 9383, *E. S. Schenkel* v. *Gill Glass & Fixture Co.*

1,907,218. (See 1,732,211.)

1,907,564, Osborn & Taylor, Automatic takeoff and trap for a sawing machine, D. C. Oreg. (Portland), Doc. E 9513, *Smooth Saw Equipment Co.* v. *Forest Lumber Co.* Decree for complainant Feb. 18, 1936.

1,912,780, E. F. Lautz, Oscillatory joint; 1,936,556, same, Link; 1,940,258, same, Connecting link, D. C., S. D. Ohio, W. Div., Doc. E 808, *Houde Engineering Corp.* v. *P. O. B. Mfg. Co., Inc.* Consent decree holding patents valid and infringed (notice Apr. 15, 1936).

1,927,185, Power & Bradley, Resistor unit and method of making same, filed Apr. 17, 1086, D. C., W. D. Pa., Doc. E 3202, *Allen-Bradley Co.* v. *Erie Resistor Corp.*

1,936,556. (See 1,912,780.) 1,940,258. (See 1,912,780.)

1,994,961, J. J. Proskauer, Advertising device, filed Jan. 20, 1936, D. C., E. D. Pa., Doc. 9267, *W. C. Popper & Co.* v. *Pennsylvania Liquor Control Board.*

2,005,539, S. K. Everett, Yarn, filed Apr. 15, 1936, D. C., S. D. N. Y., Doc. E 82/379, *S. K. Everett et al.* v. *Hahlo & Solomon, Inc.*

2,030,661, A. Stone, Clothing container, filed Apr. 17, 1936, D. C., S. D. N. Y., Doc. E 82/384, *A. Stone et al.* v. *R. Abraham et al. (The Raymond Co.).* Same, filed Apr. 21,1936, D. C., S. D. N. Y., Doc. E 82/390, *A. Stone et al.* v. *Weiss & Gerringer, Inc.*

Re. 19,342 (of 1,464,338), R. L. Puccinelli, Dehydrator, filed Apr. 16, 1936, D. C., S. D. Calif. (Los Angeles), Doc. E 121-D, *Chapman Dehydrator Co.* v. *C. E. Jenan et al.*

Des. 83,115, A. Levine, Briefcase lock, filed Apr. 15, 1936, D. C., S. D. N. Y., Doc. E 82/377, *Preston Lock Corp.* v. *N—E—Eda Lock Corp.*

Des. 91,849, J. Sobie et al., Textile fabric trimming, D. C., S. D. N. Y., Doc. E 78/272, *J. Sobie et al.* v. *B. M. Jefferson & Co., Inc.* Consent order of discontinuance (notice Apr. 18, 1936).

Des. 93,985, F. N. Lewis, Fitted pocket book, D. C., S. D. N. Y., Doc. E 79/303, *F. N. Lewis et al.* v. *S. B. Rubin.* Consent decree for plaintiff (notice Apr. 20, 1936).

Des. 97,981, B. Benjamin, Shoe, filed Apr. 15, 1936, D. C., S. D. N. Y., Doc. 82/378, *Schwartz & Benjamin, Inc.* v. *Felsway Shoe Corp. et al.*

Des. 98,075, A. M. Knopf, Dress display case, D. C., E. D. Pa., Doc. 9269, *A. M. Knopf et al.* v. *P. Goldstein.* Decree pro confesso Apr. 22, 1936.

T. M. 157,516, Hart-Shaw-Miller Drug Co., Blood purifier and cleanser and system builder, D. C., E. D. La. (New Orleans), Doc. E 130, *E. J. Granger* v. *T. Dunne et al.* Dismissed Apr. 9, 1936.

T. M. 176,638, T. M. 233,734, T. M. 233,735, The E. Kahn's Sons Co., Lard, C. C. A., 6th Cir., Doc. 6874, *The E. Kahn's Sons Co.* v. *The Columbus Packing Co.* Trade-marks held not infringed Apr. 18, 1936.

T. M. 177,026, H. Jevne Co., Coffee, tea, cocoa, biscuit flour, canned fish, etc., filed Apr. 18, 1936, D. C. Tex. (Corpus Christi), Doc. E 97, *The Arkansas City Flour Mills Co.* v. *A. M. Cain et al.*

T. M. 233,734. (See T. M. 176,638.)

T. M. 233,735. (See T. M. 176,638.)

Trade-Mark Registrations Canceled

115,562. Dental paste, almond-cream, and cold-cream. Armin Wald, New York, N. Y. Registered February 20, 1917. Canceled June 4, 1936.

147,955. Detergent and polishing material. The Chemical Utilities Company, Cincinnati, Ohio. Registered November 8, 1921. Canceled June 4, 1936.

162,495. Canned fruits, vegetables, and fish; and coffee. Dreyfus Bros., Tulsa, Okla. Registered December 19, 1922. Canceled June 4, 1936.

220,314. Wire rope. A. Leschen & Sons Rope Company, St. Louis, Mo. Registered November 9, 1926. Canceled May 23, 1936.

224,230. Lubricating oils and greases. Julian Petroleum Corporation, Los Angeles, Calif. Registered February 22, 1927. Canceled April 30, 1936.

239,479. Liquefied petroleum products. The Baltimore Gas Engineering Corporation, Charleston, W. Va. Registered March 6, 1928. Canceled May 23, 1936.

297,963. Medicinal preparations for the treatment of colitis. Kolag Company, New York, N. Y. Registered October 4, 1932. Canceled May 23, 1936.

320,851. Cough syrup compound. Allied Brands, Inc., New York, N. Y. Registered January 8, 1935. Canceled May 23, 1936.

322,363. Suspenders, garters, arm bands, and belts. Pioneer Suspender Company, Philadelphia, Pa. Registered March 5, 1935. Canceled June 4, 1936.

328,679. Ice cream and evaporated milk. Hershey Creamery Company, Harrisburg, Pa. Registered October 1, 1935. Canceled June 9, 1936.

329,556. Prepared alcoholic cocktails and highballs. Clay E. Brehm, doing business as O-G Beverage Department, Cincinnati, Ohio. Registered November 5, 1935. Canceled May 23, 1936.

333,019. Butter. Hershey Creamery Company, Harrisburg, Pa. Registered March 10, 1936. Canceled June 9, 1936.

15,663. Boxes. Hoague-Sprague Corporation, Lynn, Mass. Registered April 21, 1936. Canceled May 29, 1936.

BULLETIN OF DECISIONS OF PATENT OFFICE ON TRADE-MARKS, LABELS, AND PRINTS

RENDERED DURING MAY, 1936

VANITY FAIR SILK MILLS *v.* AMERICAN MANUFACTURING CORPORATION, INC., Cancellation No. 2,660.

In a decision rendered May 2, 1936, (159 Ms. Dec. 671), *Assistant Commissioner Frazer* held that American Manufacturing Corporation, Inc., of New Orleans, La., was not entitled to register, under the Act of 1920, the notation "Skinfit" for use on women's underwear, and that the registration which it had obtained should be cancelled in view of the prior adoption and use by Vanity Fair Silk Mills, of New Orleans, La., and Reading, Pa., of the mark "Skintites" for the same goods.

The ground of the decision is that the marks used by the respective parties are confusingly similar.

In his decision, after referring to section 1 (*b*) of the Act of 1920, and to the decision of the Solicitor of the Department of Interior, (277 O. G. 181) construing that section and noting certain other decisions with reference to the meaning of the Act, he stated that it must be held that:

"• • • if registrant's mark so nearly resembles that of petitioner 'as to be likely to cause confusion or mistake in the mind of the public or to deceive purchasers' registrant is 'not entitled to the exclusive use of the mark,' and its registration should be canceled."

With reference to the likelihood of confusion by reason of the use of the marks, he said:

"Both parties have adopted marks calculated to emphasize the fact that the undergarments to which the marks are applied conform closely to the figure of the wearer. In doing so each has selected an expression that may properly be used to define that of the other. Registrant's garments are known as 'Skinfit' because they fit tightly to the skin, and petitioner's garments are called 'Skintites' for exactly the same reason.

"Being substantially the same in meaning and quite similar in sound and appearance, I am convinced that the concurrent use of these two marks on identical goods would be more than likely to cause confusion."

AMERICAN MANUFACTURING CORPORATION, INC., *v.* VANITY FAIR SILK MILLS, Cancellation No. 2,703.

In a decision rendered May 2, 1936, (159 Ms. Dec. 673), *Assistant Commissioner Frazer* held that Vanity Fair Silk Mills, of Reading, Pa., and New Orleans, La., was not entitled to register the term "Skintites" as a trade-mark for knitted and textile underwear, since this term is merely descriptive of the goods.

With reference to the character of the mark, after stating that about the year 1930 a demand had grown up in the garment trade for an unusually close-fitting and wrinkle-proof type of underwear for women, he said:

"Years previously the adjective 'skintight' and the noun 'skintights' had served to designate garments fitting tightly to the skin, particularly those worn by chorus girls and acrobats, but had more recently fallen into disuse along with the articles they described. When 'skintight' underwear for women came into vogue the expression was quite naturally revived in the trade as aptly describing the new product. Persuasive of this situation is the fact that in 1935 the word 'skintight' made its first appearance in Webster's New International Dictionary, and is there defined as an adjective meaning 'closely fitted to the figure' and as a noun meaning 'a skintight garment'.

"I am convinced that this word is and was at the time of the registration merely descriptive of registrant's goods, whether employed as an adjective or as a noun, and whether in its singular or plural form. Nor do I think it material that the word as registered is phonetically spelled. It sounds the same and conveys the same meaning as before, and if 'skintight' or 'skintights' is descriptive 'skintite' or 'skintites' is equally so."

With reference to the right of petitioner for cancellation to maintain the proceeding, after referring to the decision of the Court of Customs and Patent Appeals in *United Shoe Machinery Corporation* v. *Compo Shoe Machinery Corporation*, 56 Fed.(2d) 292, 19 C. C. P. A. 1009, and quoting therefrom, he said:

"Petitioner does not claim to have used the word 'Skintites', as a trade-mark or otherwise; but as a manufacturer of merchandise aptly described by that notation, it does claim the right to use the equivalent words 'skintight' and 'skintights' in the conduct of its business, and that prima facie the registration deprives it of that right. In my opinion no further showing of damage is required."

He also quoted from *Model Brassiere Co.* v. *Bromley-Shepard Co.*, 49 Fed.(2d) 482, 18 C. C. P. A. 1294, and said:

"The fact that petitioner here is dealing in so-called 'skintight' garments manifestly gives it 'a greater interest than a member of the general public,' for the obvious reason that the registration interferes with its use of the very name of its goods. I am convinced that petitioner has thus shown sufficient likelihood of damage to bring itself within the purview of the statute as one who may properly 'deem himself injured.'"

OLDMILL PAPER PRODUCTS CORP. *v.* VORTEX CUP COMPANY, Cancellation No. 2,726.

In a decision rendered May 6, 1936, (159 Ms. Dec. 676), *Assistant Commissioner Frazer* held that Vortex Cup Company, of Chicago, Ill., was entitled to register the term "Twinkles", as a trade-mark for paper cups, notwithstanding the prior use and registration by Oldmill Paper Products Corp., of Long Island, N. Y., of two marks which disclose the representation of a windmill across which appear the notations "Crinkle Cups" and "Crinkle", respectively, as trade-marks for paper cups, baking cups, baking dishes and the like, and that the petition for cancellation was properly dismissed.

In his decision, after noting that the word features of the marks of petitioner had been disclaimed apart from the marks as a whole, he said:

"The representation of a windmill thus constitutes not only a prominent feature of the marks, but the only feature to which exclusive claim is made. A comparison of the complete marks disclosed in petitioner's registrations with that of respondent convinces me that they are sufficiently dissimilar to insure against any reasonable likelihood of confusion."

With reference to petitioner's alleged use of the terms "Crinkle" and "Crinkle Cups" standing alone, he said:

"Most of petitioner's goods have a crinkled edge, and of such goods the notations 'Crinkle' and 'Crinkle Cups' are clearly descriptive; but petitioner contends that certain of its flat 'liners' do not have such a crinkled portion. The exhibits submitted in evidence support this contention, but also demonstrate that neither of the bare notations 'Crinkle' and 'Crinkle Cups' has been used as a trade-mark thereon. Each of the uncrinkled exhibits is watermarked with petitioner's trade-mark shown in registration No. 255,940, which is the representation of a windmill with the words 'Crinkle Cups' superimposed thereon; and this same trade-mark appears on the cartons in which these uncrinkled products are said to have been shipped."

He then said:

"As petitioner could not own the word 'Crinkle' as a trade-mark for goods of which it is merely descriptive, and has not established use of that word on any other character of merchandise, I can find no authority in the statute to warrant the cancellation of respondent's registration, even though it be assumed that the registered mark is confusingly similar to petitioner's descriptive word."

KOTEX COMPANY *v.* JACOB G. FRIEMAN, Opposition No. 14,222.

In a decision rendered May 9, 1936, (159 Ms. Dec. 678), *Assistant Commissioner Frazer* held that Jacob G. Frieman, of Attica, Ohio, is entitled to register the term "Unitex" as a trade-mark for a "sanitary shield and supporter," notwithstanding the prior use by Kotex Company, of Chicago, Ill., of the term "Kotex," as applied to sanitary napkins.

With reference to the error alleged because an amendment to the notice of opposition was not permitted to include an allegation of other goods upon which the mark had been used, the Assistant Commission said:

"The statute requires that a notice of opposition be filed 'within thirty days after publication of the mark sought to be registered;' and as pointed out in the case of *Hannis Distilling Co.* v. *George W. Torrey Co.*, 32 App. D. C. 530:

"'If the amendment does not contain matter constituting new grounds of opposition no advantage can result to the opponent from its admission and the amendment should be denied; if it does set out new grounds of opposition it is brought too late and cannot be allowed.'"

With reference to the similarity of the marks, after stating that decisions could be found on both sides of the question of confusing similarity and that while prior adjudications are helpful, in the sense they serve as guide posts, it rarely happens that one exists which could be relied on as controlling, he said:

"The only point of similarity between the marks here involved lies in the final syllable 'tex.' Otherwise the two words are distinctly different in spelling, sound and appearance; nor is there any similarity in the manner of their display. Viewed in their entireties I am clearly of the opinion that the two marks are sufficiently dissimilar that there is no reasonable likelihood that confusion will result from their concurrent use on the goods of the parties." (Citing *B. T. Runner Co.* v. *W. F. Young*, 77 Fed. (2d) 638, 22 C. C. P. A. 1206, in which the marks "Robene" and "Absorbine" were held free from confusing similarity even though applied to substantially the same goods).

THE DOW CHEMICAL COMPANY *v.* THE INTERSTATE AMIESITE CO., INC., Opposition No. 13,976.

In a decision rendered May 19, 1936, (159 Ms. Dec. 680), *Assistant Commissioner Frazer* held that the use and registration by The Dow Chemical Company, of Midland, Mich., of the name "Dow" enclosed in a diamond-shaped border, and the word "Dowflake", as a trade-mark for calcium chloride, which is used in certain types of road construction, is not sufficient to justify the refusal of registration to The Interstate Amiesite Co., Inc., of Wilmington, Del., of the name "Downard," as a trade-mark for bituminous paving and bituminous paving material, but that the applicant was not entitled to register its mark because it was merely descriptive of the goods and was not a name written in a particular or distinctive manner.

With reference to the goods of the two parties, he said:

"Both these marks are applied to calcium chloride, which is used in certain types of road construction. While these goods are specifically quite different from applicant's bituminous paving material, their common use doubtless justifies the conclusion that they belong to the same class of merchandise for purposes of trade-mark registration."

With reference to the question whether the two marks are confusingly similar, he said:

"The Examiner concluded they are not, and with that conclusion I am constrained to agree. Were the goods identical the question might be more difficult, but when the differences in the goods are considered in connection with the differences in the marks I am convinced that there is no reasonable likelihood of confusion. *Purer Corporation* v. *United Drug Co.* (C. C. P. A.), 67 Fed. (2d) 918."

With reference to the descriptiveness of the word "Downard", as applied to the goods, after stating that applicant is one of several licensees under a patent issued to James Shelby Downard for an asphalt paving composition, and in common with the other licensees has been granted the right to use the name "Downard", he said:

"While it may be true, as applicant urges, that the name 'Downard' has not been accepted 'by the public as a descriptive word of our language,' it seems clear from the record that to the trade 'Downard' has reference to the patented article regardless of its source of origin, and to that extent at least the word has become descriptive."

With reference to the manner in which the mark is displayed, he said:

"In the brief applicant describes its mark as 'a distinctively displayed surname trademark comprising the name "Downard" in block capitals crowded together in cigar-shape-form, with letters of smaller size tapering from the center "N" toward both extremities, and with a panel in the center partially obscuring the letters and bearing thereon the words "Rock Asphalt", in block letters of uniform size.' The drawing, however, shows no words in the panel, and the panel itself, which is outlined merely by an erasure through the center of part of the letters, lends but little of distinctiveness to the display as a whole. To my mind, the impression conveyed by the mark is nothing more nor less than the name 'Downard.'"

EX PARTE MOHAWK BRUSH COMPANY, Serial No. 351,220.

In a decision rendered May 20, 1936, (159 Ms. Dec. 684), *Assistant Commissioner Frazer* held that Mohawk Brush Company, of Albany, N. Y. is not entitled to register, under the act of 1905, the notation "Bristlecomb" as a trade-mark for hair brushes.

The ground of the decision is that the mark is merely descriptive of the goods.

In his decision the Assistant Commissioner said:

"There can be no doubt that the word 'bristle" is descriptive of a hair brush; and applicant's product appears to be nothing more than a combined brush and comb, or a bristle brush having the additional properties or characteristics of a comb. It thus seems clear that the mark 'Bristlecomb' consists merely in words which in combination are descriptive of the goods with which they are use, or of the character or quality of such goods; and registration is expressly forbidden by the terms of the statute."

CARNEGIE LIBRARY OF ATLANTA

With reference to applicant's argument that the composite nature of the mark keeps it from being description, he said:

"As no part of applicant's mark is fanciful and arbitrary, a disclaimer of the word 'bristle' apart from the word 'comb,' and of the word 'comb' apart from the word 'bristle,' cannot serve to bring this case in line with the decision in Ex parte Pillsbury Flour Mills Co., 450 O. G. 3, relied upon by applicant, because in permitting such a disclaimer in that case it was held that the word 'minute,' or its phonetic equivalent 'minit,' of the composite mark 'Minitmix,' was suggestive rather than descriptive of the goods involved."

Then, after referring to the case of *W. G. Reardon Laboratories* v. *B. & B. Exterminators*, 71 Fed. (2d) 515 (C. C. A. 4), in which the term "Mouse Seed" was held not objectionably descriptive of a rodent exterminator, he said:

"That case, however, is readily distinguishable from the one at bar in that, as pointed out in the opinion, the words there under consideration when used together 'possess an element of incongruity which makes them unusual and unique,' because 'in the ordinary acceptance of the word "seed" it would never convey to the mind by its use alone anything poisonous.' In the combination of words adopted by applicant I can find nothing incongruous. As stated in the brief 'it has been common practice for many years to manufacture and sell what are generally termed "military hair brushes," being a pair of brushes which are commonly used to both comb and brush the hair;' and if a bristle brush is used as a comb, it would seem neither unusual nor unique to refer to it as a bristle comb."

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 30, 1936

[VOL. 467. No. 5]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 1 of said act, a fee of ten dollars must accompany each notice of opposition.

CLASS 2

Receptacles

Ser. No. 377,889. J. F. STURDY'S SONS CO., Attleboro Falls, Mass. Filed May 1, 1936.

BOXETTE

For Jewelry Display Trays or Mountings.
Claims use since Dec. 21, 1935.

Ser. No. 378,428. COLGATE-PALMOLIVE-PEET COMPANY, Jersey City, N. J. Filed May 14, 1936.

PALMOLIVE

For Decorative Tin Containers.
Claims use since September, 1933.

CLASS 3

Baggage, Animal Equipments, Portfolios, and Pocketbooks

Ser. No. 376,688. JACOB NEUMANN, doing business as Crown Luggage Company, Baltimore, Md. Filed Apr. 1, 1936.

SKI—LITE by CROWN

For Luggage—Namely, Wardrobes, Fitted Luggage, Overnight Cases, Week-End Cases, Hat Boxes, Empty Vanity and Make-Up Cases, and Utility Cases.
Claims use since Mar. 20, 1936.

Ser. No. 377,792. HARDY LUGGAGE, INC., New York, N. Y. Filed Apr. 29, 1936.



The drawing is lined for blue. The words "Leather Craftsmen" are disclaimed apart from the mark as shown.
For Trunks, Suitcases, Bags, Briefcases, Fitted Cases, Hat Boxes, Wallets, and Travelling Luggage Generally.
Claims use since November, 1935.

CLASS 4

Abrasive, Detergent, and Polishing Materials

Ser. No. 374,076. THE BAND BOX CORPORATION, St. Louis, Mo. Filed Jan. 25, 1936.

NUTRENE

For Soap, Particularly Detergent and Neutralizing Soap for Dry Cleaning Solvents.
Claims use since Aug. 13, 1935.

Ser. No. 376,155. FRANK T. JAMIESON, Cleveland, Ohio. Filed Mar. 17, 1936.



All wording except "Paranu" is disclaimed apart from the mark.
For Paste Products Compounded from Cleansing, Preserving, and Other Materials for Rejuvenating and Cleaning Rubber in Tires, Running Boards, Floor Mats, Matting, and Other Rubber Products.
Claims use since Mar. 3, 1936.

Ser. No. 376,806. KAROL PREPARATIONS, INC., New York, N. Y. Filed Apr. 4, 1936.

KAROL
CREAM SHAVE
THE Waterless WAY



The words "Cream Shave" and "The Waterless Way" are disclaimed apart from the mark as shown.
For Shaving Cream.
Claims use since Dec. 18, 1935.

Ser. No. 377,095. THEODORE E. BROWN, Berwyn, Ill. Filed Apr. 11, 1936.

BROWNIE



For Sharpening Devices for Knives and the Like in the Nature of a Hone or Whetstone.
Claims use since Nov. 1, 1935.

Ser. No. 377,096. CLOVER MANUFACTURING CO., Norwalk, Conn. Filed Apr. 11, 1936.

COMET

For Sandpaper, Silicon Carbide Paper and Cloth, Aluminous Oxide Paper and Cloth, Garnet Paper and Cloth, Emery Paper and Cloth, and Similar Abrasive Materials.
Claims use since Mar. 15, 1936.

Ser. No. 377,281. ROLLS RAZOR LIMITED, London, England. Filed Apr. 16, 1936.

ROLLS RAZOR

The word "Rolls" is disclaimed apart from the mark as shown.
For Shaving Soap.
Claims use since June 1, 1928.

Ser. No. 377,561. THE WARNER CHEMICAL COMPANY, New York, N. Y. Filed Apr. 23, 1936.

FOSKLOR

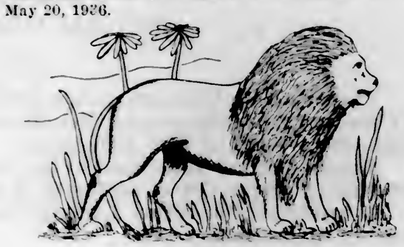
For Chlorinated Phosphatic Detergent Used as a Combined Detergent and Germicide.
Claims use since Apr. 18, 1936.

Ser. No. 377,787. ANDREW W. FITZ, doing business as Royal Products Company, Council Bluffs, Iowa. Filed Apr. 29, 1936.

BUCKET MAGIC!

For Cleaning Compound for Rugs, Carpets, Upholstered Furniture, Painted Walls and Woodwork, and All Cotton and Woolen Goods Dyed with Fast Colors.
Claims use since Nov. 5, 1935.

Ser. No. 378,664. ALVINE W. LYON, doing business as The Lyon Specialty Company, New York, N. Y. Filed May 20, 1936.



LION

For Cleansing Preparation for Felt, Beaver, Velvet, and Similar Fabrics.
Claims use since Nov. 1, 1906.

CLASS 5

Adhesives

Ser. No. 378,427. CHEMSTIX CHEMICALS, INC., Chicago, Ill. Filed May 14, 1936.

CHEMSTIX

For Adhesive Preparation for Medical, Chiropodical, and Orthopedic Uses.
Claims use since Aug. 6, 1930.

CLASS 6

Chemicals, Medicines, and Pharmaceutical Preparations

Ser. No. 361,401. ELMER E. PRUITT, Blytheville, Ark. Filed Feb. 14, 1935.

ELMER E. PRUITT'S
RED MAN HERB OIL

The words "Herb Oil" are disclaimed apart from the mark.
For Medicinal Preparation for Diarrhoea, Flux, and Disorder of the Stomach, and Treatment for Diseases of Kidney and Bladder.
Claims use since Jan. 23, 1935.

Ser. No. 374,415. JOSEPH B. LANDRAM, doing business as Dad Landram, Milwaukie, Oreg. Filed Feb. 3, 1936.

Dad Landram's



The portrait is that of the applicant.
For General Health Tonic.
Claims use since Jan. 25, 1936.

Ser. No. 374,533. SHACKELTON INHALER COMPANY, Grand Rapids, Mich. Filed Feb. 5, 1936. Under 10-year proviso.

BREATHE
PINE
AIR
AT
HOME

For Balsam Compound for Sinus Trouble, Hayfever, Asthma, Colds, Catarrh, Bronchitis, Neuralgia, and Headaches.
Claims use since 1881.

Ser. No. 375,036. VIENNESE LABORATORIES, INC., Brooklyn, N. Y. Filed Feb. 19, 1936.

C. U. D.

For Cough Mixture, Cold Breaker, General Tonic, Stomach and Indigestion Mixture, Liniment for External Use, Nose Drops, Rheumatic Mixture, Hair Tonic, Hair Restorer, Hand Lotions, Medicinal Mineral Oil, Cod Liver Oil, Milk of Magnesia, Laxative, Toothpaste, Tooth Powder, Mouth Wash, Throat Gargle, Stomach Gas Mixture, Rubbing Alcohol, and Rubbing Salve for Babies.
Claims use since 1929.

Ser. No. 376,261. ANDERSON CHEMICAL COMPANY, Litchfield, Minn. Filed Mar. 23, 1936.

NEWTROZONE
"A"

For Neutralizer and Sweetener Preparation for Treating Cream.
Claims use since Jan. 1, 1926.

Ser. No. 376,262. ANDERSON CHEMICAL COMPANY, Litchfield Minn. Filed Mar. 23, 1936.

ANDERSON'S
NEWTROZONE
"B"

For Neutralizer and Sweetener Preparation for Treating Cream.
Claims use since Jan. 1, 1926.

Ser. No. 376,297. JACOB NAGLER, New York, N. Y. Filed Mar. 23, 1936.

Joan A'dore

For Facial Creams.
Claims use since Jan. 2, 1931.

Ser. No. 376,423. LOUIS BEAUREGARD, New York, N. Y. Filed Mar. 26, 1936.

Wild Boar

For Corn and Callous Medicine.
Claims use since Mar. 14, 1936.

Ser. No. 376,440. POOCHIE CHOW MFG. CO., Tulsa, Okla. Filed Mar. 26, 1936.

POOCHIE



For Medicated Food Preparation for Use in Eliminating Worms from the Intestinal Tracts of Animals.
Claims use since Feb. 1, 1936.

Ser. No. 376,652. HAZEL VOKES, Los Angeles, Calif. Filed Mar. 31, 1936.

SEKOV



For Obesity Reducing Tablets.
Claims use since Jan. 1, 1936.

Ser. No. 376,700. WALTER WEINBERGER, New York, N. Y. Filed Apr. 1, 1936.

paglo

For Astringents, Astringent Cerates, Beauty Creams, Bleach Creams, Cold Creams, Cleansing Creams, Obesity Creams, Refreshing Creams, Vanishing Creams, Obesity Astringents, Dry Rouges, Liquid Rouges, Face Bleaches, Face Packs, Skin Whitener in Liquid and Solid Forms, Eyebrow and Eyelash Grower, Eye Drops, Eye Lotions, Eyebrow Pencils, Chemical Preparations Suitable for the Darkening of Eyelashes and Eyebrows, Hand Lotions, Skin Lotions, After Shaving Lotions, Styptic Pencils, Pomades, Face Powders, Body Powders, Sachets, Hair Salves, Hair Elixirs, Dandruff Preparations, Hair Tonics, Hair Oils, Shampoos, Hair Dyes, Bath Salts, Bath Oils, Bath Powders, Bath Crystals, Smelling Salts, Lip Sticks, Incense, Tooth Powders, Mouth Washes, Dentifrices, Tooth Pastes, Depilatories, Nail Creams, Nail Powders, Nail Bleaches, Nail Polishes, Nail Polish Removers, Witch Hazel, Peroxide, Petroleum Jellies, Witch Hazel Salves, Camphor Creams, Foot Powders, Corn Salves, Deodorants, Disinfectants, Bay Rum, Perfumes, and Toilet Waters.
Claims use since November, 1934.

Ser. No. 377,122. JAMES B. MCCOMB, New York, N. Y. Filed Apr. 11, 1936.

BUGrief

For Insecticide.
Claims use since Apr. 4, 1936.

Ser. No. 377,155. THE HOOD-LAX CORPORATION, New York, N. Y. Filed Apr. 13, 1936.

CAL-PAR

For Calcium and Vitamin B Preparation.
Claims use since Apr. 9, 1936.

Ser. No. 377,159. MER-KIL PRODUCTS CO., Hollywood, Calif. Filed Apr. 13, 1936.

MER-GURA

For Chemical Germicide of Organic Mercury in Ointment and Lotion Form.
Claims use since Apr. 6, 1936.

Ser. No. 377,187. I. G. FARBENINDUSTRIE AKTIENGESELLSCHAFT, Frankfort-on-the-Main, Germany. Filed Apr. 14, 1936.

Torantil

For Standardized Preparation of Intestinal Mucous Membrane for the Treatment of Conditions of Allergic and Intestinal Intoxication.
Claims use since Jan. 15, 1936.

Ser. No. 377,222. THE HAMADALA COMPANY, INC., Cleveland, Ohio. Filed Apr. 15, 1936.

HAMADALA

For Internal Medication for Hemorrhoids.
Claims use since Feb. 1, 1902.

Ser. No. 377,230. PAYLESS DRUG CO., Hollywood and Modesto, Calif. Filed Apr. 15, 1936.

KATHLEEN STARK

For Cosmetics and Toilet Preparations—Namely, Face Powder, Cleansing Cream, Tissue Cream, Astringent Lotion, Liquid Foundation Cream, and Brilliantine.
Claims use since Apr. 1, 1936.

Ser. No. 377,323. RED & WHITE CORPORATION, doing business as Service Products Co., Chicago, Ill. Filed Apr. 17, 1936.

G-MAN

For Insecticides.
Claims use since Mar. 20, 1936.

Ser. No. 377,329. E. R. SQUIBB & SONS, New York, N. Y. Filed Apr. 17, 1936.

EXADOL

For Vitaminic Preparations.
Claims use since Apr. 15, 1936.

Ser. No. 377,336. DEWEY AND ALMY CHEMICAL COMPANY, Cambridge, Mass. Filed Apr. 17, 1936.

DAXAD

For Chemicals Used as Dispersing Agents in the Preparation of Dispersions of Pigments, Colors, Calcareous, and Aluminous Substances.
Claims use since Jan. 24, 1936.

Ser. No. 377,359. LAWRENCE T. HOPKINSON, doing business as Aquacide Company, Washington, D. C. Filed Apr. 18, 1936.

AQUACIDE

For Treating Substance for Preserving and Facilitating the Production of Meal and Oil from Fish, Fish Waste, and Analogous Organic Material.
Claims use since Mar. 18, 1936.

Ser. No. 377,360. KUHNE-LIBBY CO., New York, N. Y. Filed Apr. 18, 1936.

PENETRO



For Rust Remover Applied to Metallic Fittings, Joints, and Connections.
Claims use since Mar. 13, 1936.

Ser. No. 377,389. FORD HOPKINS COMPANY, doing business as Insecticide Research Bureau, Chicago, Ill. Filed Apr. 20, 1936.

MOTH-PEL

For Insecticides—Namely, a Moth Spray.
Claims use since Apr. 1, 1936.

Ser. No. 377,403. H. J. MAYER & SONS CO., Chicago, Ill. Filed Apr. 20, 1936.

DISSOLVO

For Meat Curing Compound.
Claims use since Feb. 15, 1936.

Ser. No. 377,411. NEW ENGLAND ALCOHOL COMPANY, Everett, Mass. Filed Apr. 20, 1936.

CARDOX

For Solid Carbon Dioxide.
Claims use since Dec. 18, 1935.

Ser. No. 377,438. THE NEW JERSEY ZINC COMPANY, Jersey City and Franklin, N. J. Filed Apr. 20, 1936.

LEAFOX

For Zinc Product Used for Spraying or Dusting Trees or Plants.
Claims use since Feb. 13, 1936.

Ser. No. 377,441. ABBOTT LABORATORIES, North Chicago, Ill. Filed Apr. 21, 1936.

ALDARSONE

For Bactericides.
Claims use since May 1, 1935.

Ser. No. 377,451. BECK, KOLLER & CO., INC., Detroit, Mich. Filed Apr. 21, 1936.

BECKOPHEN

For Synthetic Resin to Be Used for Moulding and Fabricating Purposes.
Claims use since March, 1936.

Ser. No. 377,511. CLEN S. HUMPHREY, Brooklyn, N. Y. Filed Apr. 22, 1936.

BRUSHFIT

For Tooth Powder.
Claims use since Mar. 9, 1936.

Ser. No. 377,544. D. FUNSTON COMPANY, Chicago, Ill. Filed Apr. 23, 1936.

MUCILLOID GRANULES

The word "Granules" is disclaimed except as used in conjunction with the other features of the mark.
For Preparation for the Treatment of Irritations and Inflammation of the Lower Intestines and Colon, Stasis, Chronic Constipation, Colitis, and Diarrhea.
Claims use since February, 1935.

Ser. No. 377,575. EGERT PRODUCTS COMPANY, Cleveland, Ohio. Filed Apr. 24, 1936.



Egret

For Deodorant Cream.
Claims use since February, 1932.

Ser. No. 377,607. SPRATT'S PATENT (AMERICA) LIMITED, London, England, and Newark, N. J. Filed Apr. 24, 1936.

CHEXMATE

For Repellent for Keeping Dogs Away from Females When in Season.
Claims use since Apr. 13, 1936.

Ser. No. 377,767. PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Apr. 27, 1936.

HESPERAL

For Hypnotic and General Anesthetic.
Claims use since Apr. 14, 1936.

Ser. No. 377,771. THE CALCO CHEMICAL COMPANY, INC., Bound Brook, N. J. Filed Apr. 29, 1936.



The drawing is lined for pink and blue.
For Bluing for Laundry Use.
Claims use since Mar. 18, 1936.

Ser. No. 377,947. STEPHENSON MFG. CO., INC., Springfield, Mass. Filed May 2, 1936.



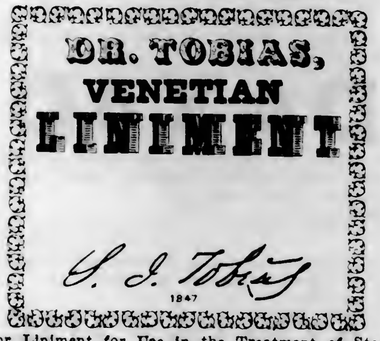
No claim is made to the words "Nose Spray", "Ephedrine", "Menthol", "Glycerin", and "Saline" apart from the mark as shown.
For Nose Spray or Medical Preparation Used in the Treatment of Infections of the Throat and Nasal Passages.
Claim use since Apr. 1, 1935.

Ser. No. 378,078. HOUBIGANT, INC., New York, N. Y. Filed May 6, 1936.

Town and Country

For Perfume, Toilet Water, Face Powder, Talcum Powder, Bath Salts, Brilliantine, Bandoline, Rouge, Lip Sticks, Dusting Powder, Sachet, Cold Creams, Lotion for the Skin and Hair, Powder and Rouge Compacts, Eau Vegetal, Eau de Cologne.
Claim use since May 1, 1936.

Ser. No. 378,109. O. H. SIMMONS, INC., New York, N. Y. Filed Apr. 28, 1936. Under 10-year proviso.



For Liniment for Use in the Treatment of Stomach Troubles, Pains, Cuts, and Bruises.
Claims use since 1847.

CLASS 10

Fertilizers

Ser. No. 370,069. VITALIZED HUMUS SALES COMPANY, Columbus, Ohio. Filed Oct. 5, 1935.

Vitmus

For Fertilizers.
Claims use since Mar. 1, 1935.

CLASS 12

Construction Materials

Ser. No. 341,143. RAYMOND W. STORM, doing business as Storm Flooring Company, New York, N. Y. Filed Aug. 29, 1933.

IRONBOUND

For Floor Mastic and Floor Binder in the Nature of a Plastic Adhesive Used in Laying Certain Types of Hardwood Floors.
Claims use since June 9, 1932.

Ser. No. 365,104. UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed May 18, 1935.

STARKOTE

For Coated Felt for Building Purposes.
Claims use since 1930.

CLASS 13

Hardware and Plumbing and Steam-Fitting Supplies

Ser. No. 377,237. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Apr. 15, 1936.

E-Z ADD

For Bathroom Shower Outfits.
Claims use since Jan. 29, 1936.

Ser. No. 377,268. ALLEN EVERITT & SONS, LIMITED, London, England. Filed Apr. 16, 1936.

Æ

For Tubes of Brass, Copper, Cupro Nickel, and Aluminum Brass, Not Being Parts of Machines.
Claims use since December, 1929.

Ser. No. 377,301. CLAMP NAIL COMPANY, Chicago, Ill. Filed Apr. 17, 1936.



For Miter Joint Fasteners.
Claims use since June 4, 1932.

Ser. No. 377,496. CALUMET STEEL COMPANY, Chicago, Ill. Filed Apr. 22, 1936.

GOLD CROWN

For Steel Fence Posts.
Claims use since Mar. 25, 1936.

Ser. No. 377,542. DIAMOND CHAIN AND MANUFACTURING COMPANY, Indianapolis, Ind. Filed Apr. 23, 1936.



Applicant disclaims the representation of the chain except those portions which are combined in mannikin form.
For Chains for the Transmission of Power.
Claims use since Aug. 10, 1927.

Ser. No. 377,648. SOMERVILLE IRON WORKS, Somerville, N. J. Filed Apr. 25, 1936.

"HANDTROL"

For Manually Operated Valves.
Claims use since Apr. 1, 1936.

CLASS 15

Oils and Greases

Ser. No. 359,671. THE PURE OIL COMPANY, Chicago, Ill. Filed Dec. 26, 1934.

PURITAN

For Gas Oils, Fuel Oils, Burning Oils for Illuminating and Heating Purposes, Motor Oil, Crystal-White Motor Oil, Steam-Auto Oil, Fluid Grease, Graphite Semifluid Grease, Noiseless-Transmission Grease, Silent-Gear Grease, Special Differential-Grease, and Cylinder-Stock Transmission-Grease.
Claims use since Apr. 18, 1921.

Ser. No. 375,798. A. GROSS CANDLE COMPANY, INC., Baltimore, Md. Filed Mar. 10, 1936.

Fidelis

For Candles, Votive, Sanctuary, and Tabernacle Lights Made of Oils, Fats, and/or Waxes Similar to Candles.
Claims use since March, 1932.

Ser. No. 375,799. A. GROSS CANDLE COMPANY, INC., Baltimore, Md. Filed Mar. 10, 1936.

GREGORIAN

For Candles, Votive, Sanctuary, and Tabernacle Lights Made of Oils, Fats, and/or Waxes Similar to Candles.
Claims use since October, 1923.

Ser. No. 375,800. A. GROSS CANDLE COMPANY, INC., Baltimore, Md. Filed Mar. 10, 1936.

LUX VITAE

For Candles, Votive, Sanctuary, and Tabernacle Lights Made of Oils, Fats, and/or Waxes Similar to Candles.
Claims use since October, 1923.

Ser. No. 375,801. A. GROSS CANDLE COMPANY, INC., Baltimore, Md. Filed Mar. 10, 1936.

MEMORIAM

For Candles, Votive, Sanctuary, and Tabernacle Lights Made of Oils, Fats, and/or Waxes Similar to Candles.
Claims use since October, 1924.

Ser. No. 376,072. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif. Filed Mar. 16, 1936.

RPM

For Lubricating Oils and Greases.
Claims use since Feb. 28, 1936.

Ser. No. 376,073. STANDARD OIL COMPANY OF CALIFORNIA, Wilmington, Del., and San Francisco, Calif. Filed Mar. 16, 1936.

RPM

For Lubricating Oils and Greases, Diesel Engine Lubricating Oil.
Claims use since Sept. 12, 1935.

Ser. No. 377,287. L. SONNEBORN SONS, INC., New York, N. Y. Filed Apr. 16, 1936.

FLO-ZENE

For White Mineral Oil Used for Lubricating Purposes.
Claims use since Mar. 30, 1936.

CLASS 16

Paints and Painters' Materials

Ser. No. 370,931. ATLANTIC RESEARCH ASSOCIATES, INC., Boston, Mass. Filed Oct. 29, 1935.

Aratone 270

For Mica Pigments.
Claims use since Oct. 1, 1934.

Ser. No. 377,700. NATIONAL LEAD COMPANY, San Francisco, Calif. Filed Apr. 27, 1936.

Bass-Hueter

For Dried, Paste, or Ready-Mixed Paints; Synthetic Enamels; Varnishes; Paint Enamels; Lacquers; Wood Stains; Colors Ground in Oil and Japans; Prepared Shellacs; Driers; Linseed and Paint Oils; Turpentine; Cold-Water Paint; Kalsomine; Gold and Aluminum Bronzes.
Claims use since Dec. 15, 1935.

Ser. No. 377,717. ROXALIN FLEXIBLE LACQUER COMPANY, INCORPORATED, Elizabeth, N. J. Filed Apr. 27, 1936.

Blue Knight

For Lacquers, Lacquer Enamels, Thinners, Bronzing Liquids, Undercoatings, Wood and Metal Sealers, Fillers, Primers, Ready-Mixed Paints, Varnishes, Oil Base and Synthetic Resin-Base Enamels, Driers, and Colors, and Synthetic and Cellulose Surface Coating Materials Whose Basic Ingredients Consist of Cellulose Esters or Ethers or Both.
Claims use since 1930.

Ser. No. 378,505. SOCONY-VACUUM OIL COMPANY, INCORPORATED, New York, N. Y. Filed May 15, 1936.

SANILAC

For Wax Polishing Compositions.
Claims use since Jan. 31, 1936.

Ser. No. 378,670. NORFOLK PAINT & VARNISH COMPANY, Quincy and North Quincy, Mass. Filed May 20, 1936.

PERMANOX

For Paste White.
Claims use since Oct. 1, 1935.

Ser. No. 378,671. NORFOLK PAINT & VARNISH COMPANY, Quincy and North Quincy, Mass. Filed May 20, 1936.

PRIMEX

For Ready-Mixed Paints.
Claims use since Dec. 15, 1935.

CLASS 19

Vehicles, Not Including Engines

Ser. No. 377,560. TRAVELHOME TRAILER CO., Grand Rapids, Mich. Filed Apr. 23, 1936.

WINGED HOME

For House Trailers.
Claims use since May 1, 1931.

CLASS 20

Linoleum and Oiled Cloth

Ser. No. 378,688. BIRD & SON, INC., East Walpole, Mass. Filed May 21, 1936.

ARMORLITE

For Floor Covering of the Hard-Surfaced Flexible Type.
Claims use since May 3, 1936.

CLASS 21

Electrical Apparatus, Machines, and Supplies

Ser. No. 372,676. LEHMAN RADIO SALON, INC., New York, N. Y. Filed Dec. 16, 1935.

PORT-O-MATIC

For Radio Receiving Sets, Combination Phonograph and Radio Receiving Sets, Portable Radio Receiving Sets, and Portable Combination Phonograph and Radio Receiving Sets.
Claims use since Oct. 15, 1934.

Ser. No. 373,167. ELECTRONIC DEVELOPMENT COMPANY, Cedar Rapids, Iowa. Filed Dec. 30, 1935.

Speedafone

For Inter Office Amplified Communication Phones.
Claims use since Dec. 16, 1935.

Ser. No. 377,484. THE STANDARD ELECTRIC STOVE CO., Toledo, Ohio. Filed Apr. 21, 1936.

Kalmax

For Electric Hot Plates and Electric Heating Element Covers.
Claims use since Mar. 2, 1936.

Ser. No. 377,518. MICRO-LITE COMPANY, INC., New York, N. Y. Filed Apr. 22, 1936.

MICRO-LITE

The word "lite" is disclaimed apart from the mark shown.
For Flashlights.
Claims use since May, 1935.

CLASS 22

Games, Toys, and Sporting Goods

Ser. No. 370,188. JOSEPH LOVE, INC., New York, N. Y. Filed Oct. 9, 1935.

AN AUTHENTIC

"Princess Elizabeth"

For Dolls.
Claims use since Sept. 16, 1935.

Ser. No. 376,540. PARKER BROTHERS, INC., Portland, Maine, and Salem, Mass. Filed Mar. 28, 1936.

MONOPOLY

For Toy Money and Racks and Tills Suitable for Holding Same for Use in the Play of Games.
Claims use since Mar. 20, 1935.

Ser. No. 377,978. BENJAMIN L. FRY, doing business as Universal Games Company, St. Louis, Mo. Filed May 4, 1936.

MOR-FUN

For Card or Board Games Played with Movable Pieces.
Claims use since Mar. 14, 1936.

Ser. No. 378,342. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill. Filed May 11, 1936.

HOME RUN

For Coin-Controlled Amusement Apparatus.
Claims use since Mar. 17, 1936.

Ser. No. 378,591. JOHN SHAW, Milwaukee, Wis. Filed May 18, 1936.



For Puzzle Game.
Claims use since Aug. 27, 1935.

CLASS 23

Cutlery, Machinery, and Tools, and Parts Thereof

Ser. No. 363,613. THE CINCINNATI MILLING MACHINE COMPANY, Cincinnati, Ohio. Filed Apr. 11, 1935.

HYDRO-BROACH

No claim is made to the word "Broach" except in the combination shown.
For Machine Tools—Namely, Broaching Machines.
Claims use since Nov. 29, 1933.

Ser. No. 371,047. THE WOOD SHOVEL AND TOOL COMPANY, Piqua, Ohio. Filed Oct. 31, 1935.

SUPREMA

For Shovels, Spades, and Scoops.
Claims use since Feb. 26, 1926.

Ser. No. 374,390. THE UNITED STATES AIR COMPRESSOR COMPANY, Cleveland, Ohio. Filed Feb. 1, 1936.

FLOATING BODY

For Vehicle Lifting Devices to Improve the Servicing and the Lubricating of Vehicles.
Claims use since Nov. 11, 1935.

Ser. No. 375,103. RICHARD SIKES, LIMITED, Kingston-Upon-Hull, England. Filed Feb. 21, 1936.

CUBLEX

For Machines for Making Cattle and Poultry Foods Consisting of Meal Heating Kettles, Meal Mixers, Meal Moulding Machines, Meal and Seed Compression and Extrusion Machines, Hydraulic Filter Presses, Moulding Machines for Cakes and Pellets for Feeding Cattle and Poultry.
Claims use since Jan. 1, 1936.

Ser. No. 377,030. THE SWEEPER-VAC COMPANY, Worcester, Mass. Filed Apr. 9, 1936.

BRUSH-VAC

The term "Brush" is disclaimed apart from the mark as shown.
For Vacuum Cleaners.
Claims use since Sept. 29, 1927.

Ser. No. 377,031. THE SWEEPER-VAC COMPANY, Worcester, Mass. Filed Apr. 9, 1936.

CLEANER-VAC

The term "Cleaner" is disclaimed apart from the mark as shown.
For Vacuum Cleaners.
Claims use since Jan. 13, 1934.

Ser. No. 378,136. FEDERAL RAZOR BLADE COMPANY, New York, N. Y. Filed May 7, 1936.

SIMPLEX

For Razor Blades.
Claims use since Feb. 15, 1933.

Ser. No. 378,169. ADDRESSOGRAPH COMPANY, Cleveland and Euclid Ohio, Filed May 8, 1936.

SERPENTINE

For Printing Plates Before and After Embossing for Use in Addressing and Similar Machines.
Claims use since July, 1932.

Ser. No. 378,224. NILES-BEMENT-POND COMPANY, New York, N. Y. Filed May 8, 1936.

KME

For Die Sinking, Engraving, Milling, and Grinding Machines.
Claims use since Aug. 1, 1915.

CLASS 26

Measuring and Scientific Appliances

Ser. No. 374,160. FRANK P. SCULLY, doing business as Scully Signal Company, Cambridge, Mass. Filed Jan. 27, 1936.

VENTALARM

For Liquid Level Indicators for Liquid Fuel Tanks and the Like.
Claims use since Nov. 8, 1935.

Ser. No. 378,025. INTERNATIONAL FILMBOOK CORPORATION, New York, N. Y. Filed May 5, 1936.

TELEDEX

For Stereopticons, Projectors, and Reading Machines in Which the Reading Screen is Mounted upon or within the Case of the Instrument; and Reading Machines in which the Matter to be Viewed is Contained on a Film within the projector and is Read with a Microscopic Eyepiece; and Films for Use in Any of Said Projectors and Machines and Parts Therefor Including Magazines.
Claims use since April, 1935.

Ser. No. 378,026. INTERNATIONAL FILMBOOK CORPORATION, New York, N. Y. Filed May 5, 1936.

OPTIGRAPH

For Stereopticons, Projectors, and Reading Machines in Which the Reading Screen is Mounted upon or within the Case of the Instrument; and Reading Machines in which the Matter to be Viewed is Contained on a Film within the projector and is Read with a Microscopic Eyepiece; and Films for Use in Any of Said Projectors and Machines and Parts Therefor Including Magazines.
Claims use since April, 1935.

Ser. No. 378,253. COLUMBIA PICTURES CORPORATION, New York, N. Y. Filed May 9, 1936.

HAPPY HOUR ENTERTAINMENTS

No claim is made to the word "Entertainments" apart from the mark.
For Series of Different Motion Picture Films.
Claims use since Apr. 15, 1936.

CLASS 32

Furniture and Upholstery

Ser. No. 367,851. CHARAK FURNITURE COMPANY, Boston, Mass. Filed July 31, 1935.

Collector's Group

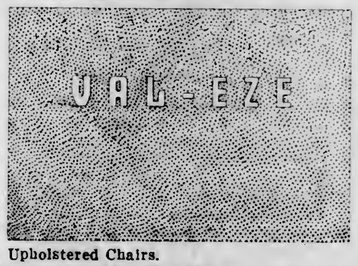
For Tables, Beds, Couches, Cabinets, Chairs, Desks, Wardrobes, Stands, Mirrors, Chests, Dressers, Sideboards, Screens, Tea Wagons, and Dinner Wagons.
Claims use since June 1, 1935.

Ser. No. 377,343. AMERICAN AUTO-FELT CORPORATION, Grand Rapids, Mich. Filed Apr. 18, 1936.

Health Master

For Mattresses.
Claims use since Mar. 13, 1936.

Ser. No. 378,278. VALLEY UPHOLSTERY CORP., New York, N. Y. Filed May 9, 1936.



For Upholstered Chairs.
Claims use since Mar. 17, 1936.

CLASS 33

Glassware

Ser. No. 366,642. RÖHM & HAAS COMPANY, Philadelphia, Pa. Filed June 25, 1935.

PLEXIGLAS

For Sheets of Solid Transparent Resinous Material to be Used as a Glass Substitute.
Claims use since June 5, 1935.

CLASS 34

Heating, Lighting, and Ventilating Apparatus

Ser. No. 377,875. HEAT-SEAL BURNER COMPANY, Omaha, Nebr. Filed May 1, 1936.

HEATSEAL

For Oil Burners.
Claims use since Aug. 16, 1932.

CLASS 35

Belting, Hose, Machinery Packing, and Nonmetallic Tires

Ser. No. 375,453. MONARK SILVER KING, INC., Chicago, Ill. Filed Mar. 2, 1936.

KING KORD

The word "Kord" is disclaimed as used alone and apart from the combination "King Kord".
For Bicycle Tires.
Claims use since Jan. 15, 1936.

Ser. No. 376,163. ARMOR TREAD TIRE CORPORATION, Curtis Bay, Baltimore, Md. Filed Mar. 19, 1936.

ARMOR TREAD

The word "Tread" is disclaimed.
For Nonmetallic Tires, New and Retreaded, and Retreads for the Same.
Claims use since July, 1934.

Ser. No. 376,628. DEGEN-FIEGE BELTING COMPANY, Los Angeles, Calif. Filed Mar. 31, 1936.

TROJAN

For Belting—Namely, Flat Leather Belting, Round Leather Belting, V Leather Belting, and Cotton Beltings; Packings—Namely, Cup Leathers, Valve Leathers, U Leathers, Flange Leathers, and Rubber Packing.
Claims use since September, 1935.

Ser. No. 377,049. THE HETTRICK MANUFACTURING COMPANY, Toledo, Ohio. Filed Apr. 10, 1936.

BIG BULL

For Textile Fabric Belting.
Claims use since December, 1930.

Ser. No. 378,148. NEW YORK BELTING & PACKING CO., New York, N. Y. Filed May 7, 1936.

PALISADE

For Hose of Rubber and Fabric.
Claims use since Jan. 4, 1935.

Ser. No. 378,149. W. S. NOTT COMPANY, Minneapolis, Minn. Filed May 7, 1936.

RESISTO

For Leather Belting.
Claims use since Apr. 25, 1936.

CLASS 36

Musical Instruments and Supplies

Ser. No. 378,338. ROCK-OLA MANUFACTURING CORPORATION, Chicago, Ill. Filed May 11, 1936.

NITE CLUB

For Automatic Phonographs.
Claims use since Feb. 10, 1936.

CLASS 37

Paper and Stationery

Ser. No. 373,797. NASCON SERVICE, INC., New York, N. Y. Filed Jan. 17, 1936.

DAY ◇ AT ◇ A ◇ GLANCE

For Memorandum Books and Calendar Books.
Claims use since January, 1935.

Ser. No. 373,798. NASCON SERVICE, INC., New York, N. Y. Filed Jan. 17, 1936.

◇ MEMORIES ◇

AT ◇ A ◇ GLANCE

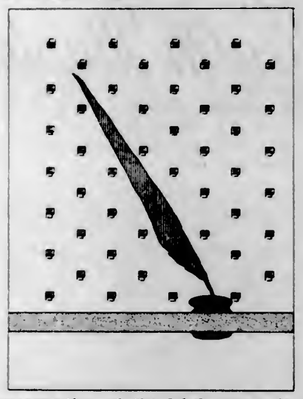
For Photograph Albums and Memorandum Books.
Claims use since January, 1935.

Ser. No. 373,799. NASCON SERVICE, INC., New York, N. Y. Filed Jan. 17, 1936.

WEEK ◇ AT ◇ A ◇ GLANCE

For Calendar Books and Memorandum Books.
Claims use since January, 1934.

Ser. No. 376,900. EATON PAPER CORPORATION, Pittsfield, Mass. Filed Apr. 7, 1936.



The representation of the label per se is disclaimed apart from the mark.
For Papeteries, Including Pound Papers, and Bulk Envelopes.
Claims use since Jan. 2, 1936.

CLASS 38

Prints and Publications

Ser. No. 359,304. HAM FISHER, New York, N. Y. Filed Dec. 14, 1934.

JOE PALOOKA

For Cartoons and Cartoon Strips.
Claims use since Apr. 13, 1930.

Ser. No. 374,218. M. SAYLE TAYLOR, New York, N. Y. Filed Jan. 28, 1936.

"VOICE OF EXPERIENCE"

For Printed Pamphlets, Published from Time to Time.
Claims use since July 1, 1932.

Ser. No. 375,193. ADVERTISING FEATURES, INC., New York, N. Y. Filed Feb. 25, 1936.

BROADCASTMENT

For Section of Newspapers.
Claims use since Jan. 23, 1936.

Ser. No. 376,635. I. B. CORPORATION, Cambridge, Mass. Filed Mar. 31, 1936.

I.B.

For Color Pictures.
Claims use since Mar. 19, 1936.

CLASS 39

Clothing

Ser. No. 356,406. H. FREEMAN & SON INC., Philadelphia, Pa. Filed Sept. 25, 1934.

-FREEMOOR-



— WAYLITE —

The word "Waylite" is disclaimed apart from the mark shown.
For Men's and Young Men's Top Coats, Overcoats, and Suits.
Claims use since Apr. 27, 1934.

Ser. No. 373,685. SAMUEL GERSON, Philadelphia, Pa. Filed Jan. 15, 1936.



Lord Winston

The portrait and name are both fanciful.
For Men's and Boys' Suits.
Claims use since Aug. 1, 1935.

Ser. No. 374,553. DUTCHESS UNDERWEAR CORPORATION, New York, N. Y. Filed Feb. 6, 1936.

l'Amourette

For Ladies' Rayon Underwear, Pajamas, Night Gowns, and Dresses.
Claims use since Jan. 2, 1936.

Ser. No. 374,729. REITER SHIRT COMPANY, New York, N. Y. Filed Feb. 11, 1936.

AMERICAN ACE



For Men's and Boys' Dress and Sport Shirts, and Pajamas.
Claims use since March, 1928.

Ser. No. 375,119. BEAR BRAND HOSIERY CO., Chicago and Kankakee, Ill. Filed Feb. 24, 1936.

SWAGGER

For Hosiery.
Claims use since Feb. 4, 1936.

Ser. No. 375,120. BEAR BRAND HOSIERY CO., Chicago and Kankakee, Ill. Filed Feb. 24, 1936.

TRAVELAIR

For Hosiery.
Claims use since Feb. 4, 1936.

Ser. No. 376,766. LUBIN-WEEKER CO., INC., New York, N. Y. Filed Apr. 3, 1936.

"The FIRST NIGHTER"



For Pajamas.
Claims use since Jan. 11, 1936.

Ser. No. 377,043. DOBSON SUITS, INC., doing business as Hobbs, Inc., New York, N. Y. Filed Apr. 10, 1936.

Miami Cloth

The words "Miami Cloth" are disclaimed apart from the mark as shown.
For Ladies' Suits, Jackets, and Skirts.
Claims use since Apr. 6, 1936.

Ser. No. 377,046. THE WALTER A. GOLDSMITH COMPANY, Cleveland, Ohio. Filed Apr. 10, 1936.

HUGGEES

by Goldette

For Women's and Children's Woven, Knitted, and Netted Undergarments, Comprising Panties, Vests, Pajamas, Nightgowns, Combination Vests and Panties, Bloomers, Chemises, Step-Ins, Bandeaux, Union Suits, Shorts, and Petticoats.
Claims use since Apr. 1, 1936.

Ser. No. 377,324. ROBERT REIS & CO., New York, N. Y. Filed Apr. 17, 1936.

SKI-RETTES

For Articles of Wearing Apparel for Women—Namely, Undergarments, to-wit, Drawers and Panties, and Outer Garments, to-wit, Ski-Suits, Pants, Coats, Top Shirts, Pullovers, Sweaters, Mackinaws and Parkas, i. e., All Over Garments Used Primarily for Winter Sport Purposes.
Claims use since Apr. 10, 1936.

Ser. No. 377,502. FRANK & COHEN, INC., New York, N. Y. Filed Apr. 22, 1936.

"Stormbak"

For Women's Coats and Fur Neck Pieces.
Claims use since Apr. 11, 1936.

Ser. No. 377,520. DAVID PERIL, doing business as Lourill Hosiery Co., Shamokin, Pa. Filed Apr. 22, 1936.

Lourill

For Hosiery, Pajamas, Sweaters, Underwear for Men, Women, and Children.
Claims use since 1931.

Ser. No. 377,645. ROSE BROTHERS, New York, N. Y. Filed Apr. 25, 1936.



The word "Cool" is disclaimed apart from the mark as shown.
For Men's and Young Men's Coats, Vests, and Trousers.
Claims use since November, 1934.

Ser. No. 377,745. PARAGON KNITTING MILLS, INC., Philadelphia, Pa. Filed Apr. 28, 1936.

ROBERT BRUCE

Trade-mark is the name of a famous historical character now deceased.
For Bathing Suits and Sweaters.
Claims use since January, 1928.

Ser. No. 378,110. MARK KNEBEL, New York, N. Y. Filed May 6, 1936.

Debwin

For Ladies' and Misses' Blouses and Dresses.
Claims use since November, 1932.

Ser. No. 378,129. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed May 7, 1936.

FUSEBAND

For Neckties.
Claims use since May 4, 1936.

Ser. No. 378,281. WINER MANUFACTURING CO., Hammond, Ind. Filed May 9, 1936.

Win-Zip

For Men's and Boys' Coats, Trousers, and Knickers.
Claims use since Mar. 25, 1936.

Ser. No. 378,326. O'CONNOR & GOLDBERG, Chicago, Ill. Filed May 11, 1936.

O-G

For Hosiery.
Claims use since May 7, 1936.

Ser. No. 378,327. THE OHIO OVERCOAT COMPANY, Galion, Ohio. Filed May 11, 1936.



For Overcoats for Men and Boys.
Claims use since Feb. 1, 1936.

CLASS 42

Knitted, Netted, and Textile Fabrics

Ser. No. 373,332. CLINTON SILK CO., New York, N. Y. Filed Jan. 4, 1936.

Clintex

For Rayon Piece Goods.
Claims use since Mar. 1, 1935.

Ser. No. 374,378. OLD TOWN WOOLEN COMPANY, INC., Old Town, Maine. Filed Feb. 1, 1936.



No claim is made to the word "Cloth" except as shown herein.
For Woolen Piece Goods.
Claims use since Jan. 17, 1936.

Ser. No. 374,499. THE UNITED STATES FINISHING COMPANY, Providence, R. I. Filed Feb. 4, 1936.

PERMA WEAR

The word "Wear" is disclaimed except in connection with the mark as shown.
For Textile Fabrics of Silk, Wool, Linen, Cotton, Rayon, and Mixtures of These Fabrics in the Nature of Piece Goods.
Claims use since Jan. 23, 1936.

Ser. No. 375,151. HARRY KATIMS CORPORATION, New York, N. Y. Filed Feb. 24, 1936.

KAY-GLO

For All Rayon Piece Goods.
Claims use since Apr. 12, 1935.

Ser. No. 377,719. SEARS, ROEBUCK AND CO., Chicago, Ill. Filed Apr. 27, 1936.

SEARIAN

For Textile Rugs.
Claims use since May 28, 1935.

Ser. No. 378,297. CELANESE CORPORATION OF AMERICA, New York, N. Y. Filed May 11, 1936.

QUINPRINTS

For Piece Goods Made Wholly or Partially of Cellulose Derivatives.
Claims use since May 8, 1936.

CLASS 44

Dental, Medical, and Surgical Appliances

Ser. No. 377,330. THE THERAPEUTIC GAUZE CO., Newark, N. Y. Filed Apr. 17, 1936.

PYROGAWZ

For Therapeutic Gauze Used as a Special Treatment for Burns.
Claims use since May 28, 1934.

CLASS 45

Beverages, Nonalcoholic

Ser. No. 374,047. THE FRANK TEA & SPICE CO., Cincinnati, Ohio. Filed Jan. 24, 1936.

REFRESHADE

For Nonalcoholic, Maltless, Concentrated Flavors for Making Soft Drinks.
Claims use since Nov. 25, 1935.

Ser. No. 377,533. WILLIAM LLOYD BEAMER, doing business as Silver Springs Water Company, Detroit, Mich. Filed Apr. 23, 1936.



For Non-Alcoholic, Non-Cereal, Maltless Beverage, Sold as a Soft Drink and Sirup and Extract for Making the Same.
Claims use since January, 1934.

Ser. No. 378,217. FRANK J. MCHUGH, New York, N. Y. Filed May 8, 1936.



The representation of the goods is disclaimed apart from the mark shown.

For Non-Alcoholic, Non-Cereal, Maltless Beverage Sold as a Soft Drink.

Claims use since Apr. 20, 1936.

Ser. No. 378,583. PAXTON AND GALLAGHER CO., Omaha, Nebr. Filed May 18, 1936.

S-K-M-O

For Soft Drink Powder.

Claims use since Apr. 27, 1936.

Ser. No. 378,690. CASTLE PRODUCTS, INC., Newark, N. J. Filed May 21, 1936.

TOMAHAWK

For Fruit Juices and Fruit Juice Compounds.

Claims use since March, 1936.

CLASS 46

Foods and Ingredients of Foods

Ser. No. 355,651. HENRY WAGNER, Eloy, Ariz. Filed Aug. 31, 1934.

DESERT GREEN

For Fresh Vegetables.

Claims use since Nov. 15, 1933.

Ser. No. 368,716. TRES CHEMICAL PHARMACEUTICAL INDUSTRIAL AND TRADING CO. LTD., Budapest, Hungary. Filed Aug. 26, 1935.

TRESFARIN

For Flowers Produced from the Seeds of Leguminous Plants, Alone or as an Admixture to Cereal Flour; Yeast and Diastase; Auxiliary Substances for Confectionery and Baking—Namely, Baking Powders; Sweetening Powders Consisting of Mixtures of Saccharin, Sorbit and the Like; Binding Powders—Namely, Arabic Gum and Other Kinds of Vegetable Gum; Chocolate Groats or Melted Chocolate; Malt Products Used in the Manufacture of Bread—Namely, Malt Extracts, or Compounds Consisting of Mixtures of Malt Extracts and of the Above Mentioned Flours, Produced from the Seeds of Leguminous Plants; Food Products for Diabetics—Namely, Flours for Cooking and Baking Purposes, Noodles, Puddings, Pastries, Bread, Toasts and Biscuits, Cake, Tarts, Candy, Chocolates and Bon-Bons, Canned Fruit, Fruit Preserves, Vegetable Preserves.

Claims use since Sept. 25, 1931.

Ser. No. 368,808. HANOVER FOOD PRODUCTS COMPANY, Baltimore, Md. Filed Aug. 29, 1935.

MELLORICH

For Oleomargarine, Mayonnaise, Salad Dressing, and Butter.

Claims use since June 1, 1933.

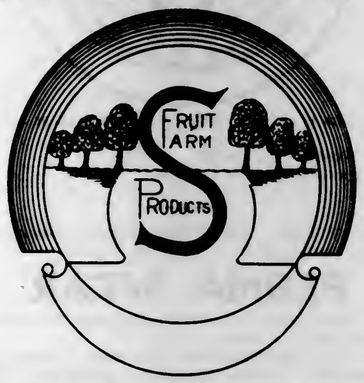
Ser. No. 373,638. GRONEWEG & SCHOENTGEN COMPANY, Council Bluffs, Iowa. Filed Jan. 14, 1936.

MOGUL

For Canned Fish, Canned Pork and Beans, Canned Fruits, Canned Vegetables, Table Syrup, Evaporated Milk, Canned Berries, Cocoa, Canned Figs, Canned Hominy, Canned Pumpkin, Canned Sauerkraut, Coffee, Olives, Jellies, Cereal Breakfast Foods, Spices, Tomato Catsup, Flavoring Extracts for Foods, Sliced Dried Beef, Tea, Canned Oysters, Rice, Tapioca, Sage, Packaged Barley, Alimentary Paste Products, Canned Soups, Pancake Flour, Vinegar, Dried Fruits and Canned Sweet Potatoes.

Claims use since 1885.

Ser. No. 374,063. WILLIAM B. SIGEL, doing business as Sigel Fruit Products, Amelia, Ohio. Filed Jan. 24, 1936.



No claim is made to the words "Fruit," "Farm," and "Products" apart from the mark shown.

For the Following Fresh Fruits: Apples, Peaches, Pears, Plums, Apricots, Cherries, and Berries; Also the Same Fruits Dried, Canned, and Preserved; Fruit Juices for Food Purposes, Apple Butter, and Honey.

Claims use since Dec. 5, 1932.

Ser. No. 375,530. CARL D. MCBATH, doing business as Nu Good Food Products Co., Savannah, Ga. Filed Mar. 2, 1936.

HOT KISS

For Barbecue Meat Sauce.

Claims use since Oct. 2, 1935.

Ser. No. 375,678. SUSSMAN, WORMSER & CO., San Francisco, Calif. Filed Mar. 6, 1936.

S and W

For Canned Fruits, Fruits in Glass, Canned Vegetables, Vegetables in Glass, Dried Fruits, Dried Vegetables, Canned Fish, Canned Sea Foods—Namely, Shrimp, Oysters, and Crabmeat; Table Syrups, Olives, Olive Oil, Spices, Catsup, Vinegar, Fruit Preserves, Fruit Jellies, Fruit Marmalades, Tomato Sauce, Tomato Purée, Coffee, Tea, Pickles, Honey, Nuts in Their Natural State, Bird Seed, Tapioca, Barley, Sago, Rice, Fruit Juices for Food Purposes, Vegetable Juices for Food Purposes, Extracts (for Food Flavoring Purposes), Mincemeat, Fruit Peels, Glace Fruit, Chili Sauce, Boullion Cubes, Peanut Butter, Brown Bread, Oven Baked Beans, Pork and Beans, Cranberry Sauce, Popcorn (in Its Natural State), Salt.

The trade-mark has been used continuously and applied to said goods in applicant's business and that of its predecessor, Chas. T. Wrightson & Son, since 1888 on canned vegetables; since 1896 on canned fruits, dried fruits, dried vegetables, canned fish, canned seafoods, table syrups, olives, olive oil, spices, catsup, vinegar, fruit preserves, fruit jellies, fruit marmalades, tea, pickles, honey, nuts, in their natural state, bird seed, extracts for food flavoring purposes, chili sauce, pork and beans; since 1919 on fruits in glass; since 1912 on vegetables in glass; since 1918 on tomato sauce; since 1911 on tomato purée; since 1924 on coffee; since 1906 on tapioca, barley and sago; since 1924 on rice; since 1914 on fruit juices for food purposes; since 1928 on vegetable juices for food purposes; since 1928 on mincemeat; since 1916 on fruit peels; since 1924 on glace fruit; since 1919 on boullion cubes; since 1913 on peanut butter; since 1929 on brown bread; since 1929 on oven baked beans; since 1921 on cranberry sauce; since 1908 on popcorn; since 1920 on salt.

Ser. No. 376,021. WESTERN GROCER COMPANY, doing business as Jack Sprat Foods, Inc., Marshalltown, Iowa. Filed Mar. 14, 1936.



For Bread.

Claims use since Mar. 11, 1918.

Ser. No. 376,253. HEGER PRODUCTS COMPANY, St. Paul, Minn. Filed Mar. 28, 1936.

"DOG-NIBS"

For Animal Food—Namely, Dog Food.

Claims use since Feb. 13, 1936.

Ser. No. 376,332. JAMES BUTLER GROCERY COMPANY, Long Island City, N. Y. Filed Mar. 24, 1936. Under 10-year proviso.

Butler

For Wheat Flour, Condensed Milk, and Oatmeal.

Claims use since 1892.

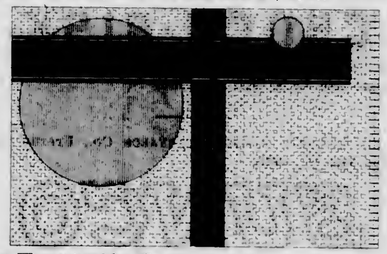
Ser. No. 376,498. SIR WILLIAM WORCESTERSHIRE SAUCE, INC., New York, N. Y. Filed Mar. 27, 1936.

SIR WILLIAM

For Worcestershire Sauce.

Claims use since Feb. 3, 1936.

Ser. No. 376,499. SIR WILLIAM WORCESTERSHIRE SAUCE, INC., New York, N. Y. Filed Mar. 27, 1936.



For Worcestershire Sauce.

Claims use since Feb. 3, 1936.

Ser. No. 376,802. THE GOODWIN COMPANY, INC., Jackson, Mo. Filed Apr. 4, 1936.



For Live and Dressed Poultry and Eggs.

Claims use since November, 1916.

Ser. No. 376,847. M. J. HOLLOWAY & COMPANY, Chicago, Ill. Filed Apr. 6, 1936.

HOLLOWAY'S
Bally English
Toffee

No claim is made to the words "English" and "Toffee" apart from the mark as shown.

For Toffee—Namely, Candy.

Claims use since Dec. 18, 1934.

Ser. No. 377,273. L. LA GUARDIA & SON IMPORTING CO., New York, N. Y. Filed Apr. 16, 1936.

Corona D'Italia



For Olive Oil.
Claims use since Apr. 6, 1936.

Ser. No. 377,552. MESSING BAKERIES INCORPORATED, Brooklyn, N. Y. Filed Apr. 23, 1936.

CHOCO-BISK

For Chocolate Covered Crackers or Biscuits.
Claims use since Mar. 5, 1936.

Ser. No. 377,667. CAMEO VINEYARDS CO., Fresno, Calif. Filed Apr. 27, 1936.

SUNCO

For Fresh Grapes.
Claims use since May, 1931.

Ser. No. 377,706. PINKHAM HOLDINGS CO., Los Angeles, Calif. Filed Apr. 27, 1936.

RICHWOOD

For Fresh Grapes.
Claims use since 1923.

Ser. No. 377,707. THE RATH PACKING COMPANY, Waterloo, Iowa. Filed Apr. 27, 1936.

MELL O MILD

The word "Mild" is disclaimed apart from the mark as shown.
For Ham.
Claims use since Mar. 15, 1936.

Ser. No. 377,743. S. S. LEARNARD CO., Boston, Mass. Filed Apr. 28, 1936.

FREEZER COOKED

For Frozen Foods—Namely, Fruits and Vegetables.
Claims use since Apr. 15, 1936.

Ser. No. 377,757. U-WIN-A-CONE CO. INC., Baltimore, Md. Filed Apr. 28, 1936.

U-WIN-A

For Ice Cream Cones.
Claims use since Apr. 1, 1936.

Ser. No. 377,764. YABUCOA SUGAR COMPANY, Humacao, P. R. Filed Apr. 28, 1936.

AZUCAR DE CAÑA
ESTRELLA
PURA REFINADA

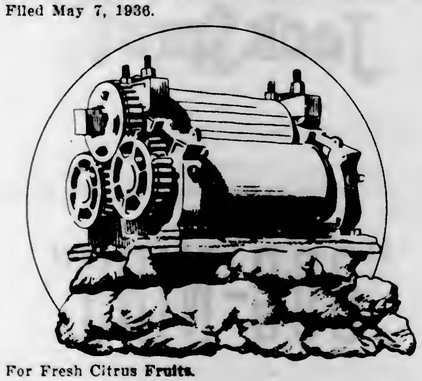
No claims are made to the wording except "Estrella".
For Cane Sugar.
Claims use since January, 1935.

Ser. No. 377,765. YABUCOA SUGAR COMPANY, Humacao, P. R. Filed Apr. 28, 1936.

PURE REFINED
STARLIGHT
CANE SUGAR

No claims are made to the wording except "Starlight"
For Cane Sugar.
Claims use since January, 1935.

Ser. No. 378,115. MAX H. AHRENDT, doing business as Manatee Hammock Fruit Company, Manatee, Fla. Filed May 7, 1936.



For Fresh Citrus Fruits.
Claims use since 1922.

Ser. No. 378,173. ARIZONA CITRUS GROWERS, Phoenix, Ariz. Filed May 8, 1936.

LANDMARK

For Fresh Citrus Fruit—Namely, Lemons.
Claims use since 1928.

Ser. No. 378,176. ARIZONA CITRUS GROWERS, Phoenix, Ariz. Filed May 8, 1936.

SUNNIZONE

For Fresh Citrus Fruit—Namely, Oranges and Grapefruit.
Claims use since 1928.

Ser. No. 378,212. CARRIE E. MARCY, doing business as Marcy Ranch, Tustin and Santa Ana, Calif. Filed May 8, 1936.

ADMIRAL

For Citrus Fruit—Namely, Lemons.
Claims use since Sept. 30, 1918.

Ser. No. 378,213. CARRIE E. MARCY, doing business as Marcy Ranch, Tustin and Santa Ana, Calif. Filed May 8, 1936.

COMMODORE

For Citrus Fruit—Namely, Lemons.
Claims use since Sept. 30, 1918.

Ser. No. 378,214. CARRIE E. MARCY, doing business as Marcy Ranch, Tustin and Santa Ana, Calif. Filed May 8, 1936.

OFFICER

For Citrus Fruit—Namely, Lemons.
Claims use since Sept. 30, 1918.

Ser. No. 378,215. CARRIE E. MARCY, doing business as Marcy Ranch, Tustin and Santa Ana, Calif. Filed May 8, 1936.

SAILOR

For Citrus Fruit—Namely, Lemons.
Claims use since Sept. 30, 1918.

Ser. No. 378,216. CARRIE E. MARCY, doing business as Marcy Ranch, Tustin and Santa Ana, Calif. Filed May 8, 1936.

SEVEN HILLS

For Citrus Fruit—Namely, Lemons.
Claims use since Mar. 23, 1936.

Ser. No. 378,237. SEABOARD PACKING CORP., doing business as Seaboard Industries, New York, N. Y. Filed May 8, 1936.

Dog-O-Mine

For Canned Food for Carnivorous Animals.
Claims use since Apr. 4, 1936.

Ser. No. 378,328. NATIONAL LICORICE COMPANY, Brooklyn, N. Y. Filed May 11, 1936.



For Candy.
Claims use since Jan. 6, 1926.

CLASS 47

Wines

Ser. No. 370,883. THE KONISHI SHUZO KABUSHIKI-KAISHA, Itamicho, Kawabe-Gun, Hyogo Perfecture, Japan. Filed Oct. 28, 1935.



The Japanese characters mean "White Snow" and are pronounced "Shira Yuki".
For Sake (Japanese Sake).
Claims use since 1600.

Ser. No. 377,232. READ DRUG & CHEMICAL COMPANY OF BALTIMORE CITY, Baltimore, Md. Filed Apr. 15, 1936.

Sun Mellow



The word "Mellow" is disclaimed except as used in conjunction with the other features of the mark.
For Wines.
Claims use since Dec. 15, 1935.

Ser. No. 377,666. BURBANK WINERY, Los Angeles, Calif. Filed Apr. 27, 1936.

Gold Cargo

For Wine.
Claims use since Feb. 14, 1936.

Ser. No. 377,668. CAMEO VINEYARDS CO., Fresno, Calif. Filed Apr. 27, 1936.

SUNCO

For Wine.
Claims use since January, 1936.

Ser. No. 377,973. L. E. DE FALCO, doing business as De Falco Winery, San Diego, Calif. Filed May 4, 1936.

CAL VISTA

For Wine.
Claims use since Apr. 20, 1936.

CLASS 48

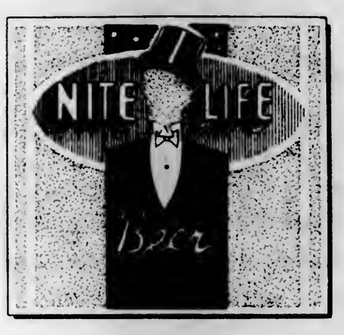
Malt Beverages and Liquors

Ser. No. 368,619. KIRIN BREWERY CO., LTD., Tokyo, Japan. Filed Aug. 23, 1935.



For Lager Beer.
Claims use since February, 1885.

Ser. No. 376,198. FECKER BREWING COMPANY, Danville, Ill. Filed Mar. 20, 1936.



The word "Beer" is disclaimed apart from the mark.
For Beer.
Claims use since Mar. 9, 1936.

Ser. No. 378,331. PFEIFFER BREWING COMPANY, Detroit, Mich. Filed May 11, 1936. Under 10-year proviso.

Pfeiffer's

For Beer.
Claims use since March, 1889.

Ser. No. 378,333. PFEIFFER BREWING COMPANY, Detroit, Mich. Filed May 11, 1936.



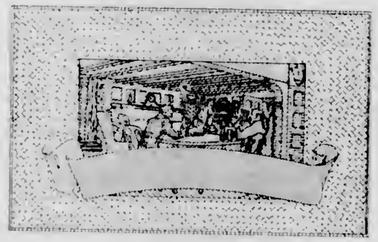
For Beer.
Claims use since Oct. 15, 1935.

Ser. No. 378,335. PFEIFFER BREWING COMPANY, Detroit, Mich. Filed May 11, 1936. Under 10-year proviso.



No claim is made to the words "Famous Beer" apart from the mark as shown.
For Beer.
Claims use since March, 1889.

Ser. No. 378,336. PFEIFFER BREWING COMPANY, Detroit, Mich. Filed May 11, 1936.



For Beer.
Claims use since Nov. 25, 1935.

Ser. No. 378,445. MONARCH BREWING COMPANY, Chicago, Ill. Filed May 14, 1936.

Monarch

For Beer.
Claims use since Jan. 6, 1915.

CLASS 49

Distilled Alcoholic Liquors

Ser. No. 365,458. KELLY LIQUOR COMPANY, Minneapolis, Minn. Filed May 27, 1935.

Paul Bunyan

Paul Bunyan is a legendary character in the logging industry and so known among lumbermen.
For Whiskey.
Claims use since Feb. 9, 1935.

Ser. No. 375,733. ARTHUR V. STANSFELD, doing business as A. V. Stansfeld & Co., Bridgetown, Barbados, British West Indies. Filed Mar. 7, 1936.



The words "Fine Rum" are disclaimed.
For Rum.
Claims use since Dec. 23, 1935.

Ser. No. 378,282. JOHN A. WATHEN DISTILLERY CO., INC., Louisville and Lebanon, Ky. Filed May 9, 1936.

KENTUCKY ARCHER.

For Whiskey.
Claims use since May 5, 1936.

Ser. No. 378,383. THREE G DISTILLERY CORP., Burbank, Calif. Filed May 14, 1936.

OLD CASK
BRAND
STRAIGHT
BOURBON
WHISKEY

No claim is made to the words "Brand" and "Straight Bourbon Whiskey" apart from the mark shown.
For Whiskey.
Claims use since Oct. 4, 1935.

Ser. No. 378,756. NATIONAL CORDIAL CO., INC., Chicago, Ill. Filed May 22, 1936.

OLD BALLAST

For Whiskey.
Claims use since May 19, 1936.

Ser. No. 378,868. WILLIAM WHITELEY & CO. INC., Dover, Del. Filed May 25, 1936.

ROUND THE WORLD

For Scotch Whiskey.
Claims use since Feb. 28, 1928.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905]

JUNE 30, 1936

336,143. MEN'S SUITS, OVERCOATS, SPORT SUITS, SPORT COATS, AND DRESS SUITS. BRYMORE CLOTHES INC., New York, N. Y.
Filed January 29, 1936. Serial No. 374,228. PUBLISHED APRIL 21, 1936. Class 39.

336,144. UPHOLSTERED FURNITURE—NAMELY, DAVENPORTS, SOFAS, AND CHAIRS, AND BOX SPRINGS. CHITTENDEN & EASTMAN COMPANY, Burlington, Iowa.
Filed January 29, 1936. Serial No. 374,230. PUBLISHED APRIL 21, 1936. Class 32.

336,145. PRINTS AND REPRODUCTION OF PAINTINGS. CONTINENTAL LITHOGRAPH CORPORATION, Cleveland, Ohio.
Filed January 30, 1936. Serial No. 374,448. PUBLISHED APRIL 21, 1936. Class 38.

336,146. PUBLICATIONS RELATING TO FISHING AND HUNTING—NAMELY, PAMPHLETS, GUIDE BOOKS, FOLDERS AND THE LIKE. THE HOFFMAN BROTHERS COMPANY, Baltimore, Md.
Filed February 4, 1936. Serial No. 374,463. PUBLISHED APRIL 21, 1936. Class 38.

336,147. MALT BEVERAGE—NAMELY, SAKE. HONOLULU SAKE BREWERY & ICE COMPANY, LIMITED, Honolulu, Territory of Hawaii.
Filed March 4, 1935. Serial No. 362,116. PUBLISHED APRIL 21, 1936. Class 48.

336,148. BED BLANKETS OF TEXTILE FABRIC. F. C. HUYCK & SONS, Rensselaer and Albany, N. Y.
Filed January 28, 1936. Serial No. 374,192. PUBLISHED APRIL 21, 1936. Class 42.

336,149. WOOLEN BLANKETS. F. C. HUYCK & SONS, Rensselaer and Albany, N. Y.
Filed January 28, 1936. Serial No. 374,193. PUBLISHED APRIL 21, 1936. Class 42.

336,150. LININGS IN THE PIECE MADE OF SILK AND RAYON. PHILIP KAUFMAN, New York, N. Y.
Filed January 30, 1936. Serial No. 374,295. PUBLISHED APRIL 21, 1936. Class 42.

336,151. COVE BASE. DAVID E. KENNEDY, INC., Brooklyn, N. Y.
Filed January 28, 1936. Serial No. 374,194. PUBLISHED APRIL 14, 1936. Class 12.

336,152. EGGS, MILK, BUTTER, CREAM-MIXTURE, MILK-POWDER, CHEESE, MARGARINE, SALAD-OIL, AND EATABLE FAT. BALDUIN KNOBLAUCH, Hamburg, Germany.
Filed March 5, 1935. Serial No. 362,146. PUBLISHED APRIL 21, 1936. Class 46.

336,153. CHAIRS, TABLES, SERVERS, BENCHES, CABINETS, GLIDERS, SETTEES, DRESSING TABLES, CELLARETTES, BUFFETS, TEA CARTS, DESKS, SECRETARIES, OTTOMANS, BOOK CASES, ETC. THE LASALLE & KOCH CO., Toledo, Ohio.
Filed January 20, 1936. Serial No. 373,878. PUBLISHED APRIL 21, 1936. Class 32.

336,154. DRY CLEANING PASTE SOAP USED IN DRY CLEANING PLANTS FOR REMOVING DIRT AND STAINS FROM WEARING APPAREL. MIDLAND CHEMICAL LABORATORIES, INC., Dubuque, Iowa.
Filed February 3, 1936. Serial No. 374,424. PUBLISHED APRIL 14, 1936. Class 4.

336,155. BITUMINOUS OR SOFT COAL. MORRIS COAL AND MINING COMPANY, Morris, Ill.
Filed April 30, 1935. Serial No. 364,394. PUBLISHED APRIL 21, 1936. Class 1.

336,156. SACCHARINE, EXTRACT OF MEAT, FRUIT PRESERVES, DRIED VEGETABLES, DRIED FRUITS, JUICES OF FRUITS FOR FOOD PURPOSES, JAMS, JELLIES, ALMONDS, ETC. DR. AUGUST OETKER, Bielefeld, Germany.
Filed April 18, 1935. Serial No. 363,942. PUBLISHED APRIL 21, 1936. Class 46.

336,157. COTTON NECKTIE MATERIALS. PACIFIC MILLS, Lawrence and Boston, Mass.
Filed April 25, 1935. Serial No. 364,193. PUBLISHED APRIL 21, 1936. Class 42.

336,158. LUBRICATING OILS AND GREASES, FUEL AND ILLUMINATING OILS, ROAD OILS, BLENDED AND STRAIGHT REFINED GASOLENE, AND WAX—NAMELY, PARAFFIN REFINED FROM PARAFFIN CRUDE PETROLEUM. QUAKER STATE OIL REFINING COMPANY, Oil City, Pa.
Filed January 29, 1936. Serial No. 374,250. PUBLISHED APRIL 21, 1936. Class 15.

336,159. LUBRICATING OILS AND GREASES, FUEL AND ILLUMINATING OILS, ROAD OILS, BLENDED AND STRAIGHT REFINED GASOLENE, AND WAX—NAMELY, PARAFFIN REFINED FROM PARAFFIN CRUDE PETROLEUM. QUAKER STATE OIL REFINING COMPANY, Oil City, Pa.
Filed January 29, 1936. Serial No. 374,251. PUBLISHED APRIL 21, 1936. Class 15.

336,160. WOMEN'S, MISSES' AND CHILDREN'S PAJAMAS AND NEGLIGEES. M. C. SCHRANK COMPANY, Bridgeton, N. J.
Filed February 3, 1936. Serial No. 374,437. PUBLISHED APRIL 21, 1936. Class 39.

336,161. APPARATUS SUCH AS BALL MILLS, TUBE MILLS, AND COMPARTMENT MILLS FOR DRYING AND GRINDING MATERIALS SUCH AS COAL, COKE, CEMENT RAW MATERIALS, AND THE LIKE. F. L. SMIDTH & CO., New York, N. Y.
Filed January 28, 1936. Serial No. 374,215. PUBLISHED APRIL 21, 1936. Class 23.

336,162. LUBRICATING GREASES. STANDARD OIL COMPANY OF NEW JERSEY, Wilmington, Del.
Filed February 26, 1935. Serial No. 361,856. PUBLISHED APRIL 21, 1936. Class 15.

336,163. TEXTILE RIBBONS SOLD BY THE YARD, SPOOL, PIECE OR BOLT. STARK BROS. RIBBON CORPORATION, New York, N. Y.
Filed February 3, 1936. Serial No. 374,441. PUBLISHED APRIL 21, 1936. Class 42.

336,164. SKIN LOTIONS, FACE CREAMS, THROAT GARGLE, THROAT WASH, TOOTH POWDER, TOOTH PASTE, LAXATIVE PREPARATIONS, HAIR TONIC, ETC. MICHAEL J. STRASSNER, doing business as Q. D. A. Laboratories, Paterson, N. J.
Filed May 13, 1935. Serial No. 364,897. PUBLISHED APRIL 21, 1936. Class 6.

336,165. GASOLINE. TIDE WATER OIL COMPANY, Bayonne, N. J., and New York, N. Y.
Filed January 29, 1936. Serial No. 374,258. PUBLISHED APRIL 14, 1936. Class 15.

336,166. CAST IRON ALLOY. THE TURNER & SEYMOUR MANUFACTURING COMPANY, Torrington, Conn.
Filed January 18, 1936. Serial No. 373,846. PUBLISHED APRIL 21, 1936. Class 14.

336,167. CAST IRON ALLOY. THE TURNER & SEYMOUR MANUFACTURING COMPANY, Torrington, Conn.
Filed January 18, 1936. Serial No. 373,847. PUBLISHED APRIL 21, 1936. Class 14.

336,168. ELECTRODES TO BE USED IN NEON TUBES AND THE LIKE AND IN MERCURY TUBES. VOLT-ARC TUBES, INC., Newark, N. J.
Filed February 4, 1936. Serial No. 374,502. PUBLISHED APRIL 21, 1936. Class 21.

336,169. LATEX BATH BRUSHES. HARRY L. WELKER, Williamsport, Pa.
Filed February 4, 1936. Serial No. 374,503. PUBLISHED APRIL 21, 1936. Class 29.

336,170. REFRACTORY BRICKS, REFRACTORY CEMENT, INSULATING BLOCKS, INSULATING BRICKS, INSULATING CEMENT, AND FABRICATED MINERAL WOOL PIPE COVERING. THE EAGLE-PICHER LEAD COMPANY, Cincinnati, Ohio.
Filed February 6, 1936. Serial No. 374,555. PUBLISHED APRIL 21, 1936. Class 12.

336,171. TYING TAPE, CLOTHING TAPE, LINGERIE TAPE, FABRIC TAPE, SHOE-BINDING TAPE, AND CARPET-BINDING TAPE. HORACE W. SIDEBOTHAM, doing business as Aristocrat Narrow Fabric Co., Philadelphia, Pa.
Filed February 5, 1936. Serial No. 374,537. PUBLISHED APRIL 14, 1936. Class 40.

336,172. WATCHES—NAMELY, WRIST OR STRAP WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed December 28, 1935. Serial No. 373,115. PUBLISHED APRIL 21, 1936. Class 27.

336,173. MULTI-COLORED POST-CARDS AND PICTORIAL ILLUSTRATIONS. CURT TEICH & COMPANY, INC., Chicago, Ill.
Filed December 28, 1935. Serial No. 373,155. PUBLISHED APRIL 21, 1936. Class 38.

336,174. MULTI-COLORED POST-CARDS AND PICTORIAL ILLUSTRATIONS. CURT TEICH & COMPANY, INC., Chicago, Ill.
Filed December 28, 1935. Serial No. 373,154. PUBLISHED APRIL 21, 1936. Class 38.

336,175. WATCHES—NAMELY, WRIST OR STRAP WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed December 28, 1935. Serial No. 373,112. PUBLISHED APRIL 21, 1936. Class 27.

336,176. WATCHES—NAMELY, WRIST OR STRAP WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed December 28, 1935. Serial No. 373,116. PUBLISHED APRIL 21, 1936. Class 27.

336,177. MEN'S CLOTHING—NAMELY, COATS, VESTS, AND PANTS FOR WINTER AND SUMMER WEAR, AND SPORT PANTS AND TUXEDO VESTS. THE HIGH GRADE WAISTCOAT COMPANY, New York, N. Y.
Filed January 11, 1936. Serial No. 373,568. PUBLISHED APRIL 21, 1936. Class 39.

336,178. LATEX BABY PANTS. INTERNATIONAL LATEX CORPORATION, Rochester, N. Y.
Filed January 3, 1936. Serial No. 373,302. PUBLISHED APRIL 21, 1936. Class 39.

336,179. PREPARATIONS CONTAINING VARIOUS VITAMINS AND MINERALS FOR MEDICINAL, CORRECTIVE, AND NUTRITIONAL PURPOSES. U. S. VITAMIN CORPORATION, Wilmington, Del.
Filed January 8, 1936. Serial No. 373,467. PUBLISHED APRIL 7, 1936. Class 6.

336,180. PLYWOOD. HEIDNER & COMPANY, Tacoma, Wash.
Filed January 8, 1936. Serial No. 373,445. PUBLISHED APRIL 14, 1936. Class 12.

336,181. AUTOMOBILE BATTERIES, SPARK PLUGS. THE AMERICAN OIL COMPANY, Baltimore, Md.
Filed January 3, 1936. Serial No. 373,291. PUBLISHED APRIL 21, 1936. Class 21.

336,182. PIECE GOODS OF WOOL OR PART WOOL, OR COMBINED WOOL AND OTHER FIBROUS MATERIALS, SUCH AS COTTON, SILK, TRANSPARENT CELLULOSE MATERIAL, RAYON, AND RAYON WASTE. W. G. FISHER & CO. INC., New York, N. Y.
Filed January 10, 1936. Serial No. 373,526. PUBLISHED APRIL 21, 1936. Class 42.

336,183. SAWS. MARSHALL BEYMER, doing business as The Edison Steel Works, Cleveland, Ohio.
Filed January 10, 1936. Serial No. 373,517. PUBLISHED APRIL 21, 1936. Class 23.

336,184. CIGARS. ANGUEIRA, PEREZ Y COMPAÑIA, Habana, Cuba.
Filed January 9, 1936. Serial No. 373,491. PUBLISHED APRIL 21, 1936. Class 17.

336,185. CIGARS. ANGUEIRA, PEREZ Y COMPAÑIA, Habana, Cuba.
Filed January 9, 1936. Serial No. 373,480. PUBLISHED APRIL 21, 1936. Class 17.

336,186. ABRASIVE, SCRUBBING, CLEANING, AND POLISHING STONE FOR GRIDDLES, PANS, AND EQUIVALENT UTENSILS. GRIDD-STONE CO., San Francisco, Calif.
Filed January 11, 1936. Serial No. 373,565. PUBLISHED APRIL 21, 1936. Class 4.

336,187. WASHING POWDER, PASTE SOAP, SCOURING POWDER, AND DETERGENTS WITHOUT SOAP. CUNNINGHAM CLEANSER CORPORATION, New York, N. Y.
Filed January 2, 1936. Serial No. 373,285. PUBLISHED APRIL 14, 1936. Class 4.

336,188. TOP COATS, OVERCOATS, COATS, VESTS, TROUSERS, AND KNICKERBOCKERS FOR MEN, YOUTHS, AND BOYS. L. GREIF & BRO., INCORPORATED, Baltimore, Md.
Filed February 19, 1936. Serial No. 375,009. PUBLISHED APRIL 14, 1936. Class 39.

336,189. WAX FOR COATING AND POLISHING WOOD, METAL, AND OTHER SURFACES, AND LACQUER. S. C. JOHNSON & SON, INC., Racine, Wis.
Filed February 10, 1936. Serial No. 374,666. PUBLISHED APRIL 21, 1936. Class 16.

336,190. MEN'S, LADIES', AND CHILDREN'S PAJAMAS, SLEEPING GOWNS, HOUSEFROCKS, SLEEPERS, SLIPS, AND UNDERWEAR. M. C. SCHRANK COMPANY, Bridgeton, N. J.
Filed January 16, 1936. Serial No. 373,754. PUBLISHED APRIL 21, 1936. Class 39.

336,191. PHOTO ELECTRICALLY CONTROLLED DOOR OPERATING EQUIPMENT CONSISTING OF AIR COMPRESSOR, OPERATOR, CONTROL, POSTS, RAILS, AND OTHER PARTS. THE STANLEY WORKS, New Britain, Conn.
Filed December 31, 1935. Serial No. 373,234. PUBLISHED APRIL 21, 1936. Class 21.

336,192. LADIES' DRESSES. TRETEX DRESS CO., New York, N. Y.
Filed January 15, 1936. Serial No. 373,766. PUBLISHED APRIL 21, 1936. Class 39.

336,193. DOUGH WORKING MACHINES, PARTICULARLY PORTABLE FLOUR SIFTING APPARATUS INCLUDING DUMP BINS, SIFTING AND AERATING DEVICES, CONVEYORS, AND ELEVATORS. THOMSON MACHINE COMPANY, Belleville, N. J.
Filed January 10, 1936. Serial No. 373,543. PUBLISHED APRIL 21, 1936. Class 23.

336,194. EDIBLE OILS. LEGHORN TRADING CO., INC., New York, N. Y.
Filed February 25, 1936. Serial No. 375,214. PUBLISHED APRIL 21, 1936. Class 46.

336,195. TOP COATS, OVERCOATS, COATS, VESTS, TROUSERS, AND KNICKERBOCKERS FOR MEN, YOUTHS, AND BOYS. L. GREIF & BRO., INCORPORATED, Baltimore, Md.
Filed February 19, 1936. Serial No. 375,010. PUBLISHED APRIL 14, 1936. Class 39.

336,196. COLORED JUTE YARNS. REVONAH SPINNING MILLS, Hanover, Pa.
Filed February 18, 1936. Serial No. 374,981. PUBLISHED APRIL 14, 1936. Class 48.

336,197. COTTON AND RAYON PIECE GOODS. HAHLO & SOLOMON INC., New York, N. Y.
Filed February 18, 1936. Serial No. 374,970. PUBLISHED APRIL 21, 1936. Class 42.

336,198. ACOUSTICAL PLASTER. THE AMERICAN GYPSUM COMPANY, Port Clinton, Ohio.
Filed February 18, 1936. Serial No. 374,960. PUBLISHED APRIL 21, 1936. Class 12.

336,199. FABRICS IN THE PIECE, DYED AND FINISHED, COMPOSED OF SILK, SILK AND COTTON, SILK AND WOOL, SILK AND RAYON, AND RAYON. EMPIRE PIECE DYEING AND FINISHING COMPANY, Paterson, N. J.
Filed February 18, 1936. Serial No. 374,966. PUBLISHED APRIL 21, 1936. Class 42.

336,200. HARD RUBBER TRUSSES, LEATHER TRUSSES, ELASTIC TRUSSES, PTOSIS SUPPORTS ELASTIC ABDOMINAL SUPPORTERS, NON-ELASTIC ABDOMINAL SUPPORTERS, SACRO-ILIAC SUPPORTERS, ARCH SUPPORTS, ELASTIC HOSIERY, AND SHOULDER BRACES. WM. H. HORN & BROTHER, INCORPORATED, Philadelphia, Pa.
Filed January 30, 1936. Serial No. 374,293. PUBLISHED APRIL 21, 1936. Class 44.

336,201. KIT CONTAINING A METAL POLISH, A SPONGE, CHAMOIS, BRUSHES, AND OTHER INSTRUMENTS FOR CLEANING OF METALS. J. A. WRIGHT & CO. INC., Keene, N. H.
Filed January 13, 1936. Serial No. 373,631. PUBLISHED APRIL 21, 1936. Class 50.

336,202. KIT COTAINING A METAL POLISH, A SPONGE, CHAMOIS, BRUSHES, AND OTHER INSTRUMENTS FOR CLEANING OF METALS. J. A. WRIGHT & CO. INC., Keene, N. H.
Filed January 13, 1936. Serial No. 373,630. PUBLISHED APRIL 21, 1936. Class 50.

336,203. READY-MIXED PAINTS. NORFOLK PAINT & VARNISH COMPANY, Quincy and North Quincy, Mass.
Filed February 8, 1936. Serial No. 374,629. PUBLISHED APRIL 21, 1936. Class 16.

336,204. [WITHDRAWN.]

336,205. ELASTIC YARN AND THREAD. HARRIS TEXTILE MACHINERY CORPORATION, Providence, R. I.
Filed February 7, 1936. Serial No. 374,589. PUBLISHED APRIL 14, 1936. Class 43.

336,206. ELASTIC YARN AND THREAD. HARRIS TEXTILE MACHINERY CORPORATION, Providence, R. I.
Filed February 7, 1936. Serial No. 374,588. PUBLISHED APRIL 14, 1936. Class 43.

336,207. FRUIT FLAVORED GELATINE DESSERTS. MILLBROOK PRODUCTS CO., Somerville, Mass.
Filed February 6, 1936. Serial No. 374,565. PUBLISHED APRIL 21, 1936. Class 46.

336,208. WORK, NEGLIGEE, AND DRESS SHIRTS. LEXINGTON SHIRT CORPORATION, INC., Lexington, N. C.
Filed February 6, 1936. Serial No. 374,562. PUBLISHED APRIL 21, 1936. Class 39.

336,209. DISTILLED DRY GIN. FRANK J. GILLIAR, Great Neck, N. Y.
Filed March 19, 1936. Serial No. 376,166. PUBLISHED APRIL 21, 1936. Class 49.

336,210. MALTED MILK. NESTLÉS MILK PRODUCTS, INC., New York, N. Y.
Filed November 20, 1934. Serial No. 358,443. PUBLISHED APRIL 21, 1936. Class 46.

336,211. HOSIERY. LARKWOOD SILK HOSIERY MILLS, INC., Charlotte, N. C.
Filed February 17, 1936. Serial No. 374,954. PUBLISHED APRIL 21, 1936. Class 39.

336,212. WHISKEY. JOSEPH H. REINFELD, INC., Newark, N. J.
Filed February 17, 1936. Serial No. 374,941. PUBLISHED APRIL 21, 1936. Class 49.

336,213. HOSIERY. LARKWOOD SILK HOSIERY MILLS, INC., Charlotte, N. C.
Filed February 17, 1936. Serial No. 374,930. PUBLISHED APRIL 21, 1936. Class 39.

336,214. SELF-SUPPORTING UNITS FOR WALLS AND ROOFS OF STEEL BUILDINGS AND REENFORCED CONCRETE BUILDINGS, AND STRUCTURAL BUILDING PARTS AND MEMBERS USED THEREWITH. FERROCON CORPORATION, Philadelphia, Pa.
Filed February 17, 1936. Serial No. 374,926. PUBLISHED APRIL 14, 1936. Class 12.

336,215. CHEMICALLY CONTROLLED FERTILIZER. THE GULF FERTILIZER COMPANY, Tampa, Fla.
Filed May 21, 1935. Serial No. 365,197. PUBLISHED SEPTEMBER 17, 1935. Class 10.

336,216. MEN'S AND BOYS' CLOTHING—NAMELY, SUITS, COATS, AND PANTS. J. C. PENNY COMPANY, Wilmington, Del., and New York, N. Y.
Filed February 15, 1936. Serial No. 374,907. PUBLISHED APRIL 14, 1936. Class 39.

336,217. LADIES' UNDERWEAR SLIPS. THE PATRICIA PETTICOAT CO., INC., New York, N. Y.
Filed February 15, 1936. Serial No. 374,901. PUBLISHED APRIL 21, 1936. Class 39.

336,218. PAPER TOWELS. BAY WEST PAPER COMPANY, Green Bay, Wis.
Filed February 15, 1936. Serial No. 374,876. PUBLISHED APRIL 21, 1936. Class 37.

336,219. MEN'S NECKTIES AND MUFFLERS. THE WEISBAUM BROS., BROWER COMPANY, Cincinnati, Ohio.
Filed February 14, 1936. Serial No. 374,868. PUBLISHED APRIL 21, 1936. Class 39.

336,220. FISH MEAL, ALFALFA MEAL, FISH OIL, AND WHALE OIL FOR STOCK FEEDING PURPOSES. SHAFER-HAGGART LTD., Vancouver, British Columbia, Canada.
Filed June 19, 1935. Serial No. 366,378. PUBLISHED APRIL 21, 1936. Class 46.

336,221. CANNED CANDIES AND PASTRIES. JACOB CHORBAJIAN, Los Angeles, Calif.
Filed June 24, 1935. Serial No. 366,552. PUBLISHED APRIL 21, 1936. Class 46.

336,222. HOSIERY. LYNCHBURG HOSIERY MILLS, INC., Lynchburg, Va.
Filed February 14, 1936. Serial No. 374,839. PUBLISHED APRIL 21, 1936. Class 39.

336,223. SHERRY WINE. R. C. WILLIAMS & COMPANY, INC., New York, N. Y.
Filed June 24, 1935. Serial No. 366,592. PUBLISHED APRIL 21, 1936. Class 47.

336,224. LADIES' AND CHILDREN'S DRESSES, COATS, SUITS, BLOUSES, AND SKIRTS OF COTTON OR SIMILAR FABRICS. STEINER-LIBERTY CORPORATION, Baltimore, Md.
Filed October 30, 1934. Serial No. 357,686. PUBLISHED APRIL 21, 1936. Class 39.

336,225. WINE. JOSÉ MARIA DE HOYOS Y VINENT, doing business as Sanchez Romate Hnos, Jerez de la Frontera, Spain.
Filed October 31, 1934. Serial No. 357,720. PUBLISHED JUNE 4, 1935. Class 47.

336,226. WHISKEY. D & B PRODUCTS CORPORATION, Jersey City, N. J.
Filed February 14, 1936. Serial No. 374,819. PUBLISHED APRIL 21, 1936. Class 49.

336,227. APPLEJACK BRANDY. JOSEPH H. REINFELD, INC., Newark, N. J.
Filed February 13, 1936. Serial No. 374,802. PUBLISHED APRIL 21, 1936. Class 49.

336,228. BOYS' OUTER SHIRTS AND PAJAMAS. PLYMOUTH WHOLESALE DRY GOODS CORP., New York, N. Y.
Filed February 13, 1936. Serial No. 374,799. PUBLISHED APRIL 21, 1936. Class 39.

336,229. PORT WINE. R. C. WILLIAMS & COMPANY, INC., New York, N. Y.
Filed June 24, 1935. Serial No. 366,593. PUBLISHED APRIL 21, 1936. Class 47.

336,230. COMBINATIONS OR BLENDS OF HERBS AND SPICES FOR SEASONING AND SPICED VINEGAR. FRANK A. SHIPLEY, doing business as Kitchens of El Paseo, Santa Paula, Calif.
Filed July 3, 1935. Serial No. 366,966. PUBLISHED APRIL 21, 1936. Class 46.

336,231. STARCHING COMPOUNDS. J. ELLIOTT WILEY, doing business as Blurex Mfg. Co., Philadelphia, Pa., assignor to The Stevens-Wiley Manufacturing Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania.
Filed January 4, 1933. Serial No. 333,648. PUBLISHED MARCH 21, 1933. Class 6.

336,232. LININGS, SUITINGS, PIECE GOODS, AND DRESS GOODS. N. ERLANGER, BLUMGART & CO., INC., New York, N. Y.
Filed January 28, 1936. Serial No. 374,184. PUBLISHED APRIL 21, 1936. Class 42.

336,233. INK WELLS. SECURITY PRODUCTS COMPANY, Los Angeles, Calif.
Filed January 27, 1936. Serial No. 374,162. PUBLISHED APRIL 21, 1936. Class 37.

336,234. TRAILERS. JOHN V. MORSE, doing business as Bell Trailer Co., Chicago, Ill.
Filed January 27, 1936. Serial No. 374,153. PUBLISHED APRIL 21, 1936. Class 19.

336,235. FILES AND RASPS. NICHOLSON FILE COMPANY, Providence, R. I.
Filed January 27, 1936. Serial No. 374,155. PUBLISHED APRIL 21, 1936. Class 23.

336,236. ORIENTAL, AMERICAN ORIENTAL, AND AMERICAN RUGS. KRESGE DEPARTMENT STORE NEWARK, Newark, N. J.
Filed January 27, 1936. Serial No. 374,145. PUBLISHED APRIL 21, 1936. Class 42.

336,237. ELECTRICAL MEASURING DEVICES COMPRISING AN ELECTRODE AND THEREWITH CONNECTED METERS AND RESISTANCES USED IN DETERMINING THE SOLIDS DISSOLVED IN A LIQUID. NATIONAL ALUMINATE CORPORATION, Chicago, Ill.
Filed January 25, 1936. Serial No. 374,090. PUBLISHED APRIL 21, 1936. Class 26.

336,238. PERIODICAL PUBLICATION. TIMES-MIRROR PRINTING AND BINDING HOUSE, Los Angeles, Calif.
Filed January 24, 1936. Serial No. 374,064. PUBLISHED APRIL 21, 1936. Class 38.

336,239. WOMEN'S HOUSE DRESSES, APRONS, AND NURSES' AND WAITRESSES' UNIFORMS. ROYAL MFG. CO., Los Angeles, Calif.
Filed January 24, 1936. Serial No. 374,060. PUBLISHED APRIL 21, 1936. Class 39.

336,240. DOMESTIC AND INDUSTRIAL OIL BURNERS. ANTHONY B. COREY, Philadelphia, Pa.
Filed January 23, 1936. Serial No. 373,999. PUBLISHED APRIL 21, 1936. Class 34.

336,241. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SYRUPS FOR MAKING THE SAME. JOSEPH SCHWARTZ, doing business as Flash Syrup Company, New York, N. Y.
Filed January 22, 1936. Serial No. 373,977. PUBLISHED APRIL 21, 1936. Class 45.

336,242. DRY PLASTIC COLD WATER PAINT. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed January 20, 1936. Serial No. 373,898. PUBLISHED APRIL 21, 1936. Class 16.

336,243. MEN'S, BOYS', AND CHILDREN'S OUTER GARMENTS, CONSISTING OF COATS, VESTS, PANTS, AND TROUSERS. COHEN, GOLDMAN & CO. INC., New York, N. Y.
Filed February 24, 1936. Serial No. 375,128. PUBLISHED APRIL 21, 1936. Class 39.

336,244. LADIES' SLIPS, CHEMISES, AND PANTIES. B. & L. UNDERGARMENT CO., INC., New York, N. Y.
Filed February 24, 1936. Serial No. 375,117. PUBLISHED APRIL 21, 1936. Class 39.

336,245. OLIVE OIL. UNANUE, INC., New York, N. Y.
Filed February 21, 1936. Serial No. 375,110. PUBLISHED APRIL 21, 1936. Class 46.

336,246. PAPER BAGS AND MERCHANDISE ENVELOPES. SCHORSCH & CO., INC., New York, N. Y.
Filed February 21, 1936. Serial No. 375,099. PUBLISHED APRIL 21, 1936. Class 2.

336,247. WATCHES—NAMELY, WRIST OR STRAP WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed December 28, 1935. Serial No. 373,113. PUBLISHED APRIL 21, 1936. Class 27.

336,248. WATCHES—NAMELY, WRIST OR STRAP WATCHES. BULOVA WATCH COMPANY, INC., New York, N. Y.
Filed December 28, 1935. Serial No. 373,114. PUBLISHED APRIL 21, 1936. Class 27.

336,249. REFINED COPPER, REFINED SILVER, REFINED SELENIUM, AND REFINED TELLURIUM. CANADIAN COPPER REFINERS LIMITED, Toronto, Ontario, and Montreal East, Quebec, Canada.
Filed December 24, 1935. Serial No. 373,019. PUBLISHED APRIL 21, 1936. Class 14.

336,250. ALBUMS. ALBERT A. AINSWORTH, Ossining, N. Y.
Filed December 27, 1935. Serial No. 373,094. PUBLISHED APRIL 21, 1936. Class 37.

336,251. WINES. CALIFORNIA WINERIES & DISTILLERIES, INC., Oakland, Calif.
Filed April 6, 1934. Serial No. 349,615. PUBLISHED JUNE 12, 1934. Class 47.

336,252. GIN. BUSHMILL WINE & PRODUCTS COMPANY, INC., Scranton, Pa.
Filed June 18, 1934. Serial No. 352,812. PUBLISHED JULY 24, 1934. Class 49.

336,253. CANNED FRUITS, CANNED VEGETABLES. TRI-VALLEY PACKING ASSOCIATION, San Francisco, Calif.
Filed July 31, 1934. Serial No. 354,486. PUBLISHED MAY 7, 1935. Class 46.

336,254. LEAD PENCILS AND LEADS. HORDER'S INCORPORATED, Chicago, Ill.
Filed August 4, 1934. Serial No. 354,652. PUBLISHED MAY 7, 1935. Class 37.

336,255. PORTABLE BUILDINGS, ESSENTIAL SECTIONS OF BUILDINGS, SUCH AS WALL SECTIONS FOR INNER AND OUTER WALLS, PANELS, FLOOR PANELS AND OTHER SECTIONS, CEILING PANELS AND OTHER SECTIONS, AND THE LIKE. FOSTER GUNNISON, New York, N. Y.
Filed August 9, 1934. Serial No. 354,799. PUBLISHED APRIL 14, 1936. Class 12.

336,256. MACHINES FOR CLEANING AND DEGREASING METAL PARTS AND THE LIKE BY THE USE OF GREASE SOLVENTS. DETROIT REX PRODUCTS COMPANY, Detroit, Mich.
Filed January 18, 1936. Serial No. 373,821. PUBLISHED APRIL 21, 1936. Class 23.

336,257. CANDY. SEE'S CANDY SHOPS, INCORPORATED, Los Angeles, Calif.
Filed January 17, 1936. Serial No. 373,807. PUBLISHED APRIL 21, 1936. Class 46.

336,258. DESICCATED COCONUT. COOPERATIVE COCONUT PRODUCTS, INC., Tiaon, P. I.
Filed February 13, 1936. Serial No. 374,785. PUBLISHED APRIL 21, 1936. Class 46.

336,259. BLANK ACCOUNT SHEETS, CARDS, TICKETS, AND CHECKS USED IN BANKING ACCOUNTS. CHECK-O-MATIC CORPORATION, Bogota, N. J.
Filed February 11, 1936. Serial No. 374,707. PUBLISHED APRIL 21, 1936. Class 37.

336,260. REFRIGERATORS FOR THE PRESERVATION OF FOODSTUFFS AND FOR COLD STORAGE PURPOSES BUT NOT FOR VENTILATING PURPOSES AND EVAPORATOR UNITS FOR REFRIGERATORS. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed January 16, 1936. Serial No. 373,759. PUBLISHED APRIL 21, 1936. Class 31.

336,261. WOMEN'S AND CHILDREN'S DRESSES AND BLOUSES. ELIAS SAYOUR CO. INC., New York, N. Y.
Filed February 10, 1936. Serial No. 374,700. PUBLISHED APRIL 21, 1936. Class 39.

336,262. TABLE SYRUP. FRANK L. PLUMB, doing business as Frank L. Plumb Company, Fairfax, Mo.
Filed October 9, 1934. Serial No. 356,913. PUBLISHED APRIL 21, 1936. Class 46.

336,263. NATURAL MINERAL WATERS. LEE BROS., Alameda, Calif.
Filed January 5, 1935. Serial No. 359,955. PUBLISHED MARCH 5, 1935. Class 45.

336,264. ELECTRIC SURFACE WIRING MATERIAL—NAMELY, ELECTRICAL RECEPTACLES, PENDANT OUTLETS, FLUSH PLATES, COVERS AND FRAMES FOR RECEPTACLES, ELECTRICAL CONDUCTORS, AND ACCESSORIES FOR ELECTRICAL WIRING MATERIAL. THE BRYANT ELECTRIC COMPANY, Bridgeport, Conn.
Filed February 5, 1935. Serial No. 361,048. PUBLISHED APRIL 21, 1936. Class 21.

336,265. PAPER PATTERNS FOR GARMENTS. THE NEW YORK PATTERN COMPANY, INC., New York, N. Y.
Filed February 6, 1935. Serial No. 361,109. PUBLISHED APRIL 21, 1936. Class 26.

336,266. LAMINATED GLASS SPECTACLE LENSES AND BLANKS THEREFOR. U. S. LAMINATED GLASS CORPORATION, Indianapolis, Ind.
Filed February 8, 1935. Serial No. 361,197. PUBLISHED APRIL 21, 1936. Class 26.

336,267. BINDING TAPE FOR USE IN BOOTS AND SHOES. PERO & DANIELS, INC., Jamaica Plain, Mass.
Filed February 12, 1935. Serial No. 361,323. PUBLISHED APRIL 14, 1936. Class 40.

336,268. BOTTLE CAP MAKING MACHINES AND MACHINES FOR CLOSING BOTTLES BY APPLYING CAPS. ANDERS JOSEF JONSSON, Linkoping, Sweden.
Filed February 13, 1935. Serial No. 361,361. PUBLISHED APRIL 21, 1936. Class 23.

336,269. PUMP TANKS. F. S. & W. W. HIRSCH, Los Angeles, Calif.
Filed February 18, 1935. Serial No. 361,523. PUBLISHED APRIL 21, 1936. Class 23.

336,270. BELT DRESSING. LUTHER M. TERRELL, doing business as Terrell Belt Dressing Manufacturing Company, Gadsden, Ala.
Filed February 25, 1935. Serial No. 361,826. PUBLISHED APRIL 21, 1936. Class 4.

336,271. PNEUMATIC TIRES AND TUBES FOR VEHICLE WHEELS. THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio.
Filed February 5, 1936. Serial No. 374,530. PUBLISHED APRIL 21, 1936. Class 35.

336,272. DRY CLEANING FLUIDS. ODORA COMPANY, INC., New York, N. Y.
Filed August 8, 1935. Serial No. 368,111. PUBLISHED APRIL 14, 1936. Class 4.

336,273. SOAP, SOAP PREPARATIONS, WASHING AND BLEACHING PREPARATIONS, SPOT-REMOVING PREPARATIONS, CLEANING AND SCOURING PREPARATIONS. BÖHME FETTCHEMIE-GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, Chemnitz, Germany.
Filed August 15, 1935. Serial No. 368,324. PUBLISHED APRIL 21, 1936. Class 4.

336,274. WRITING PAPER, PRINTING PAPER, AND BOND PAPER. NATION WIDE PAPERS, INC., Chicago, Ill.
Filed August 15, 1935. Serial No. 368,339. PUBLISHED APRIL 21, 1936. Class 37.

336,275. HIGH VOLATILE BITUMINOUS COAL MINED IN THE STATE OF VIRGINIA. THE NORTHERN COAL & DOCK COMPANY, St. Paul, Minn.
Filed August 19, 1935. Serial No. 368,494. PUBLISHED APRIL 21, 1936. Class 1.

336,276. FABRICS IN THE PIECE MADE OF RAYON AND SYNTHETIC YARN. S. J. ARONSOHN, INC., New York, N. Y.
Filed February 21, 1936. Serial No. 375,072. PUBLISHED APRIL 21, 1936. Class 42.

336,277. LADIES', MEN'S, AND BOYS' WEARING APPAREL—VIZ., OUTER SHIRTS AND PAJAMAS OF TEXTILE FABRIC. THE GUILD SHIRT COMPANY, Hazleton, Pa.
Filed February 20, 1936. Serial No. 375,050. PUBLISHED APRIL 21, 1936. Class 39.

336,278. LADIES', MEN'S, AND BOYS' WEARING APPAREL—VIZ., OUTER SHIRTS AND PAJAMAS OF TEXTILE FABRIC. THE GUILD SHIRT COMPANY, Hazleton, Pa.
Filed February 20, 1936. Serial No. 375,049. PUBLISHED APRIL 21, 1936. Class 39.

336,279. TOP COATS AND OVERCOATS FOR MEN, YOUTHS, AND BOYS. L. GREIF & BRO., INCORPORATED, Baltimore, Md.
Filed February 19, 1936. Serial No. 375,011. PUBLISHED APRIL 21, 1936. Class 39.

336,280. LENSES FOR SCIENTIFIC USE, PRISMS, REFLECTORS FOR SCIENTIFIC USE, MICROSCOPES, PROJECTING APPARATUS, CINEMATOGRAPHS, CGYSTOSCOPES, ETC. CARL ZEISS, Jena, Germany.
Filed March 2, 1936. Serial No. 375,485. PUBLISHED APRIL 21, 1936. Class 26.

336,281. ELECTRIC LIGHTING FIXTURES AND PARTS THEREOF. AD. TRIAD, INC., Detroit, Mich.
Filed March 2, 1936. Serial No. 375,480. PUBLISHED APRIL 21, 1936. Class 21.

336,282. PNEUMATIC VEHICLE TIRES AND INNER TUBES THEREFOR. THE SPIEGEL, MAY, STERN COMPANY, INCORPORATED, Chicago, Ill.
Filed March 2, 1936. Serial No. 375,477. PUBLISHED APRIL 21, 1936. Class 35.

336,283. PNEUMATIC VEHICLE TIRES AND INNER TUBES THEREFOR. THE SPIEGEL, MAY, STERN COMPANY, INCORPORATED, Chicago, Ill.
Filed March 2, 1936. Serial No. 375,476. PUBLISHED APRIL 21, 1936. Class 35.

336,284. OPTICAL LENSES. PHILLIP S. NEWTON, doing business as Chemo-Ray Lens Company, San Francisco, Calif.
Filed March 2, 1936. Serial No. 375,458. PUBLISHED APRIL 21, 1936. Class 26.

336,285. BEVERAGE POWDER FOR MAKING A NON-ALCOHOLIC MALTLESS DRINK. GENERAL DESSERTS CORPORATION, New York, N. Y.
Filed March 2, 1936. Serial No. 375,435. PUBLISHED APRIL 21, 1936. Class 45.

336,286. MATTRESSES. QUALITY MATTRESS CO., Rochester, N. Y.
Filed February 29, 1936. Serial No. 375,399. PUBLISHED APRIL 21, 1936. Class 32.

336,287. EVAPORATED SKIMMED MILK. PEVELY DAIRY COMPANY, St. Louis, Mo.
Filed February 29, 1936. Serial No. 375,398. PUBLISHED APRIL 21, 1936. Class 46.

336,288. MATTRESSES. EGAN-LUTH BED COMPANY, INC., Buffalo, N. Y.
Filed February 29, 1936. Serial No. 375,381. PUBLISHED APRIL 21, 1936. Class 32.

336,289. MATTRESSES. EGAN-LUTH BED COMPANY, INC., Buffalo, N. Y.
Filed February 29, 1936. Serial No. 375,380. PUBLISHED APRIL 21, 1936. Class 32.

336,290. RICE. BATON ROUGE RICE MILL, INC., Baton Rouge, La.
Filed February 29, 1936. Serial No. 375,374. PUBLISHED APRIL 21, 1936. Class 46.

336,291. PLAYING CARDS. THE UNITED STATES PLAYING CARD COMPANY, East Norwood, Cincinnati, Ohio.
Filed February 28, 1936. Serial No. 375,361. PUBLISHED APRIL 21, 1936. Class 22.

336,292. SAFETY RAZORS AND RAZOR BLADES. AMERICAN MERCHANDISE CO., New York, N. Y.
Filed February 29, 1936. Serial No. 375,371. PUBLISHED APRIL 21, 1936. Class 23.

336,293. TYPEWRITING, AND COMBINED WRITING AND CALCULATING MACHINES, AND PARTS THEREOF. UNDERWOOD ELLIOTT FISHER COMPANY, New York, N. Y.
Filed February 28, 1936. Serial No. 375,360. PUBLISHED APRIL 21, 1936. Class 23.

336,294. OLEOMARGARINE. SWIFT AND COMPANY, Chicago, Ill.
Filed February 28, 1936. Serial No. 375,357. PUBLISHED APRIL 21, 1936. Class 46.

336,295. TOILET SOAPS AND SHAVING CREAMS. SHULTON, INC., New York, N. Y.
Filed February 26, 1936. Serial No. 375,273. PUBLISHED APRIL 21, 1936. Class 4.

336,296. SHAVING SOAP, TOILET SOAP, GLYCERINE SOAP, BATH SOAP, CREAM SOAP, LIQUID GLYCERINE SOAP, SILVER CLEANING SOAP, SHAVING STICK. FERD. MÜLHENS, INC., New York, N. Y.
Filed February 26, 1936. Serial No. 375,263. PUBLISHED APRIL 14, 1936. Class 4.

336,297. COMBINATION CARD AND BOARD GAME. HAROLD B. LLOYD, Sioux City, Iowa.
Filed February 26, 1936. Serial No. 375,257. PUBLISHED APRIL 21, 1936. Class 22.

336,298. FRESH CITRUS FRUITS. INTERNATIONAL FRUIT CORPORATION, Tampa, Fla.
Filed February 26, 1936. Serial No. 375,250. PUBLISHED APRIL 21, 1936. Class 46.

336,299. MEAT GRINDER KNIVES AND MEAT GRINDER PLATES. CHARLES W. DIECKMANN, doing business as The Specialty Manufacturers Sales Co., Chicago, Ill.
Filed December 21, 1935. Serial No. 372,908. PUBLISHED APRIL 21, 1936. Class 23.

336,300. PAPER WEIGHTS AND BOOK MARKS. MAURICE HIRSCH, Houston, Tex.
Filed December 21, 1935. Serial No. 372,913. PUBLISHED APRIL 21, 1936. Class 37.

336,301. REFRIGERATORS AND PARTS THEREOF. BORG-WARNER CORPORATION, Chicago, Ill., and Detroit, Mich.
Filed December 23, 1935. Serial No. 372,956. PUBLISHED APRIL 21, 1936. Class 31.

336,302. RAW AND PARTLY PREPARED VEGETABLE FIBRES. JAMES MCCRAE, London, England.
Filed December 23, 1935. Serial No. 372,980. PUBLISHED APRIL 21, 1936. Class 1.

336,303. ARTIFICIAL FLOWERS. MCDOUGALL & SOUTHWICK COMPANY, Seattle, Wash.
Filed July 9, 1935. Serial No. 367,103. PUBLISHED APRIL 7, 1936. Class 40.

336,304. AIRCRAFT ENGINES AND PARTS THEREOF. ROLLS-ROYCE LIMITED, Derby, England.
Filed July 12, 1935. Serial No. 367,210. PUBLISHED APRIL 21, 1936. Class 23.

336,305. INSTRUMENTS HAVING THERMOSTATICALLY-OPERATED SWITCHES FOR ELECTRICALLY CONTROLLING THE COMPRESSOR MOTOR OF REFRIGERATORS AND THEREBY CONTROLLING THE TEMPERATURES PRODUCED IN THE REFRIGERATORS. THE AUTOMATIC RECLOSING CIRCUIT BREAKER CO., Columbus, Ohio.
Filed July 16, 1935. Serial No. 367,335. PUBLISHED APRIL 21, 1935. Class 26.

336,306. PUBLICATION ISSUED WEEKLY DEVOTED TO THE REVIEW OF CATHOLIC ACHIEVEMENT THROUGHOUT THE WORLD. THE AMERICA PRESS, New York, N. Y.
Filed July 27, 1935. Serial No. 367,749. PUBLISHED APRIL 21, 1936. Class 38.

336,307. ELECTRIC LAMP BULBS, TUNGSTEN ELECTRIC LAMP BULBS, NERNST INCANDESCENT ELECTRIC LAMPS, ELECTRIC LAMP WITH METALLIC FILAMENTS, FILAMENTS FOR ELECTRIC LAMPS, SOCKETS FOR ELECTRIC LAMPS, PLUGS FOR ELECTRIC LAMPS, POCKET ELECTRIC LAMPS. YEBISU DENKYU KABUSHIKI KWAISHA, Tokyo, Japan.
Filed July 31, 1935. Serial No. 367,879. PUBLISHED APRIL 21, 1936. Class 21.

336,308. BUTTER SLICERS. FREDERICK F. LOWENFELS & SON, New York, N. Y.
Filed August 2, 1935. Serial No. 367,930. PUBLISHED APRIL 21, 1936. Class 23.

336,309. WHISKEYS, BRANDIES, GINS, AND CORDIALS. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J.
Filed March 18, 1936. Serial No. 376,140. PUBLISHED APRIL 21, 1936. Class 49.

336,310. CAKES AND PASTRIES. CHIMES BROWNIES, INC., New York, N. Y.
Filed December 16, 1935. Serial No. 372,654. PUBLISHED APRIL 21, 1936. Class 46.

336,311. MEN'S SUITS. LEVY BROS. & ADLER ROCHESTER, INCORPORATED, Rochester, N. Y.
Filed December 20, 1935. Serial No. 372,879. PUBLISHED APRIL 21, 1936. Class 39.

336,312. WHISKEYS, BRANDIES, GINS, AND CORDIALS. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J.
Filed March 18, 1936. Serial No. 376,139. PUBLISHED APRIL 21, 1936. Class 49.

336,313. WHISKEYS, BRANDIES, GINS, AND CORDIALS. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J.
Filed March 18, 1936. Serial No. 376,136. PUBLISHED APRIL 21, 1936. Class 49.

336,314. WHISKEYS, BRANDIES, GINS, AND CORDIALS. JACOB S. POLEFSKY, doing business as Continental Pure Products Co., Jersey City, N. J.
Filed March 18, 1936. Serial No. 376,135. PUBLISHED APRIL 21, 1936. Class 49.

336,315. WHISKEY. JAMES J. SULLIVAN, Boston, Mass.
Filed March 16, 1936. Serial No. 376,074. PUBLISHED APRIL 21, 1936. Class 49.

336,316. WHISKEY. JOSEPH H. REINFELD, INC., Newark, N. J.
Filed March 14, 1936. Serial No. 376,010. PUBLISHED APRIL 21, 1936. Class 49.

336,317. GIN. WALTER P. POWERS, Chicago, Ill.
Filed March 14, 1936. Serial No. 376,006. PUBLISHED APRIL 21, 1936. Class 49.

336,318. WHISKEY. HIRAM WALKER & SONS, INC., Peoria, Ill.
Filed March 13, 1936. Serial No. 375,967. PUBLISHED APRIL 21, 1936. Class 49.

336,319. WHISKEY. HILMAR EHRMANN, doing business as Hilmar Ehrmann & Company, Louisville, Ky.
Filed March 13, 1936. Serial No. 375,935. PUBLISHED APRIL 21, 1936. Class 49.

336,320. COIN OPERATED BAGATELLE GAMES, COIN OPERATED COUNTER GAME MACHINES, AND TOYS. HENRY W. SEIDEN AND COMPANY, Albany, N. Y.
Filed March 11, 1936. Serial No. 375,863. PUBLISHED APRIL 21, 1936. Class 22.

336,321. NONALCOHOLIC MALTLESS BEVERAGE SOLD AS SOFT DRINK. DAVID SEIDEN, New York, N. Y., assignor to Kol-Drink, Inc., New York, N. Y.
Filed March 10, 1936. Serial No. 375,787. PUBLISHED APRIL 21, 1936. Class 45.

336,322. CANNED FISH, CANNED VEGETABLES, CANNED CHERRIES, CANNED FRUITS, CANNED BERRIES, CANNED PUMPKIN, AND FRESH APPLES. GRONEWEG & SCHOENTGEN COMPANY, Council Bluffs, Iowa.
Filed March 5, 1936. Serial No. 375,578. PUBLISHED APRIL 21, 1936. Class 46.

336,323. VARNISHES. W. P. FULLER & Co., San Francisco, Calif.
Filed March 5, 1936. Serial No. 375,576. PUBLISHED APRIL 21, 1936. Class 16.

336,324. MODEL OR TOY AIRPLANES. EMMERT-HAMMES, INC., Detroit, Mich.
Filed March 5, 1936. Serial No. 375,574. PUBLISHED APRIL 21, 1936. Class 22.

336,325. PLAYING CARDS. THE UNITED STATES PLAYING CARD COMPANY, East Norwood, Cincinnati, Ohio.
Filed March 4, 1936. Serial No. 375,564. PUBLISHED APRIL 21, 1936. Class 22.

336,326. SHUTTLE EMBROIDERY MACHINES, HAND EMBROIDERY MACHINES, THREADING MACHINES, EMBROIDERY REELING MACHINES, ETC. SAENTIS, INC., Union City, N. J.
Filed March 4, 1936. Serial No. 375,558. PUBLISHED APRIL 21, 1936. Class 23.

336,327. BEVERAGE POWDER, FOR THE PREPARATION OF A MALTLESS NON-ALCOHOLIC BEVERAGE. GENERAL DESSERTS CORPORATION, New York, N. Y.
Filed March 4, 1936. Serial No. 375,543. PUBLISHED APRIL 21, 1936. Class 45.

336,328. NON-ALCOHOLIC, NON-CEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS, AND SIRUPS AND EXTRACTS FOR MAKING THE SAME. FORT DODGE BOTTLING WORKS, INC., Fort Dodge, Iowa.
Filed March 4, 1936. Serial No. 375,541. PUBLISHED APRIL 21, 1936. Class 45.

336,329. PIANOS. THE BALDWIN COMPANY, Cincinnati, Ohio.
Filed December 30, 1935. Serial No. 373,160. PUBLISHED APRIL 21, 1936. Class 36.

336,330. BASEBALL BATS. EARL G. STALKER, doing business as The Doubleday Field Diamond Bat Co., Cooperstown, N. Y., assignor to Elsie K. Stalker, Cooperstown, N. Y., doing business as The Doubleday Field Diamond Bat Co.
Filed March 3, 1936. Serial No. 375,523. PUBLISHED APRIL 21, 1936. Class 22.

336,331. ADVERTISING PAGES SOLD TO NEWSPAPERS. PIERRE LA BONTE JR. CO., INC., Fall River, Mass.
Filed October 22, 1935. Serial No. 370,663. PUBLISHED APRIL 21, 1936. Class 38.

336,332. ADVERTISING PAGES SOLD TO NEWSPAPERS. PIERRE LA BONTE JR. CO., INC., Fall River, Mass.
Filed October 22, 1935. Serial No. 370,662. PUBLISHED APRIL 21, 1936. Class 38.

336,333. LETTER HEADS, ENVELOPES, WRITING AND PRINTING PAPER SOLD AS SUCH. OLD AGE REVOLVING PENSIONS, LTD., Washington, D. C.
Filed October 14, 1935. Serial No. 370,355. PUBLISHED APRIL 21, 1936. Class 37.

336,334. PHOTO-ENGRAVING PLATES. STAR ENGRAVING COMPANY, LTD., Los Angeles, Calif.
Filed October 7, 1935. Serial No. 370,166. PUBLISHED APRIL 21, 1936. Class 50.

336,335. CHALK CRAYONS. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio.
Filed October 2, 1935. Serial No. 369,905. PUBLISHED APRIL 21, 1936. Class 37.

336,336. MEN'S AND BOYS' SHIRTS—NAMELY, DRESS, NEGLIGEE, AND WORK SHIRTS, AND COLLARS. HEATH-SWEETSER, INC., New York, N. Y.
Filed September 12, 1935. Serial No. 369,227. PUBLISHED APRIL 21, 1936. Class 39.

336,337. MEN'S AND BOYS' NECKTIES. EMIL GLICK, Cleveland, Ohio.
Filed August 30, 1935. Serial No. 368,847. PUBLISHED APRIL 21, 1936. Class 39.

336,338. ALCOHOLIC LIQUOR KNOWN AS AKVAVIT. AKTIESELSKABET DE DANSKE SPRITFABRIKKER, Copenhagen, Denmark.
Filed August 30, 1935. Serial No. 368,833. PUBLISHED APRIL 21, 1936. Class 49.

336,339. ACCUMULATORS, DEHYDRATORS, EVAPOHATORS AND PARTS THEREOF; WELDING TORCHES, SOLDERING TORCHES, CUTTING TORCHES, LEAD BURNING TORCHES, BRAZING TORCHES, ETC. THE IMPERIAL BRASS MANUFACTURING COMPANY, Chicago, Ill.
Filed December 24, 1935. Serial No. 373,042. PUBLISHED APRIL 21, 1936. Class 34.

336,340. COMPOSITIONS IN LIQUID, SOLID, PLASTIC, OR MOULDABLE POWDER FORM, PREPARED FROM CONDENSATION PRODUCTS OF PHENOL AND FORMALDEHYDE. PERMASTIC LIMITED, New Haw, England.
Filed December 24, 1935. Serial No. 373,051. PUBLISHED MARCH 31, 1936. Class 1.

336,341. ACCUMULATORS, DEHYDRATORS, EVAPORATORS, AND PARTS THEREOF; WELDING TORCHES, SOLDERING TORCHES, CUTTING TORCHES, LEAD BURNING TORCHES, ETC. THE IMPERIAL BRASS MANUFACTURING COMPANY, Chicago, Ill.
Filed December 24, 1935. Serial No. 373,043. PUBLISHED APRIL 21, 1936. Class 34.

336,342. CHILDREN'S OUTERWEAR AND CLOTHING CONSISTING OF BOYS' SUITS, SAILOR SUITS, TROUSER AND WAIST COMBINATIONS, ETC. JEROME A. BERNSTEIN, New York, N. Y.
Filed December 12, 1935. Serial No. 372,541. PUBLISHED APRIL 14, 1936. Class 39.

336,343. IMPORTED CHINESE RUGS. D. N. & E. WALTER & CO., San Francisco, Calif.
Filed December 7, 1935. Serial No. 372,451. PUBLISHED APRIL 21, 1936. Class 42.

336,344. CLOTHING FOR WOMEN, SUCH AS COATS, SUITS, AND DRESSES, THE SAME BEING MADE OF WOOLEN FABRIC, COTTON FABRIC, COMBINATION OF COTTON AND WOOLEN FABRICS, FABRICS COMMONLY KNOWN AS WORSTEDS, SILKS, SATIN, RAYON, AND SIMILAR FABRICS. HENRY FRIEDRICKS & Co., New York, N. Y.
Filed December 4, 1935. Serial No. 372,223. PUBLISHED APRIL 14, 1936. Class 39.

336,345. LIQUEURS. SOCIETE A RESPONSABILITE LIMITEE COINTREAU, Angers, France.
Filed December 5, 1935. Serial No. 372,291. PUBLISHED APRIL 21, 1936. Class 49.

336,346. ELECTRIC WASHERS, ELECTRIC IRONERS, AND ELECTRIC CLOTHES DRIERS. WESTINGHOUSE ELECTRIC & MANUFACTURING COMPANY, East Pittsburgh, Pa.
Filed November 29, 1935. Serial No. 372,121. PUBLISHED APRIL 21, 1936. Class 24.

336,347. BUST PERFECTORS—NAMELY BUST FORMS OR BUST EXTENDERS. KABO CORSET COMPANY, Chicago, Ill.
Filed November 26, 1935. Serial No. 372,016. PUBLISHED APRIL 14, 1936. Class 40.

336,348. PISTON RINGS. SIMPLEX PRODUCTS SALES CORPORATION, Cleveland, Ohio, assignor to Simplex Products Corporation, Cleveland, Ohio, a corporation of Ohio.
Filed November 22, 1935. Serial No. 371,892. PUBLISHED APRIL 21, 1936. Class 35.

336,349. INCANDESCENT LAMPS. JEWEL INCANDESCENT LAMP Co., East Newark, N. J.
Filed November 18, 1935. Serial No. 371,693. PUBLISHED APRIL 21, 1936. Class 21.

336,350. CUTTING TORCHES, WELDING-TORCHES, HANDLES FOR CUTTING AND WELDING APPARATUS, TIPS FOR WELDING AND CUTTING TORCHES, AND EXPANSION-TANKS. K-G WELDING AND CUTTING COMPANY, INC., New York, N. Y.
Filed November 16, 1935. Serial No. 371,641. PUBLISHED APRIL 21, 1936. Class 34.

336,351. NUMBER GAME PLAYED AFTER THE MANNER OF BINGO OR TIT-TAT-TO. MARY A. PARKER, doing business as Dennis Games Company, Philadelphia, Pa.
Filed November 13, 1935. Serial No. 371,499. PUBLISHED DECEMBER 24, 1935. Class 22.

336,352. WAX POLISH FOR THE WOODEN SURFACE OF SKIS, WHICH IS ALSO A PROTECTION FOR THE SURFACE OF THE SKIS. OTTO EUGEN SCHNIEBS, doing business as Otto Eugen Schniebs Co., Hanover, N. H.
Filed November 11, 1935. Serial No. 371,446. PUBLISHED APRIL 21, 1936. Class 16.

336,353. PREPARATION USED AS A CEMENT AND TERRAZZO FINISH FOR WOODEN FLOORS, INTERIOR WOODWORK, DESKS, FURNITURE, AND LIKE SURFACES. FLOOR MAINTENANCE BUREAU, INC., Newark, N. J.
Filed November 4, 1935. Serial No. 371,148. PUBLISHED APRIL 21, 1936. Class 12.

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION
[ACT OF MARCH 19, 1920, SEC. 1 (b)]

336,354. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) AGFA ANSCO CORPORATION, Binghamton, N. Y. Filed Mar. 13, 1936. Serial No. 375,922.

SUPERPAN

For Sensitized Photographic Film, Sensitized Photographic Plates, and Cinematographic Films.
Claims use since Mar. 16, 1932.

336,355. (CLASS 39. CLOTHING.) COHAN, ROTH & STIFFSON, New York, N. Y. Filed Mar. 27, 1934. Serial No. 349,174.

FLEETWOOD

For Neckties, Cravats, and Scarfs.
Claims use since January, 1934.

336,356. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES). HOME RUBBER Co., Trenton, N. J. Filed June 12, 1935. Serial No. 366,100.

NOT-A-SPLICE

For Rubber and Cotton Duck Belting.
Claims use since Feb. 1, 1935.

336,357. (CLASS 39. CLOTHING.) THE JULIAN AND KOKENGE Co., Columbus, Ohio. Filed May 23, 1935. Serial No. 365,297.

SHORTBACK

For Women's Shoes of Leather and Fabric, and a Combination of These Materials.
Claims use since Apr. 9, 1931.

336,358. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HENRY KAYSER & SONS, INC., New York, N. Y. Filed Apr. 9, 1936. Serial No. 377,000.

Kayser

For Scissors, Shears, Razors, and Knives of Base Metal.
Claims use since 1926.

336,359. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) S. H. KRESS AND COMPANY, New York, N. Y. Filed Feb. 20, 1936. Serial No. 375,055.

GRIP-TITE

For Clothes Pins, Ironing Board Covers, and Ironing Board Pads.
Claims use since January, 1934.

336,360. (CLASS 39. CLOTHING.) THE MABLEY AND CAREW COMPANY, Cincinnati, Ohio. Filed Apr. 3, 1936. Serial No. 376,767.

Darvel

For Women's Kid Gloves.
Claims use since Mar. 1, 1935.

336,361. (CLASS 15. OILS AND GREASES.) THE PETROL CORPORATION, Los Angeles, Calif. Filed Apr. 4, 1936. Serial No. 376,814.

THE PETROL CORPORATION
PETROL

For Gasoline and Kerosene.
Claims use since January, 1929.

336,362. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROMAN MACARONI CO., INC., Long Island City, N. Y. Filed Apr. 29, 1936. Serial No. 377,806.

FIVE MINUTE

For Spaghetti and Macaroni.
Claims use since January, 1931.

336,363. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY OF PENNSYLVANIA, Wilmington, Del. Filed Feb. 18, 1936. Serial No. 374,987.

STANDARD OIL COMPANY OF PENNSYLVANIA

For Refined, Semirefined, and Unrefined Oils Made from Petroleum, Both With and Without Admixture of Animal, Vegetable, or Mineral Substances, for Illuminating, Burning, Power, Fuel, and Lubricating Purposes and Lubricating Greases.
Claims use since Nov. 18, 1931, on lubricating grease, and since June 14, 1932, on the other goods.

336,364. (CLASS 39. CLOTHING.) STEINBERGER BROS. GLOVE CORP., New York, N. Y. Filed June 12, 1935. Serial No. 366,122.

DU-WASH

For Doeskin Gloves.
Claims use since May 11, 1935.

336,365. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) C. A. WILLEY COMPANY, Long Island City, N. Y. Filed June 24, 1935. Serial No. 366,591.

SPEEDSPRAY

For Paint Enamels, Dry, Paste, and/or Ready Mixed Paints, Paint Colors, Varnishes, and Paint Undercoatings.
Claims use since May, 1934.

336,366. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WORCESTER KNITTING COMPANY, Worcester, Mass., and New York, N. Y. Filed Apr. 1, 1936. Serial No. 376,702.

"Wavenit"

For Woolen, Cotton, Knitted and Woven Fabrics, Silk, Rayon, Linen, and for Fabrics Made of a Combination of Such Materials.
Claims use since March, 1935.

TRADE-MARK REGISTRATIONS RENEWED

108,345. RUBBER HEELS FOR BOOTS AND SHOES. Registered February 1, 1916. O'SULLIVAN RUBBER CO., Portland, Maine, and New York, N. Y. Renewed February 1, 1936, to The O'Sullivan Rubber Co., Inc., New York, N. Y., a corporation of Delaware, assignee by mesne assignments.

108,388. OLIVE-OIL. Registered February 8, 1916. LOUIS CARAVETTA. Renewed February 8, 1936, to Ehrat Cheese Company, Inc., Chicago, Ill., a corporation of Illinois, assignee by mesne assignments.

109,669. RUBBER TIRES. Registered April 11, 1916. THE INTERNATIONAL RUBBER CO. Renewed April 11, 1936, to The Gates Rubber Company, Denver, Colo., a corporation of Colorado, assignee by mesne assignments.

110,465. WHEAT, RYE, AND OTHER KINDS OF BREAD. Registered May 23, 1916. KATIE KERNER. Renewed May 23, 1936, to Shub Bros., Baltimore, Md., a firm, successor.

110,484. OLEOMARGARIN. Registered May 30, 1916. CAPITAL CITY DAIRY CO. Renewed May 30, 1936, to The Capital City Products Company, Columbus, Ohio, a corporation of Delaware, by change of name.

113,521. SUGAR OF MILK. Registered October 17, 1916. THE E. L. PATCH CO., Boston, Mass. Renewed October 17, 1936, to The E. L. Patch Company, Stoneham, Mass., a corporation of Massachusetts, successor.

LABELS

REGISTERED JUNE 30, 1936

47,671.—*Title:* BILT-RITE. For Toilet Seats. BILT-RITE MFG. CO., Grand Rapids, Mich. Published February 15, 1936.

47,672.—*Title:* BURRY'S VB'S THE MODERN CRACKER. For Crackers. BURRY BISCUIT CORPORATION, Chicago, Ill., and Linden, N. J. Published March 26, 1936.

47,673.—*Title:* COO-LUB. For Lubricants. FRANK J. CONRAD, Toledo, Ohio. Published April 3, 1936.

47,674.—*Title:* HAIR-RX. For Hair Beautifier and Hair Grower. HARRY G. DOUGLAS, doing business as Belva Manufacturing Company, St. Louis, Mo. Published June 15, 1931.

47,675.—*Title:* HANDY TONGS. For Tongs. JAMES METAL PRODUCTS CO., Chicago, Ill. Published February 15, 1936.

47,676.—*Title:* ICE CREAM NO. 439 A-P-D-F. For Ice Cream. SUTHERLAND PAPER COMPANY, Kalamazoo, Mich. Published April 14, 1936.

PRINTS

REGISTERED JUNE 30, 1936

15,762.—*Title:* CHILTON LATIN CROSS ENSEMBLE. For Fountain Pens. THE CHILTON PEN COMPANY, INC., New York, N. Y. Published March 30, 1936.

15,763.—*Title:* "TO SETTLE A BET". For Pens, Pencils, and Ink. THE PARKER PEN COMPANY, Janesville, Wis. Published February 15, 1936.

REISSUES

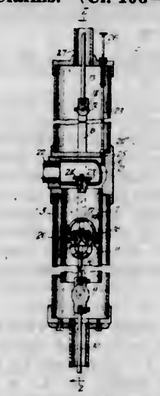
JUNE 30, 1936

20,019
PUMP CONSTRUCTION

Arnold Bohnenblust, Riley, Kans.

Original No. 1,887,180, dated November 8, 1932, Serial No. 458,958, June 2, 1930. Application for reissue August 29, 1933, Serial No. 687,370

4 Claims. (Cl. 103—184)



1. In a pump a housing having a conduit leading into the housing at the bottom and having another conduit leading from the housing at the top, means for closing off the housing between its upper and lower walls, a cylinder depending from the closing means the cylinder being open at the bottom, the closing means having a conduit communicating with the interior of the cylinder and leading through the wall of the housing for the discharge of fluid from the cylinder, a valve in the last named conduit, a valved piston in the cylinder, means for reciprocating the piston, the closing means having a channel leading therethrough into the upper portion of the housing and also communicating with the interior of the cylinder, and valve means for selectively opening and closing the last named channel to selectively admit fluid into the upper portion of the housing.

20,020
CUTTING TOOL

Francis E. Blanc, New Westminster, British Columbia, Canada

Original No. 1,892,863, dated January 3, 1933, Serial No. 496,462, November 18, 1930. Application for reissue August 21, 1933, Serial No. 686,073

3 Claims. (Cl. 255—73)



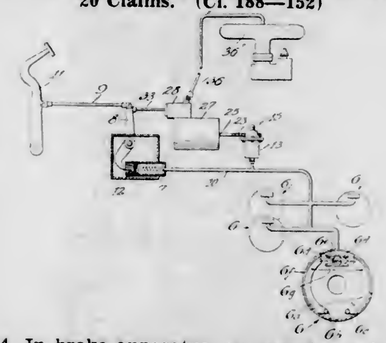
1. In a cutting tool of the class described the combination of a cylindrical body having the top end of smaller diameter and externally threaded and with a transverse slot across said body at the lower end thereof with the lower end extended into a guide core; longitudinal slots in the core of said body; a cutting blade carried in diametrically opposite slots through said body, said blade having the opposed lower edges sharpened; a tapered pin driven through a hole in said body under said blade and at right angles thereto to hold the blade fixed in relation to said body; ports through said body above said blade to direct water currents therethrough; and means to allow water to be pumped through the ports and the longitudinal slots to carry the cuttings of the blade.

20,021
FLUID PRESSURE OPERATED BRAKE MECHANISM

Herbert C. Bowen, Detroit, Mich., assignor to Hydraulic Brake Company, Detroit, Mich., a corporation of California

Original No. 1,886,936, dated November 8, 1932, Serial No. 300,407, August 18, 1928. Application for reissue May 11, 1933, Serial No. 670,596

20 Claims. (Cl. 188—152)



14. In brake apparatus, an operator, a brake, a connection between said operator and said brake, means responsive to the initial movement of said operator for varying the effective length of the connection between said operator and said brake to take up the slack in said connection and in said brake without corresponding movement of said operator.

20,022
DUAL PNEUMATIC WHEEL

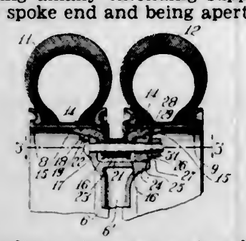
Frederick W. Burger, Niles, Mich., assignor to Clark Equipment Company, Buchanan, Mich., a corporation of Michigan

Original No. 1,971,327, dated August 28, 1934, Serial No. 137,846, September 27, 1926. Application for reissue June 28, 1935, Serial No. 28,883

29 Claims. (Cl. 301—13)

28. In combination, a wheel spider having radially extending hollow spokes, a tapered rim-receiving seat at the inboard side of the end of each spoke, a clamping bolt projecting laterally outwardly of each spoke end, a wedge lug at each spoke end having a radially and outwardly directed rim-receiving seat, said lug having an

axially extending seating surface engaging a corresponding axially extending supporting surface at the spoke end and being apertured to re-



ceive said bolt, spacing means at each spoke end engaging said bolt, and a pair of tire rims engaging the rim-receiving seats and spaced apart by said spacing means.

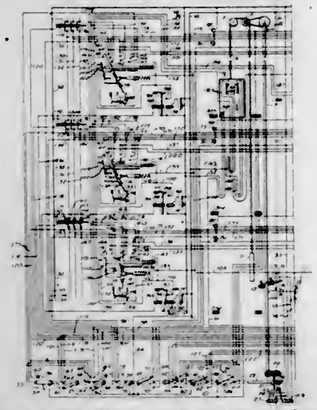
20,023

ELEVATOR CONTROL SYSTEM

Emil P. Butusov, deceased, late of Hollywood, Ill., by Fred C. Eckmann, administrator, Riverside, Ill., assignor, by direct and mesne assignments, to Westinghouse Electric & Manufacturing Company, a corporation of Pennsylvania

Original No. 1,946,777, dated February 13, 1934, Serial No. 503,936, December 22, 1930. Application for reissue July 9, 1935, Serial No. 30,558

32 Claims. (Cl. 177—336)



12. In a signalling system for a plurality of cars operating in a hatchway past a plurality of floors, a signal device at each of said floors for each of said cars, a control device at each of said floors common to all the cars, means responsive to the position and direction of operation of the cars for dividing the hatchway into as many signal zones as there are cars operating in normal spaced apart relation, each of said zones extending from the position of the car with which it is associated to the position of the next car ahead, the position of each of said cars being defined as the next floor at which it can stop, means individual to each car for controlling its associated zone for signal purposes to the exclusion of the cars associated with the other zones, and means responsive to operation of a control device at a floor, the signal zone associated with that floor and the zone controlling means of the nearest approaching car for energizing only the signal device of said nearest approaching car at the floor of the operated control device.

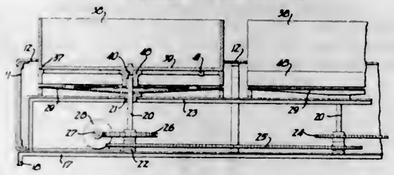
20,024

APPARATUS FOR TREATING NUTS

Michael J. Kohler, New York, N. Y., assignor to National Nut Company of California, a corporation of California

Original No. 1,958,409, dated May 15, 1934, Serial No. 645,492, December 2, 1932. Application for reissue January 15, 1936, Serial No. 59,319

17 Claims. (Cl. 53—4)



1. A nut buttering machine, comprising a housing having a circular opening in its top wall, a frame in said housing, a heating element mounted upon said frame below said opening, a power-driven shaft vertically mounted centrally of said opening in bearings provided in said housing and frame, a rotatable spider concentric with and below said opening rotatable through said shaft, and a container set within said opening and supported by said spider to be rotated therewith.

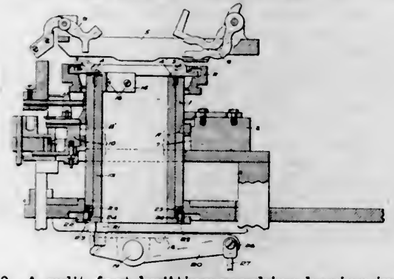
20,025

MACHINE FOR KNITTING FABRIC

John Lawson, Bristol, and Robert H. Lawson, Pawtucket, R. I., assignors to Hemphill Company, Central Falls, R. I., a corporation of Massachusetts

Original No. 1,862,021, dated June 7, 1932, Serial No. 330,996, January 8, 1929. Application for reissue June 1, 1934, Serial No. 728,628

12 Claims. (Cl. 66—43)



10. A split-foot knitting machine having independent needles and cams for imparting stitch drawing movements thereto, one said cam being positioned to draw longer stitches than the other cam, and means acting in cooperation with the needles to cause the needles to knit stitches of substantially the same length when acted upon by one cam as when acted upon by the other.

20,026

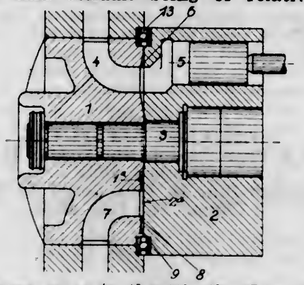
HYDRAULIC PUMP AND MOTOR

Hans Thoma, Karlsruhe, Germany

Original No. 1,924,629, dated August 29, 1933, Serial No. 573,231, November 5, 1931. Application for reissue January 15, 1935, Serial No. 1,954. In Germany November 13, 1929

16 Claims. (Cl. 103—162)

10. In a device of the character described, a stator, a rotating member bearing against said stator, said stator being formed with a depression therein facing toward said rotating member, a source of fluid under pressure and a conduit leading from said fluid source to said depression, said conduit being of relatively re-



stricted area so as to throttle the flow of liquid therethrough.

20,027

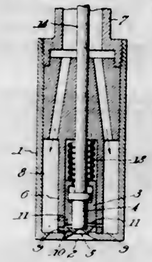
FUEL NOZZLE FOR OIL FURNACES

August Wettstein, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland, a joint-stock company

Original No. 2,015,611, dated September 24, 1935, Serial No. 749,595, October 23, 1934. Application for reissue March 27, 1936, Serial No. 71,343. In Germany November 4, 1933

8 Claims. (Cl. 299—150)

1. A burner comprising a plurality of telescoped nozzles, each nozzle including an apertured sleeve terminating in an atomized head and a valve plunger adjustable within the sleeve to control the delivery of fuel through the apertures thereof, the sleever and atomizer head of an inner nozzle constituting the valve plunger of an adjacent



outer nozzle, the apertures in said sleeves comprising a plurality of tangential fuel passages axially spaced apart along said sleeves whereby said fuel passages may be progressively opened by axial displacement of said valve plungers.

PATENTS

GRANTED JUNE 30, 1936

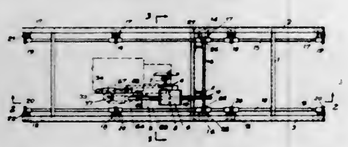
2,045,562

BANKING DEVICE FOR VEHICLES

John Adaskin, Toronto, Ontario, Canada

Application June 15, 1934, Serial No. 730,823

14 Claims. (Cl. 280—87)



1. A device for raising one side and lowering the other side of the chassis of a vehicle with relation to its springs to overcome the effect of centrifugal force on the occupants of said vehicle when travelling around a curve in the roadway, comprising a vehicle having a drive shaft and a frame, a mechanism for raising the vehicle frame on the outer side of the curve, and lowering said frame on the inner side of the curve, means for actuating said mechanism, a hydraulic jack having a piston stem in operating engagement with said mechanism, an oil pump connected with the jack, means for operating the pump from the drive shaft of the vehicle, a steering wheel stem having a worm thereon, an oil control valve in operative engagement with said worm, an intermediate oil valve operated by the hydraulic jack piston stem, and a system of oil pump lines, connecting both the said valves with the oil pump, and oil conveying means connecting the oil control valve with the jack for actuating the latter, and operating the raising and lowering mechanism, when the stem of the steering wheel is turned on its axis.

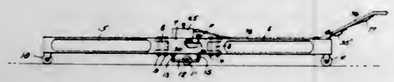
2,045,563

SURFACE GAUGE AND MARKER

Jewell Robert Benson, Troy, Kans.

Application March 26, 1935, Serial No. 13,157

1 Claim. (Cl. 33—174)



A machine of the class described comprises a body portion, a tank on the body portion, a valve housing mounted on the body portion, a pipe extending from the valve housing, a nozzle at the lower end of the pipe, a pipe establishing communication between the tank and valve housing and adapted to direct marking material to the valve housing, a bar pivotally mounted under the body portion, a roller mounted on the bar and adapted to contact with the road surface over which the body portion moves, a vertically movable rod, pivotally connected to one end of the bar and adapted to move vertically with said bar, yieldable means for normally urging the rod to its inactive position, a plate mounted on the upper end of the rod, a valve stem, adjustable means connecting the valve stem to the plate whereby movement of the rod and plate produces a relative movement of the valve stem releasing a quantity of marking material.

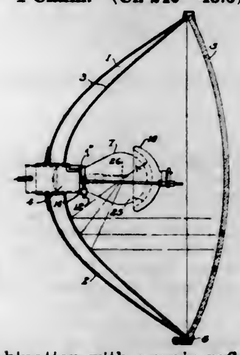
2,045,564

NONGLARE REFLECTOR

William L. Bear, Dayton, and George R. Walker, Oakwood, Ohio

Application June 24, 1933, Serial No. 677,442

1 Claim. (Cl. 240—48.6)



The combination with a main reflector, a lamp socket and an electric lamp bulb in said socket in front of the main reflector, of a U-shaped member secured to the lamp base, the arms of said member projecting forwardly, one on each side of said lamp bulb, an auxiliary reflector comprising a semi-spherical shell having at its rear portion an axial boss containing a ventilating opening, a cross piece longitudinally adjustable along the outer ends of said arms, and a loop at the middle portion of said cross piece fitted to the axial boss on the auxiliary reflector to support the latter a desired distance in front of said bulb.

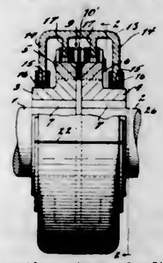
2,045,565

ENCLOSURE FOR FLEXIBLE CONNECTIONS

Warren J. Belcher, West Hartford, Conn., assignor to The Whitney Chain & Mfg. Company, Hartford, Conn., a corporation of Connecticut

Application September 21, 1933, Serial No. 690,337

2 Claims. (Cl. 64—19)



1. In combination, two shafts in approximate alinement with each other and having ends adjacent each other, a flexible driving connection between said shafts permitting a limited misalinement therebetween, said connection comprising outwardly extending teeth on each of said ends and a continuous chain having spaced members extending lengthwise of the shafts and engaging said teeth and having limited movement with respect thereto lengthwise of said shafts, a

lubricant-receiving casing surrounding said connection and having walls extending inwardly towards said shafts on opposite sides of said connection, a lubricant retainer of flexible material disposed between the inner edge of each of said walls and the adjacent shaft and preventing the escape of lubricant from the casing, said casing being supported on said shafts entirely by said retainers, and an element on said casing and extending inwardly from the casing between said chain members and into engagement with one or more of them and slidable with respect thereto lengthwise and transversely of the shafts as the shafts vary their relation to each other, but positively rotating said casing with the shafts.

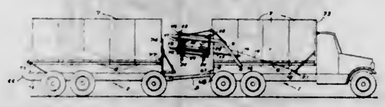
2,045,566

TRUCK AND TRAILER LOADING AND UNLOADING DEVICE

Robert H. Berg, San Francisco, Calif.

Application June 7, 1935, Serial No. 25,504

13 Claims. (Cl. 214—65)



1. The combination with a vehicle having a load supporting portion consisting of only guide and supporting rails horizontally positioned, of a plurality of flat body sections designed to support load units, and means for individually raising each body section with its load always in a substantially horizontal position and for depositing it on the rails, the sections and load units abutting one another and forming a continuous body and a single load when placed on the vehicle rails.

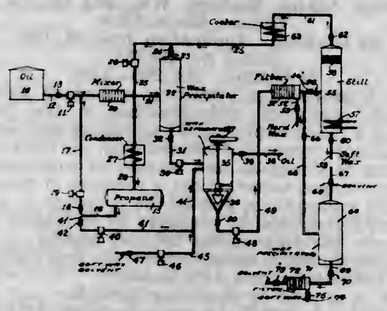
2,045,567

PROCESS FOR SEPARATION OF HARD WAX FROM SOFT WAX ASSOCIATED THEREWITH

Le Guay Beynon, Glendale, Calif., assignor to Union Oil Company of California, Los Angeles, Calif., a corporation of California

Application February 27, 1934, Serial No. 713,159

18 Claims. (Cl. 196—20)



1. A process for separating hard wax and soft wax from a mixture containing the same which comprises commingling said mixture with a liquefied normally gaseous solvent under such conditions of temperature and pressure that the hard wax is insoluble in the solvent and the soft wax is soluble in the solvent and separating the undissolved hard wax from the solution of soft wax.

2,045,568

TUBULAR STRANDED WIRE STRUCTURE

German C. Burd, Adrian, Mich., assignor to American Cable Company, Inc., New York, N. Y., a corporation of Delaware

Application December 2, 1933, Serial No. 700,663

6 Claims. (Cl. 64—3)



1. A tubular wire casing comprising a plurality of layers of helically coiled spring wire, the outer layer of which grips the next adjacent layer and consists of contiguous convolutions free from internal stresses urging said convolutions to spring outwardly.

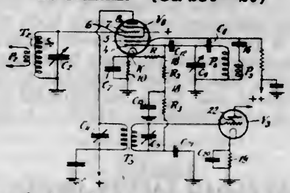
2,045,569

HIGH FREQUENCY SYSTEM

Nelson P. Case, Bayside, N. Y., assignor to Hazeltine Corporation, Jersey City, N. J., a corporation of Delaware

Application April 25, 1934, Serial No. 722,313

12 Claims. (Cl. 250—20)



1. In a heterodyne signaling system, a vacuum tube modulator, a source of heterodyne oscillations for modulating signals, said oscillations being subject to undesired changes in amplitude, and means reducing the effects of said changes on intensity of the modulated signals comprising, means rendering said modulator regenerative to modulated signals, and means responsive to said source for varying the regeneration of said modulator inversely to said changes in oscillation amplitude.
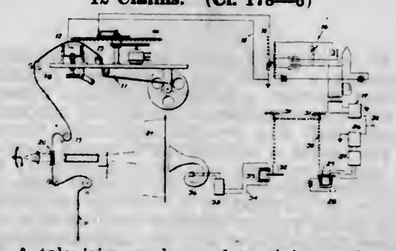
2,045,570

APPARATUS FOR RECEIVING AND PROJECTING TELEVISED IMAGES IN SYNCHRONISM WITH SOUND

Lee de Forest, Los Angeles, Calif., assignor to American Television Laboratories, Inc., a corporation of Delaware

Original application April 24, 1931, Serial No. 532,454. Divided and this application April 19, 1932, Serial No. 606,155

12 Claims. (Cl. 178—6)



1. A television and sound receiving and reproducing system embodying: means for receiving and amplifying impulses coming from a televi-

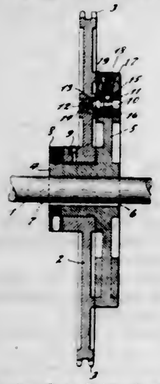
sion transmitter; means controlled by said television impulses for recording upon a moving film, pictures corresponding with the transmitted images; means for projecting said pictures upon a screen; means for independently receiving and amplifying impulses coming from a sound transmitter; and means for reproducing the sound in synchronism with the projected pictures, the last mentioned means including a sound-delaying sound-conducting member.

2,045,571
PICK FOR STRINGED MUSICAL INSTRUMENTS
Rudolph Dopyera, Los Angeles, Calif.
Application May 15, 1934, Serial No. 725,695
10 Claims. (Cl. 84—422)



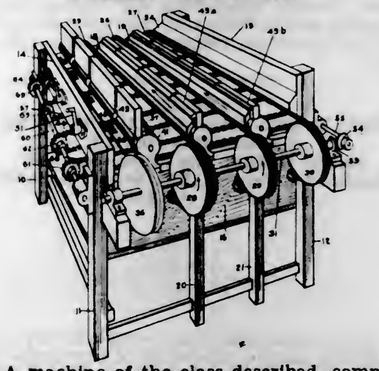
1. In a pick for a stringed musical instrument, a body portion adapted to encompass a person's finger, a pick portion extending from said body portion, said body portion terminating in end portions, there being a recess in the inner face of said body adjacent one of said body end portions and a portion of said body adjacent the other of said body end portions being positioned in said recess, and means to enlarge or decrease the diameter of said body portion and to retain said body in the position to which it is adjusted.

2,045,572
OVERLOAD SAFETY DEVICE
Richard F. Dow, Hartford, Conn., assignor to The Whitney Chain & Mfg. Company, Hartford, Conn., a corporation of Connecticut
Application May 10, 1932, Serial No. 610,490
6 Claims. (Cl. 192—56)



1. In an overload safety device, two elements comprising a shaft and a sprocket rotatably mounted thereon, a driving connection between said elements comprising a pin slidably supported on said shaft and movable lengthwise thereof, said pin having a tapered end normally received in a tapered recess in said sprocket, whereby the pin will be cammed out of the sprocket upon exertion of an overload on the driving connection, and a spring pressed member received in a circumferential groove in said pin, said member and a wall of said groove having cam surfaces adapted to contact with each other when said member is in said groove, and said contact acting to maintain the tapered end of the pin in said recess, whereby upon such breaking of the driving connection by exertion of an overload, said member must be cammed out of the groove against the action of its spring.

2,045,573
SIZING AND GRADING MACHINE
Fred A. Durand, Woodbury, Ga.
Application August 16, 1934, Serial No. 740,137
9 Claims. (Cl. 209—103)



2. A machine of the class described, comprising a frame having a series of fixed guides longitudinally-disposed thereon, a plurality of impeller belts, a plurality of sizing rolls disposed in end-to-end relation longitudinally of said belts in transverse series, and spaced from said belts to provide a series of graduated sizing outlets, all of said rolls being disposed at the same side of said belts, a supporting carriage for each transverse series of said rolls, means whereby each of said carriages is independently transversely adjustable upon said frame, thereby moving said rolls as a unit in the same direction, and means for driving said rolls and said belts.

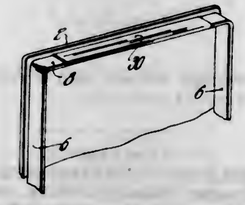
2,045,574
PROCESS FOR THE CATALYTIC SYNTHESIS OF AMINES
Homer Adkins, Madison, Wis., and Charles F. Winans, Akron, Ohio
No Drawing. Application June 28, 1932, Serial No. 619,732
24 Claims. (Cl. 260—128)

1. A process for preparing secondary amines which comprises hydrogenating in the liquid phase a reaction product of a primary amine and a carbonyl compound selected from the class consisting of aldehydes and ketones at superatmospheric temperatures, under a pressure of from 50 to 150 atmospheres and in the presence of a reduced nickel catalyst prepared by levigating kieselguhr carrying nickel nitrate, adding to the levigate an alkali metal bicarbonate and reducing the precipitated nickel carbonate.

16. A process of preparing secondary and tertiary amines which comprises hydrogenating under superatmospheric conditions of temperature and pressure, in the liquid phase and in the presence of a metal hydrogenation catalyst having an atomic weight between 57 and 64, a reaction product of a saturated aldehyde and an amine containing at least one hydrogen atom attached to the amino nitrogen atom.

23. A process for preparing secondary amines which comprises hydrogenating under superatmospheric conditions of temperature and pressure, in the liquid phase and in the presence of a metallic nickel catalyst, a mixture or preformed reaction product of a primary amine and a carbonyl compound selected from the group consisting of aldehydes and ketones.

2,045,575
FOLDING RECEPTACLE
Hamilton C. Bates, Chester, Conn.
Application March 13, 1935, Serial No. 10,817
Renewed November 26, 1935
7 Claims. (Cl. 150—29)

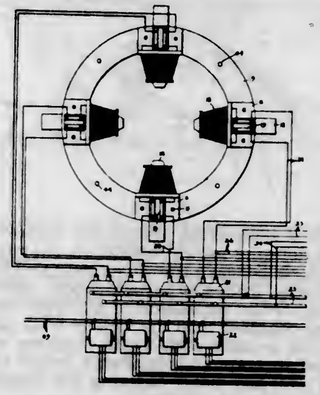


1. A receptacle of the class described comprising in combination, a pair of similar U shaped frame members having front portions and side arms extending therefrom, the said frame members being formed from strips of relatively thin material arranged to have relatively narrow inner edges disposed for abutment when the frames are in closed relation, and the faces of the strips being substantially in the same plane, relatively flat side walls disposed over outer sides of said frame members having marginal edges extending beyond the front portions and side arms thereof and a hinge portion extending from the side walls at the rear ends thereof around the rear ends of the side arms, means securing the said side walls to the frames, and hinge means associated with the rear ends of the arms of the frame to facilitate swinging of the frames between open and closed positions, the said frame members having recesses in their front portions below the plane of the inner edges thereof and the said means for securing the side walls to the frames including flexible loops secured to said walls enclosing said front portions of the frame members and lying in said recesses so that the inner edges of the frame members may abut when in closed relation, all adapted and arranged whereby the side walls are secured at their forward ends to the forward ends of the frames so that when the frames are open in a certain relative angular position the said side walls may assume another angular relation.

2,045,576
METHOD OF AND APPARATUS FOR TREATING METAL CASTINGS
Robert W. Bedilion, United States Navy
Application March 9, 1934, Serial No. 714,741
8 Claims. (Cl. 22—212)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

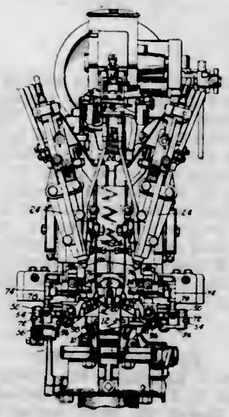
1. In combination, a laminated supporting ring of magnetic material adapted to be disposed around a mold having in it a casting cavity, said ring having openings extending from the outer periphery to the inner periphery thereof, an inductive coil mounted on the said inner periphery with a central passage in registry with each of the aforesaid openings, a laminated pole extending through each of the said openings and the adjacent coil, with the end of the pole positioned to lie adjacent a predetermined region of said cavity, said coils being connected to provide pairs of poles of opposite magnetic polarity, and means to indicate the temperature adjacent each pole.

7. The method of making large castings that require a quantity of metal greater than one pour,



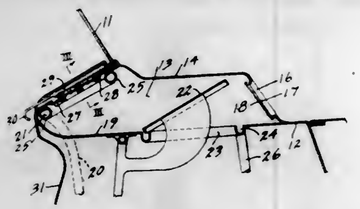
which comprises making a pour, setting up in the poured metal fluctuating magnetic fields to induce electric currents to maintain the temperature of the poured metal until a subsequent pour and so continuing until the required quantity has been poured, adjusting the heating effect to maintain the temperature of the less massive portions, and then permitting the casting to cool.

2,045,577
WELT BUTTING MACHINE
Benjamin B. Blanchard, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application May 1, 1933, Serial No. 668,829
15 Claims. (Cl. 12—67)



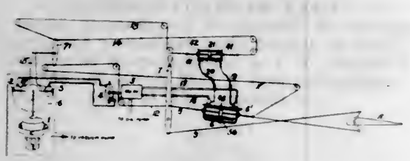
1. In a welt butting machine, means for fastening the margin of the upper to the insole in the region of the heel breast line, and co-operating welt butting cutters one of which is initially positioned in the path of movement of the fastening means and movable transversely of the shoe out of said position.

2,045,578
VENTILATING SYSTEM FOR MOTOR VEHICLES
Edwin H. Buford, Anniston, Ala.
Application July 18, 1934, Serial No. 735,845
13 Claims. (Cl. 98—2)



1. In a ventilating system for motor vehicles, means defining an air admission chamber across the vehicle beneath the windshield and extending rearwardly into the vehicle body, valve means controlling the admission of air from the air admission chamber into the vehicle body, and water collecting troughs within said chamber which are adapted to trap and discharge below the windshield level any water entering the chamber with the inflowing air current.

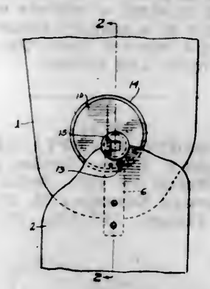
2,045,579
AUTOMATIC LEVEL CONTROL FOR AIRCRAFT
Bert G. Carlson, Bellerose, N. Y., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application April 9, 1935, Serial No. 15,436
6 Claims. (Cl. 244—29)



1. In an automatic pilot for aircraft, the combination with a gravitationally responsive means for maintaining level flight and the elevating rudder, of a servomotor controlled by said means for operating said rudder, a second servomotor slowly responsive to the average preponderance of movements of the first servomotor, and means operated by said second servomotor for changing the relation between the aircraft, said gravitational means and said rudder, whereby the movements of the first servomotor remain equalized on each side of the middle or neutral position.

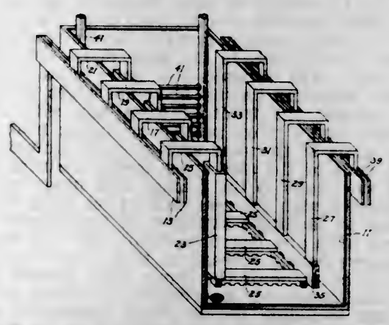
2,045,580
ARTIFICIAL LEG
Terry O. Carroll, Lakeland, Fla., assignor of one-fourth to D. E. Dunbar, Lakeland, Fla.
Application March 31, 1933, Serial No. 663,812
3 Claims. (Cl. 3—2)

1. Artificial leg comprising thigh and shin portions, a knee bolt pivotally connecting said portions, said knee bolt being provided with eccentric portions, said thigh portion being journalled upon said eccentric portions, the latter being adjustably displaceable for shifting the knee bolt laterally, a lever fixed to said knee bolt extending



radially forwardly thereof, and a shoulder strap roller at the end of said lever.

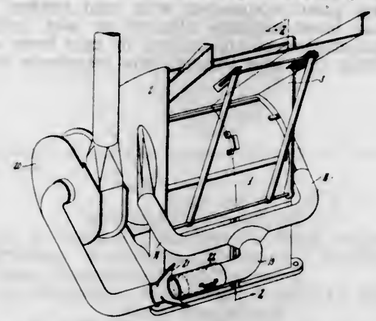
2,045,581
ELECTROLYTIC PICKLING APPARATUS
Allan E. Chester, Brooklyn, N. Y., assignor, by direct and mesne assignments, to Ferro Enamel Corporation, Cleveland, Ohio, a corporation of Ohio
Application October 18, 1933, Serial No. 694,028
2 Claims. (Cl. 204—5)



1. Electrolytic pickling apparatus comprising in combination a pickling solution tank, set of electrodes overlying the bottom of said tank and so arranged as to provide a supporting bed for a work basket, another set of electrodes extending into said tank along the wall thereof to below the normal liquid level therein, and an electrically conductive work basket adapted to rest on said first named electrodes.

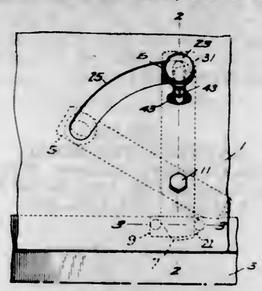
2,045,582
HAMMER MILL WITH EQUALIZED SEPARATING MEANS
Walter J. Clement, New Hartford, N. Y., assignor to Bossert Company, Inc., Utica, N. Y., a corporation of New York
Application February 11, 1930, Serial No. 427,531
3 Claims. (Cl. 83—11)

1. In a hammer mill comprising revolving hammers, a duct outside of the orbit of the hammers, one wall of which is a screen, and air exhausting means coupled to the end of said duct, a partition extending into the duct from the end thereof which is connected to the air exhausting means and located intermediate the screen and the opposite end of the duct, the length of said partition



being a fraction only of the total length of the duct.

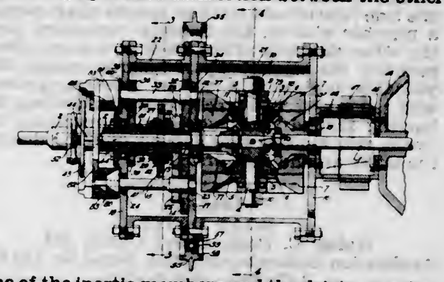
2,045,583
COWL FASTENER
La Vergne Cook, Dayton, Ohio
Application August 17, 1934, Serial No. 740,281
3 Claims. (Cl. 292—207)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



1. In a latching device for a cowl, a latch bar pivoted to the cowl to swing in an arc across a face of the cowl, said cowl having an elongated arcuate guide concentric with the pivot of the latch bar and also having a locking recess adjacent to but spaced from the said arcuate guide, and a detent element carried by said latch bar and movable longitudinally thereof for engagement selectively in either the arcuate guide or the locking recess, said detent being of a size to fit snugly in the locking recess to restrain pivotal movement of the latch bar but movable freely along the arcuate guide to permit pivotal movement of the bar within the limits of the guide.

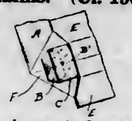
2,045,584
AUTOMATIC TRANSMISSION
Earl E. Cotanch, Los Angeles, Calif., assignor to Automatic Rotary Transmission Co., a corporation of California
Application August 26, 1931, Serial No. 559,562
42 Claims. (Cl. 74—259)

1. In an automatic transmission, a drive shaft, a driven shaft, a spindle solid on the drive shaft, a pair of adjacent inertia members positioned on one side of the drive shaft and being adapted to rotate about the axis of the spindle and relative to each other, a driving mechanism operatively connected to the driven shaft, means providing operative connection between one of the inertia members and the driving mechanism, and means providing operative connection between the other



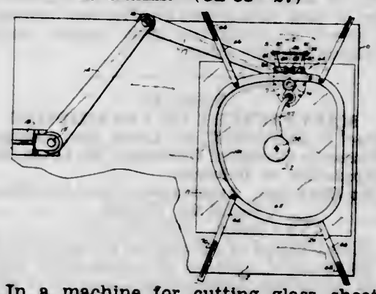
one of the inertia members and the driving mechanism.

2,045,585
VALVE BAG AND METHOD OF MAKING THE SAME
Thomas Earl Coty, Watertown, N. Y.
Application November 4, 1933, Serial No. 696,704
Renewed September 27, 1935
17 Claims. (Cl. 150—9)



6. A folded and pasted valve-bag provided with means for sealing the valve after the bag has been filled, such means comprising a flap cut in a ply of the bag, and means co-operating with the flap to effect the seal.

2,045,586
CUTTING MACHINE
Joseph P. Crowley, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application October 24, 1934, Serial No. 749,752
16 Claims. (Cl. 33—27)

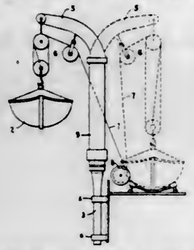


1. In a machine for cutting glass sheets or plates, a table for supporting the sheet to be cut, a track template mounted horizontally above said table, a cutting unit arranged to travel on said track and including a cutting tool for scoring the glass, power actuated means for driving said cutting unit around said track, and means for maintaining the cutting edge of the cutting tool in a line tangent to that of the cut.

9. In a machine for cutting glass sheets or plates, a table for supporting the sheet to be cut, a track template mounted horizontally above said table, a cutting unit arranged to travel on said track and including a cutting tool, a second track template mounted above the first track template, a housing arranged to travel on said

second track, means on said housing engaging one side face of said track at spaced apart points, a member also on the housing contacting with the other side face of the track at a point intermediate the spaced apart points, means for yieldably urging said means into engagement with the said second track, means for driving the housing around said track, and connections between said housing and cutting unit for driving the latter around said first track.

2,045,587
BOAT DAVIT
Walter C. Dean, Chevy Chase, Md.
Application September 20, 1934, Serial No. 744,811
3 Claims. (Cl. 9—22)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



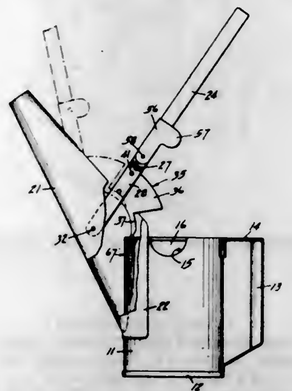
1. The combination with a davit mounted at one end with its long axis vertical to rotate for swinging an object transversely past its axis, hoisting tackle on said davit at the other end thereof, and a rotatable element fixed adjacent the said one end with a fall of said tackle passing to said element, of a collar fixed on said davit, said collar having a longitudinally extending peripheral flange and an annular groove adjacent the base of said flange that forms a race for antifriction bearing elements, a sleeve disposed around said davit over the major portion of the length of the shaft of the davit, antifriction elements in said groove disposed to support the thrust of said sleeve, and antifriction bearings in said sleeve adjacent the ends thereof between said sleeve and the davit.

2,045,588
MANUFACTURE OF PYRAMIDONE
Michael N. Dvornikoff, St. Louis, Mo., assignor to Monsanto Chemical Company, St. Louis, Mo., a corporation of Delaware
No Drawing. Application April 13, 1934, Serial No. 720,435
8 Claims. (Cl. 260—45)

1. The method of recovering pyramidone from the formic acid solution of pyramidone formate which comprises evaporating the solution of free formic acid and subjecting the residue to an elevated temperature to liberate the formic acid which is chemically combined with the pyramidone, while avoiding thermal decomposition of the residual pyramidone.

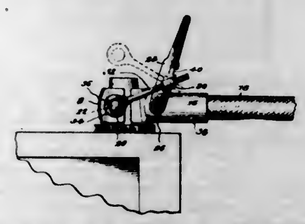
2,045,589
LIQUID DISPENSER
Harvey G. Edwards, New York, N. Y., assignor to American Can Company, New York, N. Y., a corporation of New Jersey
Application August 29, 1935, Serial No. 38,445
6 Claims. (Cl. 221—23)

1. A liquid dispensing device comprising in combination, a holder adapted to receive a sealed receptacle containing a liquid to be dispensed, a pouring spout connected with said holder, an opening lever movable relative to said holder, and puncturing means carried by said lever and insertable into and through the receptacle con-



fined in said holder for forming an opening in an end of the receptacle to permit dispensing of its liquid contents through said spout and for also cutting through a side wall of the receptacle to mutilate and prevent its re-use.

2,045,590
BATTERY TERMINAL
Olin O. Emery, Jackson, Wyo.
Application November 15, 1934, Serial No. 753,229
2 Claims. (Cl. 173—259)



1. A storage battery terminal comprising a split clamping jaw having a tapered battery post receiving bore therein, an integral conductor receiving arm on said jaw, a pivotally mounted actuating handle on said arm, a laterally extending pin on the free end of said clamping jaw provided on the outer end thereof with a shoulder, a screw threaded nut pivotally mounted on said handle, a lever, one end of said lever being apertured and removably secured on said pin, the other end having screw threads thereon for adjustable screw threaded reception in said nut.

2,045,591
METHOD FOR PREPARING GREEN COFFEE FOR ROASTING
Fernando Falla, Millburn Township, Essex County, N. J.
Application December 27, 1932, Serial No. 648,875
4 Claims. (Cl. 99—68)

1. The method of preparing raw coffee beans for roasting, which comprises disintegrating the raw beans and then separating therefrom sub-

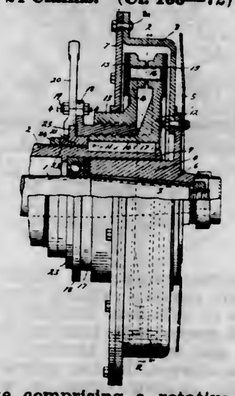


stantially all of the imprisoned raw "silver skin" set free.

2,045,592
RESINOUS PRODUCTS
Louis H. Fitch, Jr., Bartlesville, Okla., assignor to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
No Drawing. Application August 11, 1932, Serial No. 628,449
15 Claims. (Cl. 260—2)

1. The process of manufacturing resinous products from sulfur dioxide and mixtures of olefines which consists in eliminating from such mixtures most of the olefines which are disubstituted at one end of the ethylene bond, and thereafter reacting the remaining olefines with sulfur dioxide in the presence of materials which act substantially as diluents.

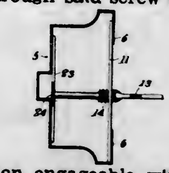
2,045,593
VEHICLE BRAKE MECHANISM
Edwin Frankland, Detroit, Mich., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application July 23, 1929, Serial No. 380,372
24 Claims. (Cl. 188—72)



1. A brake comprising a rotative member, a disk element mounted fast upon said member coaxially therewith, a second disk element coaxial with and slidable to and from said member, means restraining said sliding element from rotation, a screw-threaded member carried by and coaxial with said sliding element, a second screw-threaded member engaging the threads of the first mentioned threaded member, means comprising a groove enclosing a flange for substantially restraining the second threaded member from axial shifting, and means for rocking the second threaded member, said restraining means being threadedly adjustable.

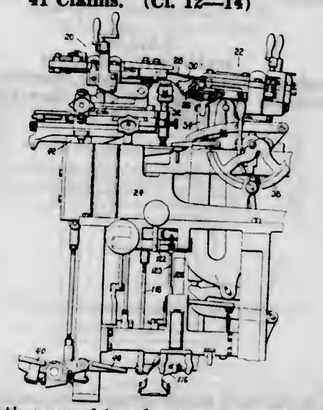
2,045,594
SWITCH OR OUTLET BOX MOUNTING
Rudolph E. Habel, Bronx, N. Y.
Application February 1, 1934, Serial No. 709,251
2 Claims. (Cl. 247—21)

1. A switch box mounting attachable to a hollow steel door buck having an open side with internal shoulders at opposite sides of said opening and comprising a bar of a length to bridge said opening and engageable with said internal shoulders of the buck, said bar having a screw-threaded passage therethrough and a box supporting member having a screw-threaded portion to turn through said screw passage, a grip-



ping end portion engageable with the internal wall of the buck to thrust the bridge bar against the internal shoulders of the buck as the box support is rotated to screw it through said bridge bar and an outer projecting portion extending outwardly away from said bar to support a switch box spaced away from the open side of the door buck.

2,045,595
METHOD OF AND MACHINE FOR USE IN MANUFACTURING BOOTS AND SHOES
Alfred E. C. Hall and Albin C. Eek, Webster Groves, and Edgar F. Huhn, Cape Girardeau, Mo., assignors to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application December 3, 1934, Serial No. 755,750
41 Claims. (Cl. 12—14)

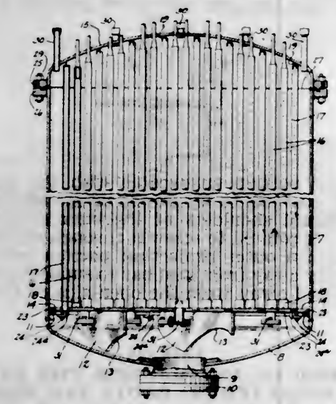


8. A lasting machine having in combination elongated heel wipers constructed and arranged to engage the heel and shank portions of a prewelted upper within the welt crease, means for shaping the forepart of the upper on its last, and means for urging the heel wipers toward each other whereby said members, bearing against the shoe bottom, oppose movement of the last heightwise thereof during the forepart lasting operation.

2,045,596
REACTION APPARATUS AND ASSEMBLY OF SAME
Reeve H. Hammell, Oaklyn Manor, N. J., assignor to Houdry Process Corporation, Dover, Del., a corporation of Delaware
Application January 14, 1933, Serial No. 651,718
17 Claims. (Cl. 23—288)

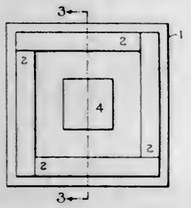
1. The method of assembling a catalytic converter having a detachable cover and false bottom

with fluid conduits embedded in the contact mass which comprises, mounting the conduits between the cover and the false bottom to form a bundle, inserting the bundle as a unit into the converter, securing the false bottom and the cover indi-



vidually to the converter in a fluid-tight manner and in a definite registering relation, and filling the spaces between said false bottom and said cover and around the conduits with the contact material.

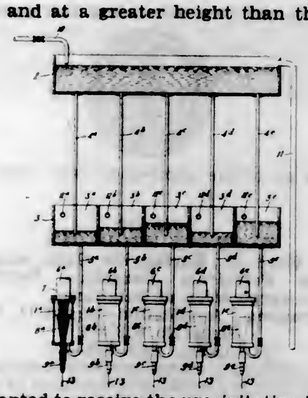
2,045,597
PAINTING SHIELD
Thaddeus Leon Euclid Haug, Berkeley, Calif.
Application September 26, 1934, Serial No. 745,547
6 Claims. (Cl. 91—65)



1. A painting shield comprising a sheet of a material relatively impervious to liquids, and mounted on said sheet a strip of a material relatively absorbent for liquids, one or more edges of said strip being slightly offset from the outer edge of said sheet of impervious material.

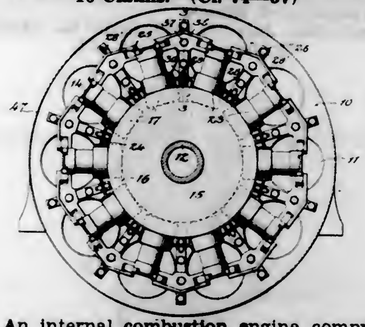
2,045,598
REGULATION OF PRECIPITANT IN PRODUCTION OF ARTIFICIAL THREAD
Hugo Hofmann, Johnson City, Tenn., assignor to American Bemberg Corporation, New York, N. Y., a corporation of Delaware
Application March 4, 1930, Serial No. 433,033
Renewed December 4, 1931
5 Claims. (Cl. 18—8)

1. An apparatus for producing artificial thread comprising a plurality of spinning funnels and a common source of supply for the precipitating liquid to be used in each, of a separate container positioned between each funnel and the common source and at a greater height than the funnel



and adapted to receive the precipitating liquid for that spinning funnel.

2,045,599
INTERNAL COMBUSTION ENGINE
Frederick J. Holmes, Detroit, Mich., assignor to Nu-Way Engineering Corporation, Detroit, Mich., a corporation of Michigan
Application December 11, 1934, Serial No. 757,033
16 Claims. (Cl. 74—57)

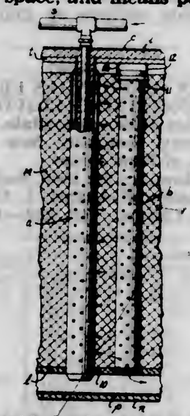


1. An internal combustion engine comprising a power shaft, opposed cylinder blocks each having a series of cylinders parallel to and spaced around said power shaft, bearings for said shaft carried by said cylinder blocks, a cam on the power shaft between the two cylinder blocks, interchangeable spacing elements separate from the shaft bearings between the inner end of each cylinder block and the adjacent end of the cam, nuts on the power shaft holding the cylinder blocks against relative outward movement, pistons within the cylinders, rods connecting alined pistons of the respective cylinder blocks, and cam followers on the connecting rods cooperating with said cam.

2,045,600
APPARATUS FOR CONTACT MASSES
Eugene J. Houdry, Paris, France, and Reeve Howard Hammell, Oaklyn Manor, N. J., assignors to Houdry Process Corporation, Dover, Del., a corporation of Delaware
Application October 29, 1932, Serial No. 640,198
4 Claims. (Cl. 23—288)

1. In apparatus for effecting endothermic and/or exothermic reactions, a casing providing a chamber containing a contact mass, an apertured conduit embedded in said mass for admitting or

removing fluid and terminating adjacent but in spaced relation to a wall of said chamber, means for positioning and guiding said conduit and for keeping said mass out of the space between the conduit end and said wall comprising an apertured member encircling said conduit end and spanning said space, and means positively fixing



the position of said member relative to said wall, a second apertured conduit having one end mounted in said wall and extending into said chamber in spaced parallel relation with said first conduit for removing or admitting fluid, and means slidably receiving and fixing the position of the other or free end of said second conduit.

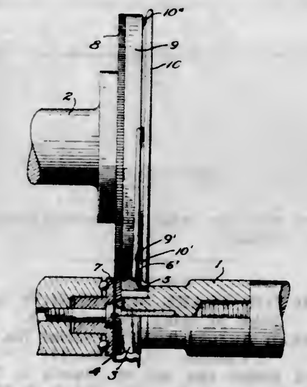
2,045,601
TIP FOR CIGARETTES
Frank A. Howarth, Laurelton, N. Y.
Application April 30, 1935, Serial No. 19,043
6 Claims. (Cl. 131—52)



2. A cigarette having a tipped end, said end having a cylindrically compressed end portion and a tip having an outer shell engaged upon said compressed end portion, said tip having an inwardly extending tapered vent portion, the tobacco of the tip end of said cigarette being compressed by and between said vent portion and said shell to lock said tip portion on said compressed end portion.

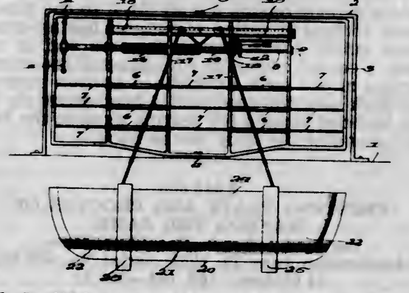
2,045,602
APPARATUS FOR MANUFACTURING METAL CLOSURES
Bert J. Huntsman, Wheeling, W. Va., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application October 24, 1934, Serial No. 749,355
9 Claims. (Cl. 153—7)

1. A machine for threading and beading metal caps, including two rotatable chucks, said chucks being relatively movable laterally into operative position, knurling, threading and curling rings provided on each of said chucks, said rings on one chuck being of greater diameter than the rings of the other chuck, a thread on the larger threading ring extending substantially halfway around its circumference, a curling groove in



the larger curling ring and extending substantially halfway around its circumference, said thread and said groove being oppositely disposed.

2,045,603
LIFEBOAT LAUNCHING APPARATUS
John L. Hyland, New York, N. Y.
Application August 28, 1930, Serial No. 478,452
Renewed November 9, 1935
18 Claims. (Cl. 9—22)

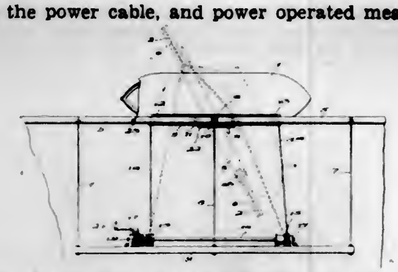


1. In lifeboat launching apparatus, the combination of a frame, a second frame bodily mounted pivotally within said first-mentioned frame for end turning movement about an axis extending upwardly at one side of the lifeboat, and means connected with said second frame for supporting a lifeboat thereon for turning movement.

2,045,604
LIFEBOAT LAUNCHING APPARATUS
John L. Hyland, New York, N. Y.
Application March 12, 1931, Serial No. 522,027
17 Claims. (Cl. 9—22)

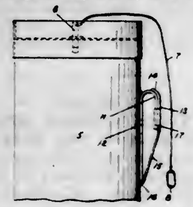
16. In lifeboat launching apparatus, the combination of a frame carried by the hull of a ship and extending horizontally in a vertical plane for supporting a lifeboat, a fixed pivotal support for said frame having a vertical turning axis and arranged to swing the lifeboat off of the deck of the ship when the frame is turned about the axis of said pivotal support to one position, a power cable connected with the frame for causing turning movement thereof, sheaves for guid-

ing the power cable, and power operated means



connected with the cable for moving the same to turn the lifeboat.

2,045,605
GUARD FOR FLARE SUSPENSION MEANS
John M. King, Dover, N. J.
Application August 9, 1935, Serial No. 35,486
2 Claims. (Cl. 102—24)
(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)



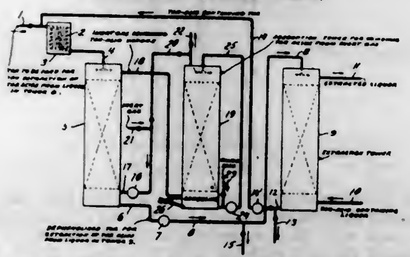
1. A case, a suspension means for the case comprising a hook having a body fixed to the case, a guard formed of spring metal and having channeled guides for engaging the free end of the hook, a curved extremity for engaging the curved portion of the hook, an inclined portion between the hook and the case, and a bent extremity on the inclined portion for bearing against the case at the end of the body of the hook.

2,045,606
PRINTING PLATE AND PROCESS OF MAKING THE SAME
Barnard J. Lewis, Brookline, Mass.
Application June 30, 1933, Serial No. 678,391
14 Claims. (Cl. 101—401.1)



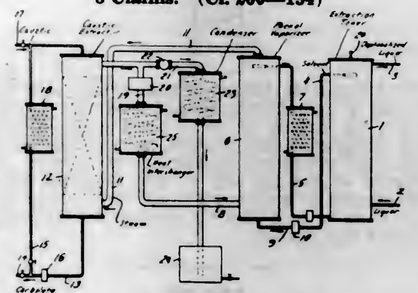
1. A method of making a printing plate, consisting in adhesively uniting a coating of soluble sheet material to a base plate, softening the exposed side of the plate with a solvent and forming depressions in the softened areas, and applying a brushable, hard-drying medium to other areas thereof, thereby to produce in the printing surface of the plate irregularities capable of forming corresponding tonal variations in a print taken from said surface by impression of the plate.

2,045,607
EXTRACTION OF PHENOLS FROM PHENOL-CONTAINING LIQUORS
Stuart Parmelee Miller, Scarsdale, N. Y., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application January 24, 1930, Serial No. 423,249
Renewed August 3, 1934
21 Claims. (Cl. 260—154)



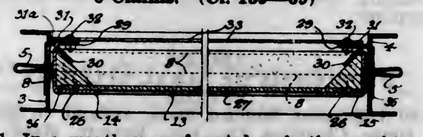
1. The method of extracting phenols from phenol-containing liquors, which comprises bringing the liquors into intimate contact with tar of sufficiently low phenol content to extract phenols therefrom.

2,045,608
RECOVERY OF PHENOLS FROM WASTE AND OTHER LIQUORS
Stuart Parmelee Miller, Scarsdale, N. Y., assignor to The Barrett Company, New York, N. Y., a corporation of New Jersey
Application April 12, 1930, Serial No. 443,739
Renewed July 13, 1935
8 Claims. (Cl. 260—154)



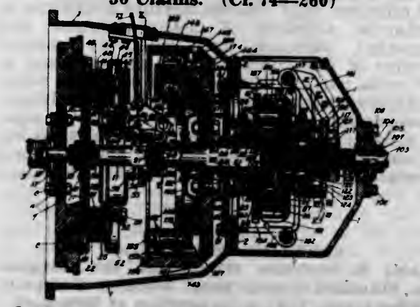
1. The method of recovering phenols from phenol-containing liquors, which comprises extracting the liquor with a coal tar oil by bringing the liquor and oil into intimate contact, separating the dephenolized liquor and the oil, volatilizing the phenols from the oil in a current of inert gas, bringing the dephenolized oil into intimate contact with further amounts of phenol-containing liquor, separating phenol vapors from admixture with the inert gas by bringing the mixture of phenols and inert gas into contact with caustic, and returning the dephenolized inert gas for further vaporization of phenols.

2,045,609
WEATHERPROOF METAL SASH
Irvin Nicholson and Francis Shields, Selden, Kans.
Application May 18, 1934, Serial No. 726,358
6 Claims. (Cl. 189—69)



1. In a weatherproof metal sash, the combination of a sash frame L-shaped in cross section, a pane mounted in said sash frame, putty filling the L-shaped portions of said sash frame securing said pane in the sash frame, a metal window frame within which the sash frame is hingedly mounted, weatherstrips V-shaped in cross section and welded on the sides to the window frame, said weatherstrips having their inner members seated snugly against the said putty to seal the ends of the window frame.

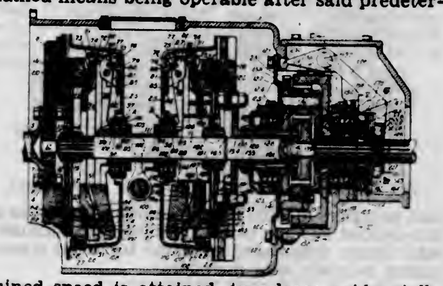
2,045,610
AUTOMATIC POWER TRANSMITTING MECHANISM
Joseph E. Padgett, Toledo, Ohio
Application April 25, 1933, Serial No. 667,869
36 Claims. (Cl. 74—260)



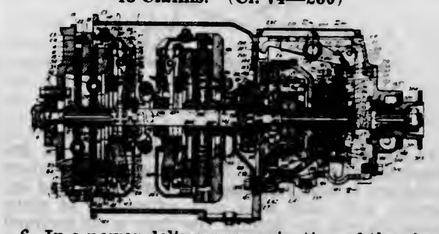
2. In a power transmitting mechanism, relatively rotatable driving and driven members; means for transmitting power between said members, comprising a planet assembly and an orbital gear mounted for relative rotation; means for holding said orbital gear against rotation in one direction when said planet assembly is driving said driven member, said means being mounted for rocking movement substantially in a plane parallel to the axis of the mechanism, and operable to release said orbital gear for two-directional rotation.

2,045,611
AUTOMATIC POWER TRANSMITTING MECHANISM
Joseph E. Padgett, Toledo, Ohio
Application July 17, 1933, Serial No. 680,857
37 Claims. (Cl. 74—260)

1. In an automatic power transmitting mechanism, in sub-combination, a driving member and a driven member mounted for engagement and disengagement; means responsive to the speed of rotation of one of said members and adapted to bring said members into frictional engagement, and means for preventing actuation of said speed responsive means until said one member has attained a predetermined speed, comprising an axially movable member, having means operably associated therewith for yieldably resisting the movement thereof until a force of predetermined magnitude has been applied thereto, said last named means being operable after said predetermined speed is attained, to release said axially movable member and allow said first named means to bring said driving and driven members into engagement at a comparatively rapid rate.



2,045,612
AUTOMATIC POWER TRANSMITTING MECHANISM
Joseph Edward Padgett, Toledo, Ohio
Application November 21, 1933, Serial No. 699,078
43 Claims. (Cl. 74—260)

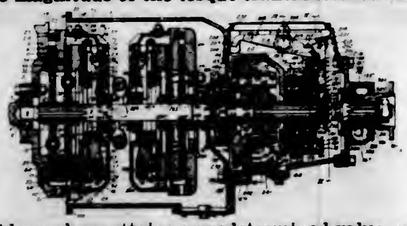


6. In a power delivery organization of the character wherein a prime mover is connected to an automatic transmission mechanism, a low speed clutch for automatically initiating power transmission through said mechanism when said prime mover attains a predetermined speed; a second clutch for automatically establishing a direct drive through said transmission when certain speed conditions have been attained in the transmission mechanism; and means, operatively associated with said mechanism and adapted to be actuated in accordance with the power supplied to said transmission, for introducing a power responsive phase into the operation of at least one of said clutches, by modifying the normal automatic operation thereof.

2,045,613
AUTOMATIC POWER TRANSMITTING MECHANISM
Joseph E. Padgett, Toledo, Ohio
Application February 9, 1934, Serial No. 710,558
36 Claims. (Cl. 74—260)

14. In a power transmitting mechanism, a driving member and a driven member mounted for rotation and adapted to have power applied thereto and taken therefrom respectively; a torque multiplying mechanism normally interconnecting said members and having a rotatable controlling part, said controlling part being operable to change the torque multiplication between said members when rotative efforts are applied to it; a friction clutch for applying rotative efforts to said part when it is engaged, resilient means tending to engage said clutch; and means for

automatically maintaining said clutch disengaged against the action of said resilient means when the magnitude of the torque transmitted between



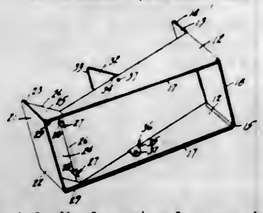
said members attains a predetermined value, said last-named means being operable to maintain said clutch disengaged when no torque is transmitted between said members.

2,045,614
DISPLAY STAND

Henry T. Reynolds, Lombard, Ill., assignor to American Can Company, New York, N. Y., a corporation of New Jersey

Application January 18, 1934, Serial No. 707,159

2 Claims. (Cl. 211—72)



1. A metal display stand comprising an inclined display floor for sustaining articles to be displayed, triangular supporting sides formed integrally with said floor and extending at right angles thereto for holding the floor in its inclined position, a foot member secured to the lower end of said display floor, a V-shaped reenforcing wire having a portion of its legs embedded in the lower edges of said foot member, other portions of said legs being embedded in the outer edges of said triangular supporting sides of said display floor, the mid-portion of said reenforcing wire extending across the back of the stand for strengthening it and for holding the said sides and foot member rigid, and supporting shelves secured to said display floor and extending at an angle thereto for cooperating with said floor to hold the articles in display position.

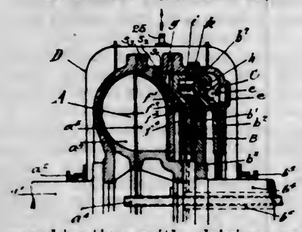
2,045,615
HYDRAULIC DISENGAGING COUPLING

Heinrich Rösle and Ernst Seibold, Heidenheim, Germany

Application April 17, 1930, Serial No. 445,186

In Germany April 18, 1929

16 Claims. (Cl. 192—48)



1. In combination with driving and driven members, power transmission coupling means therefor including an asynchronous hydraulic slip coupling, a hydraulically operated friction coupling, and a flexible coupling between a part of said friction coupling and one of said members, and a common enclosing casing for the slip coupling, the friction coupling and the flexible coupling.

2,045,616
HYDROLYSIS OF ALKYL SULPHATE ESTERS

Neil A. Sargent, Woburn, Mass., assignor to Merrimac Chemical Co., Inc., Everett, Mass., a corporation of Massachusetts

No Drawing. Application May 12, 1933, Serial No. 670,814

16 Claims. (Cl. 260—156)

1. The method of hydrolyzing alkyl esters of sulphuric acid consisting of substantial amounts of the dialkyl ester and monoalkyl ester and a relatively smaller amount of free sulphuric acid wherein the alkyl group contains less than four carbon atoms, which comprises intimately mixing the alkyl ester with not substantially more than an equal part by weight of water until an homogeneous solution is obtained and subsequently distilling the solution to recover the hydrolyzed alkyl products.

13. The method of hydrolyzing ethyl esters of sulphuric acid to produce ethyl alcohol obtained by the reaction of concentrated sulphuric acid and ethylene, said reacted mixture consisting of substantial amounts of diethyl sulphate and monoethyl sulphate and relatively smaller amounts of free sulphuric acid characterized in that equal parts by weight of the ester and water are agitated vigorously at 70–75° C. until a homogeneous mixture is obtained after which the alcohol product is distilled while the hydrolysis is being completed until the sulphuric acid attains a concentration of approximately 67–72% H_2SO_4.

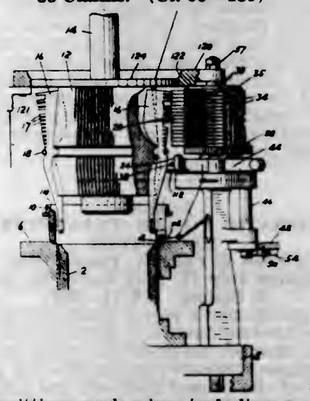
2,045,617
KNITTING MECHANISM

Stanley R. Shelmire, Wilmington, Del., assignor to Standard-Trump Bros. Machine Company, Wilmington, Del., a corporation of Delaware

Application July 19, 1930, Serial No. 469,056

Renewed August 2, 1933

33 Claims. (Cl. 66—135)



1. A knitting mechanism including a circle of needles and devices cooperating therewith to form stitches, at least one wrap finger, a carrier therefor, said carrier being movable in the direction of the axis of the needle circle where

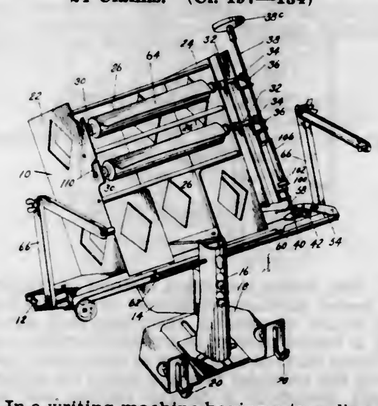
by the wrap finger may be moved towards or from its operative position wherein it is adapted to wrap a yarn about a needle, and means for moving the yarn carrying end of the finger inwardly of the needle circle during and by its movement towards operative position.

2,045,618
ATTACHMENT FOR WRITING MACHINES

John Q. Sherman and Albert W. Metzner, Dayton, Ohio; said Metzner assignor to said Sherman

Application July 29, 1932, Serial No. 625,934

24 Claims. (Cl. 197—134)



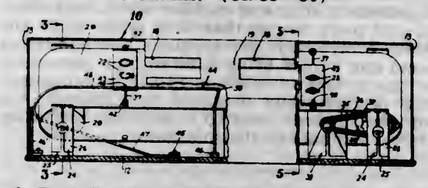
1. In a writing machine having a traveling carriage, means for supplying writing material to the writing position of said machine, and continuous length transfer material feeding means positively actuated for advancing the transfer material to the writing position in line with the writing material but at a predetermined rate of speed slower than the advancement of the writing material, said means including a support mounted in offset relation with respect to the traveling carriage of the writing machine for supporting rolls of continuous length transfer material.

2,045,619
CHANGEABLE DISPLAY DEVICE

William I. Smith, Pasadena, Calif.

Application November 5, 1934, Serial No. 751,596

7 Claims. (Cl. 35—50)



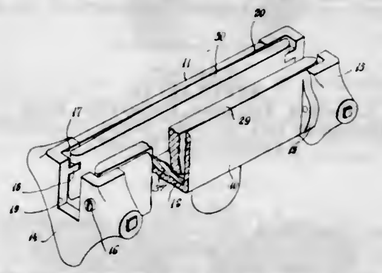
1. In a display device, a housing having a pair of longitudinally aligned apertures therein, an endless belt in said housing and visible through said apertures, means to support said belt, means to move said belt, a display panel on said belt, inclined means to slidably mount said panel to move with said belt and also to move in a direction transverse to the direction of travel of said belt, and means to move the panel transversely to said belt, said panel moving means being designed so that as the panel passes one of said apertures, the panel is shifted upwardly so that one portion thereof is visible, the inclination of the panel mounting means being at such an angle and the smoothness of the bearings for the panel being such that as the panel moves away from one aperture the panel slides downwardly by gravity so that at the other of said apertures a different portion of said panel is visible.

2,045,620
COMPENSATING GIB FOR NOISELESS ELEVATORS

William Spullies, Maywood, N. J.

Application June 26, 1935, Serial No. 28,441

4 Claims. (Cl. 308—3)



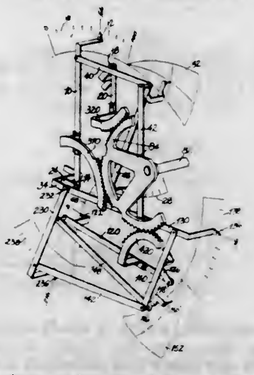
1. In combination with a guide rail, a trunnioned elevator shoe, a channel in said shoe, gibs positioned in said shoe adapted to contact with said guide rail, said gibs having a flat contacting surface, said gibs having angular surfaces converging toward the middle on one side, said gibs being adapted to function in rocking motion, means for locking said gibs in place in said shoe and resilient means for projecting said gibs into contact with said guide rail.

2,045,621
CALCULATING APPARATUS

Albert F. Spitzglass and Otto T. Handwerk, Chicago, Ill., assignors to Republic Flow Meters Company, Chicago, Ill., a corporation of Illinois

Application August 28, 1933, Serial No. 687,064

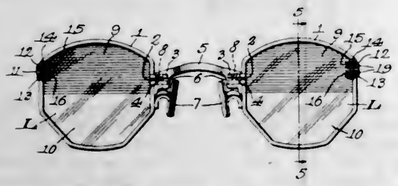
16 Claims. (Cl. 235—61)



15. An instrument comprising a pivot, an arm mounted on said pivot, a second pivot spaced from the first pivot a distance equal to the length of the arm, a second arm equal in length to the first arm and mounted on the second pivot, a third arm equal in length to the first and second

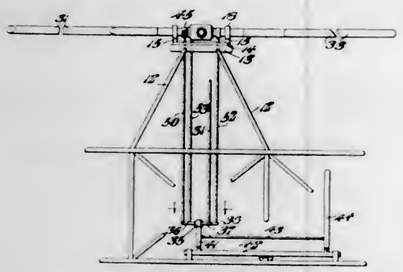
arms and pivoted to the free end of the second arm, a link connecting the free ends of the first and third arms, a fourth arm pivoted coaxially with said first arm, means connecting said fourth arm to said link to move the fourth arm angularly proportionately to angular movements of the link, a third pivot spaced from said first pivot a distance equal to the length of the fourth arm, a fifth arm equal in length to the fourth arm and pivoted on said third pivot, a sixth arm equal in length to said fourth arm and pivoted to the free end of the fifth arm, a link connecting the free ends of the fourth and sixth arms, a seventh arm pivoted coaxially with said first pivot, and means connecting the seventh arm and the last named link to move the seventh arm angularly proportionately to angular movement of the said link.

2,045,622
SPECTACLES
Gilbert A. Thomson, Coffeyville, Kans.
Application July 19, 1934, Serial No. 736,079
4 Claims. (Cl. 88—47)



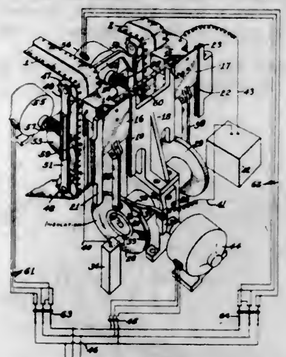
1. Spectacles including lens frames split at their inner sides, a bridge connected to the frames below the split, said bridge including end shields, and means back of the shields and concealed thereby from the front for adjustably connecting the upper portions of the frames to the lower portions thereof at the splits.

2,045,623
AIRCRAFT
Edward Burke Wilford, Merion, Pa.
Application July 16, 1931, Serial No. 551,080
Renewed March 3, 1934
2 Claims. (Cl. 244—19)



1. In gyroplanes, a hub, a shaft extending from the hub, a blade on the shaft, a cam, means mounted on the shaft and arranged to engage the cam to oscillate the shaft during the rotation of the hub, said cam being adjustable to vary the degree of oscillation of said shaft, and means operatively associated with the shaft and arranged under the control of the operator to oscillate said shaft independently of said cam.

2,045,624
METHOD AND MEANS OF RECORDING AND REPRODUCING SECRET MESSAGES
Joseph B. Walker, Hollywood, Calif., assignor of one-half to Sheldon K. Johnson, Los Angeles, Calif.
Continuation of application Serial No. 611,449, May 16, 1932. This application December 26, 1933, Serial No. 704,040
14 Claims. (Cl. 179—1.5)



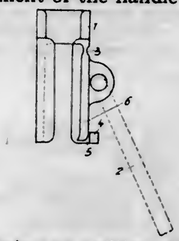
13. The herein described method of transmitting secret messages composed of a plurality of units which consists of recording said message upon a record carrier in irregular order and in fractional parts of said units at one station transferring the irregular message under the influence of said record to a distant station and there restoring the message to its original form in an operation separate from the operation of sending the message between the said stations.

2,045,625
MANUFACTURE OF FERRIC SULPHATE
John F. White, Somerville, and William S. Wilson, Boston, Mass., assignors to Merrimac Chemical Company, Inc., Everett, Mass., a corporation of Massachusetts
No Drawing. Application January 11, 1934, Serial No. 706,250
7 Claims. (Cl. 23—126)

1. A method of producing water-soluble, substantially neutral ferric sulphate which comprises reacting sulfuric acid of about 35-40° Bé. with iron pyrite cinder consisting mainly of ferric oxide but containing material amounts of compounds of iron and sulphur which react with said acid more readily than does ferric oxide and thereby evolve hydrogen sulphide, the admixture of acid and cinder being substantially immediate and the hydrogen sulphide evolving compounds being preferentially dissolved to eliminate the hydrogen sulphide prior to substantial formation of ferric sulphate in the solution.

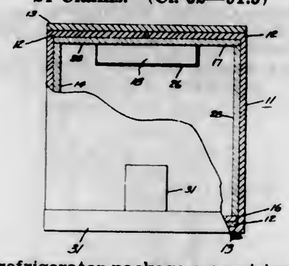
2,045,626
SEPARABLE FASTENER SLIDER
Martin Winterhalter, St. Gallen, Switzerland
Application November 11, 1932, Serial No. 642,310
In Germany November 13, 1931
8 Claims. (Cl. 24—205)

6. In a slider for multiple fasteners, the combination of a slider body having a front wall, a lug integral with and extending forwardly from the front face of said wall, a slider operating handle pivoted at one end to said lug, a slider lock resiliently held in the locking position, said lock being operative to lock the slider in any position of pivotal movement of the handle and said handle



being operable in any position of its pivotal movement to optionally release or permit locking operation of the slider lock.

2,045,627
REFRIGERATING PACKAGE
John H. Wooll, San Francisco, Calif.
Application August 21, 1933, Serial No. 686,024
Renewed January 20, 1936
24 Claims. (Cl. 62—91.5)



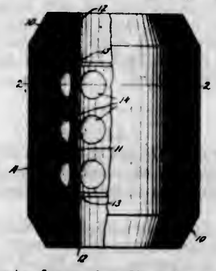
22. A refrigerator package comprising an outer heat insulating container formed of corrugated paper board, and an inner container for carbon dioxide in solid form supported in an upper portion of said outer container and including an absorbent material exposed to the atmosphere in said outer container and saturated with a liquid frozen by the solid carbon dioxide to provide a refrigerating unit in a humidifying relation with said outer container even after said solid carbon dioxide is exhausted without dropping liquid in said absorbent material on products in said outer container.

2,045,628
REFINING CELLULOSE ACETATE
Johannes Aifthan, New York, N. Y., assignor to Du Pont Viscoloid Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 3, 1934, Serial No. 751,282
5 Claims. (Cl. 260—102)

1. Process of refining cellulose acetate having an acetyl number between 50—54, comprising forming a solution of the cellulose acetate in a mixture of ethyl alcohol and water in which mixture the water content is between 25% and 55%, by heating the mixture, clarifying the solution while hot, chilling the clarified solution to precipitate the cellulose acetate, and separating the cellulose acetate from the solvent liquor.

2,045,629
WELL CASING PROTECTOR
William I. Bettis, Los Angeles, Calif.
Application August 21, 1935, Serial No. 37,198
2 Claims. (Cl. 308—4)

2. A protector comprising a sleeve of yielding material for gripping a member of a tool string; said sleeve having end portions of extensive internal superficial area acting as seals to prevent invasion of liquid or fluid between the sleeve and the tool string member; the interior surface of said sleeve likewise having a plurality of re-



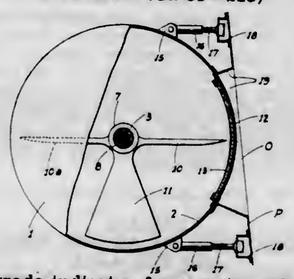
cesses of arcuate form tending to accommodate displacement of the sleeve material in all directions and by the arched wall conformation thereof distributing stresses imparted to said sleeve over extended inner superficial area thereof.

2,045,630
STITCHED CLOTH AND PROCESS OF MANUFACTURING SAME
Barnet Bratman, Brooklyn, N. Y.
Application November 8, 1934, Serial No. 752,091
4 Claims. (Cl. 2—278)



1. A piece of tuck stitched cloth, the tuck stitching including a pair of symmetrically disposed threads passing upwardly through the cloth to form a pair of substantially contacting loops and then downwardly through the cloth and beneath the cloth and forwardly, and then again upwardly to form the next pair of loops, and so on, and a third thread passing through the first pair of loops, then around the next pair of loops, and then back through the first pair of loops, and then forwardly again through the second pair of loops, and so on, said third thread being elastic.

2,045,631
GRADE INDICATOR
John W. Cavender, Placerville, Calif.
Application October 12, 1934, Serial No. 748,063
2 Claims. (Cl. 33—215)



1. A grade indicator for a motor vehicle comprising a cylindrical case adapted to be disposed with its axis extending transversely of the vehicle, a transparent graduated scale-plane forming part of the periphery of the case and ex-

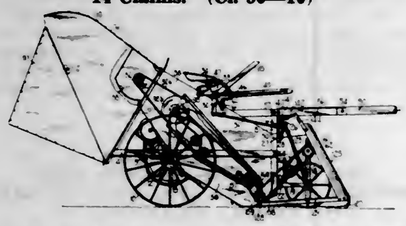
tending from above to below the horizontal central plane thereof, a horizontal counterbalanced pointer pivoted in the case axially thereof and reading directly against the graduated pane, a fixed open saddle following the contour of and engaging the periphery of the case to the sides of said pane, and means mounted in connection with the saddle and with the case to clamp the latter in the saddle and rotatably adjust the case relative to the saddle.

2,045,632
PERTUSED CATALYZER
Edward A. Colby, Maplewood, N. J., assignor to Baker & Company, Inc., a corporation of New Jersey
Application November 23, 1934, Serial No. 754,459
In the Netherlands February 2, 1933
3 Claims. (Cl. 23—234)



1. A catalytic agent for use in chemical processes involving the passage of fluids through perforated sheets of catalytic material, comprising a thin flexible sheet of ductile catalytic metal of a thickness of the order of foil having a plurality of rectangular faced pertusions of a number of the order of at least several hundred per square inch and so spaced that the aggregate face areas of said pertusions is substantially greater than the aggregate face areas of the portions of the sheet between the pertusions, each pertusion having a wall at each side thereof projecting integrally and angularly from one side of the sheet.

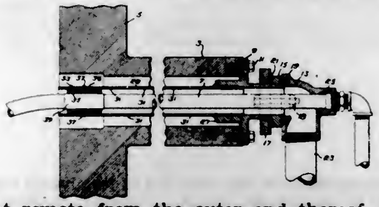
2,045,633
AGRICULTURAL IMPLEMENT
Frank T. Court, Moline, Ill., assignor to Deere & Company, Moline, Ill., a corporation of Illinois
Application April 30, 1934, Serial No. 723,131
14 Claims. (Cl. 56—10)



1. A cotton harvester comprising a rotatable stripping roll having outwardly projecting fingers thereon, a stationary member disposed alongside of said roll at the points where the fingers thereof engage the plants to remove cotton therefrom, said member being concave to conform generally to the curvature of the path of the ends of said fingers and cooperate with the latter in their cotton removing operation.

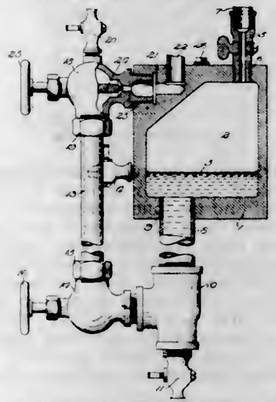
2,045,634
MOUNTING OF SIPHON PIPES AND THE LIKE
Hervey G. Cram, Boston, Mass.
Application July 14, 1934, Serial No. 735,236
4 Claims. (Cl. 285—10)

1. A construction for supporting a stationary pipe in position extending through the trunnion of a rotating cylinder comprising a fitting for removable attachment to the trunnion at the outer end thereof to rotate therewith, an inwardly extending support overhung therefrom in spaced relation to the inner wall of the trunnion at a



point remote from the outer end thereof, and a journal bearing for supporting the pipe with relative rotation therebetween, said bearing being carried by the support adjacent the distal end thereof.

2,045,635
MANOMETER
Robert Wesley Cretney, Sterlington, La., assignor to Thermatomic Carbon Company, Pittsburgh, Pa., a corporation of Delaware
Application August 14, 1931, Serial No. 557,050
4 Claims. (Cl. 73—31)

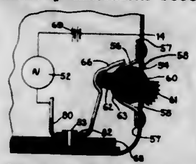


2. In a manometer for measuring the difference between two pressures, the combination of a casing enclosing a reservoir, said casing providing a passage separate from the reservoir, means for introducing the higher of the two pressures into said passageway, means for introducing the lower of the two pressures into the reservoir, a transparent tube having its upper end connected to said passageway, means providing a conduit connecting the reservoir below the normal liquid level in the same with the lower end of the transparent tube and means for controlling the liquid level in said tube and reservoir.

2,045,636
CIRCUIT CLOSER FOR ELECTRIC HAND LANTERNS
Roy L. Darling, Jersey City, N. J., assignor to Bond Electric Corporation, Jersey City, N. J., a corporation of Delaware
Application April 13, 1934, Serial No. 720,415
4 Claims. (Cl. 200—60)

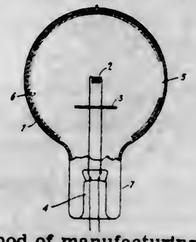
4. In a hand lantern whereof the casing forms part of the electrical circuit and is formed with a slot, and having a spring pressed contact, a

conductive switch member secured to the casing and having semi-circular parallel walls and a semi-cylindrical wall joining the two, the last named wall being slotted in substantially the same plane as the slot of the casing, a disc-like member of insulatory material received between



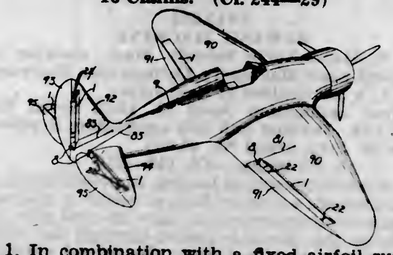
the parallel walls and freely pivoting therebetween, a thumb piece carried with the disc and extending through the slot in the casing, a cam piece carried with the disc and extending through the slot in the wall and movable, in one position, to deflect the spring pressed switch contact.

2,045,637
PHOTOTUBE
Jan Hendrik de Boer and Marten Cornelis Teves, Eindhoven, Netherlands, assignors to N. V. Philips' Gloeilampenfabrieken
Application July 26, 1935, Serial No. 33,309
In Germany July 26, 1934
5 Claims. (Cl. 250—27.5)



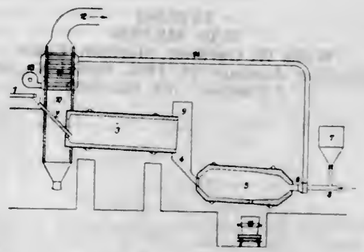
1. The method of manufacturing a photo-sensitive electrode comprising depositing a silver layer upon a base, partially oxidizing said silver layer; forming silver particles on said partially oxidized layer and subjecting the resulting layer to the action of caesium in the presence of a rare gas at a pressure of a few hundredths of a millimeter to form a layer including silver particles, caesium oxide particles and pure caesium particles.

2,045,638
MEANS TO ASSIST MOVEMENT OF AIRPLANE CONTROL SURFACES
Etienne Dormoy, Seattle, Wash., assignor to Boeing Aircraft Company, Seattle, Wash., a corporation of Washington
Application December 18, 1934, Serial No. 758,049
16 Claims. (Cl. 244—29)



1. In combination with a fixed airfoil surface and a control surface hingedly mounted thereon, a flap mounted adjacent the hinge thereof and normally disposed in a position wherein it does not project into the airstream passing over such control surface, means to move said flap in response to movement of the control surface from its neutral position, into a position in such windstream, to lessen the hinge moment upon such control surface and means to close the gap between the fixed surface and the control surface when the control surface and the flap are thus moved.

2,045,639
PROCESS FOR THE PRODUCTION OF MOLTEN IRON OR STEEL BY THE DIRECT METHOD
Fritz Eulenstein, Cologne-on-the-Rhine, and Adolf Krus, Sturzelberg uber Neuss, Germany, assignors to "Sachtleben" Aktiengesellschaft für Bergbau und Chemische Industrie, Cologne-on-the-Rhine, Germany
Application October 28, 1933, Serial No. 695,704
In Germany October 6, 1932
11 Claims. (Cl. 75—38)

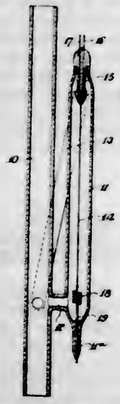


1. The process of producing molten iron or steel by direct reduction which comprises introducing into a rotary tube-furnace a charge containing oxidic iron compounds, a solid carbonaceous combustible and silica; subjecting said charge to direct heat to raise the charge to a reducing temperature to effect conversion of said oxidic iron compounds to solid metallic iron and ferrous silicate slag; decomposing said ferrous silicate slag by means of lime at further increased temperatures; reducing to metallic iron ferrous oxide displaced in the slag by said lime; converting the reduced solid iron to the molten state; and withdrawing from the furnace the iron and the slag in a molten condition.

2,045,640
THERMAL CONDUCTIVITY CELL
George E. Fredericks, Somerton, Philadelphia, Pa., assignor to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application October 29, 1934, Serial No. 750,522
9 Claims. (Cl. 73—51)

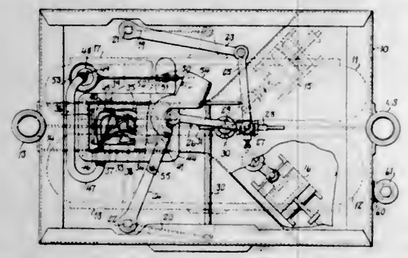
1. A thermal conductivity cell comprising an elongated envelope including a fluid inlet and a fluid outlet, a bifilar electrical resistance element having an intimate non-corrodible coating serving to retain the strands of said element in fixed relationship and to insulate the strands of the element from each other, electrical terminals for said resistance element projecting from and

sealed in the same end of said envelope, and



means for tensioning said resistance element within said envelope.

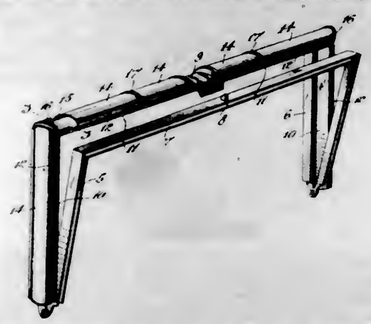
2,045,641
GAS METER
Willis W. Gardner, Meriden, Conn.
Application January 10, 1934, Serial No. 705,993
5 Claims. (Cl. 73—262)



1. A gas meter including: gas-measuring mechanism; a supply of lubricant; wick-means adapted to cause lubricant to be carried to said gas-measuring mechanism, the lubricant-receiving end of said wick-means being freely exposed above and out of contact with said supply of lubricant; and lubricant-carrying means actuated by said gas-measuring mechanism and adapted to carry lubricant against said freely exposed end, excess lubricant being free to drop off said freely exposed end.

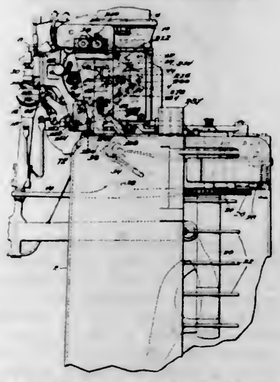
2,045,642
BAG FRAME
Frederick W. Goerdes, Newark, N. J., assignor to The J. E. Mergott Company, Newark, N. J., a corporation of Delaware
Application May 15, 1935, Serial No. 21,541
3 Claims. (Cl. 150—29)

1. In combination with a U-shaped bag frame having a longitudinal section and legs at right angles to said longitudinal section, a holder comprising a U-shaped channel guide having its side walls provided with inturned flanges, said flanges and walls being interrupted at the corners of the U-shaped holder, plates inserted in the legs and longitudinal section of the U-shaped holder, said plates being arcuate in cross section and of substantially uniform thickness and means inserted in the holder at the corners thereof to close



the gap between plates in the longitudinal section and in the legs of the holder.

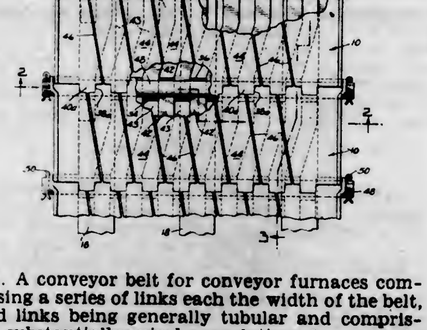
2,045,643
SEWING MACHINE
Otto R. Haas, North Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application April 21, 1933, Serial No. 667,224
25 Claims. (Cl. 112—38)



1. A lockstitch shoe sewing machine having, in combination, a hook needle, a rotary loop taker, a locking thread case, and means acting independently of the rotary movement of the loop taker for moving the thread case with relation to the loop taker to cause a predetermined amount of thread to be drawn from the thread mass in the case by reason of the resistance offered by the previously completed stitch in the work.

2,045,644
SEWING MACHINE
Otto R. Haas, North Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Original application April 21, 1933, Serial No. 667,224. Divided and this application September 28, 1935, Serial No. 42,665
9 Claims. (Cl. 112—57)

1. A sewing machine having, in combination, a work support, a presser foot, a needle, a take-up movable during sewing to take up and give up thread as the thread is passed through the work, and means acting to prevent the thread normally given up by the take-up during sewing from being withdrawn with the work as the work is



removed from the work support after the machine comes to rest.

2,045,645
SKIM BOAT
Emil C. Hansen, Media, Pa.
Application October 18, 1934, Serial No. 748,796
3 Claims. (Cl. 9—18)

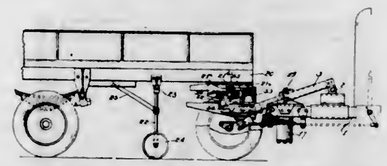


1. An aquatic device comprising a buoyant prow body, means including a motor for propelling said body, a relatively flat buoyant member attached to the rear of said body for supporting a person lengthwise thereon, two pontoons attached to said member and arranged in spaced relation, a rudder alined with the space between said pontoons, and means controlled by said person for operating said rudder.

2,045,646
LINK BELT
Henry H. Harris, Champaign, Ill.
Application June 15, 1935, Serial No. 26,752
12 Claims. (Cl. 263—8)

1. A conveyor belt for conveyor furnaces comprising a series of links each the width of the belt, said links being generally tubular and comprising substantially spiral convolutions from side to side, and said links being notched to receive lugs pivoted in adjacent links, and pivot pins inserted through the interfitting lugs and notched parts.

2,045,647
HOIST FOR SEMITRAILERS
Harry W. Helms, Detroit, Mich., assignor to Highway Trailer Company, Edgerton, Wis., a corporation of Wisconsin
Original application April 8, 1932, Serial No. 603,963. Divided and this application May 31, 1935, Serial No. 24,193
11 Claims. (Cl. 298—22)



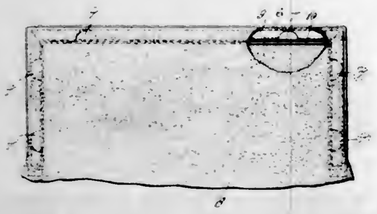
1. In combination, a tractor, a semi-trailer and a separable fifth wheel including a depending coupling member on the trailer and a platform member on the tractor comprising a pair of laterally separated platform surfaces spaced apart to receive the coupling member between them, together with a hoisting arm fulcrumed on the tractor with its lifting end normally disposed between said platform surfaces, and coupling means carried by said end of the hoisting arm engageable with the coupling member of the trailer by relative horizontal movement of said parts with the coupling member accommodated between said platform sections, whereby the hoisting arm is adapted to lift the trailer from the platform surfaces.

2,045,648
METAL RECTIFIER
Thomas J. Henry, East Orange, and Julius Hirmann, Hillside, N. J., assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application April 13, 1935, Serial No. 16,126
6 Claims. (Cl. 250—27.5)



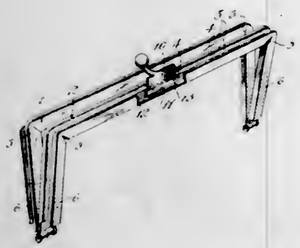
2. An electron discharge device comprising two envelope units each comprising a hermetically sealed length of metal tubing containing an electron emitting electrode, insulating spacers at each end of said units for securing said units in fixed parallel spaced relation, a base with contact pins, means for supporting said units upon said base, a perforated shell positioned over said units in engagement with said insulating spacers and secured at one end to said base, and electrical connections between each of said metal tubings and contact pins in said base.

2,045,649
HANDBAG
William C. Hiering, Millburn Township, Essex County, N. J., assignor to J. E. Mergott Company, Newark, N. J., a corporation of Delaware
Application July 29, 1933, Serial No. 682,737
1 Claim. (Cl. 150—29)



In a hand bag frame, a frame member formed from a blank of uniform width throughout its length, said member having an inner side wall with outwardly directed upper and lower flanges, a plurality of tabs struck outwardly from the inner side wall at an angle to the side wall, said tabs being directed toward the upper flange and being bendable towards the inner side wall, an inlay having bag covering material attached thereto, said inlay being positioned in said frame member against the inner side wall above said tabs, said tabs being clinched over the inlay to tightly hold the inlay in position to the frame member, bag covering material passing under the upper outwardly directed flange and overhanging the inlay.

2,045,650
BAG FRAME
William C. Hiering, Millburn Township, Essex County, N. J., assignor to J. E. Mergott Company, Newark, N. J., a corporation of Delaware
Application May 11, 1934, Serial No. 725,135
2 Claims. (Cl. 150—29)

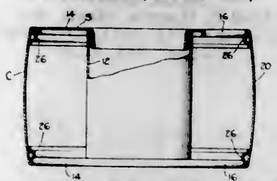


1. In a hand bag frame, a pair of outwardly opening channelled frame members hingedly connected, beads formed about the edges of adjacent inner walls of said frame members, and a fastening element secured to one of said frame members, said element having a plate bent to form a channel abutting the bead to prevent upward movement of the element, said plate engaging the outer wall of said frame member to prevent lateral movement of the element.

2,045,651
POLYMERIZATION PRODUCT AND PROCESS FOR MOLDING SAME
Rowland Hill, Manchester, England, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application August 8, 1934, Serial No. 738,930
7 Claims. (Cl. 260—2)

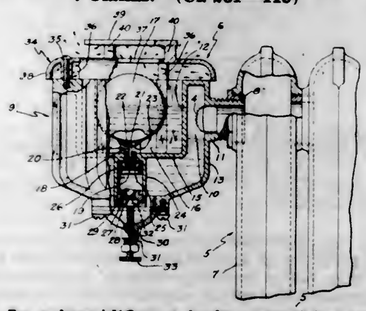
1. Process of preparing a moldable composition comprising heating a relatively large bulk of monomeric methyl alpha methacrylate to initiate polymerization and allowing said polymerizing action to proceed rapidly by having the exothermic heat of reaction build up in the mass until a solidified mass full of small cavities is formed.

2,045,652
SPOOL COVER
Arthur G. Hopkins, Maspeth, N. Y., assignor to National Can Company, a corporation of Delaware
Application June 14, 1933, Serial No. 675,675
16 Claims. (Cl. 206—52)



1. A container for a spool, said container comprising a ring or band of sheet metal provided with inwardly projecting means for receiving and locating the side walls of the spool in place, said means being so shaped as to facilitate reception and discharge of the spool by movement of the spool axially of the cover, the ends of the band being relatively slidable to permit expansion of the container during reception or discharge of the spool by axial movement as aforesaid, one end of said band having a tongue slidably received in a mating space formed in the other end of said band, said tongue being provided with slots, and the other end of the band being provided with teats projecting into the slots and operating to limit the permissible expansion of the container.

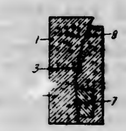
2,045,653
HUMIDIFIER
Leroy W. Hoyt, Stamford, Conn.
Application February 7, 1935, Serial No. 5,363
7 Claims. (Cl. 261—119)



1. In a humidifier, a body comprising a condensing chamber adapted for connection with a steam line, an evaporating chamber within and

heated from the condensing chamber and open at its upper side, a connection between the chambers whereby water of condensation from the condensing chamber is fed to the evaporating chamber, means controlling such feeding of water of condensation, a cover over and spaced from the upper ends of the condensing and evaporating chambers and having an opening over the upper open side of the evaporating chamber, and the outer wall of said condensing chamber being fluted to provide upright air passages over the upper ends of which said cover extends to direct inwardly over the upper open side of the evaporating chamber the air passing upwardly through said flutes.

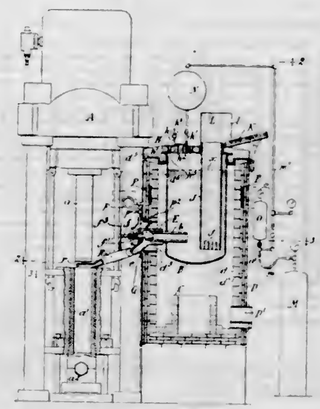
2,045,654
MULTIFOCAL OPHTHALMIC LENS BLANK AND LENS AND METHOD OF MAKING THE SAME
Daniel D. Hubbell, Columbus, Ohio, assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a corporation of New York
Application December 20, 1934, Serial No. 758,517
11 Claims. (Cl. 88—54)



1. A fused lens blank for making a multifocal ophthalmic lens comprising a body portion of glass of a suitable index of refraction and a segment of glass of a different index of refraction and of substantial thickness throughout its entire area embedded to a substantial extent throughout its entire area in said body portion so as to produce an embedded shoulder extending substantially therearound, said body portion having a base and said embedded segment having a base which is optically surfaced in a known and predetermined manner, said segment being located at a predetermined position within the area of said body portion, said optically surfaced base of said segment being disposed at such a known and predetermined distance from the base of said body portion and in such a known and predetermined relation to said base of said body portion that the finishing of the top of said segment and the surrounding glass of the body portion to a known and predetermined distance from the base of said body portion and in a known and predetermined relation to the base of said body portion and said optically surfaced base of said segment will simultaneously determine the amount of the add of the segment, the prismatic power of the segment, if any, and the location of the prism base, and the thickness of such segment.

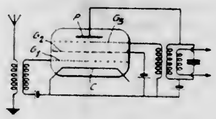
2,045,655
APPARATUS FOR EXTRUDING METALS
Conrad C. Jacobson, Glen Ridge, N. J., assignor to John Robertson Co., Inc., Brooklyn, N. Y., a corporation of New York
Application July 30, 1932, Serial No. 626,442
2 Claims. (Cl. 207—2)

1. In combination, an extrusion press cylinder, a melting kettle, a source of non-oxidizing gas, means for selectively charging said cylinder with molten metal, gas, or both metal and gas simultaneously, said means comprising a delivery chute having connection with both the melting kettle and the source of gas, and means surrounding



the melting kettle and adapted to derive heat therefrom for preheating the gas.

2,045,656
ELECTRON TUBE
Gunther Jobst and Horst Rothe, Berlin, Germany, assignors to Telefunken Gesellschaft für Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application October 28, 1933, Serial No. 695,568
In Germany October 31, 1932
9 Claims. (Cl. 250—27.5)

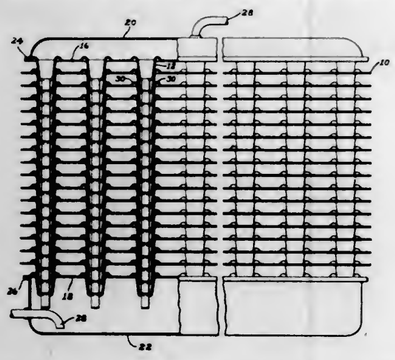


1. A multi-function electron discharge tube comprising a cathode, an anode and a plurality of grid electrodes interposed between cathode and anode, the grid electrode nearest the anode being divided along the length of the cathode into distinct portions, each of uniform grid openings, but the grid openings of the various portions being different, said grid portions and corresponding portions of the other grid electrodes cooperating with the cathode and anode to perform different functions.

2,045,657
HEAT EXCHANGE APPARATUS
John Karmazin, Huntington, Ind., assignor to Karmazin Engineering Company, a corporation of Michigan
Application April 13, 1935, Serial No. 16,207
5 Claims. (Cl. 257—139)

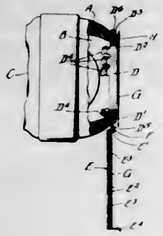
2. A heat exchanger comprising a plurality of nested fin elements each having integrally formed therewith a plurality of tapered tube-forming portions, said portions being elongated in the direction of fluid flow outside the tubes, each tube-forming portion having an apertured bottom, and means associated with a plurality of the apertures in the bottom of each tube-forming portion and integrally formed from the material

of the fin for deflecting fluid flowing through the



tubes in the direction of the incoming fluid passing around said tubes.

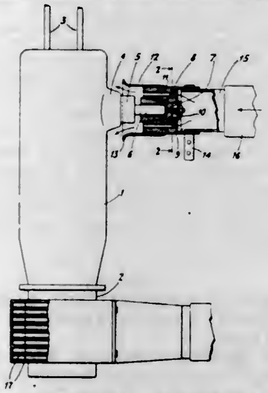
2,045,658
MOUTHPIECE
Frederick C. Kauffmann, Brookline, Mass., assignor, by direct and mesne assignments, to Stellar Corporation, a corporation of Rhode Island
Application January 19, 1935, Serial No. 2,467
6 Claims. (Cl. 179—185)



1. A part formed with an aperture, and in combination therewith, a member comprising means for releasably holding a pile of sheets and connected to said part for movement into and out of a position in which an end sheet of said pile extends across said aperture, and sheet holding means adapted to be engaged by said end sheet on movement of said member into said position, and adapted to detach said end sheet from said holding means and retain it in the position in which it extends across said aperture when said member is moved out of the first mentioned position.

2,045,659
ELECTRON TUBE COOLING SYSTEM
Nils E. Lindenblad, Port Jefferson, N. Y., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application March 15, 1935, Serial No. 11,217
5 Claims. (Cl. 250—27.5)

1. A thermionic discharge device comprising an envelope for enclosing cooperating electrodes, terminals for said electrodes extending exteriorly of said envelope and sealed in insulating material in the wall thereof, an apertured heat radiating member of good heat conducting material secured to one of said terminals, means for introducing air under pressure at one end of the apertures, the other end of the apertures being positioned

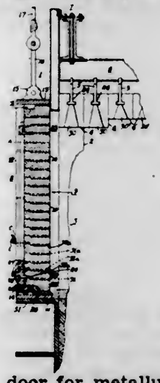


to direct the air against the envelope adjacent the seal.

2,045,660
PROCESS OF POLYMERIZATION
Donald John Loder, Wilmington, Del., assignor to Dupont Viscoloid Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 1, 1934, Serial No. 728,550
7 Claims. (Cl. 260—2)

3. Process of preparing a bubble free, solid, massive product comprising heating a continuous mass comprising liquid methyl methacrylate monomer and a polymerizing catalyst therefor, to initiate polymerization of the monomer, and thereafter removing the exothermic heat of reaction from the mass at a rate at least sufficient to hold the temperature throughout the mass below the temperature of bubble formation until a solid polymerized mass is obtained.

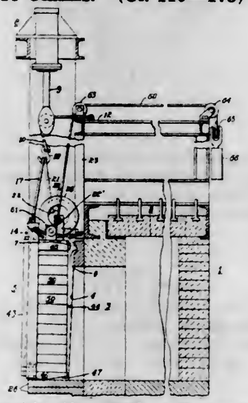
2,045,661
DOOR FOR METALLURGICAL FURNACES
Levi S. Longenecker, Pittsburgh, Pa.
Application January 22, 1934, Serial No. 707,678
3 Claims. (Cl. 110—173)



1. A charging door for metallurgical furnaces comprising a metallic frame having a back, and inwardly projecting top and bottom plates disposed at substantially right angles to and integral with the back, said back having a plurality of spaced relatively narrow vertical slots terminating in relatively wide slot portions at the tops thereof, a brick lining for the inner face of the door and supported on said bottom

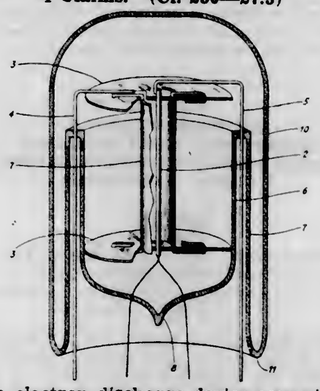
plate, and hangers attached to the bricks of said lining, said hangers having extensions projecting through said slots and provided with lugs wider than the narrow portions of the slots in said frame for holding the bricks in place, said lugs being inserted through the wide portions of the slots in the back of the door frame in the assembly of said lining and means attached to said top plate for raising and lowering the door.

2,045,662
FURNACE DOOR AND OPERATING MECHANISM THEREFOR
Levi S. Longenecker, Pittsburgh, Pa.
Application June 4, 1934, Serial No. 728,846
16 Claims. (Cl. 110—173)



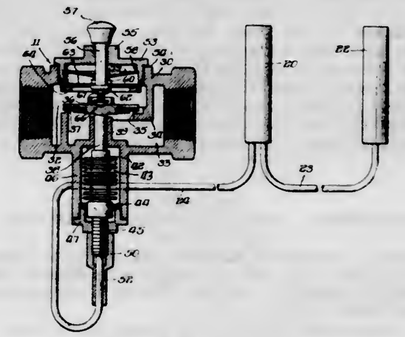
1. The combination with a furnace having a vertically movable door, and a lift for raising or lowering the door, of a track mounted entirely above the furnace door, wheels carried by the top of the door and positioned to run on said track, and means operated by the lift and cooperating with said wheels for shifting the top of the door away from the furnace wall before the door starts to rise with the lift.

2,045,663
ELECTRON DISCHARGE DEVICE
Edmund Löpp, Eindhoven, Netherlands, assignor to N. V. Philips'-Gloeilampenfabrieken, Eindhoven, Netherlands
Application July 17, 1935, Serial No. 31,768
In Germany August 8, 1934
4 Claims. (Cl. 250—27.5)



1. An electron discharge device comprising an envelope of insulating material with a reentrant stem, an exhaust tube concentric with said stem, a press comprising a gas tight junction between said stem and tube with lead-in wires sealed therethru, and an assembly of electrodes extending into said tube and connected electrically to said wires.

2,045,664
MULTIPILOT CONTROLLED VALVE
Harold A. Mantz, Milwaukee, Wis., assignor to Milwaukee Gas Specialty Company, Milwaukee, Wis., a corporation of Wisconsin
Application September 10, 1934, Serial No. 743,381
8 Claims. (Cl. 158—117.1)



1. In a domestic gas range, a cooking compartment, an oven compartment, pilot burners in each of said compartments, a main fuel supply conduit terminating in a manifold extending into said cooking compartment, a valve in said conduit anterior to said manifold, means normally biasing said valve to closed position, expansible pressure responsive means carried by said valve for opening the same against said biasing means upon increase in pressure therein, and serially connected thermally sensitive means adjacent each of said pilot burners providing for increase of pressure in said pressure responsive means to open said valve only during ignition of both of said pilot burners, and means operative to render said biasing means inoperative whereby said valve is responsive solely to variations in pressure within said pressure responsive means.

2,045,665
FINGER RING AND THE LIKE
Royal Marcher, New York, N. Y., assignor to Cohn & Rosenberger, Inc., New York, N. Y., a corporation of New York
Application April 1, 1935, Serial No. 14,041
10 Claims. (Cl. 63—15)



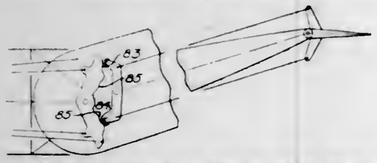
1. In an article of jewelry, a base having an annular recess adapted to receive a material containing a vaporizable fluid and a central opening, an ornamental cover, means securing said cover to said base, said means permitting movement of the cover to expose said recess and an ornament mounted in said cover and extending into said central opening.

2,045,666
SAFETYPIN
Cameron A. McPhee, Seattle, Wash.
Application September 7, 1934, Serial No. 743,099
2 Claims. (Cl. 24—150)



1. A safety pin of the type having a head, a back and a point with the back and point formed of wire and having a coil at the end opposite the head forming a spring and in which the point may be held in the head by placing it through openings in the sides thereof, characterized in that the width of the back of the head is increased and the back comprises two wires with considerable space between the wires at the head and said wires tapering toward the coil at the opposite end where they join, thereby forming a flat gripping portion at the back of the head.

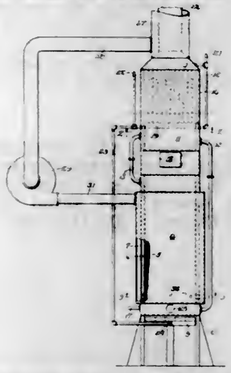
2,045,667
TRIMMING AND BALANCING FLAP FOR AIRCRAFT
Robert J. Minshall, Seattle, and Ralph L. Cram, Seahurst Park, Wash., assignors to Boeing Airplane Company, Seattle, Wash., a corporation of Washington
Application May 8, 1933, Serial No. 669,900
31 Claims. (Cl. 244—29)



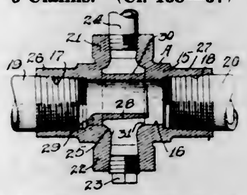
1. In combination with an airplane structure, a control surface pivotally mounted thereon, a balancing flap pivotally mounted upon the control surface, control means operable by the pilot for swinging the control surface from a given position, and automatic means for swinging the flap relatively to the control surface, including a cam follower operating to maintain the angular relationship between the flap and the control surface substantially unchanged for angular departures of the latter by a predetermined amount from such given position.

2,045,668
MINERAL WOOL FURNACE
Thomas F. Mooney, New Lexington, Ohio, assignor to Ludowici-Celadon Company, Chicago, Ill., a corporation of Illinois
Application June 17, 1935, Serial No. 26,930
2 Claims. (Cl. 122—6)

1. A melting furnace comprising a cupola including a melting chamber, a water jacket surrounding said chamber and an air jacket surrounding the water jacket, a waste heat duct leading from the melting chamber, a steam superheater in said duct, a boiler through which products of combustion are delivered from said duct, a pipe connection between said water jacket and said boiler, a pipe connection between the boiler and the superheater, a nozzle in proximity to the bottom of the melting chamber, a connection between the superheater and said nozzle, a stack leading from said boiler, a jacket surrounding said stack, a blower having its inlet side connected with said stack jacket and its outlet connected with said air jacket, and ducts establishing communication between said air jacket and the lower portion of said melting chamber through which heated air for draft purposes is delivered into said chamber.

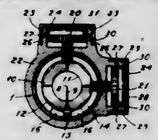


2,045,669
PIPE FITTING
Courtland G. Newton, Chicago, Ill., assignor to Horace S. Kehm, Chicago, Ill.
Application September 14, 1935, Serial No. 40,541
6 Claims. (Cl. 138—37)



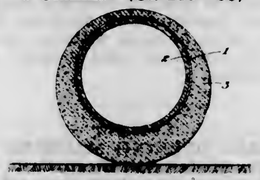
1. A pipe fitting comprising a body structure defining opposed main openings each arranged for connection to a pipe, and an intermediate chamber having a branch connection communicating therewith, a tube eccentrically disposed relative to said main openings and communicating at one end with one of the main openings and extending thru the intermediate chamber towards the other main opening, the other end of said tube being secured along a portion of its periphery to the body adjacent the branch connection and free relative to the remainder of its periphery.

2,045,670
SIGHTING DEVICE
Rudolf Noske, San Carlos, Calif.
Application January 23, 1935, Serial No. 2,989
3 Claims. (Cl. 33—50)



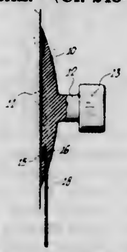
2. Sight supporting means for a telescope or the like comprising a split sleeve adapted to be forced into the telescope and tending to expand against the wall of the telescope for anchoring the sleeve, a strip of material projecting from the sleeve lengthwise of the telescope and a sight supporting element secured to the free end of the strip.

2,045,671
PIPE CONSTRUCTION
Maurice M. Ogee, Montreal, Quebec, Canada, assignor to The Bonna Pipe Company of America, Inc., Brooklyn, N. Y., a corporation of Delaware
Application January 10, 1934, Serial No. 706,035
3 Claims. (Cl. 138—66)



1. A pipe comprising a cylindrical core of steel, a cylindrical lining of concrete within the core and an external coating of concrete about the core having a cylindrical outer surface, the circular contours of the inner and outer surfaces of the pipe being eccentric with the axis of the outer contour below that of the inner contour to provide a substantially thicker wall portion at the bottom of the pipe than at the top or sides.

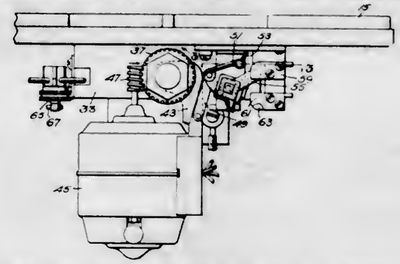
2,045,672
SUCTION HOLDER
James Oliveri, Island Park, N. Y.
Application January 10, 1936, Serial No. 58,448
1 Claim. (Cl. 248—206)



A suction holder comprising a hollow rounded suction-cup base, said base having an angular slit therein near its periphery to provide an upwardly-inclined mouth having a roof and a floor formed of the material of the base, said mouth being adapted to receive a card or the like, the floor and roof of the mouth being forced together to lock said card therebetween upon depressing of the base against a smooth surface to secure said base thereto by suction, said slit terminating in a straight line which lies at a distance from the axis of the base, said upwardly inclined mouth becoming flattened and assuming a position parallel with said mouth surface as a result of said depression.

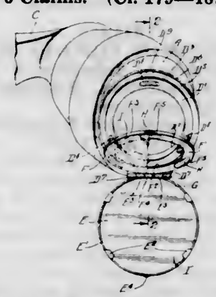
2,045,673
ELECTRIC COOKING APPARATUS
Robert H. Park, Bound Brook, N. J.
Application May 1, 1934, Serial No. 723,317
8 Claims. (Cl. 219—20)

2. An electric cooking device comprising movable clamps for gripping contacts on a device to be heated to include the same in an electric circuit, a motor having a yieldable driving relation to said clamps for closing the same and switch



means operating responsively to the yielding of the drive for energizing the circuit.

2,045,674
MOUTHPIECE
Winfred T. Parkin, Providence, R. I., assignor, by mesne assignments, to Stellar Corporation, Providence, R. I., a corporation of Rhode Island
Application August 24, 1935, Serial No. 37,649
6 Claims. (Cl. 179—185)

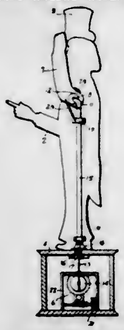


1. The combination with a part formed with an aperture and adapted for attachment to a voice transmitting mouthpiece and formed with projections at its front side and angularly spaced about the axis of said part, of an apertured member releasably held in front of said part and formed with slots through which said projections extend, adhesive material adhering to said member and including a portion held in front of each projection and thereby projected through the corresponding slot, and a second member comprising means for releasably holding a pile of sheets and connected to said part for movement into and out of a position in which the end sheet of said pile extends across said aperture in position for engagement by said adhesive material, whereby, when said second member is moved out of said position, the end sheet may be retained by its engagement with said adhesive material in position to extend across said aperture.

2,045,675
ADVERTISING DISPLAY DEVICE
George L. Phillips, Newkirk, Okla.
Application July 27, 1934, Serial No. 737,219
1 Claim. (Cl. 40—139)

An advertising display device comprising an upright panel having the outline of a figure, said panel resting on a pedestal, a hollow support fastened to the pedestal in an upright position behind the panel, means connecting the panel to the hollow support, an arm fixed to the panel and extending outwardly therefrom, a movable arm, a shaft on the movable arm, a pulley on the

shaft, bearings for the shaft, a hollow support for the bearings, a flexible member one end of which is fastened to a point on the periphery of the pulley and the other end fastened to a crank

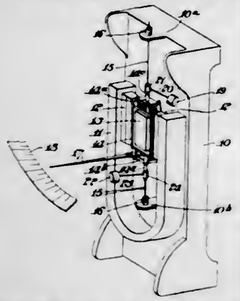


lever, means for rotating the crank lever, the portion of the flexible member intermediate its ends passing through the hollow bearing support.

2,045,676
TREATMENT OF FIBROUS SHEETS
Quentin L. Quinlivan, Arlington, N. J., assignor to Celastic Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application November 3, 1934, Serial No. 751,279
7 Claims. (Cl. 91—70)

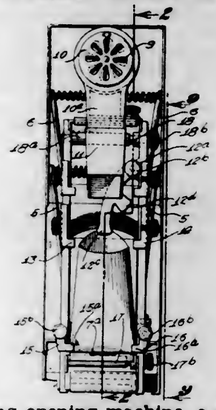
1. Process comprising dissolving cellulose acetate having an acetyl number of 48 to 54½ in a hot liquid capable of dissolving said cellulose acetate when hot but which will precipitate the cellulose acetate in discontinuous form on cooling, impregnating a fibrous sheet with the hot solution formed, and cooling said impregnated fibrous sheet to precipitate the cellulose acetate in discontinuous form throughout said fibrous sheet.

2,045,677
APPARATUS FOR BALANCING MEASURING INSTRUMENTS
John F. Schock, Philadelphia, Pa., assignor to Leeds and Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania
Application December 7, 1934, Serial No. 756,394
4 Claims. (Cl. 171—95)



3. In combination, a measuring instrument provided with a movable element subject to static unbalance, means supporting said element for deflection about a given axis of rotation, said static unbalance introducing errors in the deflection of said element when the axis thereof is tilted, balancing means for said element comprising at least a pair of masses each of which includes a radial extension of relatively small cross-sectional area, the major portion of each of said masses being concentrated at one end of its radial extension, supporting means carried by the opposite ends of each of said elements, one of said supporting means nesting within and frictionally engaging the other of said supporting means, and a pillar supported by said element frictionally engaged by said supporting means to retain said masses and said radial extensions in fixed positions to balance statically said element, each of said masses being movable about said axis to any given position without changing the moments of inertia of said element and said balancing means.

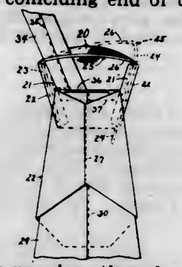
2,045,678
BAG OPENING MACHINE
Ira Shafer, San Diego, Calif.
Application October 14, 1932, Serial No. 637,746
5 Claims. (Cl. 226—49)



1. In a bag opening machine, a frame, an inclined member mounted on said frame, an opening for the exit of bags in vertical position in said frame at the lower end of said inclined member, an air directing means mounted on said frame immediately above said opening, means for adjusting the width of the front end of the frame, guide means on said frame above said inclined member, a roller mounted on a portion of said guide means intermediate said inclined member and the upper edges of the bags tending to hold said bags downwardly and forwardly in said frame on said inclined member, clips with extended portions extending slightly over said opening adapted to engage the edge of the bags when at the forward position in said opening, means for adjusting said clips, and spring means tending to hold said guide means outwardly in said frame at the rear side but compressible for positioning the bags.

2,045,679
NECKTIE
William H. Ve Relle, Philadelphia, Pa.
Application September 5, 1933, Serial No. 688,177
1 Claim. (Cl. 2—150)

The method of forming a necktie consisting of bending the ends of a bendable core member over upon itself to form pockets, then securing one end of a neck-band to said core member, then inserting the legs of an inverted U-shaped reinforcing member in said pockets, then inserting a breast-piece into a tubular knot covering with the inside face of the latter outermost, then simultaneously securing one end of the breast-piece and the coinciding end of the knot cover-



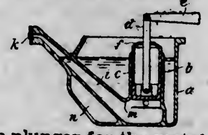
ing to the core member, then drawing said knot covering over the core member as well as the reinforcing member and securing the meeting edges of the opposite end of said knot covering together on the inside of the core member.

2,045,680
METHOD AND MEANS FOR WASHING FRUIT
Edwin M. Wayland, Covesville, Va.
Application October 28, 1930, Serial No. 491,773
8 Claims. (Cl. 146—194)



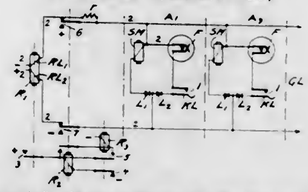
1. The method of washing fruit by floatation to avoid injury thereto which comprises maintaining a body of liquid relatively deep with respect to the floating depth of the fruit to be washed, sequentially producing in the liquid vertical turbulence substantially throughout its subsurface, longitudinal turbulence substantially restricted to its immediate subsurface, counter-vertical turbulence substantially throughout its subsurface, and counter-longitudinal turbulence substantially restricted to its remote subsurface, to produce turbulence of the surface of the liquid and motion thereof from one end of the body of liquid toward the other, floating fruit across said body of liquid to be tumbled about therein and thereby and avoiding deep submersion thereof likely to cause injury by entry of liquid through the calyx tubes of the fruit, and continuously removing fruit from the end of the body toward which it is moved and adding fruit at the other end of the body.

2,045,681
METAL POT FOR MATRIX COMPOSING AND LINE CASTING MACHINES
Christian Augustus Albrecht, Berlin, Germany, assignor to Mergenthaler Linotype Company, Brooklyn, N. Y.
Application February 14, 1934, Serial No. 711,120
In Germany September 29, 1933
2 Claims. (Cl. 22—70)



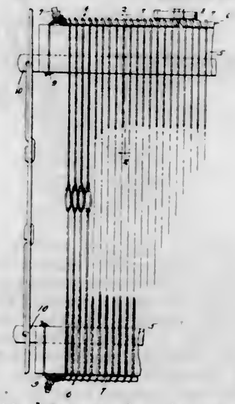
1. A pump plunger for the metal pots of matrix composing and line casting machines, comprising a substantially closed hollow piston provided with an upper wall formed to permit free movement of the plunger rod and yet cleave and shed metal dross when the upper end of the piston is raised above the level of metal in the pot.

2,045,682
AUTOMATIC TELEPHONE SYSTEM
Harald Valdemar Alexandersson, Stockholm, Sweden, assignor to Telefonaktiebolaget L. M. Ericsson, Stockholm, Sweden, a company of Sweden
Application May 26, 1933, Serial No. 673,057
In Germany June 6, 1932
3 Claims. (Cl. 179—17)



1. In a telephone system a two wire party line, a number of telephone stations connected thereto, a controlling arrangement connected to the line and common to the said stations, an impulse sending and an impulse receiving circuit at each of the said stations connected to the double line in parallel with each other, step-by-step switches in the said impulse receiving circuits, and impulse senders in said impulse sending circuits, a rectifier inserted in each impulse receiving circuit, and a rectifier inserted in each impulse sending circuit, the said rectifiers being directed so that the said impulse circuits together with the said controlling arrangement form direct current circuits of opposite directions over the common two wire party line and switching means in the common controlling arrangement allowing a continuous stepping of the different step-by-step switches from an impulse sending circuit during the impulse sending.

2,045,683
EXPANSION TWINE HARNESS
Isaac Andrews, Spartanburg, S. C., assignor to Andrews Company, Spartanburg, S. C.
Application May 28, 1935, Serial No. 23,914
2 Claims. (Cl. 139—91)



1. A twine harness for looms, comprising shafts, a sectional twine heddle mounted on the

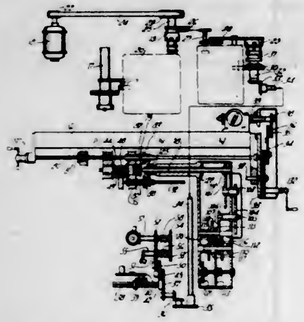
shafts, each section including upper and lower elastic strips to which the twine of the heddle is connected, the ends of the elastic strips extending beyond the side edges of the twine sections and adapted to be extended at right angles, and clamping members adapted to clamp the right angled ends of adjacent heddle sections together.

2,045,684
TWINE HEDDLE
Isaac Andrews, Spartanburg, S. C., assignor to Andrews Company, Spartanburg, S. C.
Application October 1, 1935, Serial No. 43,120
2 Claims. (Cl. 139—93)



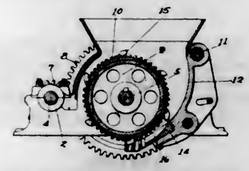
1. A twine harness for looms comprising a plurality of independent twine heddles, each of the twine heddles comprising a pair of twine members, metallic clips connecting the twine members at their ends, metal clips holding the twine members together at points spaced from the first mentioned clips, and providing eyes for the reception of the harness shafts.

2,045,685
TRANSMISSION AND CONTROL MECHANISM FOR MILLING MACHINES
Walter D. Archea, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio
Application May 6, 1935, Serial No. 19,926
22 Claims. (Cl. 90—20)



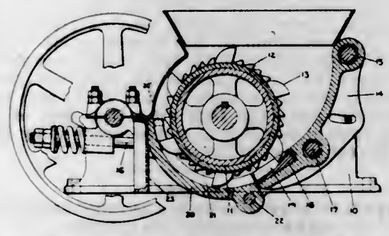
19. In a milling machine having a saddle, a table and an attachment carried thereby, the combination of transmission means for actuating the table and attachment including a power shaft journaled in the saddle, a first rotor connected for driving the table, a second rotor connected for driving the attachment, rate change gearing connecting said second rotor with the attachment, an additional rate change gearing, means to selectively connect either of said rotors for actuation by said additional rate change gearing, a reversing mechanism connecting the remaining rotor and said additional change gearing with said power shaft whereby they may be reversely operated thereby, and additional means in the driving mechanism to said attachment for changing the direction of actuation thereof with respect to the direction of movement of the table.

2,045,686
COAL CRUSHER
Walter J. Armstrong, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company
Application November 2, 1926, Serial No. 145,830
Renewed March 8, 1934
12 Claims. (Cl. 83—53)



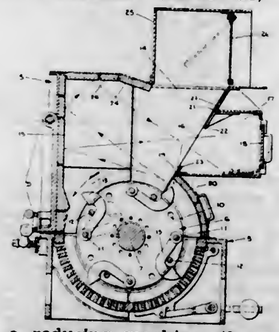
1. In a machine of the class described, the combination with a crushing roll having relatively small crushing teeth and relatively long feeding teeth, of a breaker plate positioned adjacent said roll and forming therewith a downwardly tapering passage through which material may pass to be crushed, grooves in the breaker plate adapted to register with and pass the feeding teeth, and slots extending through the breaker plate and transversely of said grooves adapted to pass fragments of predetermined dimensions as and for the purpose set forth.

2,045,687
REDUCING MACHINE
Walter J. Armstrong, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, Columbus, Ohio, a corporation of Ohio
Application March 21, 1931, Serial No. 524,388
14 Claims. (Cl. 83—53)



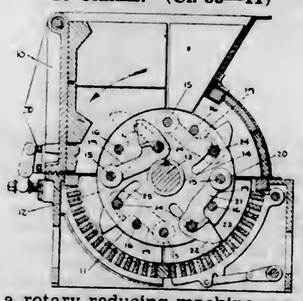
1. In a machine of the class described, said machine comprising a rotor revoluble on a horizontal axis, a plurality of axially spaced teeth on said rotor, and a concave defining a feeding throat and terminating downwardly beneath the rotor, the combination of means in continuation of the concave and extending upwardly to substantially the horizontal plane of the rotor axis on the opposite side of the rotor from the throat and conformed to the rotor periphery, said means being provided with grooves extending in the circumferential direction of the rotor to receive and pass the rotor teeth, and screening means extending transversely of said first named means between the grooves thereof.

2,045,688
REDUCING MACHINE
Walter J. Armstrong, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, Columbus, Ohio, a corporation of Ohio
Application September 19, 1931, Serial No. 563,853
15 Claims. (Cl. 83—11)



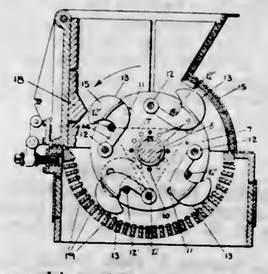
12. In a reducing machine, the combination with a casing having a feed opening in its upper side, of pulverizing mechanism comprising a rotary crusher in the lower portion of said casing and spaced below said feed opening, mechanism affording a discharge opening in one side of said casing between the said feed opening and said rotary crusher and rearwardly of the direction of rotation of said rotary crusher, the inner walls of said casing forwardly of said feed opening with respect to the direction of rotation of said rotary crusher being provided with surfaces in position to receive from said rotary crusher heavy impulverable fragments and deflect them rearwardly across the space between said feed opening and said rotary crusher into said discharge opening.

2,045,689
ROTARY REDUCING MACHINE
Walter J. Armstrong, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application January 28, 1932, Serial No. 589,492
18 Claims. (Cl. 83—11)



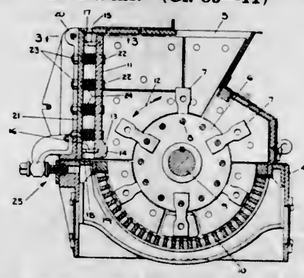
1. In a rotary reducing machine, a rotor, said rotor comprising a beater pivoted thereto to be centrifugally projected upon rotor rotation, another centrifugally projectible member pivoted to said rotor, said beater and member being separate unitary bodies and means connecting said member and beater whereby the centrifugal force of the member is added to that of the beater to assist in sustaining the latter in projected position, said connecting means being remote from the working face of the beater so as not to obstruct the action thereof.

2,045,690
REDUCING MACHINE
Walter J. Armstrong, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application March 15, 1932, Serial No. 599,028
2 Claims. (Cl. 83—11)



1. In a machine of the class described, a rotor body, a beater, said beater having an arm portion and a head portion projecting angularly from the arm portion at one end of the latter, the arm portion being pivoted at its other end to the rotor body with the head portion in trailing relation as regards the direction of rotor rotation, said head portion having a convexly curved working surface extending generally in the longitudinal direction of said arm portion and merging at its end toward the pivoted end of said arm portion with a reentrant boundary surface which merges with said arm portion whereby a substantially hook-shaped beater is provided, said last named surface being curved substantially on an arc having a center substantially at the pivoting axis of said arm portion, and an abutment on the rotor for cooperation with said arm portion and disposed adjacent said arcuate surface, the beater arm portion engaging said abutment upon rotor rotation and being held by the latter within the periphery of the rotor body in parallel relation to a diameter of said body with the head centrifugally projected from the body, said surfaces forming a point at their leading ends, said point being outside of the rotor periphery and being closer to the rotor axis than the medial portion of said working surface when the head is fully projected, the head being movable within the periphery of the rotor body upon counteraction of centrifugal force.

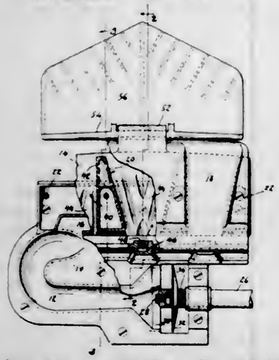
2,045,691
PULVERIZER
Walter J. Armstrong, Columbus, Ohio, assignor to The Jeffrey Manufacturing Company, a corporation of Ohio
Application April 16, 1932, Serial No. 605,689
18 Claims. (Cl. 83—11)



1. In a crusher, the combination with crushing mechanism, of an adjustable supporting

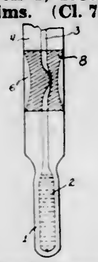
frame, an impact plate on said frame to move therewith and relatively thereto, resilient means uniformly distributed over the back face of said plate including the central portion thereof for causing said plate to vibrate during operation of said crushing mechanism, and mounting means for the resilient means projecting through the plate and extending beyond the front face of the plate while being uniformly distributed over the area thereof and being movable relatively to the plate as the plate vibrates, the said mounting means forming ejector devices for dislodging from the plate particles of material tending to adhere thereto.

2,045,692
GAS BURNER
William Austin Beckett, Kingsville, Ontario, Canada, assignor, by direct and mesne assignments, to F. K. Jasperson, Windsor, Ontario, Canada
Application August 7, 1933, Serial No. 683,969
20 Claims. (Cl. 158—99)



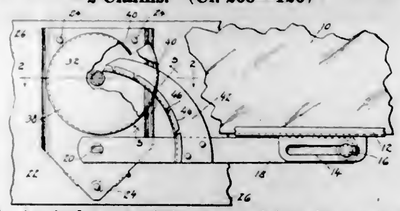
12. A burner comprising, in combination, a main chamber, a plurality of smaller chambers mounted thereon and provided with discharge ports arranged to project the streams of fuel issuing therefrom laterally across the top of said main chamber and toward one another, and a cover plate extending over said orifices and forming with the main chamber and the smaller chambers thereon a plurality of combustion zones between each of the smaller chambers.

2,045,693
THERMOMETER
Simon Broder, Washington, D. C.
Application March 1, 1935, Serial No. 8,919
2 Claims. (Cl. 73—52)



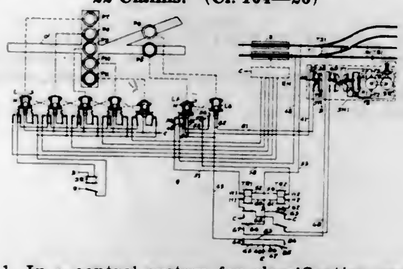
1. A measuring device comprising a body having a bore and a constriction normally non-circular in cross-section in the bore, the material of the device at the point of constriction being such to permit deformation of the cross-section of the constriction.

2,045,694
WINDOW OPERATING MECHANISM
Axel V. Brogren, Detroit, Mich.
Application July 25, 1934, Serial No. 736,874
2 Claims. (Cl. 268—126)



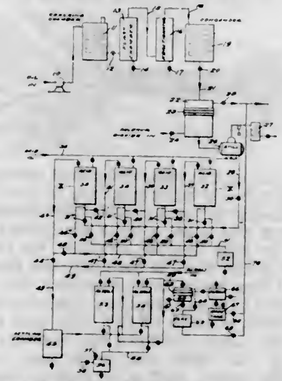
1. A window regulator comprising, in combination with a window support and movable window therein, a lever pivoted at one end to said window support and having its opposite end slidably coupled with said window, a disc rotatably secured to said window support and provided with an axially extending circumferential spiral flange, and an arcuate element fixed at one end to said lever and having its free end extending between said disc and said window support and aranged to clear the axis of rotation of the disc, said arcuate element extending in a plane parallel to the plane of the disc and provided along that edge nearest the axis of the disc with a turned over flange, said flange having a series of spaced slots capable of receiving the circumferential spiral flange of the disc as the latter is rotated.

2,045,695
CONTROL SYSTEM FOR CLASSIFICATION YARDS
Ned C. L. Brown, Scottsville, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application July 31, 1931, Serial No. 554,282
22 Claims. (Cl. 104—26)



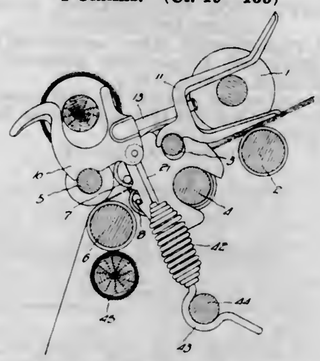
1. In a control system for classification yards, in combination, a classification yard, a control panel marked to simulate the layout of said classification yard, switch control push buttons arranged to represent routes over switches on said control panel, car retarder control push buttons arranged on said control panel in progressive order of retardation at a location thereon to simulate the location of the associated car retarder, individual contacts operated by said push buttons to selectively energize circuits which are effective to distinctively operate associated traffic controlling devices, means in each push button arranged to indicate when the condition of the associated traffic controlling device corresponds thereto, and means interlocking the push buttons associated with each traffic controlling device whereby any one of such interlocked push buttons is retained depressed and is released by a subsequent depression of another push button interlocked therewith.

2,045,696
PROCESS FOR REFINING OIL
Sumner E. Campbell, Long Beach, Calif.
Application January 10, 1930, Serial No. 419,850
Renewed February 15, 1935
4 Claims. (Cl. 196—37)



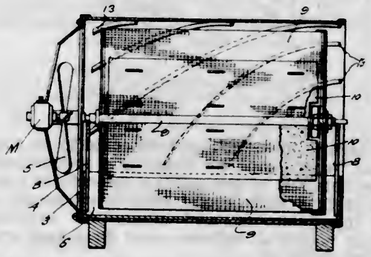
2. A process of preparing an anti-knock fuel which comprises: cracking an oil to obtain distillate therefrom, separating the distillate into two portions by dissolving out unsaturated and other hydrocarbons with liquid sulphur dioxide, removing the sulphur dioxide, treating the extract with dilute sulphuric acid until such acid is substantially exhausted, then treating the distillate freed from mineral acid and mineral acid derivatives with an alkaline solution to absorb the organic acidic impurities and then with concentrated sulphuric acid while at a low temperature, neutralizing the extract, and mixing the extract with the other of said first two portions to obtain a motor fuel free from the basic and acidic impurities in the original oil.

2,045,697
DRAWING MECHANISM FOR TEXTILE ROVINGS
Fernando Casablancas, Sabadell, Spain
Application August 20, 1932, Serial No. 629,711
In Spain December 23, 1931
4 Claims. (Cl. 19—135)



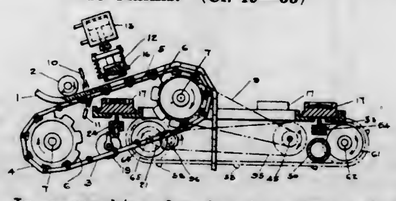
4. A drawing mechanism, comprising rollers, a table below said rollers, a bar below said rollers and extending across the width of the machine, said bar supported in substantially parallel relation with the rollers and in spaced relation above said table, a pressure saddle for engaging certain of said rollers, and pressure means connected to said pressure saddle and ending in a hook adapted to removably engage said bar independently of said table.

2,045,698
AIR CONDITIONING DEVICE
Viggo Christoffersen, Boise, Idaho
Application October 15, 1935, Serial No. 45,152
4 Claims. (Cl. 261—92)



3. An air conditioning device of the class described comprising a horizontally arranged cylinder, a trough slidably arranged in the lower part of the cylinder, uprights at the ends of the trough, a rotor shaft supported by said uprights, vanes carried by the shaft and each vane including an absorbent sheet and mesh covering which extends beyond the outer edge of the sheet, said trough adapted to contain liquid, the level of which is below the sheet and means for forcing air into one end of the cylinder to rotate the vanes and shaft, and said means including a motor driven fan supported from said end of the cylinder.

2,045,699
PROCESS AND MACHINE FOR FORMING GLASS ARTICLES
Albert N. Cramer, Toledo, Ohio, assignor to Alice B. Cramer, Toledo, Ohio
Application June 3, 1932, Serial No. 615,244
18 Claims. (Cl. 49—35)

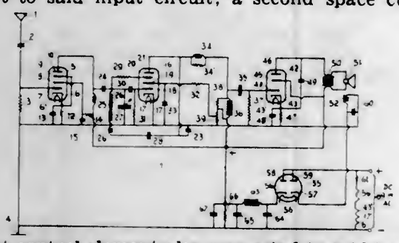


1. In a machine for forming glass articles, means for forming a strip of plastic glass, means for moving said strip in a non-horizontal path, a plunger perpendicularly disposed to said strip for removing a measured portion from said strip, and a mold portion positioned to receive said measured portion, the axis of said mold portion being angularly disposed relative to the axis of said plunger.

2,045,700
RADIO RECEIVING SYSTEM
Henri Francois Dalpayrat, New York, N. Y., assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York
Application February 5, 1935, Serial No. 5,011
10 Claims. (Cl. 250—27)

1. A regenerative radio circuit comprising a space discharge amplifier having output elec-

trodes and a first space current control element; an input circuit connected to said control element; an output circuit connected to said output electrodes; means for feeding back amplified signal current variations from said output circuit to said input circuit; a second space cur-



rent control element also connected to said input circuit; and means for securing a predetermined phase relation of the control potentials applied to said first and second control elements from said input circuit, and means for preventing mutual coupling between said first and second control elements.

2,045,701

DIFFERENTIAL PRESSURE GAUGE

Ralph K. Day, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York

Application May 25, 1934, Serial No. 727,548

2 Claims. (Cl. 73—31)



2. A transparent tube for a differential pressure gauge having a closed end, a partition wall extending longitudinally of the tube, said partition wall having its longitudinal edges sealed to the wall of the tube, said partition wall terminating in spaced relation to the closed end of the tube and forming parallel communicating passages within the tube and graduations on the tube overlying one edge of the partition wall and extending partially over both passages.

2,045,702

PRODUCTION OF HORMONE COMPOUNDS

Wilhelm Dirscherl, Heidelberg, Germany

No Drawing. Application September 28, 1934, Serial No. 745,948. In Great Britain October 6, 1933

9 Claims. (Cl. 260—153)

1. The method of producing dihydrofollicle hormone comprising subjecting a follicle hormone product containing a free carbonyl group and at least three double bonds to the action of hydrogen in a non-acid medium in the presence of a catalyst containing platinum under substantially normal hydrogen pressure.

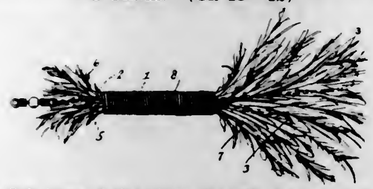
2,045,703

FISH LURE

Claude W. Du Bois, Seattle, Wash.

Application June 25, 1935, Serial No. 28,387

1 Claim. (Cl. 43—42)



A fish lure of the class described comprising an elongated tube of sufficient size to have its bore form a passage for water, a flexible member passing through the tube, a hook connected with the rear end of said flexible member, an eye on the front end of the flexible member, the front end of the tube being restricted to prevent the eye from being pulled through the tube, feathers surrounding the front portion of the tube and projecting beyond the same, feathers surrounding the rear portion of the tube and projecting rearwardly beyond the same, and a wrapping surrounding the tube for holding the feathers in place.

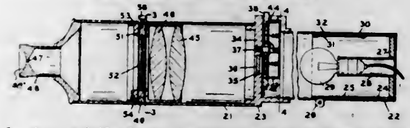
2,045,704

OPHTHALMIC INSTRUMENT

Clarence Errol Ferree and Gertrude Rand Ferree, Baltimore, Md.

Application March 25, 1933, Serial No. 662,743

11 Claims. (Cl. 88—20)



1. An ophthalmic instrument for testing light sense comprising a closed casing having a viewing aperture, means within said casing for selectively and successively providing illuminated pre-exposure and test fields, means for directing all of the light in said fields into an eye placed at said aperture and means for measuring the amount of light which enters the eye.

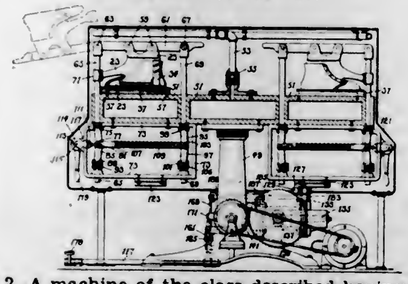
2,045,705

APPARATUS FOR VULCANIZING RUBBER SOLES ON SHOES

Sidney J. Finn, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey

Original application March 19, 1931, Serial No. 523,822. Divided and this application June 28, 1934, Serial No. 732,892

17 Claims. (Cl. 18—17)



2. A machine of the class described having, in combination, a rubber sole mold having an open-

ing, means for pressing the margin of a previously lasted shoe against the rim of the opening and other portions of the bottom against a sole blank in the mold, said means comprising a form having a yielding marginal portion and an unyielding middle portion, and means for vulcanizing the rubber sole blank.

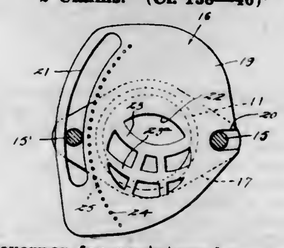
2,045,706

GOVERNOR

Emil J. Giara, Corbin, Ky.

Application August 15, 1935, Serial No. 36,425

2 Claims. (Cl. 138—46)



1. A governor for an internal combustion engine insertible between the confronting flanges carried by the carbureter and the intake manifold secured together by a pair of bolts, comprising a plate having a fuel passage therethrough and a notch in one edge thereof to receive one of the bolts, said plate having an arcuate slot to loosely receive the other bolt, said slot having as an axis the axial center of said one bolt and said plate being adjustable between the flanges about said one bolt upon loosening of the bolts for the length of said slot, said plate also having a plurality of holes therethrough, and a wire threaded through a pair of said holes and engageable with one side of said flanges to limit the adjustment of the plate in one direction.

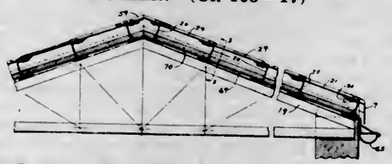
2,045,707

ROOFING CONSTRUCTION

Wilbur J. Hammersley, Cleveland, Ohio

Application January 21, 1932, Serial No. 587,946

3 Claims. (Cl. 108—17)



1. In a roof construction, the combination, with vertically spaced purlins each having an upper flange, of a series of shingles each having an upper and a lower cleat, each of said cleats having a downwardly extending leg spaced from the under surface of its shingle, each upper cleat being arranged adjacent to the upper end of the shingle to which it is attached and the leg thereof being adapted to engage beneath a purlin flange, and each lower cleat being spaced from the lower edge of the shingle to which it is attached, the lower end of the leg of each lower cleat being adapted and arranged to receive the upper edge of a shingle in the next lower course between itself and the under surface of the shingle to which said lower cleat is attached, and each lower leg of each lower cleat being of sufficient length to enable the upper edge of a shingle in the next lower course to be projected into the space between said lower leg and the under surface of its shingle a sufficient distance to disengage the leg of the upper cleat of the said shingle in the said lower course from its purlin flange.

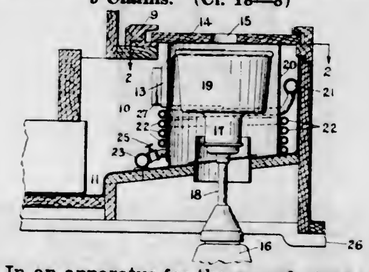
2,045,708

PROCESS AND APPARATUS FOR PRODUCTION OF ARTIFICIAL THREAD

Paul E. Harrison, Dover, N. H., assignor to Du Pont Rayon Company, New York, N. Y., a corporation of Delaware

Application October 6, 1934, Serial No. 747,201

9 Claims. (Cl. 18—8)



1. In an apparatus for the manufacture of artificial threads, a plurality of individual compartments, centrifugal spinning buckets in said compartments, and refrigerating means for regulating the relative humidity of said compartments.

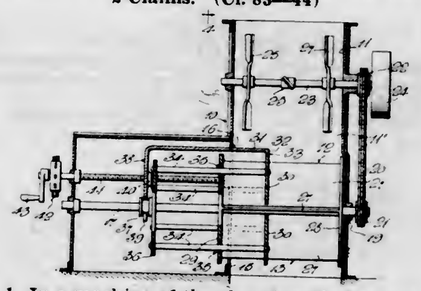
2,045,709

MATERIAL FEEDER

Jesse J. Hartwell, Hutchinson, Kans.

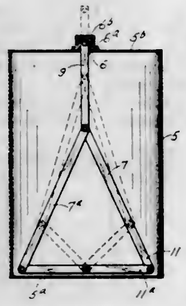
Application February 9, 1935, Serial No. 5,812

2 Claims. (Cl. 83—44)



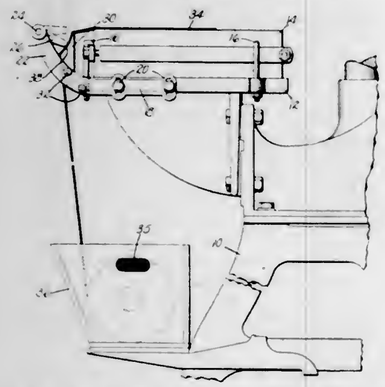
1. In a machine of the class described, a rotatably mounted shaft, two end disks secured on said shaft, radial plates between and secured to said end disks to provide a rotor having peripheral pockets, one of said disks being provided with circumferentially spaced openings between said radial plates, rods parallel with the shaft and passing slidably through said openings, transverse segmental partition plates in said pockets secured to and carried by the inner ends of said rods, said partition plates having peripheral edges concentric with said shaft, a third disk secured to the outer ends of said rods and having a hub slidable on said shaft, a slidably mounted non-rotatable shield plate at the periphery of said one end disk and said third disk and extending over the portions of said pockets between said one end disk and said partition plates, one end of said shield plate being in running contact with said peripheral edges of said partition plates, and means for adjusting said shield plate and said third disk longitudinally of the shaft to vary the effective size of said pockets.

2,045,710
BARREL AGITATOR
Fred H. Haywood, Cleveland, Ohio
Application April 13, 1935, Serial No. 16,220
2 Claims. (Cl. 259—134)



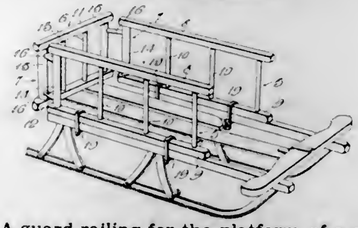
1. In combination with a drum, barrel or analogous container, a device for stirring a solution in the container, comprising a pair of bottom blades and a pair of side blades, the bottom blades being pivotally connected to one another and to the contiguous ends of the side blades, and a handle bar pivotally connected to the opposite ends of the side blades, the lower ends of the bottom blades when contacting with the bottom of the container opening outwardly and together with the side blades assuming a substantially triangular formation, and one or more stop pins connected to certain of the blades to prevent the blades from reaching dead center when in folded position.

2,045,711
WORK SUPPORTING DEVICE
Lester B. Hooper, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application May 14, 1934, Serial No. 725,442
2 Claims. (Cl. 164—79)



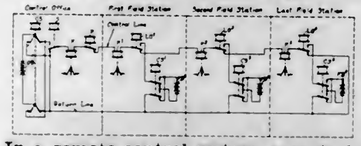
1. A work holding device comprising a work support, an apron extending along one edge of the support and having a concave surface over which sheet material may be drawn, a shaft spaced from the surface, and a plurality of fingers loosely mounted upon the shaft, the lengths of the fingers being greater than the shortest distance between the axis of the shaft and the concave surface.

2,045,712
ADJUSTABLE GUARD RAILING FOR CHILDREN'S SLEDS OR WAGONS
Frank Hornquist, Bradford, Pa.
Application February 13, 1936, Serial No. 63,767
4 Claims. (Cl. 280—1)



1. A guard railing for the platform of a child's sled or wagon, comprising two side sections to extend along the longitudinal edges of the platform, a back section, two corner sections extending from said side sections to said back section, and means pivotally connecting said corner sections on substantially vertical axes to said side and back sections, allowing said corner sections to swing with respect to said side and back sections as said side sections are laterally moved with respect to each other according to the width of the platform with which the railing is to be used.

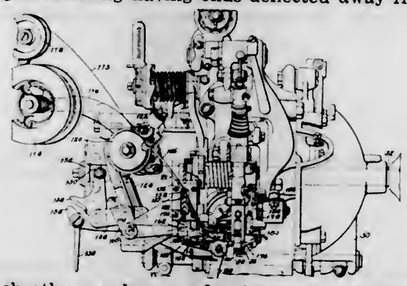
2,045,713
CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS
Thomas J. Judge, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application January 17, 1933, Serial No. 652,176
8 Claims. (Cl. 177—353)



8. In a remote control system, a control office, a plurality of field stations, a two-wire line circuit connecting said control office with said stations, means at said control office for intermittently and reversibly energizing said line circuit from a first source of current in said control office for providing a first series of polar impulses, means at each field station for intermittently and reversibly energizing said line circuit from a second source of current at the associated field station for providing a second series of polar impulses, means at said control office for marking the first impulse of said first series with one polarity, means at each field station for marking the first impulse of said second series with another polarity, and means governed by the first impulse of a series being of said one polarity or said another polarity for determining that said first or said second source of current respectively shall be used for the succeeding impulses of the series.

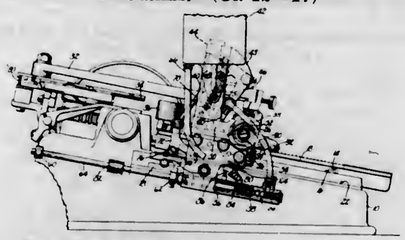
2,045,714
MACHINE FOR USE IN THE MANUFACTURE OF SHOES
Oscar L. Lawson, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application May 11, 1933, Serial No. 670,525
27 Claims. (Cl. 12—2)

1. A machine of the class described having, in combination, means for conforming an upper to the shape of a last and for laying the margin of the upper over a sole on the last, means for forming a fastening having ends deflected away from



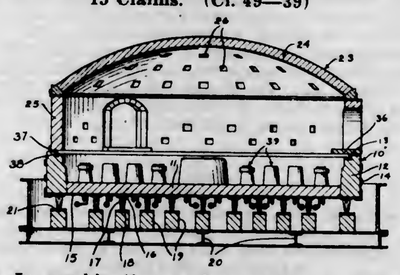
each other, and means for driving the fastening through the upper and into the sole to hold the upper in lasted relation to the sole.

2,045,715
COATING MACHINE
Wilbur L. MacKenzie, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application February 25, 1935, Serial No. 8,003
40 Claims. (Cl. 12—17)



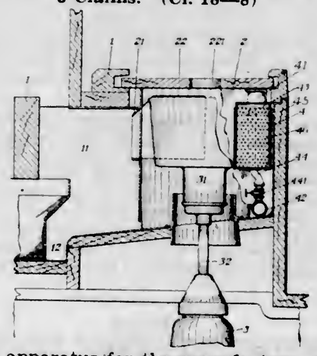
1. In a machine for attaching to a shoe-sole a flap divided therefrom, means for turning the flap away from the sole-face from which it was divided, a support upon which the sole rests to receive the action of the turning means, means for applying an adhesive coating to one of the surfaces separated by said turning means, and means for bringing the opposed surfaces together and for applying pressure thereto.

2,045,716
APPARATUS FOR CASTING LARGE GLASS ARTICLES
George V. McCauley, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a corporation of New York
Application February 28, 1935, Serial No. 8,756
15 Claims. (Cl. 49—39)



5. In combination a glass casting mold having a bottom and upstanding side walls, porous cores extending upwardly from the bottom of the mold in spaced relation to the side walls and to each other and yieldable anchors holding the cores in place in said mold.

2,045,717
HUMIDIFICATION
James W. Mitchell, Kenmore, N. Y., assignor to Du Pont Rayon Company, New York, N. Y., a corporation of Delaware
Application March 13, 1934, Serial No. 715,286
3 Claims. (Cl. 18—8)

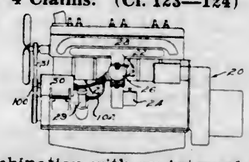


1. An apparatus for the manufacture of artificial thread which comprises bucket compartments connected by an air duct, centrifugal buckets within the compartments, a screen for obstructing the duct, and a water supply tank thereabove connected to said screen whereby water may be flowed over the screen.

2,045,718
METHOD OF PRODUCING ANHYDRIDES OF LOWER FATTY ACIDS
Richard Müller, Hans Hatzig, and Erich Rabald, Mannheim, Germany, assignors to C. F. Boehringer & Soehne G. m. b. H., Mannheim-Waldhof, Germany
No Drawing. Application May 29, 1930, Serial No. 457,533. In Germany June 6, 1929
22 Claims. (Cl. 260—123)

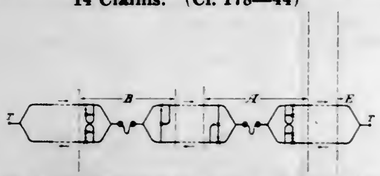
1. The method of producing acetic acid anhydride comprising subjecting acetic acid vapors to a thermic treatment in the presence of a catalytically active solid gel which at 0° C., adsorbs less than 21% chlorine.

2,045,719
INTERNAL COMBUSTION ENGINE
Dougald H. Munro, Detroit, Mich.
Application May 27, 1933, Serial No. 673,140
4 Claims. (Cl. 123—124)



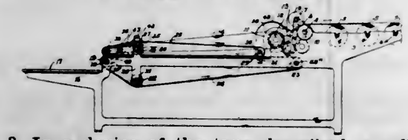
1. In combination with an internal combustion engine having a fuel induction passage and a crank case, a duct connecting said crank case and said passage, valvular means controlling the flow of fluid through said duct, and mechanically driven means in said passage controlling the operation of said valvular means, said mechanically driven means being positioned in the path of fluid flowing from said duct into said passage.

2,045,720
TELEPHONE TRANSMISSION CIRCUIT
Harry Nyquist, Millburn, Sumner Bisbee Wright, South Orange, and Leonard Gladstone Abraham, Madison, N. J., assignors to American Telephone and Telegraph Company, a corporation of New York
Application December 20, 1934, Serial No. 758,508
14 Claims. (Cl. 178—44)



1. In a communication system of several four-wire links connected in series at switching points by two wire cord circuits equipped with echo suppressors, at least one of the two outside links being a PO—RC link, means for suppressing echoes and for preventing lockout, said means being confined to regional centers and consisting of double echo suppressors on the PO—RC links and single terminal echo suppressors at each end of the inner links.

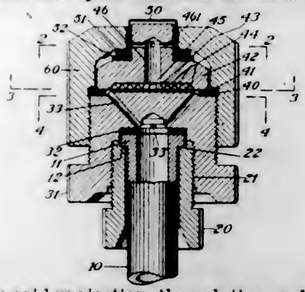
2,045,721
CONVEYING ATTACHMENT FOR PAPER CUTTERS
Jessie Clarence Penwell, Miamisburg, Ohio, assignor to The Miamisburg Paper Company, Miamisburg, Ohio, a corporation of Ohio
Application April 29, 1935, Serial No. 18,942
3 Claims. (Cl. 164—68)



3. In a device of the type described, a roll of paper, a fixed cutting blade in front of said roll of paper, a rotary cylinder in front of said fixed blade, a cutting blade carried by said cylinder for co-action with the fixed blade to sever sheets from said paper roll, a conveyor in front of said cylinder, and a bowed flexible sheet secured at one end to said cylinder behind the blade carried thereby, for wiping contact with the paper, when the cylinder is rotated, to prevent it from adhering to the cylinder and to assist in placing the severed sheets in an orderly manner upon the conveyor.

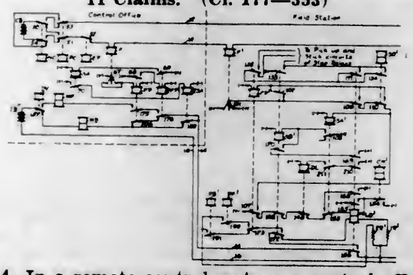
2,045,722
MANUFACTURE OF THREAD
Paul Pierrat and René Picard, Paris, France, assignors to Du Pont Rayon Company, New York, N. Y., a corporation of Delaware
Application April 19, 1933, Serial No. 666,826
In France August 26, 1932
2 Claims. (Cl. 18—8)

1. A spinning jet comprising a pipe capable of transporting viscose, a cap enclosing the end of the said pipe, a head mounted thereon forming with the cap an enclosed space, a filter held between head and cap and dividing the enclosed space, a projection on the head, a spinneret conforming to the shape of the said projection and spaced somewhat therefrom, means to hold the said parts assembled, diverging holes in the cap connecting the said pipe with the said enclosed space, circular lands in the head in position to support the filter, said head being penetrated by a hole leading axially from the said enclosed space, and holes serving to connect the said axial hole with the space between the said spinneret



and the said projection, the relation and arrangement of parts being such that the spinning jet has no large voids wherein viscose may stagnate.

2,045,723
CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS
Neil D. Preston, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application August 18, 1933, Serial No. 685,765
11 Claims. (Cl. 177—353)

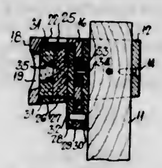


4. In a remote control system, a control office, a first field station, a plurality of other field stations, a communication system connecting said office with said stations, means including said communication system for transmitting indications from each of said stations to said office in response to a change in condition at the corresponding station, a slow acting relay energized in response to the active association of said first station with said communication system, means controlled by said slow acting relay for measuring off a predetermined time interval after said first station is disassociated from active use of said communication system, and means including said slow acting relay for preventing said first station obtaining active association with said communication system as long as any one of said other stations is transmitting indications or as long as any one of said other stations initiates the transmission of indications before said time interval has been measured off.

2,045,724
LOOM PICKER
Thomas K. Rea, Charlotte, N. C., assignor of one-half to Robert G. Spratt, Charlotte, N. C.
Application May 16, 1935, Serial No. 21,768
6 Claims. (Cl. 139—159)

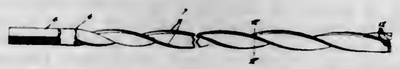
4. A picker for looms comprising a metallic casing having a vertically disposed partition therein

and a removable bifurcated impact receiving in-



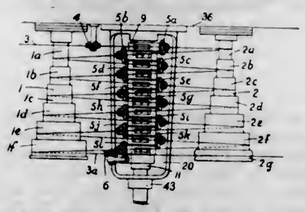
sert having legs simultaneously insertable into said casing on both sides of said partition.

2,045,725
ROCK AND COAL AUGER
Dean Royden Richardson, New Kensington, Pa.
Application April 29, 1935, Serial No. 18,926
1 Claim. (Cl. 255—69)



An auger of the character described comprising a shank having integral with one end thereof an elongated boring head substantially Y-shaped in cross section and tapering longitudinally, with its smallest end integral with said shank, said head being helically twisted to provide three spirally twisted blades continuously along said head, each blade being transversely curved to provide a concaved leading face and a convex cutting face, and with the edges of the branches of said Y beveled to provide for each blade at the junction of the convex face and beveled edge thereof a sharpened cutting edge, and said blades at the largest free end of said head being mutually separated and having beveled end edges to provide at the largest end of the head individual cutting points corresponding in number to the number of said blades.

2,045,726
WIRE DRAWING MACHINE
Samuel Hugh Richards, Harpenden, England
Application January 5, 1934, Serial No. 705,370
In Great Britain January 5, 1933
6 Claims. (Cl. 205—16)

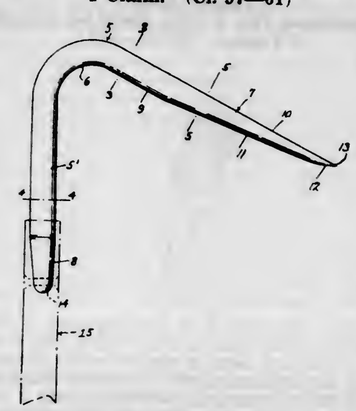


6. In a wire drawing machine, two stepped oppositely rotatable drawing pulleys between which the wire extends in crossed reaches, an elongated cylindrical support parallel with the pulley axes and disposed near the crossing points of the wire reaches, clips adjustably mounted on said support for turning adjustment circumferentially of the same and for adjustment longitudinally thereof, and die-supporting spindles adjustably mounted on said clips and disposed at right angles to the length of said support, said spindles being adjustable in the directions of their lengths and being turnably adjustable about their longitudinal axes, and means for holding said clips and said spindles in adjusted positions.

2,045,727
METHOD OF PURIFYING RICINOLEIC ACID
Theodore H. Rider, Cincinnati, Ohio, assignor to The Wm. S. Merrell Company, Cincinnati, Ohio, a corporation of Ohio
No Drawing. Original application February 11, 1932, Serial No. 592,443. Divided and this application November 7, 1933, Serial No. 697,079
3 Claims. (Cl. 260—122)

1. The method of purifying ricinoleic acid which comprises the steps of dissolving a quantity of the free fatty acids, obtained in known manner from castor oil, in an equal volume of a low molecular weight monohydric alcohol whose partition coefficient between ricinoleic acid and water is such that the said alcohol may be conveniently washed away from the ricinoleic acid with water, then chilling the solution to a low temperature and maintaining said temperature until complete precipitation of the insoluble fatty acids occurs, then filtering out said solid fatty acids, then esterifying the partially purified free fatty acids with an alcohol of the previously described characteristics in the presence of an esterfication catalyst, then removing the excess of said alcohol and distilling the ester in vacuo, then esterifying the alcoholic group in the ricinoleic ester with a compound of the group consisting of lower fatty acids, and the acid anhydrides and chlorides thereof thereby raising the boiling point further above the boiling points of the contaminating esters, then separating the pure ricinoleate derivative by fractional distillation, then saponifying in known manner and liberating the pure ricinoleate by treating the soap with a dilute mineral acid.

2,045,728
GARDEN IMPLEMENT
John B. Ronstadt, Long Beach, Calif., assignor, by decree of court, to Claudia S. Ronstadt, widow
Application September 10, 1934, Serial No. 743,467
1 Claim. (Cl. 97—61)



An implement for loosening soil, comprising a shank, a ground engaging portion and a goose neck portion formed of one piece of material, the shank being straight and having one end merging into one end of the goose neck portion, and the ground engaging portion sloping downwardly and forwardly from the other end of the goose neck portion, the shank and the goose neck portion and the upper portion of the ground engaging part being formed of rounded stock and the remaining portion of the ground engaging

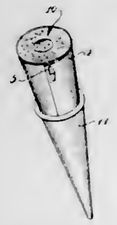
part being flattened and widened with its rear face flat and the front portion of the widened portion being of substantially semi-circular shape and terminating in a point and said ground engaging part gradually decreasing in thickness from the rounded upper portion to the point.

2,045,729
SMALL ELECTRIC MOTOR
Hugo Ruppe, Berlin, Germany, assignor to Ernst Gross, Berlin, Germany
Application April 15, 1935, Serial No. 16,529
In Germany July 12, 1934
12 Claims. (Cl. 172—36)



1. In a small electric motor, a casing of non-magnetic material, an armature mounted in said casing to rotate therein, means for supplying electric energy to said armature, a built-up permanent field magnet arranged in said casing for cooperation with said armature and including a pair of pole pieces at opposite sides of said armature, bars inserted between said pole pieces at one of their ends for connecting the pole pieces, and a spring of non-magnetic material for holding assembled said pole pieces and said bars.

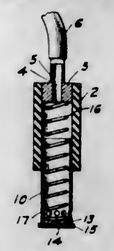
2,045,730
FROZEN CONFECTION AND METHOD OF FORMING AND DISPENSING
George W. Schepman and William W. Merydith, Detroit, Mich.
Application July 1, 1932, Serial No. 620,338
7 Claims. (Cl. 99—137)



1. As a new article of manufacture, a frozen confection comprising a cone shaped edible holder, a preshaped mold of frozen edible substance having a portion thereof of conical shape, said portion protruding into the holder, and a paper jacket surrounding a portion of said frozen mold and terminating at a point above the holder to permit easy removal of the jacket.

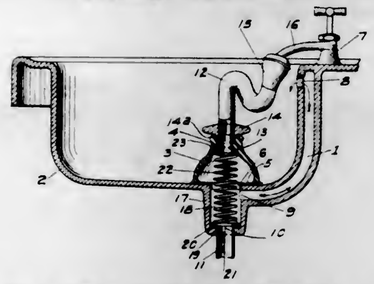
4. A method of the character herein described, comprising the steps of lining only a portion of a mold with an annular layer of protective material, filling a mold with material to be frozen, freezing same, removing the frozen substance and the protective wrapping whereby to leave a portion of the frozen substance protruding beyond the protective wrapping, and then inserting said protruding portion in a holder.

2,045,731
DEVICE FOR CLEANING OUT THE OVERFLOW PASSAGES OF WASHBASINS
Frank Solari, San Diego, Calif.
Application April 17, 1935, Serial No. 16,835
9 Claims. (Cl. 4—256)



1. A device of the kind described comprising closure means insertable within the outlet passage of a basin below its overflow passage entirely closing said outlet passage, a member having a liquid supply passage therethru, there being outlets from said passage leading laterally from said member, said member having a compressible portion around said liquid supply passage and overlying the mouth of said outlet passage connecting said member in a liquid tight manner with said basin outlet passage, and conduit means connecting the liquid supply passage of said member with the spout of a faucet.

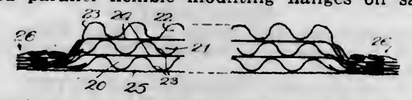
2,045,732
DEVICE FOR CLEANING OUT THE OVERFLOW PASSAGES OF WASHBASINS
Frank Solari, San Diego, Calif.
Application August 7, 1935, Serial No. 35,155
9 Claims. (Cl. 4—256)



1. In a device of the kind described, a cup shaped member having a liquid supply passage therethru, said member having a mouth portion for making a liquid tight connection with the upper end of the outlet passage of a basin, flexible conduit means to connect the liquid passage of said member with the spout of the wash basin's faucet, and a manually grippable collar mounted on said conduit adjacent said member.

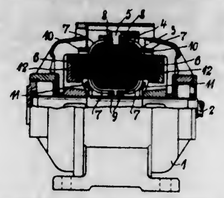
2,045,733
INSULATION STRUCTURE
Allen L. Spafford, Cloquet, Minn., assignor to Wood Conversion Company, Cloquet, Minn., a corporation of Delaware
Application October 16, 1931, Serial No. 569,197
8 Claims. (Cl. 154—45)

1. Insulation comprising in combination a substantially flat-formed pile of corrugated structures having parallel corrugations, means uniting the elements of said pile into a unitary structure, and parallel flexible mounting flanges on said



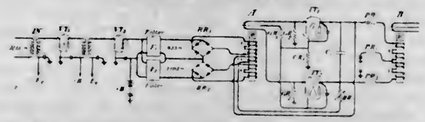
structure running perpendicular to the line of the corrugations.

2,045,734
INDUCTION MOTOR WITH DISK-WOUND STATOR AND ROTOR
Johan Walfred Swendsen, Oslo, Norway
Application January 28, 1935, Serial No. 3,837
In Norway December 4, 1933
6 Claims. (Cl. 172—120)



1. An induction motor comprising a stator having field coils and a rotor having short circuited bars carried thereby said bars having at their ends short circuiting rings thereon encircling the ends of the field coils, and a short circuiting ring adjacent one end of the said bars the total cross section of the said bars between the last mentioned ring and the adjacent end of the bars being smaller than the total cross section of the bars on the other side of the said ring.

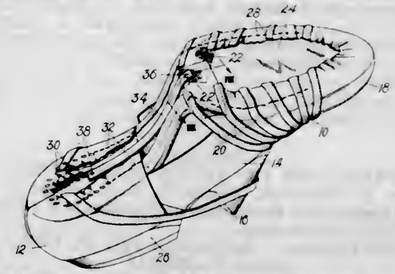
2,045,735
RADIO RECEIVING CIRCUITS
Charles Chance Taylor, Flushing, N. Y., assignor to American Telephone and Telegraph Company, a corporation of New York
Application May 26, 1934, Serial No. 727,797
16 Claims. (Cl. 178—66)



1. In a receiver, a relay responsive to received signals, circuits controlled over alternate contacts of the armature of said relay, each circuit including a translating device, means to produce a potential difference between said translating devices under the control of said armature, and means to impress said potential difference upon a winding of said relay in such direction as to tend to hold the armature of said relay on the contact upon which it is resting.

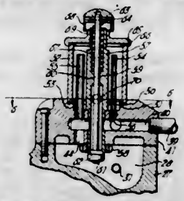
2,045,736
MANUFACTURE OF SHOES
Chester D. Turner, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application August 14, 1935, Serial No. 36,178
8 Claims. (Cl. 12—142)

1. That improvement in methods of making open-shank shoes which consists in forming an open-shank vamp with portions extending beyond the opposite lateral edges of the rear extremities only of its lasting allowance, assembling the vamp with an insole on a last, lasting the vamp and securing its lasting allowance to



the insole, and thereafter securing said extending portions to the insole to reinforce the shoe against strains tending to separate the rear portions of the vamp from the insole.

2,045,737
MACHINE TOOL
Edgar D. Vancil and Frederick S. Haas, Cincinnati, Ohio, assignors to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application June 30, 1932, Serial No. 620,216
14 Claims. (Cl. 184—6)



1. In a device of the class described the combination with a rotatable shaft and bearings therefor, of a lubricant supply line for normally supplying lubricant to the bearings, a lubricant reservoir, a connection between the supply line and reservoir for filling the reservoir from the supply line simultaneously with the supply of lubricant to the bearings, a valve for trapping a quantity of the lubricant in the reservoir controlling its flow therefrom, yieldable means for normally holding the valve to its seat, manually actuable means operable against the resistance of the spring to unseat the valve and release the lubricant in the reservoir to the bearings, and overflow means within the reservoir for discharging the excess lubricant from the reservoir back to the supply line and to the bearings.

2,045,738
MANUFACTURE OF RUBBER ARTICLES CONTAINING COTTON FABRIC
Clarence B. White, Montclair, N. J., assignor to Raybestos-Manhattan, Inc., Passaic, N. J., a corporation of New Jersey
No Drawing. Application October 13, 1934, Serial No. 748,217
6 Claims. (Cl. 91—68)

1. In the manufacture of rubber products containing woven or braided cotton fabric subject to mildew or other fungus growth wherein cotton yarns are woven or braided into a fabric and thereafter processed with rubber, the improvement which comprises saturating said fabric,

prior to processing with rubber, in a solution comprising a rare earth acetate substantially free from rare earth phosphates at a temperature between about 180° F. and 210° F., drying said fabric, treating the dried fabric with a caustic solution to precipitate the rare earth acetate in water insoluble form and to render said fabric resistant to attack by mildew, and thereafter processing said mildew-proofed fabric with rubber to form the desired rubber product.

2,045,739
PYROLYSIS OF ACETIC ANHYDRIDE

Peter J. Wiezevich, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware

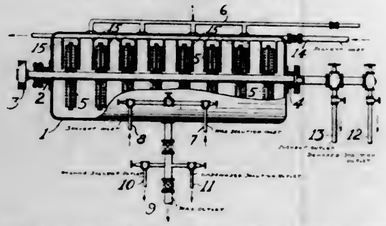
No Drawing. Application July 29, 1932, Serial No. 626,213
5 Claims. (Cl. 260—123)

5. The method of producing ketenes which comprises subjecting organic acid anhydrides to a reaction temperature under dehydrating conditions, introducing into the reacted stream an organic liquid compound substantially insoluble in water and inert to ketene, separating the water settled out and recovering ketene, acid anhydride, and said organic liquid from the remaining materials.

2,045,740
FILTER PRESS

Arthur M. Wilson, Cranford, and Ogden E. Crosby, Linden, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

Application December 30, 1933, Serial No. 704,674
4 Claims. (Cl. 210—200)



1. In combination with a rotary filter press a filter leaf, a filter blanket on said leaf and a ring for keeping the filter blanket in close contact with the filter leaf, and a coarse wire screen rigidly attached to said ring so as to be maintained at a suitable distance from and substantially parallel to the filter blanket whereby the filter cake formed on the blanket is maintained in substantially fixed relationship thereto.

2,045,741
PROCESS OF FORMING A PLASTIC PRODUCT FROM CRACKING COIL TAR

Carl Winning and Robert M. Thomas, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application May 14, 1932, Serial No. 611,432
3 Claims. (Cl. 196—22)

1. Method for preparing a plastic composition comprising treating cracked petroleum tar with aluminum chloride, adding a volatile cracked petroleum product containing unsaturated hydrocarbons during said treatment, causing the resulting sludge to settle, separately withdrawing the resulting supernatant oil layer, distilling said oil and recovering as distillation residue said plastic product.

2,045,742
METHOD OF PRODUCING OILS OF LOW POUR POINT

Carl Winning and Philip L. Young, Elizabeth, N. J., assignors to Standard Oil Development Company

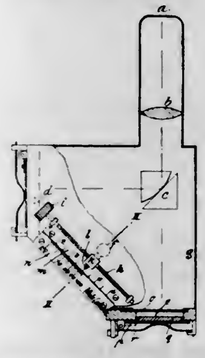
No Drawing. Application July 29, 1932, Serial No. 626,212
6 Claims. (Cl. 196—1)

1. An improved process for reducing the pour point of waxy residual oils containing asphaltic or resinous impurities comprising separating such impurities by solvent precipitation and adding to the purified oil a synthetic pour inhibitor.

2,045,743
COLORIMETER

Emil Witte, Dresden-Loschwitz, Germany

Application October 12, 1933, Serial No. 693,321
In Germany October 15, 1932
1 Claim. (Cl. 88—14)



In a colorimeter for measuring the white contents of pigments a casing, an opening therein adapted to receive an eye-piece, another opening adapted to receive a standard surface, a third opening adapted to receive an observing glass, means for pressing a sample from without onto the said observing glass, a source of light slidably mounted in the casing and arranged so as to illuminate both the said standard surface and the said observing glass under an angle of 45°, a photometric comparison prism in the casing arranged so as to receive the light which is perpendicularly emitted from the said standard surface and the said observing glass, a slot in the casing, an arm passing therethrough and carrying the said source of light, and a pointer attached to the said arm and adapted to slide over a scale.

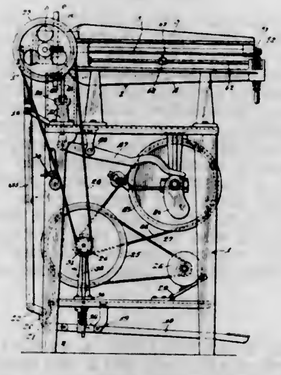
2,045,744
GASKET MAKING APPARATUS

Albert Wood, Battle Creek, Mich.

Application December 28, 1933, Serial No. 704,217
5 Claims. (Cl. 164—61)

2. An apparatus for cutting sheet material comprising a frame having a pair of elongated jaws unconnected with each other at one end forming a deep throat open at one end to receive the sheet material, a pair of rotatable circular cutters mounted at the open end of said frame and cooperating to cut said sheet material passed therebetween, a shaft mounted on and extending longitudinally of said frame, one of said cutters being driven from said shaft, a sheet-

feeding roller driven from said shaft, having a relatively narrow feeding face whereby the sheet material may be handled to effect a curvilinear cut, a motor, driving means from said motor to said shaft, and means including a pedal for connecting and disconnecting said driving means with respect to said shaft whereby a single operator can tend the machine, using both hands to handle the sheet material and using the foot

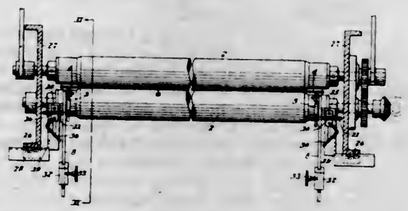


for starting and stopping the cutting and feed of the sheet, said driving means comprising a friction disc mounted on said shaft, and a friction wheel for driving said friction disc, said connecting and disconnecting means comprising means for moving said friction wheel into and out of engagement with respect to said disc.

2,045,745
APPARATUS FOR CUTTING GLASS SHEETS

Albert N. Young, Belle Vernon, Pa., assignor to American Window Glass Company, Pittsburgh, Pa., a corporation of Pennsylvania

Application June 30, 1933, Serial No. 678,444
2 Claims. (Cl. 33—32)

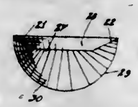


1. Apparatus for continuously scoring a vertically moving glass sheet as it is transported past said apparatus comprising a cutting tool, and means for yieldably supporting said tool in cutting engagement with said glass sheet comprising an angle bracket support, a support therefor, a swivel block adjustably mounted on said bracket, a stud carried by said block, a cutter supporting arm pivotally mounted intermediate its ends on said stud and between the edges of said sheet, means for clamping the cutter to said arm, and means for rotating said arm about its pivot for holding the cutter in engagement with the glass sheet.

2,045,746
PAPER DRINKING CUP

Robert L. Allison, Springfield, Mass., assignor to United States Envelope Company, Springfield, Mass., a corporation of Maine

Application July 13, 1934, Serial No. 735,016
5 Claims. (Cl. 229—1.5)

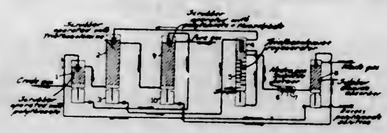


1. As a new article of manufacture, a paper cup having a normally open form with its body extending from an open mouth to a straight line bottom closure of material length, the body of the cup having opposed creases therein extending from each end of the bottom closure to the mouth of the cup, with said creases non-uniformly spaced apart to define opposed walls of unequal area.

2,045,747
REMOVAL OF WEAK ACIDS AND AMMONIA FROM GASES

Hans Baehr, Leuna, Germany, assignor to I. G. Farbenindustrie Aktiengeselischaft, Frankfort-on-the-Main, Germany

Application June 30, 1933, Serial No. 678,357
In Germany July 5, 1932
1 Claim. (Cl. 23—3)



The process for the removal of hydrogen sulfide and ammonia from a gas containing the same, which comprises scrubbing said gas with an aqueous solution of ammonium polythionate, thereby removing ammonia from gas, passing the resulting gas into contact with a substance capable of absorbing hydrogen sulfide and from which hydrogen sulfide can be recovered as such, thereby removing the major portion of the hydrogen sulfide, contacting the resulting gas with the solution of ammonia resulting from the first scrubbing in order to remove the last traces of hydrogen sulfide therefrom, leaving a pure gas, recovering the hydrogen sulfide from the solution of hydrogen sulfide resulting from the second scrubbing, burning the hydrogen sulfide to sulfur dioxide, reacting the sulfur dioxide so formed with the solution obtained from the third scrubbing step to regenerate the same, and recycling said regenerated polythionate solution to the first scrubbing step.

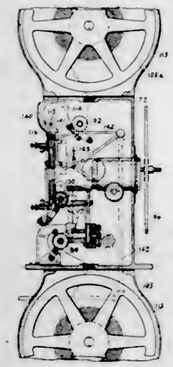
2,045,748
FILM LOOP CONTROL FOR MOTION PICTURE MACHINES

Per Johan Berggren, New York, N. Y.

Original application December 20, 1928, Serial No. 327,200. Divided and this application May 5, 1933, Serial No. 669,518. Renewed December 13, 1935
5 Claims. (Cl. 88—18)

1. In a motion picture projecting apparatus including continuously and intermittently operating film feeding devices, the film being formed into a free loop intermediate said devices, and

means for delivering a compressible gaseous me-



dium within said loop to form an elastic cushion support therefor.

2,045,749

PRODUCTION OF ALKYL PHENOLS FROM PETROLEUM HYDROCARBONS

Hyym E. Buc, Roselle, and Reuben Schuler, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware

No Drawing. Application June 16, 1932, Serial No. 617,604

20 Claims. (Cl. 260—154)

1. Germicidal composition containing in an effective germicidal concentration a mixture of alkyl phenols containing alkyl groups of more than 4 carbon atoms corresponding to the olefines of a petroleum fraction.

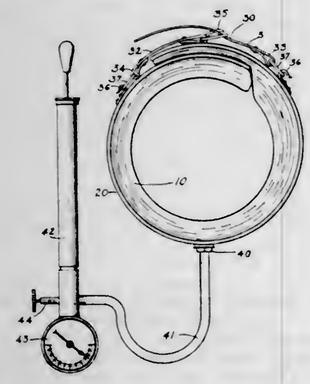
2,045,750

TOURNIQUET

Karl W. Buschenfeldt, Stoughton, Mass.

Application February 8, 1935, Serial No. 5,552

9 Claims. (Cl. 128—327)



1. A tourniquet comprising a distensible member having a slightly arcuate almost flat bearing surface, a metallic support of unyielding sheet metal for the said member disposed about the outer surface thereof, and means for distending the said distensible member.

2,045,751

BRACKET

Gustave Burlein, Huntington Park, Calif.

Original application October 21, 1933, Serial No. 694,607. Divided and this application January 4, 1935, Serial No. 381

6 Claims. (Cl. 88—77)



1. An anti-glare shield for a rear view mirror comprising a sheet of anti-glare material, a wire frame for supporting said shield and bracket means for hingedly supporting said wire frame with respect to a mirror, said bracket means comprising a strip member attachable to the mirror and adapted to extend forwardly therefrom, the forward end of said strip comprising a pair of spaced apart, hooked arms adapted to receive said wire, a bushing on said wire positioned between said arms and spring means extending from said strip and engaging said bushing for retaining said wire against said hooked arms and frictionally resisting rotation of said wire, said bushing being rigidly secured to said wire.

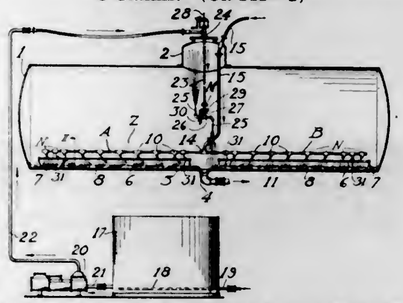
2,045,752

METHOD FOR FREEING A CONTAINER OF ASPHALTIC AND OILY MATERIALS

Arthur B. Butterworth, Brooklyn, N. Y., assignor to Butterworth System, Inc.

Application June 10, 1933, Serial No. 675,235

8 Claims. (Cl. 141—1)



1. The method of cleaning a bottom deposit of fusible material from the interior of a container through a bottom outlet, which comprises initially directing jets of steam under substantial pressure against the bottom deposit and toward the outlet whereby a portion of the bottom deposit is melted and propelled toward the outlet and subsequently, while continuing the injection of steam toward said outlet, directing cleaning liquid in streams with force against the bottom wall of the container whereby the remainder of the bottom deposit is blasted from the wall and washed out of the outlet.

2,045,753

MANUFACTURE OF CAST METAL PIPES AND LIKE ARTICLES CENTRIFUGALLY

Frank Gamble Carrington, Anniston, Ala., assignor to Centrifugal Pipe Corporation, Jersey City, N. J., a corporation of Delaware
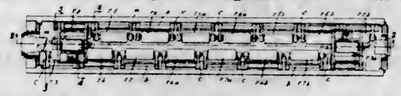
Application December 13, 1934, Serial No. 757,298

In Great Britain December 20, 1933

11 Claims. (Cl. 22—65)

1. A device for supporting a centrifugal pipe mold comprising a series of rollers arranged at

intervals about the circumference of the mold throughout its cylindrical length, said rollers being yieldably supported against the mold and



arranged in groups, each group having the rollers therein differently disposed circumferentially from those in an adjacent group.

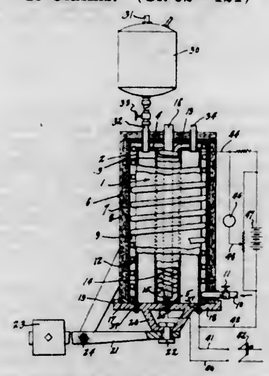
2,045,754

ART OF REFRIGERATION

Walter Gordon Clark, Los Angeles, Calif., assignor to Air Ice Research & Development Corp., Los Angeles, Calif., a corporation of Delaware

Application June 18, 1932, Serial No. 617,936

15 Claims. (Cl. 62—121)



1. In a method of making bodies of solidified refrigerants, the steps of admitting and solidifying a liquid refrigerant in a metallic chamber, measuring the electrical resistance of the walls of said chamber during the admission and solidification of the refrigerant thereinto, and terminating the admission of further quantities of liquid refrigerant into said chamber when the resistance of the walls of the chamber reaches a predetermined minimum.

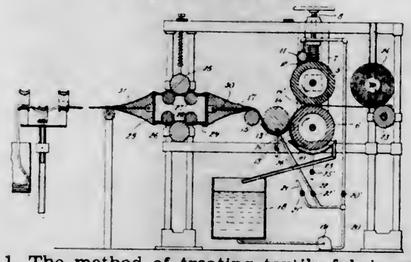
2,045,755

METHOD OF TREATING FABRICS

Samuel Cohn, New York, N. Y., assignor to Samcoe Holding Corporation, New York, N. Y., a corporation of New York

Application March 17, 1932, Serial No. 599,450

5 Claims. (Cl. 8—19)



1. The method of treating textile fabric with a liquid containing chemical treating agents, which comprises passing the fabric through a body of said liquid while the same is maintained in an agitated condition by circulation of liquid to and from said body, and thereafter subjecting the fabric, while both surfaces thereof are in contact with the liquid in circulation to and from said body of liquid, to pressure to expel surplus liquid.

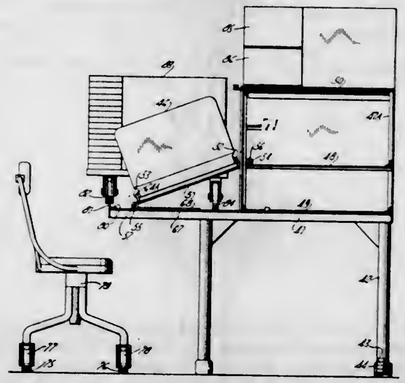
2,045,756

MECHANISM FOR KEEPING RECORDS

Philip H. Cone, Cincinnati, Ohio, assignor to The Cincinnati Milling Machine Co., Cincinnati, Ohio, a corporation of Ohio

Application November 4, 1933, Serial No. 696,692

10 Claims. (Cl. 312—34)



10. In a structure of the character described, the combination with a support, of a unit mounted thereon providing book receiving compartments, book supports disposable within the compartments movable in a contained or projected relation with respect thereto, a cabinet unit mounted on the support for movement transversely of the compartment unit whereby the cabinet may be disposed in juxtaposition to a desired book support, and angularly related guides carried by the main support and respectively engageable with the cabinet and the book support units for determining their relationship during several shiftings thereof.

2,045,757

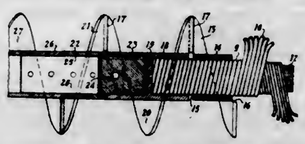
SCREW CONVEYER

Eusebe J. L. F. Constantin, Paris, France, assignor to Fuller Company, a corporation of Delaware

Application June 27, 1935, Serial No. 28,605

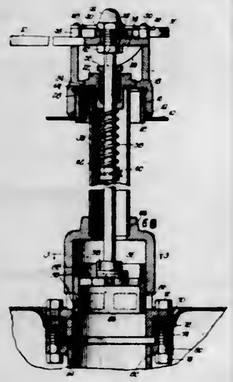
In France July 9, 1934

7 Claims. (Cl. 198—213)



1. A conveyer for pulverulent materials comprising the combination of a casing, a flexible driven shaft arranged within the casing, spaced sleeves secured to the shaft, a flight section of one half a convolution secured to each sleeve and having a flight surface extending beyond the opposite ends of each sleeve, the adjacent flight sections having meeting edges slightly spaced to permit relative movement of said sections, the flight sections forming a substantially continuous conveyer flight.

2,045,758
VALVE
Robert W. Crossen, Jr., Plainfield, Ill., assignor to Farrell Manufacturing Company, Joliet, Ill., a corporation of Illinois
Application November 25, 1931, Serial No. 577,194
9 Claims. (Cl. 137—21)

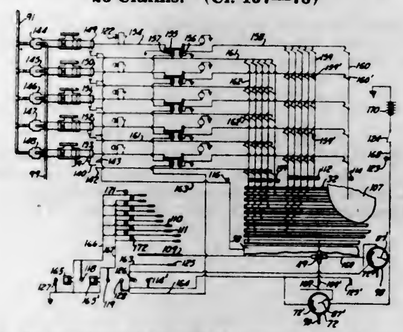


1. In a tank, the combination of a ported valve body disposed adjacent the bottom of said tank, a valve member disposed in said body and movable to control flow through the ports thereof, control means for said valve member disposed adjacent the top of said tank, said means including a fitting secured to and closing an opening in the top of the tank and being provided with a cam member, an operating rod passing through a stuffing box in the fitting and connected to said valve member, a handle rotatably mounted on said rod and provided with a complementary cam portion cooperating with said cam member whereby rotation of said handle moves the valve member through movement induced through relative movements between said cam portion and cam member, resilient means for urging said valve member to closed position, and an auxiliary operating lever rotatable on the rod and operative to cause movement of said valve member.

2,045,759
PROCESS FOR INCREASING THE PRODUCTIVITY OF WELLS
Melvin De Groote, St. Louis, Mo., assignor to Tretolite Company, Webster Groves, Mo., a corporation of Missouri
No Drawing. Application February 17, 1936, Serial No. 64,349
5 Claims. (Cl. 166—21)

1. A process for increasing the productivity of wells, characterized by introducing into the well an emulsified treating medium whose internal phase consists of emulsified, unmixed, hydrochloric acid and nitric acid in at least moderate concentrations, the ratio of unmixed acid being within the range of 5 to 1 or 3 to 1, respectively, on the basis of the original concentrated acids themselves, the external phase of said emulsion consisting of an oily vehicle with a hydrophobe emulsifier, said emulsion being adapted to break after reaching the oil-bearing strata at the bottom of the well, whereupon the unmixed acids will commingle and re-act.

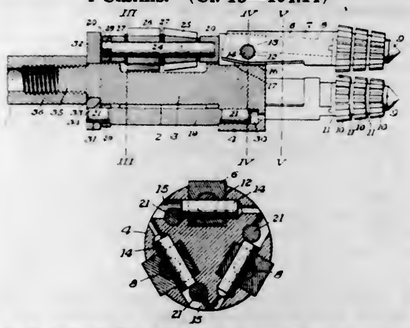
2,045,760
METHOD OF AND APPARATUS FOR CONTROLLING OPERATION OF A GAS TRANSPORTATION LINE
Alfred J. Diescher, Winfield, Kans., assignor of one-half to M. L. R. Diescher, Winfield, Kans.
Application December 6, 1933, Serial No. 701,242
23 Claims. (Cl. 137—78)



1. In combination with a compressor, a prime mover driving the compressor and intake and discharge lines connected with the compressor and having independent supply and discharge sources, and means operable in response to changes in pressure ratio in the intake and discharge lines for controlling operation of the prime mover including means for maintaining a selective predetermined discharge pressure with variable intake pressures.

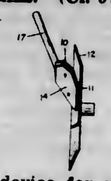
19. In a compressor station, a plurality of compressor units having intake and discharge connections with a pipe line, actuators for actuating the compressor units for establishing pressure differential at the intake and discharge connections, means for controlling the actuators including a plurality of contact elements for each actuator, a movable switch element movable over the contact elements, means operable by said pressure differential to move the switch element over the contact elements for controlling said actuators, and means including a circuit independent of said contact elements for stopping selected units when the pressure differential approaches a predetermined value.

2,045,761
TUBE CLEANER
William S. Elliott, Pittsburgh, Pa., assignor to Elliott Company, Pittsburgh, Pa., a corporation of Pennsylvania
Application December 19, 1932, Serial No. 647,939
4 Claims. (Cl. 15—104.14)



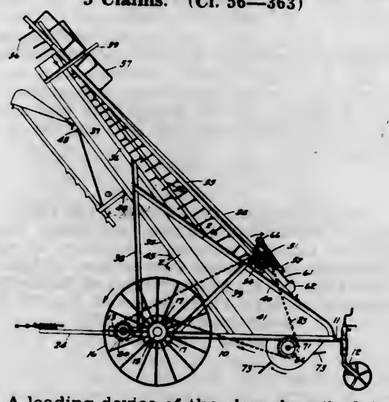
1. A generally axially elongated rotary tube cleaner head comprising a body having a transverse opening therein, a cleaning element carried by said body, pivot means for said cleaning element in said opening, said body having a generally longitudinally extending opening intersecting said first mentioned opening, a second cleaning element carried by said body, and means in said generally longitudinally extending opening maintained in place therein by said second cleaning element for maintaining said pivot means in place in said transverse opening.

2,045,762
CLEANING AND POLISHING PAD FOR DISKS
William Elliott, Beatrice, Nebr., assignor to Dempster Mill Manufacturing Company, Beatrice, Nebr., a corporation of Nebraska
Application March 5, 1935, Serial No. 9,444
6 Claims. (Cl. 97—223)



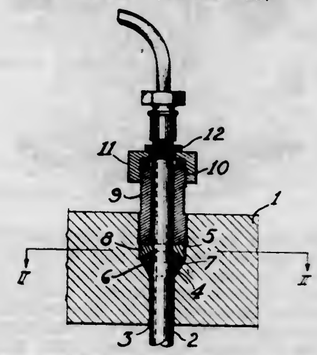
1. A polishing device for rotary soil working tools, said device including a polishing pad and an arm secured thereto and projecting therefrom, said arm being adapted to be secured to the implement frame with only the edge of said polishing pad pressed against the surface of the soil working tool and with the body portion of said polishing pad out of contact with the soil working tool whereby the rotation of the tool against said pad will polish that portion of the tool determined by the circular path of said pad thereover.

2,045,763
HAY LOADER
Charles E. Everett, Racine, Wis., assignor to The Massey-Harris Company, Racine, Wis., a corporation of Maryland
Application October 25, 1935, Serial No. 46,658
5 Claims. (Cl. 56—363)



1. A loading device of the class described, having an inclined elevator frame forming a chute, a number of transversely spaced bars positioned over said chute having at their upper ends guiding and supporting means, a transverse shaft having a number of variously positioned cranks to which the lower ends of said bars are operatively connected, whereby said bars reciprocate at their upper ends and move crank-like at their lower ends, means whereby the material is penetrated and moved upwardly in said chute, said operating connections comprising links having hinged connections at their rear ends to the rear ends of their respective bars and connections at their front ends to their respective cranks, having stops near said hinges whereby said bars are held from moving past a predetermined point from said cranks, springs at said hinges adapted to yieldingly permit said bars to approach said cranks and thereby yieldingly contact the material being loaded.

2,045,764
PYROMETER WELL OR THE LIKE
Harold W. Fisher, Elizabeth, N. J., assignor to Standard-I. G. Company
Application August 18, 1932, Serial No. 629,269
5 Claims. (Cl. 285—46)

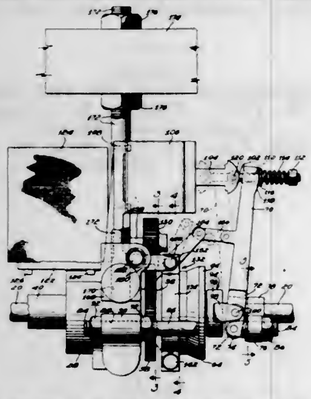


1. A pyrometer well assembly or the like for use on high pressure equipment, comprising a well member having an integrally formed conical shoulder on its outer surface adjacent one end, adapted to be inserted in an opening in the wall of the equipment, a well-encircling member, secured in said opening, adjustable longitudinally of the well member into spaced relation with the shoulder thereon, deformable annular means disposed between said shoulder and the well-encircling member, means adjustably mounted on said well-encircling member, and a stop member on the well operatively associated with the adjustably mounted means whereby when the latter is adjusted the pyrometer well is drawn upwardly to exert pressure jointly against the walls of the opening in the equipment and the lower end of the well-encircling member.

2,045,765
DOOR OPERATOR
John E. W. Fogal, deceased, late of Quincy, Ill., by Anna E. Fogal, executrix, Quincy, Ill., assignor to Anna E. Fogal
Application March 28, 1931, Serial No. 525,955
11 Claims. (Cl. 268—19)

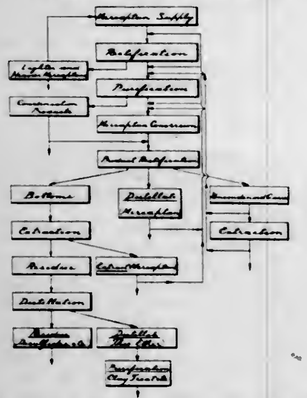
1. The combination with a plurality of warehouse doors of the roll-up type, of a single electric motor, mechanical transmission means in the nature of a drive shaft extending from said motor into proximity with each of said doors, individual mechanical connections associated with each of said doors for connecting and disconnecting that particular door with said transmission means, electrical control means for each individual door, each electrical control means including, first, means for operating said motor to

open the door and simultaneously connecting said door to said transmission, second, means for operating said motor to close the door and simultaneously connecting said door to said transmission, and third, means for stopping said motor and simultaneously disconnecting said door from said transmission, said mechanical connections including brake means for holding said door against movement when it is not connected with said transmission; interlocking connections between the electrical means for all said doors



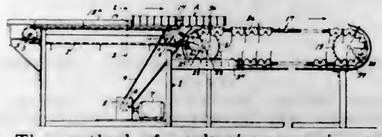
whereby when the motor is operating to open, any door not entirely open may be mechanically connected to said transmission, and whereby when the motor is operating to close, any door not entirely closed may be mechanically connected to said transmission; and individual electrical limit means associated with each door and operative to disconnect said door mechanically at the end of its movement in either direction and to stop said motor when not required for operating some other door.

2,045,766
MERCAPTAN CONVERSION
Per K. Frolich and Peter J. Wiezevich, Elizabeth, N. J., assignors to Standard Oil Development Company, a corporation of Delaware
Application April 8, 1932, Serial No. 603,922
22 Claims. (Cl. 260—16)



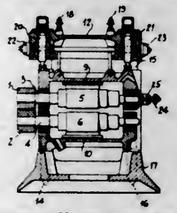
1. The process which comprises passing mercaptans at a reaction temperature over a dehydrunsulfing catalyst under sufficient pressure for substantial conversion into relatively higher molecular weight mercaptans and other organic sulfur compounds.

2,045,767
EGG PACKAGING MACHINE
Frederick G. Funk, Chicago, Ill.
Application July 23, 1934, Serial No. 736,482
8 Claims. (Cl. 226—14)



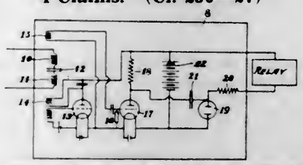
1. The method of packaging eggs in moving cartons comprising continuously aligning empty cartons on a continuously moving support so that the egg pockets therein correspond in arrangement to the pockets of egg-crate fillers, continuously moving filled fillers from a support into superimposed synchronized relation over said moving cartons and in such relation that consecutive rows of eggs from said fillers will drop consecutively from said support into corresponding rows of pockets in said cartons.

2,045,768
HOUSING FOR ROLLING MILLS
Josef Gassen, Dusseldorf, Germany, assignor to Schloemann Aktiengesellschaft, Dusseldorf, Germany, a corporation of Germany
Application December 16, 1932, Serial No. 647,199
In Germany December 28, 1931
9 Claims. (Cl. 80—55)



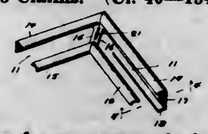
7. In a rolling mill, superposed working rolls, superposed individual electric motors for driving said rolls, and casings enclosing said motors constituting a common housing, the ends of the motor-shafts projecting freely from one side of said housing supporting said rolls outside of said housing.

2,045,769
ELECTRICAL CONTROL CIRCUIT
Heinrich Hermann Geffcken and Hans Rudolf Richter, Leipzig, Germany, assignors, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application May 17, 1929, Serial No. 363,761
In Germany May 31, 1928
4 Claims. (Cl. 250—27)



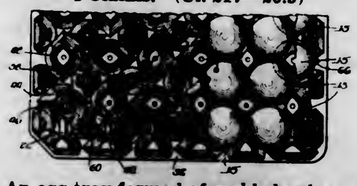
1. In combination, an electric gas discharge device having a pair of electrodes; an impedance and a source of current; said gas discharge device, said impedance and said source being in series; the potential at the junction point between said gas discharge device and said impedance being normally insufficient to effect an ionic discharge through said device; an electrical condenser having one plate thereof connected to said junction point; means for applying controlling potential impulses of momentary duration and of predetermined intensity to the remaining plate of said condenser to vary the potential of said junction point to such an extent as to effect a discharge through said device; a translating device; and means for operating said translating device from the output of said gas discharge device.

2,045,770
PICTURE FRAME AND METHOD OF MAKING THE SAME
Abraham Golden, Chicago, Ill.
Application June 3, 1935, Serial No. 24,647
Renewed May 18, 1936
3 Claims. (Cl. 40—154)



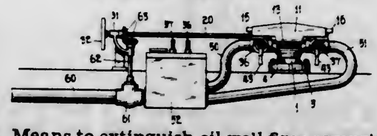
1. A picture frame composed of a single metal strip having beveled ends, and having V-shaped notches along its length forming several sections, the strip having elongated slots extending between the ends of the strip and the adjacent notches, and between the several notches, thereby providing spaced parallel strips extending to the beveled ends of the several sections and connected by webs at said beveled ends of the sections, and there being a flange at one edge of the strip, upon which the strip is bent at the notches with the ends of the strip joining each other and fastened together.

2,045,771
EGG TRAY
George H. Graham, Chicago, Ill., assignor to Orenda Corporation, Chicago, Ill., a corporation of Illinois
Application March 16, 1934, Serial No. 715,863
4 Claims. (Cl. 217—26.5)



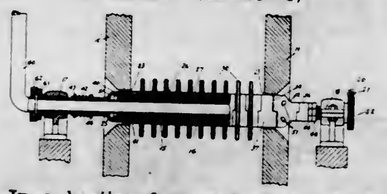
1. An egg tray formed of molded pulp and having on its upper side a plurality of hollowed tapered pillars arranged in rows; tapered depressions centered among groups of said pillars and adjoining them and having walls which are substantially continuations of the walls of said pillars where the pillars and depressions adjoin one another, each group of said pillars and associated depressions being so shaped and spaced as to form a seat for an egg for supporting the egg by contact of said seat with spaced points on the egg near its lower end; the insides of said upstanding pillars forming on the other side of said tray when the tray is inverted tapered egg receiving pockets each having side walls so spaced as to support an egg by contacting with the egg near its lower end; said tray being so shaped that when it is rested on another such tray with respect to which it is turned at right angles the said depression of the upper tray rests on the said pillars of the lower tray and the pockets on the bottom of the upper tray are positioned above the seats on the lower tray to receive the upper ends of the eggs on said lower tray, said trays being substantially spaced apart at substantially all points except where said pillars and depressions contact, whereby air may circulate freely between said trays and around the portions of the eggs therebetween, said pockets and depressions being distinctly noncircular in horizontal cross-section to prevent an egg from sealing closed the ends thereof.

2,045,772
MEANS FOR EXTINGUISHING OIL WELL FIRES
John Nelson Hasse, St. Peters, South Australia, Australia
Application March 28, 1935, Serial No. 13,465
9 Claims. (Cl. 169—4)



1. Means to extinguish oil well fires comprising; a tubular body fitted to the top of the well casing, a pair of slidable doors adapted to close the top of the body, means to operate the doors, valves communicating with the body, means to operate the valves so that when the doors close the valves open, pipes connecting the valves with a chamber, a feed line from the chamber to a storage reservoir, pipes connecting the chamber with sources of fire extinguishing liquid, and a valve in the feed line connected to open simultaneously with the valves in the hollow body.

2,045,773
HEATING FURNACE
Joseph P. Havey, New York, N. Y., assignor to The Babcock & Wilcox Tube Company, West Mayfield, Pa., a corporation of Pennsylvania
Application June 13, 1928, Serial No. 284,891
17 Claims. (Cl. 263—6)



1. In a heating furnace having spaced side walls, a work supporting and feeding roll extending across the furnace chamber between the side walls of the chamber, said roll comprising a hollow shaft, work-carrying means adapted to operate at substantially furnace temperature comprising a sleeve the internal diameter of which is substantially greater than the external diameter of the shaft and a plurality of work supporting discs mounted on said sleeve, and collars adjacent the ends of said sleeve for supporting the sleeve on the shaft in coaxial relation thereto, the end portions of said sleeve extending into and terminating within roll openings in

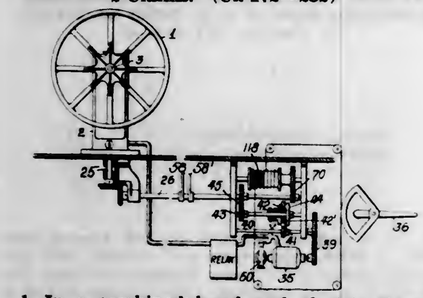
the side walls, and the end portions of the shaft extending beyond the ends of the sleeve and beyond the side walls to serve as journals for the roll.

2,045,774
FOUNTAIN PEN
Herman C. Hirschy, Long Beach, Calif.
Application November 19, 1934, Serial No. 753,572
18 Claims. (Cl. 120—42)



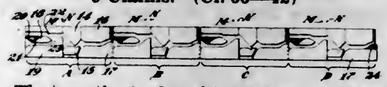
1. A fountain pen comprising a barrel, a pen stock mounted in one end thereof and having a portion extending upwardly into the barrel, a cartridge removably received in the barrel and having a discharge opening, said pen stock having a duct therein for conducting the ink from the cartridge to the pen point, a valve normally closing said discharge opening and adapted to be opened by the pen stock, when the cartridge is inserted into the barrel, and slidable means for preventing leakage of the ink from said duct.

2,045,775
HAND ELECTRIC STEERING DEVICE FOR SHIPS
Frederick S. Hodgman, Glen Rock, N. J., assignor to Sperry Gyroscope Company, Inc., Brooklyn, N. Y., a corporation of New York
Application August 24, 1934, Serial No. 741,259
2 Claims. (Cl. 172—282)



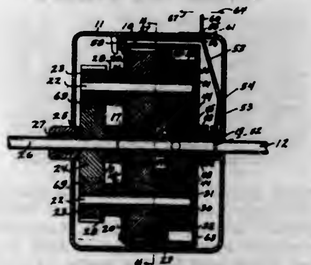
1. In a combined hand and electric steering gear, the combination with the usual hand wheel and rudder, of a lost motion connection between the wheel and rudder comprising a differential gear train having three arms, one arm of which is turned from said hand wheel and another arm is connected to the rudder, a lost motion connection between said hand wheel and said second arm, a pair of opposed spring pressed contact plungers adjacent said third arm, a yielding member on said third arm adapted to strike either one or the other of said plungers when said arm is turned in one or the other direction, said plungers also acting as positive stops for said third arm in each direction, a motor controlled thereby for operating the rudder, the aforesaid connection between said differential and the rudder serving as a follow-back to said contacts from said motor, and an electric clutch between said motor and rudder, whereby said motor is disconnected when the electric circuit fails or is disconnected.

2,045,776
METHOD OF AND MEANS FOR MAKING KNITTED FABRICS
Laurence B. Holt, Laconia, N. H., assignor to Scott & Williams, Incorporated, New York, N. Y., a corporation of Massachusetts
Application January 18, 1933, Serial No. 652,313
9 Claims. (Cl. 66—42)



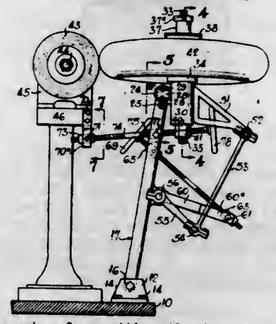
1. That method of making fabric of the class described which comprises as steps dividing a series of knitting needles into two sets, the needles of one set alternating with those of the other, causing the entire series to move relatively to a plurality of successive yarn feeds, delivering two yarns at each feed, causing the needles of one set always to take and knit both yarns at a plurality of such successive feeds while causing some at least of the needles of the second set always to take and knit but one of the yarns at certain of said feeds and others of said second set to form tuck loops at certain of said feeds, and thereafter causing the second set of needles to knit both yarns at each of a plurality of such successive feeds while causing certain needles of the first set to take and knit but one of the yarns delivered at certain of said latter feeds and causing others of said first set of needles to form tuck loops at certain of said latter feeds.

2,045,777
HYDRAULIC TRANSMISSION
Harry F. Hull, Cherokee, Iowa
Application June 11, 1934, Serial No. 729,951
14 Claims. (Cl. 74—294)



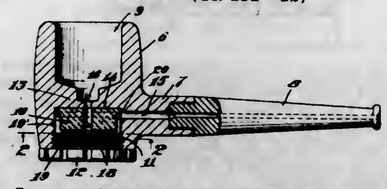
1. A power transmission comprising a drive shaft, a driven shaft, inner gears attached to the shafts, a revolving casing including outer gears adapted to mesh with the inner gears, and means for locking the outer gears including brake drums attached to the outer gears, means for braking the drums hydraulically including brake bands surrounding the drums, arms attached to the bands, and pistons adapted to be forced against the arms by virtue of hydraulic forcing of oil by the gears within the casing thereagainst.

2,045,778
MACHINE FOR REMOVING TREAD FROM TIRE CASINGS
Wade H. Huntley and Levy B. Medlin, Monroe, N. C.
Application May 29, 1935, Serial No. 24,160
4 Claims. (Cl. 51—97)



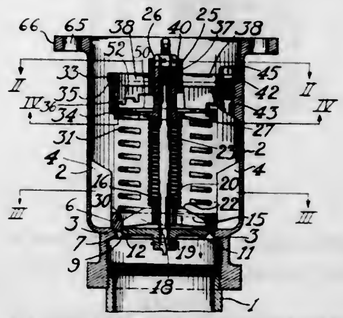
1. Apparatus for cutting the tread portion from the periphery of a tire casing comprising a rotary cutting tool, a pivoted frame, means for supporting a tire casing for rotation, a bent shaft having one leg thereof supporting said tire supporting means, the other leg of said shaft being mounted in the free end of said frame, means for adjusting the frame to position the tire casing with relation to the cutting tool to determine the portion of the tread engaged by the cutting tool, means for adjusting said shaft to position the tire casing with relation to the plane of rotation of the cutting tool and means for adjusting the casing supporting means on said bent shaft whereby the rotation of the cutting tool will impart rotation to the tire casing to feed the uncut portions of the tread successively to the cutting tool.

2,045,779
SMOKER'S PIPE
Danji Ikeda, Torrance, Calif.
Application July 17, 1934, Serial No. 735,587
2 Claims. (Cl. 131—12)



2. In a smoker's pipe, a bowl at its upper and lower ends, a partition dividing the bowl into two compartments the upper of which is for tobacco, said partition having a smoke passage therethrough, a pipe stem extended from the bowl and having a passage therein communicating with the lowermost compartment of the bowl, a removable absorbent member within the lowermost compartment and a removable plug closing the open end of the lower compartment and holding said member against said partition, said absorbent member having a passage extending centrally therethrough and registering with the passage in said partition, said member having a circumferential groove registering with the pipe stem passage, and also provided with grooves extending radially from the lower end of the central passage then upwardly into said circumferential groove.

2,045,780
PRESSURE VACUUM VALVE
George H. Jett, Brooklyn, N. Y., assignor to Butterworth System Incorporated
Application July 28, 1934, Serial No. 737,360
5 Claims. (Cl. 277—45)

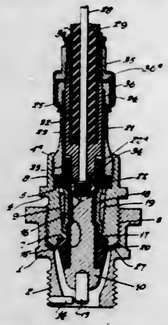


2. In a compound double-action valve, the combination of a valve-seat element provided with means for connection to the end of a conduit, and having on that side which is to face away from the conduit a cylindrical frame supporting a hub the through axis of which is situated centrally relatively to the valve seating, the cylindrical frame having shouldered portions disposed in stepped relation longitudinally of the frame, a valve of the mushroom type mounted concentrically in the valve seat and having an external seating face cooperating with the valve seat to open outward and an internal seating face and a throughway provided with a valve-seating on that side which is toward the conduit, a second mushroom-valve mounted concentrically relatively to the first and bedding on this second valve-seating to open inward, said valve having a stem which extends outward perpendicularly from it and passes through the hub as a guide and is provided with an abutment, a compression spring operating between the abutment and the outwardly opening valve, a cylindrical collar having a shoulder adapted to engage with a given shouldered portion of the cylindrical frame whereby the collar is adjusted longitudinally of the cylindrical frame, and a second compression spring thrust at one end against the cylindrical collar and controlled at the other end by the outwardly opening valve.

2,045,781
SPARK PLUG
Armen A. Kasarjian, Philadelphia, Pa., assignor to Mosler Ignition Corporation, New York, N. Y., a corporation of New York
Application July 11, 1929, Serial No. 377,572
4 Claims. (Cl. 123—169)

1. A spark plug embodying a tubular metallic part, the bore of which has an outwardly flaring wall, a central electrode extending axially through said part and having a reduced cross section for a portion of its length, an insulating sleeve embracing the central electrode, a metal sleeve embracing the insulating sleeve, and a tubular wedge interposed between the flaring wall and the metallic sleeve and engaging said wall with sufficient force to press the metallic and insulating sleeves into conformity with the reduced portion of the central electrode for the purpose of making a gas tight joint and to secure

the electrode against relative longitudinal move-

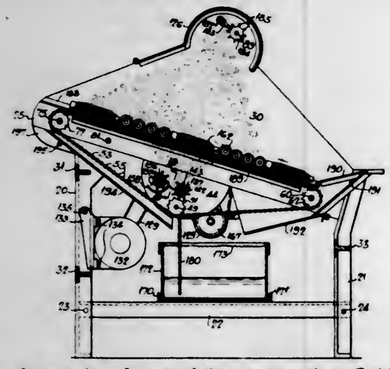


ment with respect to the metallic part of the plug.

2,045,782
FOOD PRODUCT AND METHOD OF MAKING THE SAME
William P. Kesel, Valley Stream, N. Y.
No Drawing. Application July 30, 1931, Serial No. 554,077
3 Claims. (Cl. 99—11)

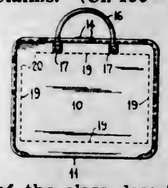
2. A method of making a combination food product, the major portion of which consists of butter fats, said method consisting of mixing malt with milk or cream in the liquid state and then churning the mixture to form a solid product having a texture simulating that of plain butter.

2,045,783
APPARATUS FOR APPLYING TREATING FLUID TO TEXTILE FIBERS
Homer V. Lang, Charlotte, N. C.
Application July 16, 1934, Serial No. 735,464
16 Claims. (Cl. 8—19)



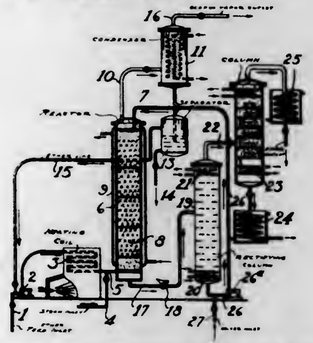
1. Apparatus for applying a treating fluid to packages of yarn comprising an endless perforated conveyor for conveying packages of yarn through the apparatus, a rotary member disposed above the conveyor, means independent of said rotary member for feeding the treating solution onto the rotary member for projection onto the packages of yarn, a second rotary member disposed below the conveyor, means for feeding the treating fluid to the second rotary member for projection onto the bottom of the packages of yarn, a source of treating fluid and means for returning surplus treating fluid to said source.

2,045,784
REST MAT
Hyman Leve, New York, N. Y.
Application January 24, 1935, Serial No. 3,258
4 Claims. (Cl. 190—42)



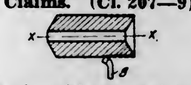
1. A device of the class described, a foldable carrying case, a pliable sheet, and a collapsible cushion, said pliable sheet being attachable to an inner face of said carrying case, and said cushion being disposed between the pliable sheet and the inner surface of the carrying case so united, said pliable sheet being of such proportions when spread to accommodate a person.

2,045,785
PROCESS FOR CONVERTING ETHERS TO ALCOHOLS
Warren K. Lewis, Newton, Mass., assignor to Standard Oil Development Company, a corporation of Delaware
Application December 28, 1934, Serial No. 759,559
17 Claims. (Cl. 260—156)



1. A process for converting aliphatic ethers to alcohols comprising subjecting an ether to hydration in the presence of a dilute aqueous acidic catalyst at an elevated temperature and a pressure in excess of 225 lbs. per square inch sufficient to substantially prevent concentration of the acidic catalyst.

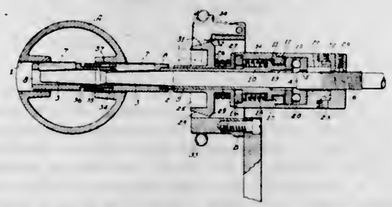
2,045,786
METHOD OF MAKING TUBES BY EXTRUSION
Hugo Lorant, Dusseldorf, Germany, assignor to Schloemann Aktiengesellschaft, Dusseldorf, Germany, a corporation of Germany
Application April 3, 1935, Serial No. 14,416
In Germany April 13, 1934
2 Claims. (Cl. 207—9)



1. A method of making metal tubes by extrusion, comprising piercing a hole through a billet by the mandrel of an extrusion press, removing the pierced billet from the press, then shaping

the outer surface of the billet concentric with the axis of its hole, and finally extruding the turned billet after its reinsertion into a press.

2,045,787
TOOL FOR ROLLING MULTIPLE BEARING SURFACES
Graves R. Maupin, Moberly, Mo., assignor to The J. Faessler Mfg. Co., a partnership consisting of Christiana Faessler, Elizabeth Faessler, Louis E. Faessler, and Graves R. Maupin, Moberly, Mo.
Original application July 5, 1934, Serial No. 733,732. Divided and this application November 4, 1935, Serial No. 48,145
8 Claims. (Cl. 29—90)



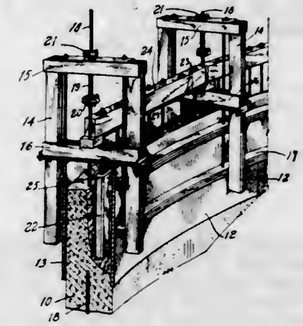
1. In a tool for rolling a plurality of substantially equal curvature cylindrical bearing surfaces in unison, a mandrel having a plurality of longitudinally spaced tapered portions; a cage mounted on and engaging each of said individual tapered portions; expanding rollers in each cage and spaced apart a distance to correspond with the spacing between said bearing surfaces; means for adjusting said cages longitudinally; and means for actuating said rollers in unison to operably engage all of said bearing surfaces.

2,045,788
FUEL FOR HIGH PRESSURE LIQUID FUEL INJECTION ENGINES
George M. Maverick, Elizabeth, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application July 11, 1933, Serial No. 679,891
1 Claim. (Cl. 44—9)

A fuel for Diesel and other high pressure liquid fuel injection engines which comprises a major proportion of a light hydrocarbon liquid having a viscosity substantially as great as that of gas oil and containing 0.5 to 5.0% of a compound containing a substantial amount of chemically combined sulfur in a reactive condition, said fuel also containing about 0.5 to 2.0% of a compound of a metal of the group consisting of tin and lead, which compound is capable of reacting with the sulfur compound to give increased lubricity.

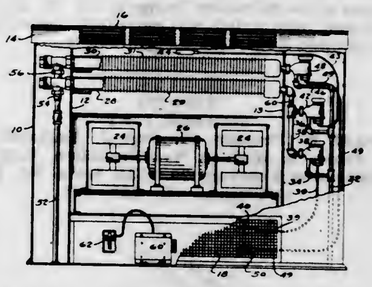
2,045,789
ELEVATING FORM FOR CASTING HOLLOW CONCRETE WALLS
James T. McDowell, Denver, Colo.
Application June 28, 1935, Serial No. 28,831
3 Claims. (Cl. 25—131)

1. An elevating form for continuously casting a hollow concrete wall comprising: a pair of H-frames, the legs of which extend downwardly over each face of said wall, an inner form plate extending between the legs on the inner face of the wall; an outer form plate extending between the legs on the outer face of the wall; a cross beam extending between said H-frames over said wall; a series of pairs of vertical rods extending downwardly from said cross beams; and a core form



surrounding each pair of rods between said face plates.

2,045,790
UNIT HEATER CONTROL
John T. Midyette, Jr., Brooklyn, N. Y., assignor to Minneapolis-Honeywell Regulator Company, Minneapolis, Minn., a corporation of Delaware
Application April 23, 1934, Serial No. 721,925
6 Claims. (Cl. 236—38)

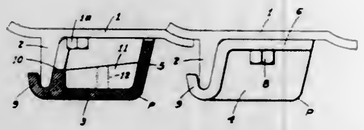


1. A heating and ventilating system of the class described comprising in combination, a casing having an air outlet connecting with an enclosed space and having an air inlet opening connecting with the outside air, means for circulating air through the casing, first and second radiators in the casing arranged to have the circulated air pass over the first radiator and then over the second radiator, means responsive to the temperature of the space and to the temperature of the air leaving the casing controlling the admission of heat to the first radiator, and means responsive solely to the temperature of the space controlling the admission of heat to the second radiator.

2,045,791
PREPARATION FOR TREATING PLANTS
Edward P. Naus, Minneapolis, Minn.
No Drawing. Application July 29, 1933, Serial No. 682,887
3 Claims. (Cl. 167—29)

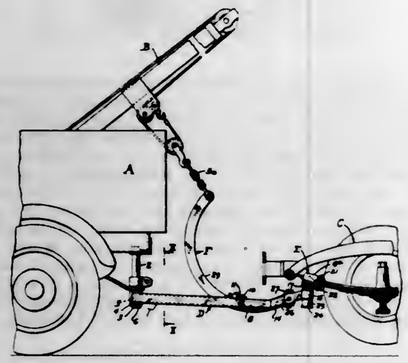
1. A preparation for treating plants, trees and shrubs against the ravages of bugs, insects and plant diseases, consisting of a finely pulverized coal tar pitch which is dusted or blown directly onto the plants, and has the inherent characteristic of adhering thereto for an indefinite period.

2,045,792
STREET PLATE FOR CRAWLER TYPE TRACTOR SHOES
George W. O'Connor, Sacramento, Calif.
Application August 10, 1935, Serial No. 35,645
1 Claim. (Cl. 305—10)



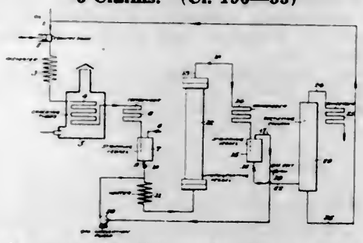
An integral street plate for detachable engagement with a tractor track shoe having a transversely extending grouser, comprising a smooth bearing face plate adapted to ride the street surface and hold the grouser of the tractor shoe clear of contact with the street, end walls and a side wall on the face plate and adapted to extend from said plate to the face of the track shoe, flanges extending outwardly from the end walls and adapted to be secured in face to face contact with the face of the track shoe, an upturned flange along one edge of the face plate adapted to engage the grouser on the track shoe, a rib extending upwardly from the face plate parallel to said flange and spaced a distance therefrom to form a groove into which the grouser of the track shoe may be received, reinforcing webs extending between the rib and side wall, and reinforcing ribs extending between the first named webs and the end walls.

2,045,793
TOWING LIFT
Howard B. Pearson, Newton J. England, and James A. Madden, San Francisco, Calif.
Application February 20, 1935, Serial No. 7,456
12 Claims. (Cl. 214—86)



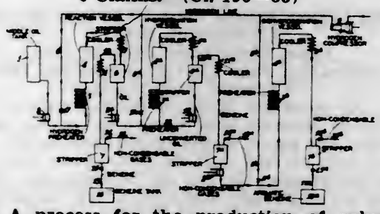
1. The combination with a towing car having a lifting crane, of a pair of arms attached to the car and extending rearwardly therefrom, said arms at the point of attachment being free to swing horizontally and vertically independently of each other, detachable means on the outer ends of said arms adapted to be secured to a car to be towed, said securing means and arms forming a towing connection, and curved arms connected with the outer ends of the arms whereby the car to be towed may be lifted by the crane.

2,045,794
CONVERSION OF LIQUID CARBONACEOUS MATERIALS OF HIGH BOILING POINT RANGE
Mathias Pier, Heidelberg, Germany, assignor, by mesne assignments, to Standard-I. G. Company, Linden, N. J., a corporation of Delaware
Application July 8, 1929, Serial No. 376,861
In Germany July 13, 1928
3 Claims. (Cl. 196—53)



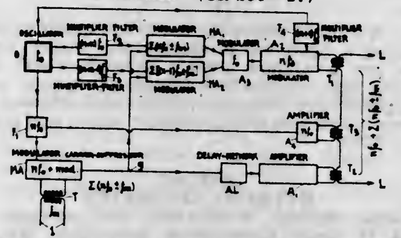
1. A process for the production of low boiling liquid hydrocarbons rich in aromatic constituents from liquid carbonaceous materials of high boiling point which do not yield low boiling products rich in aromatics by cracking alone, which comprises subjecting said high boiling materials to cracking at a temperature between 450 and 650° C. at such a high rate of throughput that no far reaching formation of benzine takes place and said materials are placed in a condition in which they are more amenable to destructive hydrogenation, separating from the total resulting cracked product any benzine formed, subjecting all the remainder of the total cracked product prior to recirculation of any portion thereof to the cracking zone, to destructive hydrogenation at a temperature and pressure on the order of those usually employed for destructive hydrogenation to thereby place the heavier constituents of said remainder in a condition in which they can be further cracked to low boiling hydrocarbons, separating from the product of destructive hydrogenation any benzine formed and directly subjecting the remainder of the destructive hydrogenation product to a further cracking to produce low boiling hydrocarbons rich in aromatics, whereby the initial material is substantially completely converted into benzine by alternate subjection to said two types of conversion.

2,045,795
PRODUCTION OF HYDROCARBONS OF LOW BOILING POINT
Mathias Pier, Heidelberg, and Friedrich Ringer and Walter Simon, Ludwigshafen-on-the-Rhine, Germany, assignors to Standard-I. G. Company, Linden, N. J., a corporation of Delaware
Application July 13, 1932, Serial No. 622,314
In Germany July 16, 1931
2 Claims. (Cl. 196—53)



1. A process for the production of valuable liquid hydrocarbons of low boiling point from higher boiling hydrocarbons which comprises heating a hydrocarbon oil boiling at least as high as middle oil and which mainly consists of hydrocarbons practically saturated with hydrogen, to a temperature between 500° and 800° C. under a pressure of at least 50 atmospheres while maintaining a partial pressure of said hydrocarbon oil of more than 10 per cent of the total pressure, for a length of time sufficient that said hydrocarbon oil is converted into a hydrocarbon product of which at least the essential part boils within the boiling point range of middle oil and which contains considerable amounts of cyclic hydrocarbons not saturated with hydrogen, then subjecting this hydrocarbon product to strong hydrogenating conditions at a temperature between 300° and 500° C. while maintaining a partial pressure of this hydrocarbon product of less than 10 per cent of the total pressure, said product thus being converted into a benzine-like hydrocarbon oil of low boiling point which is practically saturated with hydrogen, and then dehydrogenating the said benzine-like hydrocarbon oil by treatment at a temperature between 500° and 750° C. in the presence of a dehydrogenating catalyst while maintaining a partial pressure of said benzine-like hydrocarbon oil of at least 10 per cent of the total pressure.

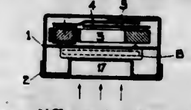
2,045,796
METHOD FOR RADIO TRANSMISSION
Jozef Plebanski, Warsaw, Poland, assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York
Application December 7, 1934, Serial No. 756,397
In Poland January 20, 1934
9 Claims. (Cl. 250—17)



1. A method of signalling which consists in modulating a carrier wave in accordance with a modulating wave to produce modulated and unmodulated components, suppressing the unmodulated carrier component, reconstructing an unmodulated carrier component varying in proportion to the strength of said modulating wave from energies derived from the carrier wave and modulated component, and combining said reconstructed unmodulated component with said modulated component to secure a modulated carrier wave having a substantially constant ratio of its modulated and unmodulated components.

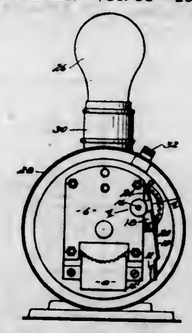
2,045,797
ILLUMINATION METER
Ernst Presser, Berlin, Germany, assignor to Radio Patents Corporation, New York, N. Y., a corporation of New York
Application December 26, 1933, Serial No. 704,060
In Germany November 22, 1932
9 Claims. (Cl. 88—23)

1. A photographic exposure meter comprising a casing, a photoelectric element mounted therein, said photoelectric element having a flat light sensitive surface and being capable of generating an electric current when struck by light, an electric measuring instrument having an indicating scale also mounted in said casing and being electrically connected to said photoelectric element, a removable cover for said casing disposed opposite said light sensitive surface, means whereby said cover member acts as a screen for shutting off a predetermined fraction of the amount of light incident upon said light sensitive surface



for securing two different measuring scale ranges of said instrument when said cover is applied and removed, respectively, said cover being furthermore arranged in sliding engagement with said case, and a plurality of adjacent cooperating scales on said cover and said casing for evaluating the readings of said instrument in terms of exposure control values for a photographic camera.

2,045,798
COMBINED ALARM CLOCK AND LIGHT
Thomas Andrew Purvis, St. Joseph, Mo., assignor of one-half to Sadie Putter, St. Joseph, Mo.
Application March 23, 1935, Serial No. 12,676
4 Claims. (Cl. 58—19)

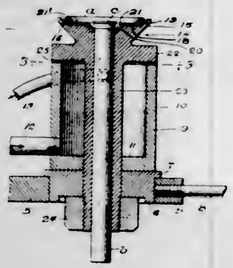


2. In combination with an electrically operated clockwork having a case, an electromagnet, a pivotally mounted vibrator arm operable thereby, and means releasable by the clockwork at a predetermined selected time for holding said arm against operation by the electromagnet, of an electric lamp mounted on the case, and an electric circuit for the lamp having a switch therein closable by the vibrator arm as the latter is being operated by the electromagnet of the clockwork, said switch comprising a fixed contact member and a flexible finger movable thereagainst by the movement of said vibrator arm about its pivotal mounting when the latter is operated by the electromagnet of the clockwork, said electromagnet being of sufficient strength to maintain the said flexible finger under tension against the fixed contact member as the arm is vibrating.

2,045,799
FORM FOR USE IN FABRICATING MOTOR VALVES
George R. Rich, Battle Creek, Mich.
Application October 8, 1935, Serial No. 44,131
7 Claims. (Cl. 113—59)

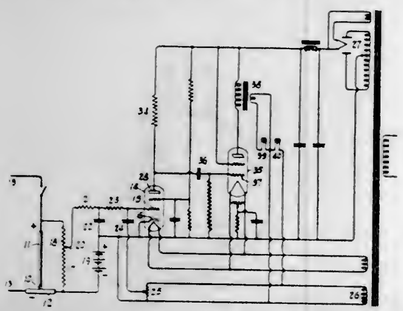
7. A form for use in fabricating motor valves composed of a cup, a rod and a cast metal insert,

comprising a body portion on which the cup is supported with the rod suspended from the cup, a sleeve projecting down from the body portion and



adapted to receive the rod, and a water jacket for the body portion and sleeve, and water inlet and outlet pipes for the water jacket.

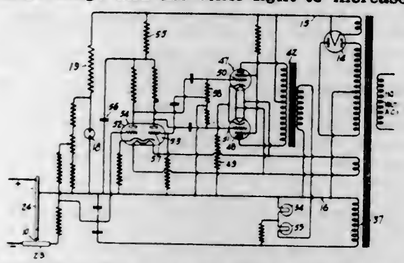
2,045,800
ARC LENGTH INDICATOR
Walther Richter, Wauwatosa, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application June 8, 1934, Serial No. 729,590
7 Claims. (Cl. 177—311)



1. An indicating means for unidirectional voltages comprising means for producing an alternating voltage of predetermined value, means to produce alternating current values in response to said predetermined value but modified in accordance with variations in said unidirectional voltages to constitute a measure for said unidirectional voltages and means responsive to said alternating current values to indicate the values of said unidirectional voltages.

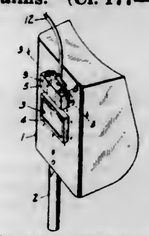
2,045,801
VOLTAGE INDICATOR
Walther Richter, Wauwatosa, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application June 19, 1935, Serial No. 27,301
5 Claims. (Cl. 177—311)

1. A device for indicating to an arc welding operator the voltage of his welding arc comprising a pair of light sources mounted within the range of vision of said operator, and means responsive to the arc voltage to cause one of said lights to increase in illumination from none as the arc voltage increases above a given selected voltage range and the other light to increase in



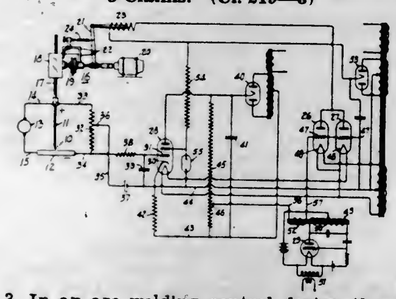
illumination from none as the arc voltage decreases below said selected voltage range.

2,045,802
ARC WELDING SHIELD
Walther Richter, Wauwatosa, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application June 19, 1935, Serial No. 27,302
7 Claims. (Cl. 177—311)



3. A welding shield for use in arc welding comprising a hood for protecting the welder from the arc, a window therein through which the welder may observe the welding operations, and a light source attached thereto and disposed to give a visible signal to the welder within said hood.

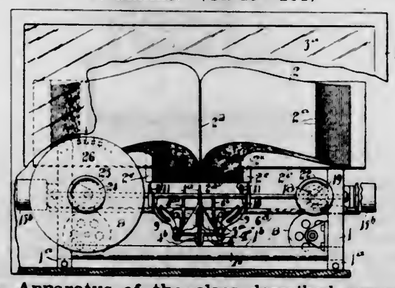
2,045,803
WELDING APPARATUS
Walther Richter, Wauwatosa, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a corporation of New York
Application August 26, 1935, Serial No. 37,876
5 Claims. (Cl. 219—8)



3. In an arc welding control device, the combination of an electrically controlled welding electrode feeding device, electronic power tubes connected to provide current to start and stop said feeding device, an electronic amplifying tube connected to exert a control upon the current supplied by said power tubes in accordance with a characteristic of the welding arc, and means

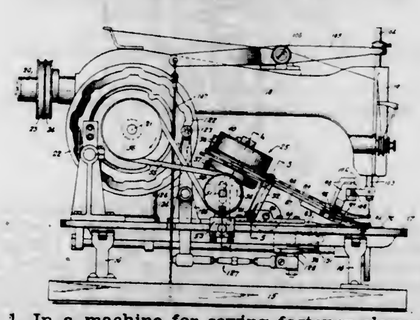
for impressing upon said current an alternating current value of a predetermined frequency and magnitude so selected to cause said feeding device to start and stop in a succession of vibrating actions in accordance with the alternations of said alternating current.

2,045,804
MECHANISM FOR SELECTING PAGES AND TURNING LEAVES OF A BOOK
Michael Rosenthal, Rudolf D. Delamere, and Harvey Milton Rutter, Toronto, Ontario, Canada; said Delamere and said Rutter assignors to said Rosenthal
Application October 4, 1935, Serial No. 43,638
17 Claims. (Cl. 40—104)



1. Apparatus of the class described comprising means for spreading apart the leaves of a book; means for shifting the spreading means to position the latter for spreading apart any desired leaves; and means for actuating the spreading means to cause the latter to engage the predetermined leaves and spread them apart.

2,045,805
MACHINE FOR ATTACHING SNAP FASTENERS
David Silberman, New York, N. Y., assignor to Waldes Koh-I-Noor, Inc., Long Island City, N. Y., a corporation of New York
Application March 2, 1936, Serial No. 66,510
19 Claims. (Cl. 112—106)

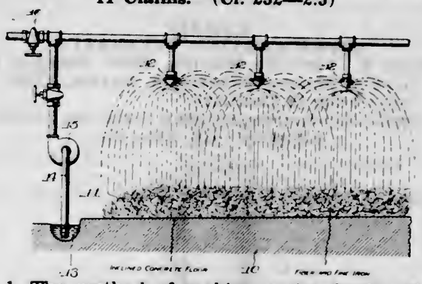


1. In a machine for sewing fastener elements to material, the combination of sewing mechanism including a needle, a feeding unit for delivering the fastener elements to the sewing mechanism including a hopper for supplying fastener elements, a chute connected at its upper end to said hopper for conveying the fastener elements supplied by the hopper and a presser foot member attached to the lower end of said chute for positioning the fastener elements delivered by said chute in proper relation with the needle of the sewing mechanism, and means for moving said feeding unit as a whole during the operation of the machine to bring the holes of the end fastener element in said presser foot member successively into the path of the sewing needle.

2,045,806
POUR POINT DEPRESSANT OF HIGH STRENGTH AND PROCESS FOR PREPARING SAME
Reginald G. Sloane, Elizabeth, N. J., assignor to Standard Oil Development Company
No Drawing. Application December 29, 1931, Serial No. 583,795
3 Claims. (Cl. 87—9)

1. An improved process for separating highly active substances for depressing the pour point of waxy lubricating oils from a crude depressor obtained by low temperature aluminum chloride condensation of waxy hydrocarbons, comprising separating inactive materials from the crude depressor by extraction in a solvent of the class of wax precipitants.

2,045,807
OXIDATION OF IRON
Arthur L. Smyly, Chicago, Ill.
Application November 2, 1933, Serial No. 696,317
11 Claims. (Cl. 252—2.5)



1. The method of making active ferric oxide hydrate for the desulphurization of gases which comprises grinding iron to grains of at least 50 mesh, mixing said grains with a carrier in a bed of shallow depth, sprinkling aerated water over said bed sufficiently rapidly to prevent depletion of oxygen in the water draining from the bed, and draining away the said water from the bed, said process being continued while iron as such remains in the bed, whereby an active type of oxide is formed and the formation of an inactive type is avoided.

5. In the method of corroding iron to iron oxide in the presence of an ultimate carrier for said oxide, the steps of mixing iron grains and said carrier, and adding water, calcium oxide and iron sulphate, whereby the resulting precipitate of iron hydroxide and calcium sulphate anchors the iron grains to the carrier.

2,045,808
MANUFACTURE OF IRON OXIDE
Arthur L. Smyly, Chicago, Ill.
Application November 2, 1933, Serial No. 696,318
13 Claims. (Cl. 252—2.5)

10. The process of converting iron substantially all to ferric oxide which comprises grinding the iron to fine powder, suspending and agitating the iron powder in water in the presence of oxygen dissolved in the water until all the iron while suspended has been corroded substantially all to

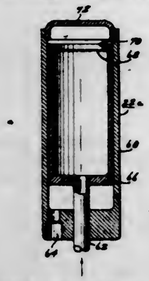
a mixture of ferric oxide and unstable blue green ferro-ferric hydrate, and completing oxidation of said unstable oxide to ferric oxide.

2,045,809
REFRIGERATING APPARATUS
Otto M. Summers, Dayton, Ohio, assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application October 31, 1928, Serial No. 316,331
Renewed June 5, 1935
4 Claims. (Cl. 74—233)



1. A transmission belt formed of separate flat uniform single layers of bias fabric, cord fabric, and rubber filler strip and having a single separate layer of cord fabric provided with a single separate layer of bias fabric upon one side and provided with a single uniform generally flat separate layer of rubber filler strip and a single separate layer of bias fabric on the other side.

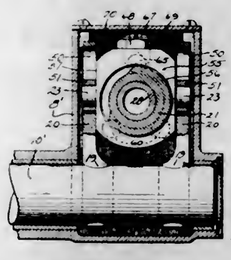
2,045,810
REFRIGERATING APPARATUS
Ralph L. Tweedale, Dayton, Ohio, assignor to General Motors Corporation, Dayton, Ohio, a corporation of Delaware
Application October 19, 1934, Serial No. 749,025
6 Claims. (Cl. 138—42)



1. In a refrigerating system, a restrictor for controlling the flow of refrigerant from the high side to the low side comprising an outer cylindrical member, an inner cylindrical member, one of said members having a groove adjacent a surface of the other of said members and forming therewith a passage of small cross-sectional area and relatively great length, means forming a wall in said inner member to block communication through said member between its ends, and inlet and outlet conduits in one end of said outer member, one of said conduits extending through said wall forming means.

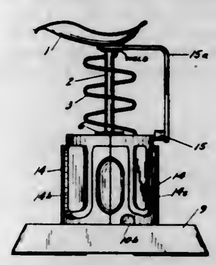
2,045,811
STEERING GEAR
B. Wickliffe Twyman, Indianapolis, Ind., assignor to Lavine Gear Company, Milwaukee, Wis., a corporation of Wisconsin
Application March 18, 1933, Serial No. 661,481
3 Claims. (Cl. 74—499)

1. A steering gear comprising the combination with a casing having rock shaft bearings in its opposite sides adjacent its bottom, having worm cam bearings in its ends and having an open top provided with a closure plate, of a rock shaft oscillatable in said rock shaft bearings and having no portion within said casing larger than one of said bearings, through which said shaft projects, said rock shaft having axially spaced transverse bores between said bearings, a pair of spaced arms having base portions socketed in the respective bores of the rock shaft and receivable



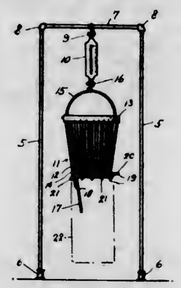
therein through the open top of said casing, said arms being bifurcated, aligned trunnions engaged in the bifurcations of said arms, trunnion carrier means movable axially from said worm cam bearings, a worm cam mounted in said bearings between said arms, and cam follower means meshing with said worm cam and so disposed symmetrically about said trunnion carrier means that the resultant line of thrust of the worm cam thereon will be intersected by the axis of the aligned trunnions.

2,045,812
PRACTICING MACHINE FOR ADJUSTERS
Carl A. Upson, Hammond, Ind.
Application February 18, 1935, Serial No. 7,052
20 Claims. (Cl. 35—17)



1. An apparatus for practicing chiropractic adjusting movements comprising a base, a vertical column erected thereon, a thrust rod slidingly mounted within the column, a head united to the top of the rod, an angular arm rigidly united to the rod and having a downward extension spaced from the rod, a plunger united to the downward extension, vertical circular plates surrounding the rod and spaced therefrom having substantially U-shaped grooves formed in their outer faces, said grooves being adapted to receive and guide the plunger through downward, transverse and upward travel successively, and resilient means to resist the downward and rotative travel of the rod and to return it to its normal position at the end of the thrust and torque strokes thereof.

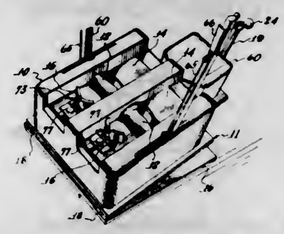
2,045,813
COMBINATION WEIGHER, SCREENER, AND SACKER
Roland M. Waterbury, Hobart, Okla.
Application October 9, 1934, Serial No. 747,613
2 Claims. (Cl. 226—58)



1. A basket for use with a scale and a sack for weighing, cleaning and sifting granular material, said basket comprising a peripheral wall consisting of circumferentially spaced slats, an annular frame secured to the upper ends of said slats, a second annular frame of a diameter less than the diameter of the first annular frame secured to the lower ends of said slats, a bail secured at its respective opposite ends to the first named frame at diametrically opposite sides of the latter and provided with means for connection with a scale, for suspending the basket from the scale, a bottom member for the basket hinged to the lower frame, an angular latch rod pivotally mounted on the lower frame and having an end engageable with the bottom for releasably securing the latter in a closed position with respect to the basket and a second end serving as a handle for the latch member, and a series of circumferentially spaced hooks mounted on the lower frame for engagement with the mouth of a sack for detachably securing the sack to the lower end of the basket.

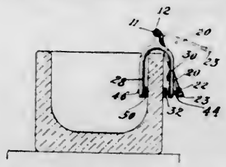
2,045,814
APPARATUS FOR MASSAGING AND EXERCISING THE FEET
Albert K. Werler, Chicago, Ill.
Application July 8, 1935, Serial No. 30,269
11 Claims. (Cl. 128—57)

11. An apparatus for massaging the foot comprising a foot support vertically adjustable to



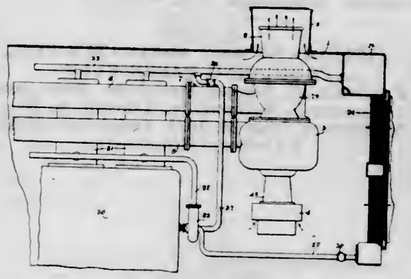
vary the intensity of the massaging action on the foot and adapt the apparatus to conform to varying sizes of feet, a roller shaped to conform substantially to the transverse arch of the foot, means for guiding said roller for reciprocable movement in an arcuate path conforming substantially to a longitudinal section taken through the metatarsal arch, and means for rotating said roller and simultaneously moving said roller in said arcuate path.

2,045,815
COMBINED BATHTUB SAFETY GRIP AND TOWEL RACK
Rudolph Wiesjahn, New York, N. Y.
Application December 28, 1935, Serial No. 56,482
11 Claims. (Cl. 4—185)



1. A combined bath tub safety hand rail and towel rack adapted to be demountably arranged on the wall of the bath tub comprising a frame, a cross bar arranged in the frame and disposed above the wall of the tub, a second cross bar depending from the first mentioned bar, parallel thereto, and swingable thereabout and means for securing the frame to the bath tub wall including opposed tub engaging plates having soft pliable insets, said insets provided with an annular collar and a threaded adjusting member operatively arranged in the frame, one of said plates swivelly arranged on said threaded adjusting member.

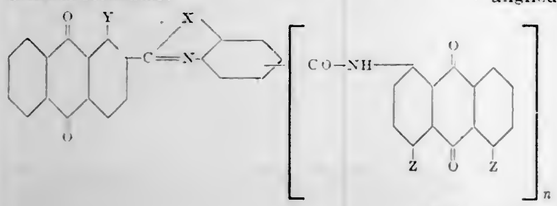
2,045,816
SUPERCHARGER SYSTEM
Frank B. Yingling, Hamilton, Ohio, assignor to Cyrus J. Fitton, Hamilton, Ohio
Application March 16, 1933, Serial No. 661,103
4 Claims. (Cl. 60—13)



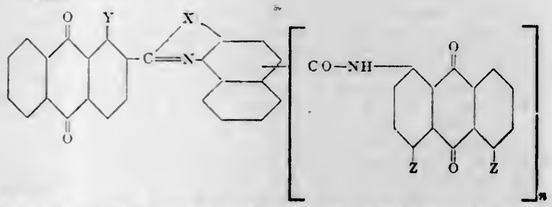
1. In a power plant employing an internal combustion engine, an engine, an engine casing, an outlet conduit leading therefrom, a supercharger casing arranged near one end of said engine, a vertically-disposed shaft within said supercharger casing, an exhaust-operated turbine drivingly mounted on said shaft, a blower on said shaft driven by said turbine, an exhaust pipe for conducting the exhaust gases from said engine to said turbine, a compressed air pipe for conducting the compressed air from said blower to said engine, and a turbine discharge conduit, one of said conduits being mounted within the other and spaced therefrom whereby to form an injector to create a suction therein for the purpose of causing air to be withdrawn from said engine casing, and fresh air to be drawn therein for supplying said blower and also for ventilating said casing.

2,045,817
CONDENSATION PRODUCTS OF THE ANTHRAQUINONE SERIES
Werner Zerweck and Ernst Honold, Frankfort-on-the-Main-Fechenheim, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application January 17, 1935, Serial No. 2,304. In Germany January 20, 1934
6 Claims. (Cl. 260—44)

1. Condensation products selected from the class consisting of those corresponding to the general formulae:

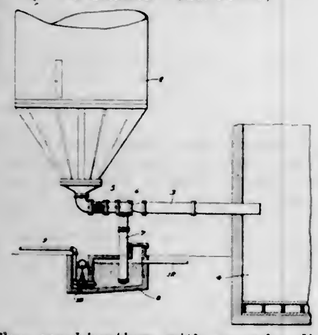


and



wherein *n* means the numbered 1 or 2, X stands for S or O, Y for hydrogen or NH_2, the Z's mean hydrogen or one of them an acylamine-group and the other hydrogen, which dyestuffs dissolve in concentrated sulfuric acid with an orange to brownish color and dye the vegetable fibers from an brownish to violet to bluish vat fast yellowish to reddish to brownish to violet shade.

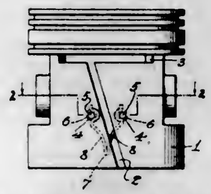
2,045,818
METHOD OF AND APPARATUS FOR PRODUCING PAPER PULP
Frederick W. Adams, Stoneham, Mass., and George S. Witham, Jr., Lincoln, N. H.
Application June 26, 1934, Serial No. 732,456
8 Claims. (Cl. 92—7)



1. The combination with a pulp digester, a blow-off line leading therefrom and a blow-off valve in said line, of means for mixing a sufficient quantity of a suitable liquid with the charge of stock and waste liquor while the stock is flowing through said line to prevent any substantial explosion of the fiber as the latter is discharged from said line.

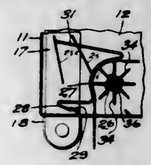
2,045,819
EXPANDER FOR PISTONS
Thomas J. Allen, San Antonio, Tex.
Application January 6, 1936, Serial No. 57,855
5 Claims. (Cl. 309—12)

1. As a new article of manufacture for use with a piston having a slotted skirt, an expander adapted to expand the slotted skirt of the piston and comprising a wire formed in substantially V-shape, and having its end portions formed with opposite bulged portions, successive opposite integral bent portions, and offset ends aligned with the bulged portions, the point of the V having its portions closely bent to resist expansion and to cause the expander to lie close



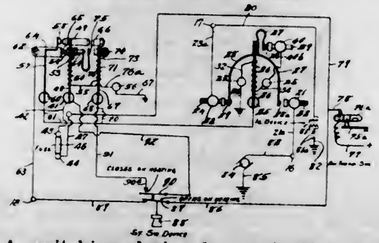
to the skirt of the piston when operatively connected thereto.

2,045,820
PAPER TOWEL CABINET
John Antone, San Francisco, Calif.
Application April 30, 1935, Serial No. 19,016
4 Claims. (Cl. 242—55.5)



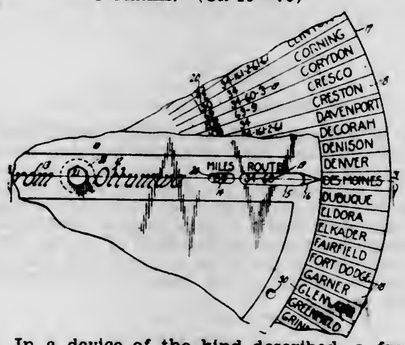
4. In a towel dispensing cabinet in which is placed a roll of paper to be dispensed and severed as individual towels of a predetermined length, means providing an arcuate face over which said paper passes from said roll, a multi-blade cutter extended across said arcuate face and having at any instant a plurality of blades engaging paper passing over said face, and means urging said cutter and said face together.

2,045,821
CONTROL MECHANISM
Reed S. Austin, Minneapolis, Minn., assignor to Charles M. Stroud, Minneapolis, Minn.
Application April 20, 1931, Serial No. 531,384
Renewed June 12, 1935
14 Claims. (Cl. 175—320)



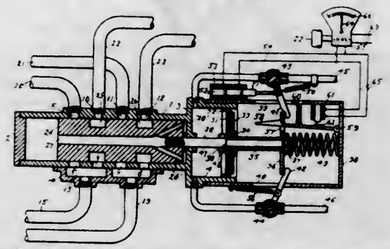
1. A switching device for controlling a plurality of electrical circuits, each circuit having a controlling contact therein having in combination a thermostatic member, a heating means therefor, a contact carried by said thermostatic member, a second thermostatic member, a heating means for said latter member, a contact carried by said second thermostatic member, means for supplying heat to said first mentioned heating means including a resilient member having a contact thereon and a contact on said first thermostatic member engaged by said latter contact, said first thermostatic member being adapted to flex upon being heated and move said first mentioned contact to cut off the current to said controlling contacts and upon further flexing movement, to engage said first mentioned contact with the contact of said second thermostatic member and again supply current to said controlling contacts, and means for supplying heat to said second mentioned heating means.

2,045,822
TRAVEL GUIDE
Harry R. Banks, Creston, Iowa
Application April 22, 1935, Serial No. 17,674
5 Claims. (Cl. 40—70)



1. In a device of the kind described, a front disc, a rear disc of greater diameter, the front disc having a central opening, the second disc having a larger central opening, a washer arranged in the opening of the second disc and being of greater thickness than the second disc, a bolt extended through said openings, and through said washer, a washer on said bolt back of the second disc, a nut on said bolt, whereupon upon tightening of the nut, the first disc will be gripped between the head of the bolt and the first-named washer and held against rotation, whereas the second disc may be rotated, and parts projecting from the first disc near the periphery thereof for frictionally engaging the second disc.

2,045,823
AUTOMATIC HYDRAULIC VALVE FOR WATER HEATING SYSTEMS
James T. Barrow, New York, N. Y.
Application August 23, 1935, Serial No. 37,445
7 Claims. (Cl. 236—1)

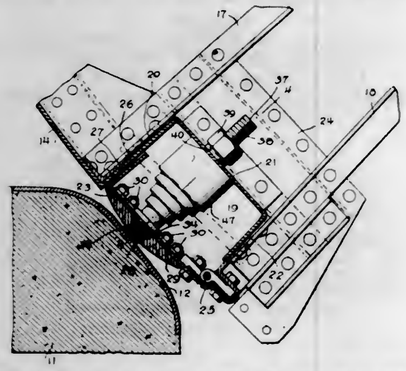


1. In an automatic hydraulic valve, the combination of a cylindrical housing provided with intake and exhaust ports, a set of intake pipes connected with said intake ports, two sets of exhaust pipes connected with respective exhaust ports, a valve member slidably fitted in said housing and adapted in one position to connect said intake pipes with the first set of said exhaust pipes and in the second position to connect said intake pipes with the second set of said exhaust pipes, a cylinder, a piston in said cylinder operatively connected with said valve member, intake and exhaust pipes connected with said cylinder, said intake cylinder pipe being adapted to deliver a compressed fluid for moving said piston into the second position, a spring adapted to return said piston into the first position when there is no fluid in said cylinder, valves in said cylinder pipes, springs tending to close said valves, means to close said cylinder intake valve by said piston in its second position, means to open said cylinder exhaust valve by said piston in its second position, means to releasably lock said piston in the second position, an electromagnetic means for rendering said locking means operative, an electromagnetic means for opening said cylinder intake valve against the tension of its spring, and means to control both of said electromagnetic means by the temperature of a fluid passing through said valve member.

2,045,824
PACKING FOR MOVABLE DAM STRUCTURES
Theodor Becher, Wiesbaden, Germany, assignor to Maschinenfabrik Augsburg-Nürnberg, A. G., Nuremberg, Germany, a corporation of Germany
Application July 18, 1935, Serial No. 32,093
2 Claims. (Cl. 61—22)

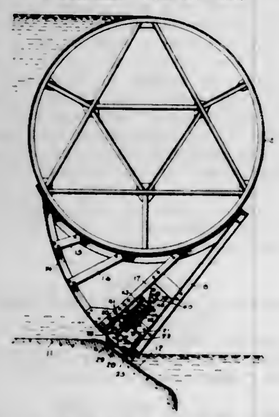
1. A movable dam structure comprising a water chamber having rigid side and rear walls and a flexible front wall hingedly connected to one edge of a side wall, a packing strip on the outer side of said front wall for engaging the sill of a dam, a plurality of threaded rods, each secured at one end to said flexible front wall and extending through an opening formed in the rear wall of said water chamber, a volute expansible spring encircling each rod and bearing at one end against the rear wall of said water chamber and at the other end against the flexible front wall of said water chamber, a nut mounted on each rod,

said nut having a head disposed exteriorly of said water chamber and a tubular portion surrounding said rod and extending inwardly through the opening in the rear wall of said water chamber,



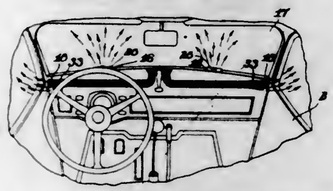
and packing means disposed within said water chamber and engaging the tubular portion of said nut for preventing leakage of water through the opening in the rear wall of said water chamber.

2,045,825
PACKING FOR MOVABLE DAM STRUCTURES
Theodor Becher, Wiesbaden, Germany, assignor to Maschinenfabrik Augsburg-Nürnberg, A. G., Nuremberg, Germany, a corporation of Germany
Application July 18, 1935, Serial No. 32,095
In Germany September 20, 1934
4 Claims. (Cl. 61—22)



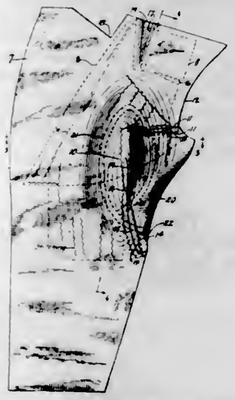
1. A device of the class described comprising a movable dam structure having a water chamber formed thereon, a front wall hingedly connected along one edge to said water chamber, a resilient packing strip on said front wall for engaging the sill of a dam to seal the joint between the sill and said movable dam structure, a water tight box mounted on said movable dam structure on the rear side of said water chamber, rods pivotally connected to said front wall and extending through said water chamber and said box, and a tension element disposed in said box and encircling each rod for urging said front wall forwardly towards the sill of the dam.

2,045,826
AUTOMOBILE HEATING AND DEFROSTING APPARATUS
Clemence J. Benolken, St. Paul, Minn.
Application March 8, 1934, Serial No. 714,573
7 Claims. (Cl. 20—40.5)



1. An automobile heating apparatus including, a heating unit, a conduit for conveying heated air from said heater, a windshield frame having openings therethrough connecting with said conduit, and closures for said openings operable in open position for directing the heated air against the windshield.

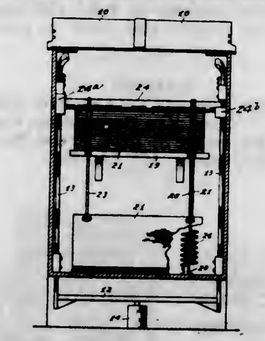
2,045,827
COAT FRONT PAD
Daniel Bersin, New York, N. Y.
Application April 17, 1935, Serial No. 16,772
9 Claims. (Cl. 2—255)



1. A stiffening pad for clothing, comprising a flexible resilient piece of textile material having elongated cut-outs, said material being gathered at the cut-outs with the opposing edges stitched together in overlapping relation to form a bulge in said piece, and a strip of flexible substantially inextensible fabric in the form of a ring sewed to said piece at the bulge and enclosing less area than the extent of the bulge, to maintain the bulge.

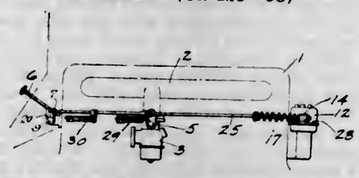
2,045,828
TOWEL CABINET
Joseph N. Borroughs, Oakland, Calif.
Application June 28, 1933, Serial No. 678,019
7 Claims. (Cl. 312—37)

2. A towel dispensing apparatus comprising a cabinet having a shelf therein for supporting a stack of towels, a flexible cord passing through said towels and having its ends joined to provide a closed loop securing said towels together, a bar disposed in said cabinet above said shelf and extending transversely through said loop for supporting the upper end of said loop, and a re-



silient member passing through said towels and secured to said cabinet.

2,045,829
INTERNAL COMBUSTION ENGINE
Leonard D. Boyce, Maplewood, Mo.
Application April 6, 1931, Serial No. 527,934
9 Claims. (Cl. 123—98)



1. In an internal combustion engine, means for supplying fuel mixture thereto, a throttle, means supplying a spark for igniting said fuel mixture, an operating arm connected to said spark supplying means for varying the point in the cycle of operation at which the spark occurs, said operating arm being connected to said throttle means for controlling the same, said connections being constructed and arranged to insure that the spark is always fully advanced except when said throttle is fully closed.

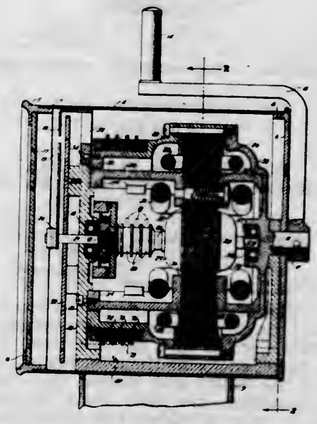
2,045,830
COSTUMED FIGURE
Helen B. Brundage, Tryon, N. C.
Application October 10, 1935, Serial No. 44,376
8 Claims. (Cl. 46—115)



1. A costume comprising a front member and a back member, said front and back members be-

ing secured to each other over a large portion of their areas, the inner extremities of said secured portions of said members located inwardly a considerable distance from the outer side edges of said members, a narrow and elongated passageway extending along the approximate longitudinal centers of said members, adapting the costume to be removably secured by friction to a supporting member.

2,045,831
DYNAMO-ELECTRIC MACHINE
Victor E. Carbonara, Brooklyn, N. Y., assignor to Chas. Cory Corporation, New York, N. Y., a corporation of New York
Application April 14, 1931, Serial No. 530,099
14 Claims. (Cl. 177—337)

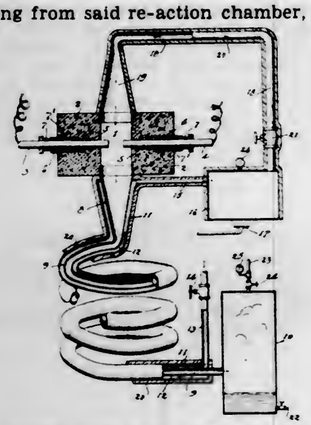


1. In a signaling system, the combination of a plurality of interconnected signaling devices, each comprising at least three alternating current windings in inductive relation with each other and two of which are mounted for relative angular movement with respect to the third about a common axis, each winding of each device being connected to a corresponding winding of another of said devices, means for rotating one of said windings, means for supplying the same alternating current to one corresponding winding of each device whereby upon angular movement of either of the first two mentioned windings of any one of the signaling devices the corresponding winding of another of said devices is caused to move the same angular distance, and means for indicating the degree of angular movement of the rotatable windings.

2,045,832
APPARATUS FOR PRODUCING HYDROGEN
Herbert D. Carter, Winnipeg, Manitoba, Canada
Application August 28, 1931, Serial No. 559,815
2 Claims. (Cl. 204—31)

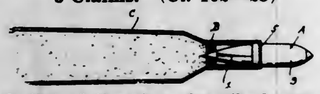
1. An apparatus for producing hydrogen consisting of a superheated jacket and a re-action chamber having carbon arcs extending therewithin, an inlet conduit leading from a source of supply to said superheated jacket, a conduit extending between said superheated jacket and into said re-action chamber, and an exhaust conduit

extending from said re-action chamber, said ex-



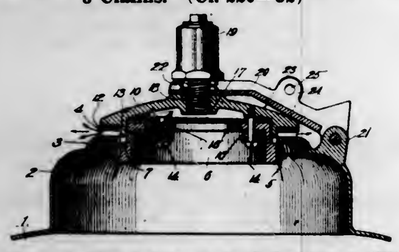
haust conduit being encased within said inlet conduit.

2,045,833
BULLET
Bliss G. Childs, Provo, Utah
Application May 1, 1935, Serial No. 19,322
3 Claims. (Cl. 102—28)



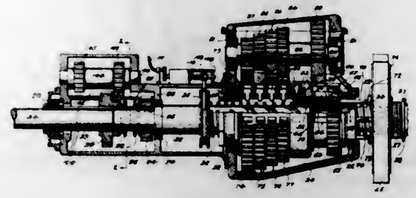
1. A bullet of the class described comprising a body part having a substantially cylindrical intermediate portion and pointed front and rear ends, a jacket enclosing the intermediate and rear parts of the bullet and having fins thereon of spiral formation, the rear ends of which are straight to form shoulders and terminate an appreciable distance from the rear end of the jacket, the intermediate part of the body having an annular groove therein, a jacket enclosing the front of the body overlapping the front portion of the first-mentioned jacket, said jacket having portions pressed into the grooves, the pressed portion of the second jacket forming a groove for receiving a portion of a shell.

2,045,834
QUICK-OPENING TANK TRUCK PLUG
George H. Clay, Kansas City, Mo.
Application April 21, 1934, Serial No. 721,752
3 Claims. (Cl. 220—32)



3. In a tank closure, a tank having a filling opening, a cover for such opening, a valve having a threaded stem secured to the top of the cover, an arm hinged to the tank and fitting loosely around said stem between the valve and cover, and means around the stem and exerting yielding force in opposite directions on the arm and valve and tending to hold the contacting surfaces of the former and cover in parallelism.

2,045,835
AUTOMATIC SPEED CHANGING DEVICE
Joseph C. Coen, San Bernardino, Calif.
Application December 7, 1934, Serial No. 756,526
8 Claims. (Cl. 74—337)



1. In a speed changing device, the combination with a driving shaft and a driven shaft, of a drum carried by the driven shaft, a series of different sized ring gears rotatably mounted upon the drum, clutching keys carried by the drum and adapted to be progressively moved into selective clutching engagement with the ring gears, a drive means for said driving shaft, keys for forming a locking connection between the drum and the drive means, sliding means mounted adjacent said drum for automatically and progressively moving the clutching keys to locking positions to individually and selectively render the ring gears and drive means active, a series of reducing gears meshing with the ring gears, a power gear carried by the driving shaft, a gear cooperating with the reducing gears adapted to mesh with said power gear, and centrifugally controlled means constituting an inertia member for shifting said power gear into driving position, and means operated by said last mentioned means for operating said sliding means.

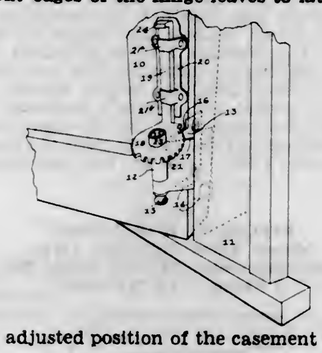
2,045,836
TITANIUM PRODUCT AND METHOD OF MAKING SAME
Oscar T. Coffelt, Jackson, Mich., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, a corporation of Delaware
No Drawing. Application January 2, 1935, Serial No. 101
1 Claim. (Cl. 23—56)

In a process of making a titanium compound containing chromium in the form of a chromate, the step of heating an aqueous titanium sulfate solution containing the chromate radical.

2,045,837
CASEMENT LATCHING DEVICE
William H. Creber, Los Angeles, Calif.
Application June 1, 1935, Serial No. 24,534
7 Claims. (Cl. 16—144)

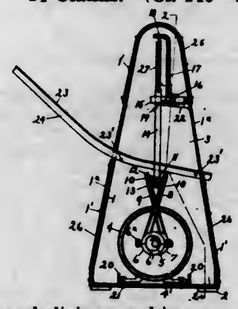
1. A casement window hinge latch, comprising a base portion having guides for a reciprocal latching member and adapted to be mounted on said window adjacent said hinge, a latching member comprising a bar portion reciprocal in said guides parallel to the hinge axis, and carrying a laterally projecting hinge leaf engaging member, said laterally projecting portion having around its periphery irregularly spaced notches

adapted to be brought into engagement with the adjacent edges of the hinge leaves to latch them



in any adjusted position of the casement window.

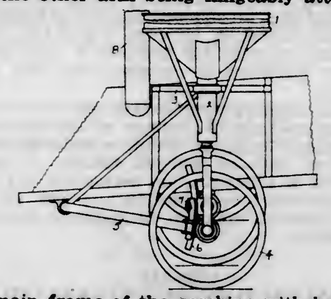
2,045,838
BREAD SLICING MACHINE
Harry J. Criner, Davenport, Iowa, assignor of one-half to A. G. Bush, Davenport, Iowa
Application June 10, 1935, Serial No. 25,759
14 Claims. (Cl. 146—153)



1. A bread slicing machine comprising a housing, a drive shaft mounted therein having opposed eccentrics formed upon both extended ends thereof, a pair of U-shaped frames comprising transverse bearing plates and connecting rods formed integral therewith mounted in intermediately crossed relation upon the eccentrics and adapted to be reciprocated thereby when the eccentrics rotate, alternating series of lugs formed upon the bearing plates, a plurality of cutting blades arranged in two series and having their lower ends pivotally secured in the series of lugs respectively, stub shafts united to the housing at opposite sides thereof and extending inwardly at the level of the bearing plates, guide rolls rotatably mounted upon the stub shafts and projecting between the inner faces of the opposed bearing plates and adapted to guide the bearing plates, resilient means mounted in the housing and united to the top of the cutting blades tending to exert tension upwardly thereon and to hold the adjacent faces of the bearing plates in continuous contact with the guide rolls, and means to support the bread during the slicing operation.

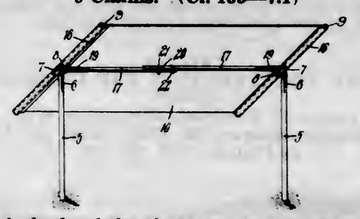
2,045,839
COMBINED HARVESTING AND THRESHING MACHINE
Raymond M. Darden, Endicott, Wash.
Application April 9, 1934, Serial No. 719,729
4 Claims. (Cl. 56—122)

1. A bulk grain attachment for a combine made up of a bin, a ground wheel, a vertical member which supports said bin at suitable height above said ground wheel, sliding guides serving to permit vertical motion of said bin with reference to the combine frame, a bell crank, one arm of which is the axle of said ground wheel and the other arm being hingeably attached to



the main frame of the combine with both arms parallel to the main axle of the combine, said bell crank being so positioned as to maintain said ground wheel upright beside the main wheel while permitting vertical adjustment of said wheel and bin required by uneven ground.

2,045,840
SHADE
Walter F. Davey, Somerville, Mass.
Application October 29, 1935, Serial No. 47,257
9 Claims. (Cl. 135—7.1)



1. A shade of the character described comprising a pair of standards, a flexible covering pivotally mounted upon said standards, and means to stretch said covering between the standards.

2,045,841
PRODUCTION OF ACETALDEHYDE
Henry Dreyfus, London, England
No Drawing. Application January 7, 1932, Serial No. 585,382. In Great Britain February 26, 1931
6 Claims. (Cl. 260—139)

1. Process for the production of acetaldehyde comprising reacting steam upon acetylene in the presence of at least one alkaline earth metal in the form of a salt of an oxygen acid of phosphorus.

2,045,842
HYDRATION OF OLEFINES
Henry Dreyfus, London, England
No Drawing. Application October 28, 1932, Serial No. 640,001. In Great Britain December 22, 1931
9 Claims. (Cl. 260—156)

1. A continuous process for the manufacture of hydration products of olefines which comprises continuously bringing an olefine mixed with steam into contact with an aqueous solution of a strong non-volatile acid of concentration between 2 and

10% at a temperature between 150 and 300° C. and under a pressure sufficient to maintain the acid concentration.

4. A continuous process for the manufacture of hydration products of ethylene which comprises continuously bringing ethylene mixed with steam into contact with an aqueous solution of sulphuric acid of concentration between 2 and 10% at a temperature between 150 and 300° C. and under a pressure sufficient to maintain the acid concentration.

5. A continuous process for the manufacture of hydration products of olefines which comprises continuously bringing an olefine mixed with steam into contact with an aqueous solution of phosphoric acid of concentration between 2 and 10% at a temperature between 150 and 300° C. and under a pressure sufficient to maintain the acid concentration.

2,045,843
MANUFACTURE OF OXYGENATED ORGANIC COMPOUNDS
Henry Dreyfus, London, England
No Drawing. Application November 23, 1932, Serial No. 644,081. In Great Britain November 30, 1931
6 Claims. (Cl. 260—54)

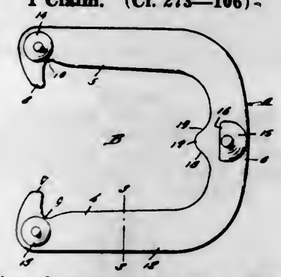
1. A method of manufacturing distillable cyclic diethers, comprising subjecting to a condensation reaction at least one body selected from the group consisting of aldehydes and ketones with at least one polyhydric alcohol, said condensation reaction being carried out in the presence of a pyrosalt selected from the group which consists of pyrosulphates and pyrophosphates.

2,045,844
HEEL CONSTRUCTION FOR CUSHION SHOES
Joseph H. Everston, Milwaukee, Wis.
Application January 26, 1935, Serial No. 3,561
16 Claims. (Cl. 36—28)



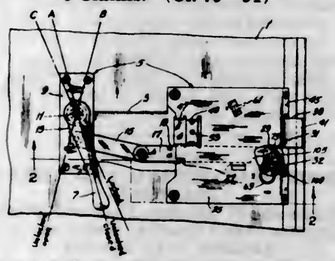
1. In a shoe, the combination with a heel having a continuous unapertured heel base, of an outsole resting on said heel and cut away above an intermediate area of the top of said heel to provide an opening with margins sufficiently sharply defined so that the heel-bone of a wearer received therein will be restrained against any tendency to slide forwardly in the shoe, an elastic cushion resting upon the heel and disposed within the cut-away portion of the outsole to provide cushion support for the wearer's heelbone, an insole spaced from said outsole above said heel and also forwardly thereof, a counter provided at its bottom with an inturned flange disposed flat between the insole and the outsole about the heel portions thereof and a separate elastic cushioning means interposed in the space between the insole and outsole in substantially the plane of and within the flange of said counter and extending across said elastic cushion and the margins of said opening forwardly thereof, whereby to cushion elastically the margins of the cut-away portion of the outsole above said first mentioned cushion, said elastic cushion and cushioning means constituting separate layers of material one of which is positioned within the pocket of the outsole and the other of which extends continuously over the pocket and between the outsole and insole, said cushioning means providing a yieldable support for the insole and the weight of a wearer's foot thereon, and said elastic cushion and cushioning means being in direct face contact and together accumulating their combined effect beneath the wearer's heelbone to define a deformable area of increased elastic yielding qualities as compared with the remaining area of said cushioning means, whereby elastically to pocket the wearer's heelbone while cushioning the margins of the cut-away portion of said outsole against contact with the portions of the wearer's foot which are not thus pocketed.

2,045,845
PITCHING HORSESHOE
Melvin Flick, Stillwater, Okla.
Application September 20, 1935, Serial No. 41,468
1 Claim. (Cl. 273—106)



A pitching shoe comprising a U-shaped member including a crown and integral straight legs merging with the crown, said member formed of a bar of uniform thickness with opposed faces thereof in continuous parallelism, a blunt spur projecting inwardly from the center of the inner edge of the crown for a distance substantially equivalent to one half the width of the crown, the sides of the spur curving outwardly and toward the crown so as to strike the peg and turn the member about the peg to prevent the shoe from bouncing free of the peg, the free ends of the legs formed with inwardly directed prongs forming a restricted opening between the straight legs so as to catch the peg and hold the shoe, said prongs and legs merging on the inner edge in a recess inset with respect to the inside edge of the legs, and frusto-conical calks depending from one face of the member, one being located at the free ends of the legs and another in the center of the crown.

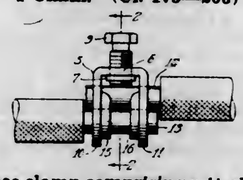
2,045,846
LATCH
Howard M. Foster, St. Louis, Mo., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application May 1, 1933, Serial No. 668,676
8 Claims. (Cl. 70—91)



1. In a latch for a door or the like, a bolt, operating means for the bolt, said bolt operating

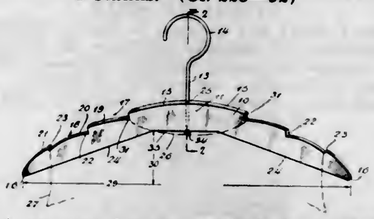
means being adapted to be operated from an inside handle or from a lock handle or from a plain handle, means whereby either the lock handle or the plain handle may be joined to or released from the bolt operating means to effect unlocking and locking respectively, means whereby when the lock handle is joined to the bolt operating means a lock in the lock handle may effect release of the lock handle, and means whereby said inside handle may effect release of either handle.

2,045,847
WIRE CLAMP
William G. Fotsch, Chicago, Ill., assignor to Reliable Electric Co., Chicago, Ill., a corporation of Illinois
Application December 3, 1934, Serial No. 755,790
1 Claim. (Cl. 173—263)



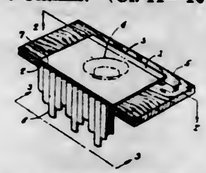
A two piece clamp comprising a U-shaped member having aligned elongated slots running lengthwise in the legs of said member to receive the wires to be clamped and to position them substantially in parallelism, a clamping screw threaded through the base for pressing together the wires threaded through said slots, and means on the legs to provide side support for said wires when they are clamped together, said means comprising U-shaped flanges at the edges of said elongated slots and projecting inwardly toward each other from said legs and spaced apart a distance less than the diameter of said screw, the diameter of said screw being at least equal to the width of said slots whereby to prevent lateral escape of said wires when they are pressed together by said screw.

2,045,848
GARMENT HANGER
Harrie S. Geer, Watervliet, N. Y.
Application February 9, 1934, Serial No. 710,625
4 Claims. (Cl. 223—92)



1. A garment hanger particularly universally adapted for hanging women's dresses, and frocks of variant shoulder sleeve and shoulder strap design with assurance that such dresses and frocks will not slip thereoff, said hanger being provided with an elongated dress shoulder support element and a central hanger element extending upwardly from the central portion of said support element, said support element sloping slightly downwardly from said central hanged element on both sides thereof and both said sides of said support element being provided with a plurality of spaced shoulders forming a plurality of wide-elongated shallow steps, at least two steps on each side of and most adjacent the central hanger element descending away from said central hanger element and at least the last step on each side of the central hanger element and most distant therefrom being ascending, the end steps cooperating with each of the other steps in supporting shoulder parts of garments.

2,045,849
PAPER STRUCTURE
Albert L. Genter, Baltimore, Md.
Application December 20, 1935, Serial No. 55,481
7 Claims. (Cl. 41—10)



4. A decorative shelf covering capable of being rolled longitudinally, comprising a sheet of relatively smooth, flexible, paper-like material defining a shelf engaging portion, and an ornamental corrugated sheet of paper-like material superposed upon and adhered to a portion of the first sheet throughout the area of the corrugated sheet, with the ends of the corrugations terminating in the uncovered area of the first sheet, said corrugated sheet adapted to depend from the shelf engaging portion and be exposed when the first sheet is folded longitudinally, the exposed portion of the first sheet being of substantially greater area than the area of the corrugated portion.

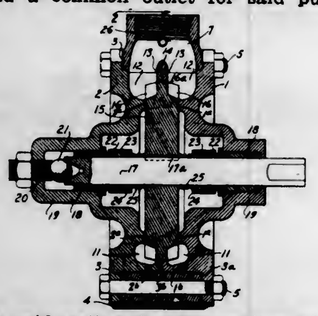
2,045,850
METHOD FOR IMPROVING AND REFINING VICTUALS AND TABLE-LUXURIES CONTAINING CELLULOSE
Viktor Grafe, Vienna, Austria
No Drawing. Application April 7, 1933, Serial No. 665,044. In Austria April 14, 1932
6 Claims. (Cl. 99—74)

1. Method for improving and refining victuals and table-luxuries, the main constituent of which is cellulose, and more particularly coffee and its surrogates and additions, such as figs, grains, chicory, malt, grape-stones, sugar-beets, acorns, lupines, date-kernels, asparagus-seeds, earth-nuts, beans, and the like, which method consists in adding dispersing substances to the starting materials and bringing said substances and material into a form of fine distribution approaching the colloidal state, said dispersing substances, permissible within the sanitary laws, being selected from a group consisting of alkalies, alkali phosphates and earth-alkali-phosphates.

2,045,851
PUMP
Sylvester J. Hamilton, Richmond, Ind., assignor to Richmond Turbine Pump Co. Inc., Richmond, Ind., a corporation of Indiana
Application September 12, 1934, Serial No. 743,639
1 Claim. (Cl. 103—96)

In a pump, a casing comprising a pair of sides with contiguous axial flanges forming a peripheral channel and a sealing ring in said channel cooperating therewith to form an air seal, each of said sides having a pair of inwardly directed ridges thereon, a shaft mounted in said casing, a rotor on said shaft having a rib on its peripheral surface in sealing engagement with two of

said inwardly directed ridges and its side faces in sealing engagement with the other inwardly directed ridges to form a plurality of pumping channels, said rotor having a plurality of buckets on the periphery thereof at each side of said rib, said sealing ring having ports forming a common inlet and a common outlet for said pumping



channels, said sealing ring surrounding said casing and having a rib extending across said ports, the rib on said sealing ring cooperating with the two of said inwardly directed ridges having sealing engagement with the rib on said rotor to direct the fluid into the pumping channels and to seal said pumping channels apart from one another.

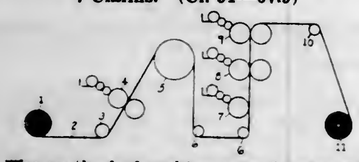
2,045,852

WRAPPER AND METHOD OF MAKING

Ralph A. Hayward, Parchment, Mich., assignor to Kalamazoo Vegetable Parchment Company, Parchment, Mich.

Application April 22, 1936, Serial No. 75,833

7 Claims. (Cl. 91—67.9)



1. The method of making waxed paper suitable for use as food wrappers which comprises coating one side of a smooth surfaced paper suitable for printing by a printing operation with a background coating consisting of an adhesive vehicle mixed with a body pigment, glycerine, and a colored pigment and having a water content ranging from 35% to 45% insufficient to cause expansion and wrinkling of the paper, drying and passing directly from the coating means to a drying means, printing on the coated surface with an oil base ink, and passing the printed paper through a bath of wax.

2,045,853

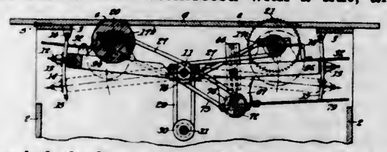
MULTIPLE TOOL WOOD WORKING MACHINE

Joseph A. Hirtz, Sr., Mount Oliver, Pa., assignor of one-half to Ellsworth J. Smith, Sr., Mount Oliver, Pa.

Application March 13, 1935, Serial No. 10,827

7 Claims. (Cl. 144—1)

1. In combination with a frame provided with a hinged top plate having a clearance opening, a transverse hinge shaft, a frame hinged thereon provided with a rotatable tool shaft, driving means on the hinge shaft geared with a freely running gear on the tool shaft, a co-acting clutch therefor engaging the tool shaft, means for locating the frame at varying vertical positions, a rock shaft having lifting arms beneath the top plate and a lever connected with a nut, and a



threaded shaft engaging the nut provided with a crank.

2,045,854

METHOD OF TREATING COFFEE BEANS

Walter F. Hoffman, Cloquet, Minn., assignor to The Northwest Paper Company, Cloquet, Minn., a corporation of Minnesota

No Drawing. Application July 22, 1931, Serial No. 552,549

4 Claims. (Cl. 204—1)

1. The method of treating coffee beans to decrease the natural content of caffeine which comprises submerging the beans in a liquid conducting medium, passing an electric current in one direction through the submerged beans, removing the extracted caffeine from the vicinity of the beans, and neutralizing the resulting acidity in the bean.

2,045,855

CAN

William L. Hovey, Flint, Mich.

Application November 15, 1932, Serial No. 642,754

12 Claims. (Cl. 221—64)



1. The combination with a can having an angular wall, and a discharge opening in a corner portion, of a closure element for such opening having perforated and non-perforated portions, and means for movably securing the element to the wall for curvilinear movement, and sliding movement transversely of the path of curvilinear movement.

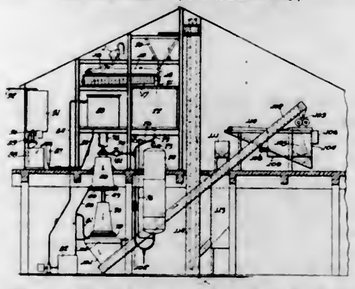
2,045,856

METHOD OF EXTRACTING JUICE FROM PINEAPPLE MEAT

Simes T. Hoyt and Richard M. Botley, Honolulu, Territory of Hawaii, assignors to Hawaiian Pineapple Company, Limited, Honolulu, Territory of Hawaii, a corporation of Hawaii

Application August 7, 1933, Serial No. 684,104

13 Claims. (Cl. 210—186)



13. The method of extracting liquid from fruit having fibrous juice cells comprising comminuting the fruit to a fluent pulpy mass in which the cells are ruptured, thereafter suspending non-absorbent sharp particles of granular material in the fluent mass and separating the liquid from the mass by straining under pressure.

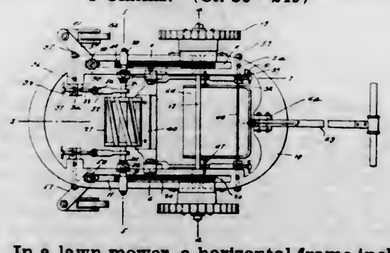
2,045,857

LAWN MOWER

Gus Hunter, Newport, N. C.

Application January 10, 1935, Serial No. 1,245

4 Claims. (Cl. 56—249)



1. In a lawn mower, a horizontal frame including a pair of laterally spaced side members, a pair of vertically arranged longitudinally slotted bars, one bar being arranged adjacent one side member and the other adjacent the other side member, bolts passing through the slots in the side bars and through the side members of the frame for supporting the bars for vertical movement in the frame, a cutter reel shaft having its ends journaled in the lower ends of said bars a member swiveled in the frame, a sectional member, one section having a threaded socket therein and the other having a threaded portion fitting in the socket, the outer end of one section being connected with the shaft and the other section passing through the swiveled member and rotating therein whereby turning movement of the last-mentioned section will rock the bars on the bolts for adjusting the cutter reel shaft forwardly or rearwardly.

2,045,858

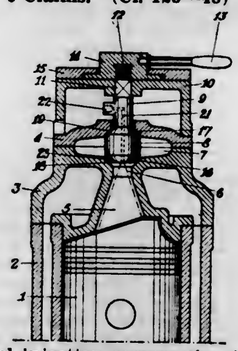
FUEL-INJECTION COMPRESSION-IGNITION ENGINE

Erland Viktor Jung, Jonkoping, Sweden

Application March 9, 1934, Serial No. 714,878

In Sweden March 24, 1933

6 Claims. (Cl. 123—48)



1. In a fuel-injection compression-ignition engine, the combination with a working cylinder of means forming two combustion chambers communicating with each other through a passage, a valve-body for closing said passage, and a nozzle in said valve-body for fuel injection.

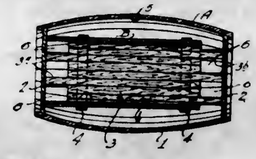
2,045,859

WHISKEY-AGING APPARATUS

Albert S. Klein, St. Louis, Mo.

Application January 21, 1935, Serial No. 2,621

2 Claims. (Cl. 202—79)



1. A whiskey-aging apparatus comprising a charred wooden open-end hollow shell for disposition longitudinally within a containing-barrel, the shell being of tubular formation and its wall being constructed of charred staves disposed in sidewise abutting relation and lengthwise and diametrically reduced relatively to the containing-barrel for spacing the shell bodily both diametrically and endwise from the side and end-walls of said barrel, some of said staves being longitudinally elongated at the opposite ends of the shell for endwise abutment against the opposite end-walls of the barrel for rigidly supporting the shell proper in spaced relation from the walls of the barrel and providing circulation-openings within the barrel intermediate the opposite open ends of the shell and the respective end walls of the barrel.

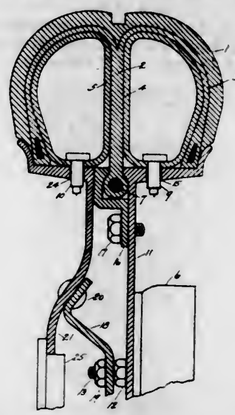
2,045,860

PNEUMATIC TIRE AND MOUNTING THEREFOR

David Harold Knapp, Philadelphia, Pa.

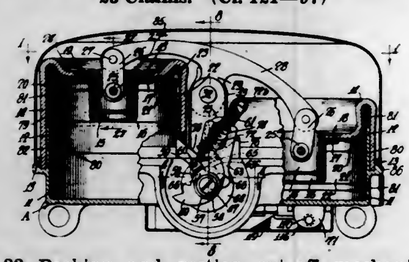
Application June 27, 1935, Serial No. 28,643

2 Claims. (Cl. 152—22)



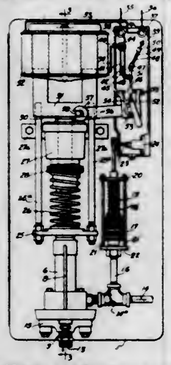
1. In a pneumatic tire comprising a casing with an inward projecting wall whose inner periphery terminates in a substantially solid enlarged annular member, the said wall dividing the tire into two circumferentially annular compartments, each provided with an inner tube independently inflated, and a tire mounting comprising an inner disc and an outer disc adapted to anchor and support the said casing, and means to secure the said solid enlarged annular member of the said projecting wall, in removable relation, to the aforesaid inner disc, substantially as described.

2,045,861
WINDSHIELD WIPER AND MOTOR THEREFOR
David Kuskin, New York, N. Y., assignor to Franklin J. Foster, New York, N. Y., trustee
Application May 20, 1933, Serial No. 671,980
23 Claims. (Cl. 121—97)



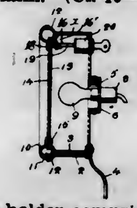
22. Parking and suction cut-off mechanism for a suction motor of the character which presents a flat surface having a pair of ports therein and a hood valve movable over the ports to establish connection of the motor with the suction line, said mechanism including a lever pivoted intermediate its ends and actuating said valve, a member at one end of the lever adapted to mechanically interlock with a moving part of the motor when the valve is in position to cut off the suction and manually operable means engaged with the opposite end of the lever for rocking the latter about its pivot, a past center spring operatively engaged with the lever and acting either to hold the parking device inoperative or to urge it toward parking position in accordance with the setting of the manually operable lever rocking device.

2,045,862
APPARATUS FOR HANDLING FLUIDS AND GASES
Michael A. S. Lavigne, Worcester, Mass.
Application June 17, 1933, Serial No. 676,345
10 Claims. (Cl. 103—53)



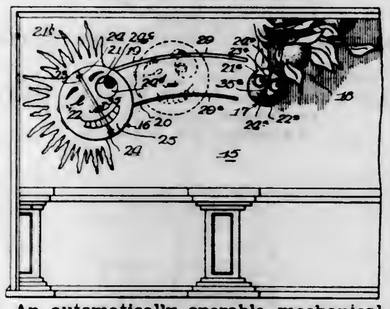
1. In combination, a pump, a solenoid, a pair of rods connecting the solenoid core and the pump piston, yielding means between the rods to resist the movement of the core and the piston, and to return the core and piston to initial position when the solenoid is inoperative, switch means, snap means to open and close the switch adapted to be operated by the movement of the core, a lever operated by the core for operating the snap means, and means controlled by the pressure of the liquid pumped adapted to control the application of current to the switch and the solenoid.

2,045,863
ILLUMINATED LOCKED LICENSE PLATE CONTAINER
Joseph Charles Marsala, Watertown, N. Y.
Application March 25, 1935, Serial No. 12,948
1 Claim. (Cl. 40—133)



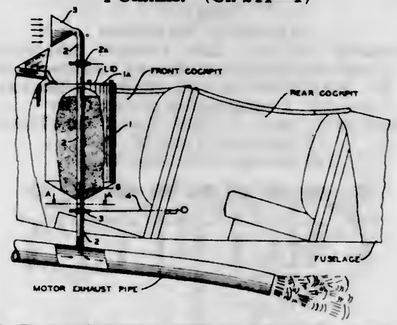
A license plate holder comprising a casing having the interior thereof illuminated and provided with an open front, marginal flanges formed on the open front of the casing and of arcuate shape in cross section providing inner and outer edges, a frame, marginal flanges formed on the frame and of arcuate shape in cross section providing inner and outer edges, hinges connecting the frame to the casing and lying within the flanges of the frame and casing, said outer edges of the flanges of said frame adapted to overlap the outer edges of the flanges of the casing and the inner edges of the flanges of the frame aligned with the inner edges of the flanges of the casing to receive therebetween a license plate, hook-shaped keepers formed on the flanges of the frame and adapted to enter the casing, rods slidably secured to the casing for movement into and out of the keepers, and means for sliding and rocking said rods and carried by the casing.

2,045,864
ADVERTISING DEVICE
William W. Miller, Berwyn, Ill., assignor to General Outdoor Advertising Co., Inc., Chicago, Ill., a corporation of New Jersey
Application July 15, 1935, Serial No. 31,367
5 Claims. (Cl. 40—126)



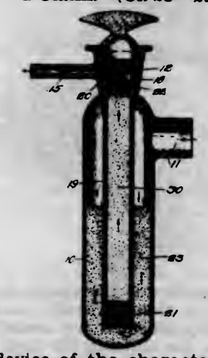
1. An automatically operable mechanical device for picturing an advertising phrase, comprising a signboard, relatively movable members mounted on said signboard and capable of movement from remote to adjacent positions, said members being pictured to present the subjects of the phrase and each including a main plate and an auxiliary plate movable with respect thereto, said plates being pictured with related features so that in one position a full face view is presented and in the other position a profile view is presented, automatic actuating means for producing the relative movement of said subject members in alternation from remote to adjacent position, including devices for producing the relative movement of the plates and auxiliary plates of said subject members in proper timed relation to present a full face view in the remote position and a profile view in the adjacent position.

2,045,865
SKYWRITING APPARATUS
Glen H. Morey, Bartlesville, Okla., assignor to Phillips Petroleum Company, Bartlesville, Okla., a corporation of Delaware
Application April 30, 1934, Serial No. 723,283
4 Claims. (Cl. 244—1)



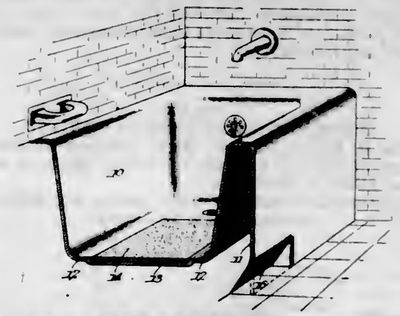
1. In combination with an aircraft a device of the character described, including a closed container provided with an opening in the upper part thereof and suitable means for closing said opening, a means for passing air currents through said container without contacting the contents thereof, the same comprising a continuous passageway having apertures therein and passing coaxially through the container, one end of which terminates in an enlarged mouth exterior of and above the container, the opposite end being in communication with the motor exhaust pipe, a means for opening and closing the passageway above the container, port openings in said passageway disposed adjacent the lower part of the container, a valve chamber intersecting the passageway below the container and a means for opening and closing the passageway in said valve chamber.

2,045,866
LABORATORY APPARATUS
Harry Morrison, Detroit, Mich.
Application May 3, 1935, Serial No. 19,736
1 Claim. (Cl. 23—292)



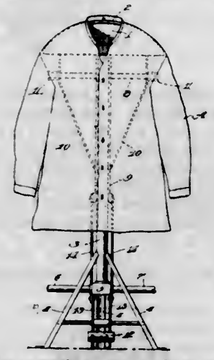
A glass device of the character described, including a bottle having a neck with a hole in one side thereof, and provided with an inlet tube below the neck and of sufficient diameter to permit the easy insertion of powdered solid material therethrough; a ground hollow stopper having a hole adapted to register with the hole in the neck; and a depending tube carried by the stopper whose bore is of a size sufficient to hold a drying agent, said bore communicating with the interior of the stopper.

2,045,867
BATHTUB
Robert Mueller, Decatur, Ill.
Application July 23, 1934, Serial No. 736,601
3 Claims. (Cl. 4—173)



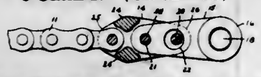
1. A one-piece metal bath tub having an integral portion of its bottom offset from the plane of the bottom and of substantially the same thickness to provide a recess, and a non-slip waterproof filling in said recess.

2,045,868
COMBINED SHIRT SUPPORT AND IRONER
David Nelson, Wilmette, Ill.
Application May 14, 1934, Serial No. 725,519
6 Claims. (Cl. 223—70)



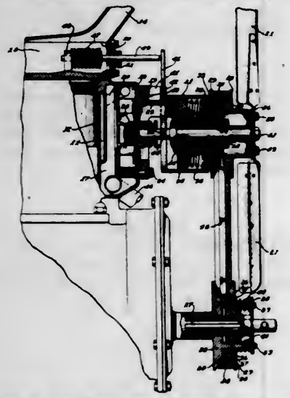
1. A device serving as a hanger for a shirt while it is being buttoned and, at the same time, ironing the shoulder yokes thereof, comprising a rigid heated member adapted to be inserted in the upper part of a shirt and underlie the shoulder yoke portions thereof for the entire length of such portions, said member being of such size and shape that the entire shirt below the level of the ends of the shoulder yokes hangs free and may easily be buttoned and be removable without unbuttoning, and means independent of said member and movable vertically relatively thereto to hold the said shoulder yoke portions down in close contact with said member.

2,045,869
SAFETY LINK TONGS
Carl E. Olsen and Joseph A. Peterson, Houston, Tex.
Application December 18, 1934, Serial No. 758,001
6 Claims. (Cl. 81—68)



1. A safety linkage for chain type pipe tongs comprising two links arranged to be connected as a portion of a chain, two pivots interconnecting said links, and means whereby one of said pivots is relatively fixed and the other allows relative movement between the links about the first pivot said first pivot being relatively weaker than said second pivot.

2,045,870
INTERNAL COMBUSTION ENGINE
Clyde R. Paton, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application October 6, 1933, Serial No. 692,365
7 Claims. (Cl. 74—230.17)



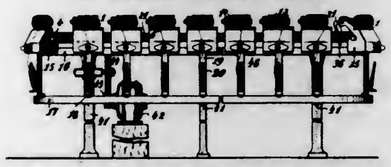
1. Driving mechanism comprising a shaft, a sectional pulley having two sections mounted to rotate with the shaft one of which is movable longitudinally of the shaft, said pulley sections having angularly extending adjacent faces, a driving belt engaging the angular faces of said pulley, yieldingly acting means tending to move the sections together, and automatic means for causing variations in the spaced relation of said sections independently of the load and thereby shifting the position of the belt therewith radially.

2,045,871
BRASSIÈRE
Israel Pilot, New York, N. Y.
Application August 6, 1935, Serial No. 34,992
12 Claims. (Cl. 2—42)



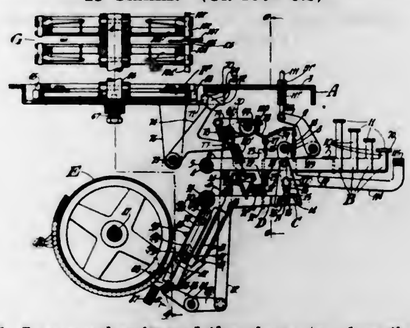
12. In a garment, a fabric body including bust portions and side portions, means including shoulder straps for securing the body in position on a wearer, said shoulder straps extending upwardly from points substantially above the centers of the wearer's busts, stiffening means stitched adjacent its top edge to the body garment and embracing the lower parts of each of the busts to prevent the latter from sagging downwardly, and lifting tapes for transmitting the lifting force applied to each shoulder strap to each side of each of the stiffening means, the lifting tapes being attached to the body fabric adjacent its upper edge thereof, the body fabric above the stiffening means being bias cut.

2,045,872
WINDING MACHINE
Wilhelm Reiners and Gustav Kahlisch, Gladbach-Rheydt, Germany, assignors to W. Schlafhorst & Co., Gladbach-Rheydt, Germany, a corporation of Germany
Application May 26, 1933, Serial No. 673,096
In Germany June 16, 1932
12 Claims. (Cl. 242—35.5)



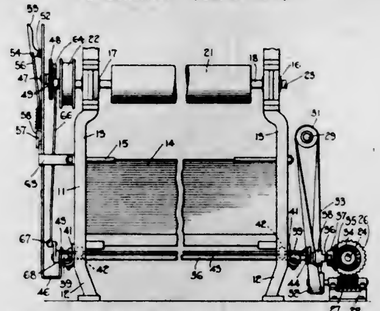
1. In a machine for winding yarn spools, a series of winding units, each unit comprising a spindle for carrying the spool to be wound and a yarn guide for said spindle, an electric motor at each winding unit for operating the spindle and yarn guide, an endless conveyor on said machine consisting of at least as many cables as terminals of said electric motor, means for attaching said winding units to said endless conveyor, means for applying electrical energy to said cables for conduction to said electric motors through said attaching means, and means for moving said conveyor in a closed path on said machine.

2,045,873
KEYBOARD MECHANISM
Edwin L. Reller, Central Township, St. Louis County, Mo., assignor to David O. Royster, Overland, Mo.
Application October 10, 1932, Serial No. 637,144
15 Claims. (Cl. 197—6.6)



1. In a mechanism of the character described, in combination, a rotary member, a stop on the member, a swingable arm for registration with the stop, means for shifting the arm for disposing the same in the path of the stop, means operable for latching the arm in shifted position, and means for unlatching the arm responsive to engagement thereof with the stop.

2,045,874
OSCILLATING DYE JIG
Samuel B. Roberts, Cumberland, Md., assignor to Celanese Corporation of America, a corporation of Delaware
Application December 30, 1933, Serial No. 704,635
8 Claims. (Cl. 8—19)



7. In a device of the character described, the combination with a plurality of rollers adapted to selectively take up textile material, of means for actuating said take-up means, movable means independent of said actuating means for selectively oscillating one of said take-up rollers by engagement therewith, means for holding said means for oscillating selectively in non-engagement or engagement with a selected take-up roller, means for converting rotary movement into oscillating movement and imparting same to said means for oscillating.

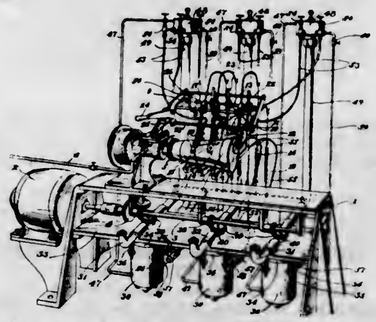
2,045,875
LOG RAFT
Holland Rutledge, Sekiu, Wash.
Application January 23, 1935, Serial No. 2,981
3 Claims. (Cl. 9—15)



1. A log raft comprising two lines of boom sticks for side frames, the ends of said two lines spaced apart closer in relation at their ends than at their center, rows of logs placed parallel between the lines of boom sticks laced for a floor and rows of logs parallel with the boom sticks outside thereof, cables woven over and between the floor logs for holding the same together, said cables wound around said outlying logs for connecting the same to the boom sticks and for rolling said outlying logs up and over the boom sticks, a cargo of logs loaded over the floor and between the boom sticks in staggered relation, and the ends of the cables attached together over the cargo, for binding the same rigidly together for towing on an ocean.

2,045,876
GLASS BANDING MACHINE
John C. E. Schwab and Hobart M. Wheeler, Clarksburg, W. Va., assignors to Hazel-Atlas Glass Company, Wheeling, W. Va., a corporation of West Virginia
Application October 2, 1933, Serial No. 691,838
7 Claims. (Cl. 91—12)

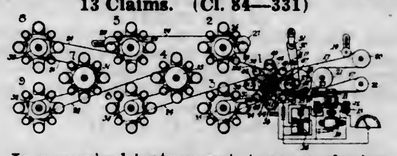
1. An apparatus for painting bands on tapered glass articles, including a plurality of pivotally mounted arms, a roller and an individual reservoir carried by each arm, means for continuously supplying paint to the individual reservoirs, means individual to each arm for independently moving the arms different distances toward the tapered glass article, and means common to all the arms for moving the arms away from the article.



3. An apparatus for painting bands on articles, including a series of arms, a roller and an individual reservoir carried by each arm, a second series of arms, a roller and an individual reservoir carried by each of the arms of the second series, and the arms of the two series being arranged in staggered relation.

6. An apparatus for painting bands on glass articles, including a plurality of rollers and reservoirs individual to each roller, resilient means for bodily moving each roller and reservoir toward the article, a paint pot, a header, a pump continuously supplying paint from the pot to the header, delivery lines leading from the header to a plurality of the individual reservoirs, and the valves for regulating the volume of paint flowing through each individual reservoir.

2,045,877
MUSICAL INSTRUMENT
Melvin L. Severy, Los Angeles, Calif., assignor to The Vocalsevro Company, Los Angeles, Calif., a corporation of Delaware
Application July 15, 1931, Serial No. 550,987
13 Claims. (Cl. 84—331)

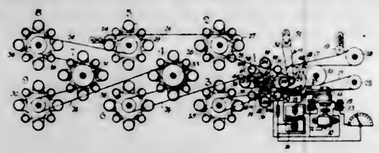


1. In a musical instrument, tone-producing instrumentalities responsive to the operation of a plurality of manuals, and means whereby said tone-producing instrumentalities may be operated at will by any or all of a plurality of players at a plurality of separate consoles.

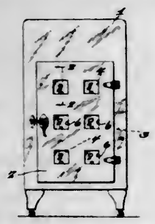
2,045,878
MUSICAL INSTRUMENT
Melvin L. Severy, Los Angeles, Calif., assignor to The Vocalsevro Company, Los Angeles, Calif., a corporation of Delaware
Original application July 15, 1931, Serial No. 550,987. Divided and this application April 10, 1934, Serial No. 719,948
20 Claims. (Cl. 84—349)

1. A musical instrument for producing compound tones the upper partials of which are all

in the same temperament as the first partials or primes, said instrument comprising means substantially such as shown and described, for separately generating individual pulsations of simple sine-wave form and equal temperament; and means for selecting and combining into a composite tone of desired quality any of the pulsations so produced.

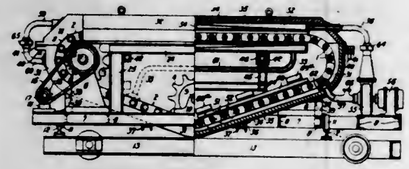


2,045,879
AUXILIARY COMPARTMENT FOR REFRIGERATOR DOORS
Abraham S. Shafer, Philadelphia, Pa.
Application October 1, 1934, Serial No. 746,461
3 Claims. (Cl. 20—35)



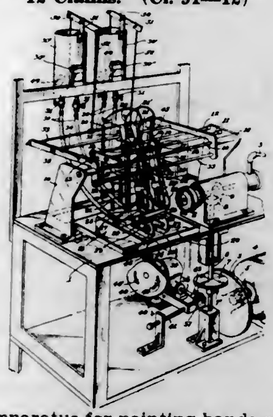
1. In a refrigerator door, a plurality of compartments extending therethrough and having openings in their front and rear walls, panels for closing said openings, guides in the sides of said openings with the panels slidably mounted therein, and means connecting the panels for moving the latter alternately to open and closed positions.

2,045,880
PROCESS AND APPARATUS FOR ANNEALING GLASS PLATES
Frank Edwin Slocombe, Doncaster, England, assignor to Pilkington Brothers Limited, Liverpool, England, a British company
Application September 20, 1934, Serial No. 744,773
In Great Britain September 26, 1933
10 Claims. (Cl. 49—45)



1. Apparatus for annealing glass plates comprising a casing adapted to receive a glass plate, means whereby the temperature of the air in the casing is caused to fall at the rate adapted for annealing, an endless series of rollers in the casing having an upper horizontal flight adapted to support the plate, means for travelling the rollers and means for rotating them at a speed to keep the plate substantially stationary.

2,045,881
GLASS BANDING MACHINE
Isaac H. Strider, Wheeling, W. Va., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va., a corporation of West Virginia
Application May 15, 1934, Serial No. 725,807
12 Claims. (Cl. 91—12)



1. An apparatus for painting bands on ceramic articles, including an oscillatable arm, a paint applying roller carried by the arm, a paint reservoir associated with and movable with said roller, a rod in operative relation with the arm, means for moving the rod to control the movement of the arm toward an article to be decorated, and adjustable means mounted on said rod for regulating the limit of movement of said arm toward the article.

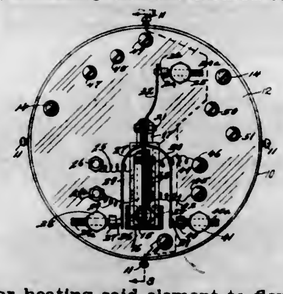
2,045,882
MEANS FOR SETTING BRAKE SHOES
Charles D. Stromgren, Los Angeles, Calif.
Application September 10, 1935, Serial No. 39,903
7 Claims. (Cl. 188—79.5)



1. In combination with a brake shoe lining having a recess therein; a gage of nondurable material consisting of a flat head on the outer face of the lining and a shank on said head extending into the recess in said lining.

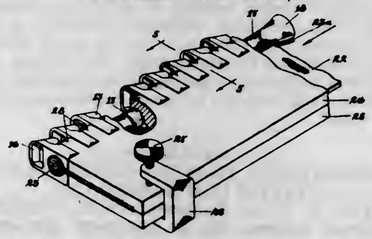
2,045,883
CONTROL FOR OIL BURNERS OR SIMILAR APPARATUS
Charles M. Stroud, Minneapolis, Minn.
Application April 20, 1931, Serial No. 531,387
13 Claims. (Cl. 175—320)

1. A regulator having in combination, a pair of spaced, fixed contacts, a support between said contacts, a thermostatic bar secured at one end to said support, flexible resilient members secured respectively at the sides of said bar at some distance from said support, said members extending from said bar at opposite sides thereof and then extending in substantially parallel relation with their free ends directed toward the fixed end of said bar, one of said members having a contact thereon adapted normally to engage one of said adjustable contacts and the other member having a contact thereon adapted to engage but normally spaced from the other of said adjustable contacts, a heating element secured to said bar,



means for heating said element to flex said bar, and means for supplying current to said bar, members and contacts thereon, whereby said bar will be flexed when heated and the contact on said one of said flexible members will be moved to wipe along its respective one of said adjustable fixed contacts and then be moved away therefrom and the contact on the other of said flexible members will be moved into engagement with its respective adjustable contact.

2,045,884
APPARATUS AND METHOD FOR ASSEMBLING SEPARABLE INTERLOCKING FASTENERS
Gideon Sundback, Meadville, Pa., assignor to Hookless Fastener Company, Meadville, Pa., a corporation of Pennsylvania
Application July 10, 1933, Serial No. 679,692
5 Claims. (Cl. 18—1)



5. Apparatus for use in assembling separable fasteners of the class described which comprises a compression and guide tube having a bell mouth end and a uniform guide portion, said tube having a longitudinally extending slot, and a clamping member having spaced apart fingers adapted to embrace said tube to prevent expansion of the same.

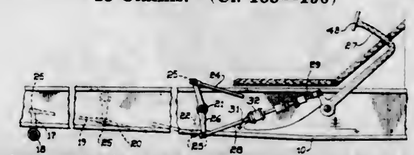
2,045,885
REENFORCED HEMSTITCHING
Hearne Swink, Salisbury, N. C., and Paul White Douglass, Ridgewood, N. J., assignors to Cannon Mills Company, Kannapolis, N. C., a corporation of North Carolina
Application July 25, 1935, Serial No. 33,132
7 Claims. (Cl. 112—266)

4. A new form of hemstitching, comprising a material having hemstitching in one surface thereof, a hem in said material and forming part thereof and disposed on one side of said hemstitching and stitched thereto, and a free edge on said hem overlapping the rear of said hemstitching and reenforcing the same and having



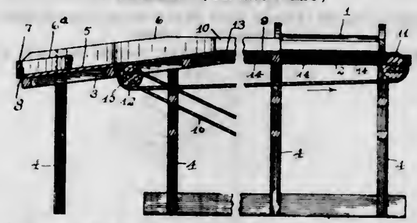
an end thereon, and a row of stitching securing the end of said free edge to the material, a gather being formed between the free edge and the body of the hem, and the said gather being stitched to the hemstitching along with the hem.

2,045,886
BRAKE OPERATING MECHANISM
Milton Tibbetts, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a corporation of Michigan
Application June 10, 1931, Serial No. 543,404
13 Claims. (Cl. 188—196)



1. In a brake system, a sectional brake pedal, a brake linkage, automatic means forming a section in the linkage to take up initial play therein, said automatic means being made effective by initial pedal movement, and means for automatically releasing the take-up means subsequent to brake release.

2,045,887
PACKING TERMINAL FOR FRUIT SORTING MACHINES
Willis A. Trescott, Fairport, N. Y., assignor to The Trescott Company, Inc., Fairport, N. Y., a corporation of New York
Application March 30, 1933, Serial No. 663,557
2 Claims. (Cl. 226—129)



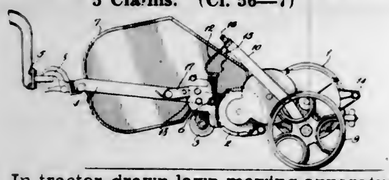
1. In a packing terminal for fruit sorting machines, the combination with a delivery chute, of a table having a substantially horizontal receiving portion in communication with the chute and a relatively inclined packing portion, the inclination of the latter being slight enough to slow the movement of the fruit thereon yet abrupt enough to continue their feeding progress, and a conveying and agitating belt extending across the receiving portion and partly across the packing

portion, said packing portion being provided with marginal rails for limiting the dispersion of the rolling fruit and formed with divided filling gates at the lower end.

2,045,888
PREPARATION OF SULPHENE AMIDES
Eduard Tschünkur and Hugo Köhler, Cologne-Mulheim, Germany, assignors to I. G. Farbenindustrie Aktiengesellschaft, Frankfort-on-the-Main, Germany
No Drawing. Application April 9, 1934, Serial No. 719,746. In Germany April 13, 1933
5 Claims. (Cl. 260—43)

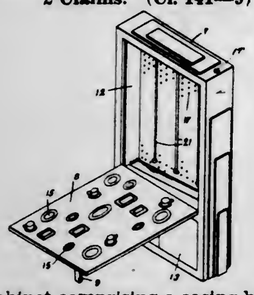
1. The process which comprises subjecting in aqueous medium a sulphur containing compound selected from the group consisting of organic mercaptans and disulphides of the aliphatic, alicyclic, aliphatic-aromatic and heterocyclic series to the action of an oxidizing agent useful in alkaline medium in the presence of a secondary amine.

2,045,889
CARRIER MECHANISM
Arthur S. Tuttle, Salem, Mass., assignor to Worthington Mower Company, Stroudsburg, Pa., a corporation of Delaware
Application July 7, 1932, Serial No. 621,150
5 Claims. (Cl. 56—7)



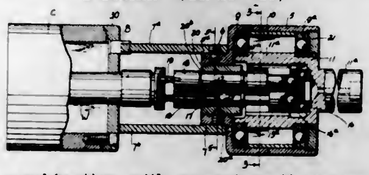
1. In tractor-drawn lawn mowing apparatus in which a hauled mower unit is provided with ground wheels whose contact with and travel upon the ground operates the cutting mechanism of the unit, means for elevating the ground wheels out of contact and driving relation with the ground comprising a carrier device connected with the unit and including a member with wheels journalled thereon, said member being pivoted to swing through its dead center position and having one extreme position in which it holds said wheels off the ground and another in which it locates said wheels in carrying relation to the unit.

2,045,890
SERVICE CABINET
Alfred A. H. Uhalt and Mary Ann Levy Uhalt, Cleveland, Ohio
Application November 7, 1932, Serial No. 641,498
2 Claims. (Cl. 141—9)



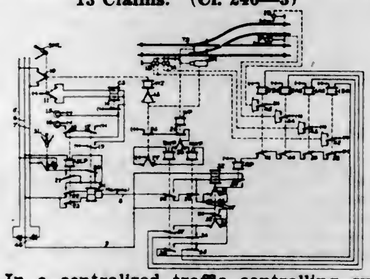
2. A cabinet comprising a casing having a dish-washing and drying compartment, a drop panel carrying dishes permanently attached thereto and forming a closure for said compartment, a perforated spray head coextensive in area with said compartment and arranged therein so as to face said closure when the latter is in closed position, means for discharging a cleaning fluid through the perforations in said head and against said dishes, spaced electrical resistance elements disposed between said spray head and the dishes and means for passing an electric current through said elements to heat the same for the purpose of drying the dishes.

2,045,891
MULTISPINDLE DRILL HEAD
Harry W. Rupple, Shaker Heights, Ohio, assignor to The Cleveland Automatic Machine Company, Cleveland, Ohio, a corporation of Ohio
Application January 21, 1935, Serial No. 2,657
1 Claim. (Cl. 29—40)



In combination with an automatic screw machine having a rotatable work holding chuck and a reciprocable non-rotative tool carrier slide, a multiple drill head therefor comprising an internal gear, non-rotatively mounted in said tool slide, anti-friction bearings mounted on the periphery of said internal gear, a housing mounted on said anti-friction bearings, a driving arm mounted on said housing, operatively engageable with said chuck to rotatively drive said housing, a bearing in said housing rotatable therewith, a plurality of spindles journalled in said bearing, drill chucks on ends thereof, pinions on said spindles arranged in longitudinal staggered relation and intermeshed with said internal gear, the shanks of the circumferentially adjacent spindles being necked to afford a clearance for circumferentially adjacent pinions, a ball thrust bearing in the inner end of each spindle, an anti-friction thrust bearing supporting said balls, said balls constituting thrust bearings and retaining said spindles in parallel alignment with each other.

2,045,892
CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS
Sedgwick N. Wight, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application January 25, 1935, Serial No. 3,476
13 Claims. (Cl. 246—3)



1. In a centralized traffic controlling system for railroads, a stretch of track, a signal for

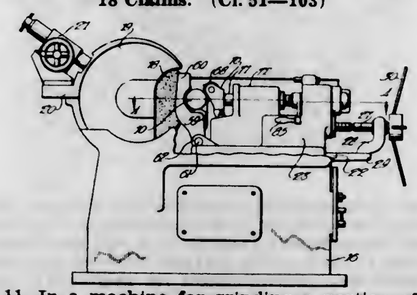
governing traffic over said stretch, a line circuit extending from said signal to a central office, means at the central office for causing current to flow in said circuit, means at said signal responsive to said current in said circuit for clearing said signal, means for increasing the current flow in said circuit throughout the time that said signal is cleared, and means at the central office responsive to said increased current in said circuit for indicating the cleared condition of said signal.

2,045,893
LIQUID SPRAYER
Robert M. Bagley, Haddonfield, N. J., assignor to R. M. Hollingshead Corporation, Camden, N. J., a corporation of New Jersey
Application January 4, 1934, Serial No. 705,271
8 Claims. (Cl. 299—89)



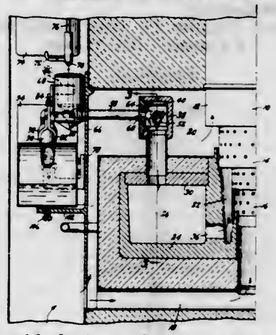
1. A liquid sprayer including a liquid reservoir, an air chamber in communication with said liquid reservoir, a quick-detachable and sealed connection between said air chamber and said liquid reservoir, a generally conical nozzle forming a front terminal of said air chamber and having a spray-discharge opening therein, a liquid-conducting tube extending from said spray-discharge opening in the air chamber, into the liquid reservoir in proximity to the bottom thereof, an opening in the side of said tube near the discharge end thereof, a pump cylinder surrounding said air chamber and extending beyond the same, a pump piston operatively disposed within said pump cylinder, and a check valve intermediate the pump cylinder and said air chamber: said air chamber, said nozzle and said cylinder being secured to each other by a common, annular, interfolded and interlocking seam.

2,045,894
GRINDING MACHINE
George W. Binns, Cincinnati, Ohio, assignor to Cincinnati Grinders Incorporated, Cincinnati, Ohio, a corporation of Ohio
Application December 2, 1931, Serial No. 578,539
18 Claims. (Cl. 51—103)



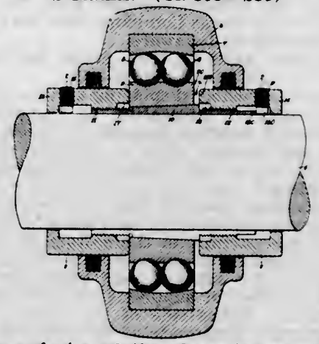
11. In a machine for grinding a portion of a work piece to non-circular contour in predetermined relation to a preformed portion of the work piece, the combination with a grinding wheel, of a work supporting device adjacent the grinding wheel in position to engage a preformed peripheral portion of the work piece, means to effect rotation of the work piece, means for urging the work piece against said supporting device as a guide, and means for effecting an oscillation of the work piece and its supporting device in a direction toward and from the grinding wheel in timed relation with the rotation of the work.

2,045,895
LIQUID FUEL COMBUSTION APPARATUS
Gustaf Erik Björklund, Lidingo, Sweden, assignor to Svenska Aktiebolaget Gasaccumulator, Stockholm, Sweden, a corporation of Sweden
Application March 21, 1934, Serial No. 716,554
In Sweden December 13, 1933
12 Claims. (Cl. 158—36)



1. In liquid fuel combustion apparatus, two vaporizers adapted to vaporize liquid fuel for combustion in a burner and to be heated by heat derived from the burner, means including a part movable to direct liquid fuel to one or the other of said vaporizers, means comprising two communicating liquid containing vessels mounted to move to different positions in response to changes in the relative amounts of liquid in the two vessels for shifting the position of said movable part, and means for supplying heat alternatively to one or the other of said vessels to vaporize liquid therein.

2,045,896
BEARING MOUNTING
Joseph L. Brusca, Philadelphia, Pa., assignor to S K F Industries, Inc., Philadelphia, Pa., a corporation of Delaware
Application May 10, 1935, Serial No. 20,717
2 Claims. (Cl. 308—236)



1. In a device of the character specified, the combination with a bearing housing, of a sleeve

having a taper bearing seat and outwardly extending screw threaded ends, a bearing located within the housing and having a taper bore mounted on the taper seat of the sleeve, interchangeable set nuts mounted on the screw threaded ends of the sleeve, the inner end of the nut being undercut to clear the bearing seat, and adapted to move the bore of the bearing over the said taper seat, and set screws carried by the respective set nuts at the undercut portion, the portion of each set nut carrying the set screw being located beyond the adjacent end of the housing.

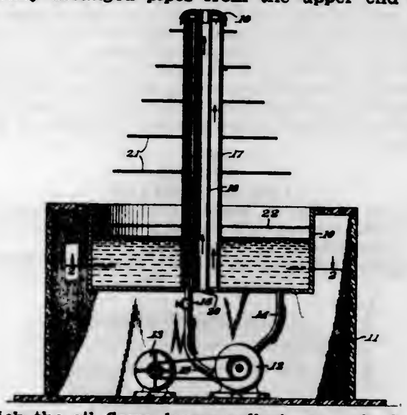
2,045,897
DISPLAY DEVICE
Charles V. Clegg, Dallas, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application October 29, 1935, Serial No. 47,213
4 Claims. (Cl. 35—49)



1. An advertising display device for visibly demonstrating the physical characteristics of a viscous or adhesive material, comprising a container for the material, a disc normally resting upon the surface of the material in the container, and means for moving the disc upwardly at periodic intervals and for rotating it as it is raised to visibly demonstrate the ability of the material to adhere to both the container and the disc during the raising and rotation of the disc.

2,045,898
ADVERTISING DISPLAY DEVICE
Benjamin F. Cullison, Margate City, N. J., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application April 12, 1935, Serial No. 15,948
1 Claim. (Cl. 35—49)

A device for visibly displaying certain physical characteristics of lubricating oil comprising a cabinet, an oil reservoir disposed in the top of the cabinet and formed with a centrally disposed opening in the bottom thereof, a pump disposed in said cabinet, a pair of concentrically arranged pipes extending upwardly from the bottom of the reservoir with the inner of said pipes in registration with the opening in the bottom of the reservoir, a plurality of superimposed spaced discs disposed on the outer of said pipes above the reservoir, a pipe for supplying oil from the reservoir to the intake side of the pump, a pipe connecting the outlet side of the pump with the space between the concentrically arranged pipes, and means for operating said pump to force regulated quantities of oil from the reservoir upwardly through the space between the concentrically arranged pipes from the upper end of

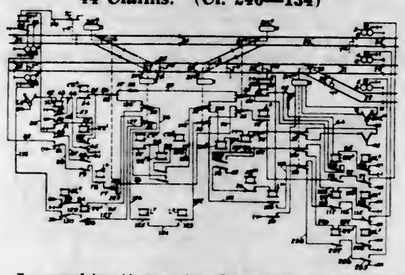


which the oil flows downwardly in an unbroken annular film successively from one disc to another until returned to the reservoir.

2,045,899
METHOD OF INCREASING PRODUCTION FROM WELLS
Eugene L. Davis, Long Beach, Calif., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application April 30, 1935, Serial No. 19,054
10 Claims. (Cl. 166—21)

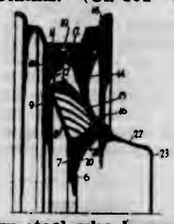
1. A method of increasing the production of a well having a casing set in cement which comprises maintaining an aqueous solution of acetic acid in contact with said cement until the cement has been disintegrated and then removing said solution from the well.

2,045,900
INTERLOCKING SYSTEM FOR RAILROADS
Oscar H. Dicke, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application August 18, 1931, Serial No. 557,809
44 Claims. (Cl. 246—134)



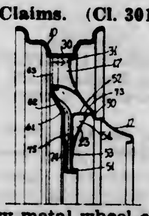
1. In combination, a track switch, a switch machine for operating said track switch, a locking relay for preventing operation of said switch machine, a free and non-lockable lever for applying current to a control circuit for said switch machine which control circuit may only be broken by said lever and by a contact of said locking relay, a signal for governing movement of traffic over said track switch, and control means for said signal permitting clearing of said signal only if said lever and switch machine assume corresponding positions but which does not require such correspondence between said lever and switch machine to maintain said signal clear.

2,045,901
VEHICLE WHEEL
Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 8, 1934, Serial No. 724,475
8 Claims. (Cl. 301—64)



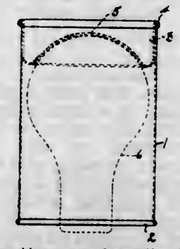
1. An artillery steel wheel comprising a taper gauge one-piece rear spider stamping having radially outwardly successively, an axial flange, a bolting-on flange, a rearwardly diverging cone and front opening shallow channel spoke portions closed at the outer ends, a one-piece lighter-gauge front spider stamping element including rear opening spoke portions of deep channel section closed at the outer end secured to and cooperating with the rear spider spoke portions to form closed end tubular composite spokes and embodying a conical nave having an annular generally axially extending seat radially inwardly of the spokes, and an annular one-piece sheet metal element of lighter-gauge than the rear spider including a cooperating seat nesting within said front spider seat, one of said elements also including an annular rearward extension having a substantially radial rear end flange secured in side surface engagement with the radially outer margin of said bolting-on flange.

2,045,902
COMPOSITE ARTILLERY WHEEL
Carolus L. Eksergian, Detroit, Mich., assignor to Budd Wheel Company, Philadelphia, Pa., a corporation of Pennsylvania
Original application April 4, 1932, Serial No. 603,084. Divided and this application May 9, 1934, Serial No. 724,647. Renewed January 2, 1936
7 Claims. (Cl. 301—9)



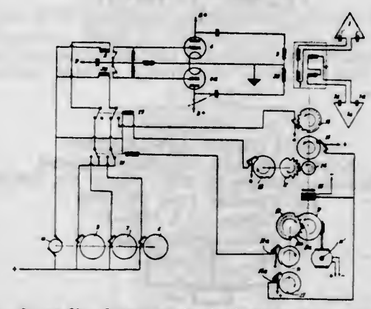
1. An artillery metal wheel comprising a main body portion including an annular nave and a plurality of spokes of channel shaped cross section projecting from said nave, and a wheel shroud including an annular nave portion and a plurality of wheel shrouding members projecting radially outwardly from the annular nave portion, said wheel shrouding members receiving said spoke members and being secured thereto, the nave portion of the shroud member being spaced from the nave portion of the main body, and a reinforcing annulus interconnecting said nave portions.

2,045,903
VAPORIZING DEVICE
Paul R. Fortin, Baldwin, N. Y., assignor to Nu-Myst Co., New York, N. Y., a partnership comprising Paul R. Fortin, A. Vinton Clark, and Louis C. Wolfson
Application November 16, 1935, Serial No. 50,137
5 Claims. (Cl. 219—45)



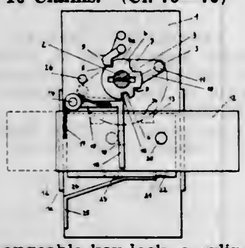
1. A combination as described comprising an electric light bulb, a metal tube surrounding said bulb, a cup-shaped closure member for one end of the tube resting on top of the bulb and adapted to receive a substance to be vaporized, said tube surrounding said bulb to receive heat radiated therefrom and to conduct it to the closure member to facilitate vaporization of its contents.

2,045,904
RADIO BEACON
John Magarry Furnival, Purley, and William Frederick Bubb, Mitcham, England, assignors to Radio Corporation of America, a corporation of Delaware
Application February 21, 1931, Serial No. 517,408
In Great Britain March 5, 1930
7 Claims. (Cl. 250—11)



1. A radio beacon installation comprising a pair of mutually perpendicular fixed frames, means for energizing said frames simultaneously to emit a call sign, means for energizing said frames to emit stationary equi-signal zones, means for energizing said frames to emit rotating equi-signal zones, means for energizing said frames to emit a field which may be represented by a rotating figure-of-eight and a predetermined train of signals each time said figure-of-eight passes through a predetermined bearing and means for cyclically and successively rendering said various energizing means operative for predetermined periods.

2,045,905
LOCKING DEVICE FOR SAFETY PURPOSES
Simon Futran, Berlin, Germany
Application June 4, 1934, Serial No. 728,927
In Germany December 27, 1933
10 Claims. (Cl. 70—70)



1. In a changeable key lock, a cylinder having a slot for insertion of a key, a bolt member, a plurality of individually operable and rotatable locking discs mounted on said cylinder, and means for selectively coupling said discs and said cylinder, in combination with a locking member, and bolt member stopping means; two recesses in each of said locking discs; said locking member being adapted to engage an uninterrupted line of recesses temporarily formed by one of said recesses of each disc in the course of a locking and of an opening turn of said key, said discs including means to remove the locking member from said recesses upon the turning of any selected disc to move the recesses out of alignment; said locking member, when in its one position, being out of the path of said stopping member, and when in its other position being in the path of said stopping member.

2,045,906
COATING COMPOSITION
Earl W. Gardner, Harry Roden, and Dudley H. Felder, Port Neches, Tex., assignors to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application January 30, 1934, Serial No. 708,964
5 Claims. (Cl. 106—31)

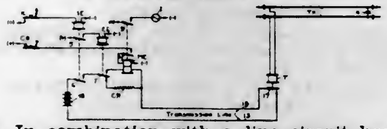
1. A coating composition consisting of a major proportion of cycle asphalt, a lesser proportion of substantially uncracked petroleum asphalt and from 10% to 50% of a finely divided mineral filler.

2,045,907
BREATHING APPARATUS
Kurt A. Gerson, London, England
Application October 16, 1934, Serial No. 748,496
In Germany June 26, 1930
7 Claims. (Cl. 183—1)



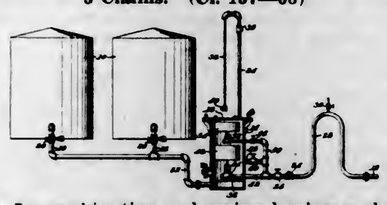
1. In a self-contained breathing apparatus, an air regenerating unit for treating air exhaled by the wearer of the apparatus, the unit comprising a cartridge of air-regenerating material provided with an inlet opening for passing exhaled air into the cartridge, and with an outlet opening for egress of the treated air, and cartridge-holding means for receiving said cartridge slidably and adapted to make a gas-tight fit with the cartridge, said cartridge being so constructed that it is replaceable when another cartridge is inserted in direct contact therewith and that such contact prevents access of external atmosphere into the apparatus during the replacing operation.

2,045,908
CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS
William D. Hailes, Brighton, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application October 31, 1934, Serial No. 750,828
14 Claims. (Cl. 246—3)



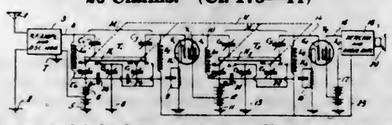
1. In combination with a line circuit having distributed capacity, a source of energy, a line relay, means for at times including said source and said line relay in series in said line circuit, and means for precharging the distributed capacity of said line circuit from said source each time before said source and said line relay are included in series in said line circuit.

2,045,909
AUTOMATIC SHUT-OFF VALVE FOR TANKS
Cull C. Haralson, Olney, Tex., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
Application August 30, 1934, Serial No. 742,031
3 Claims. (Cl. 137—68)



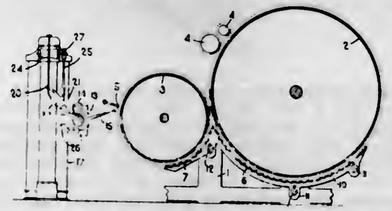
1. In combination, a housing having a chamber adapted to be filled with a liquid, a suction outlet conduit connected to said housing, a main valve at the end of said conduit within said housing, a float connected to said valve for normally maintaining said valve open when the liquid level in said chamber is above said float, a branch conduit connected to said suction conduit and to said housing, a pilot valve at the end of said branch conduit within said housing and above said main valve, and a second float connected to said pilot valve for opening said pilot valve to reduce the suction in said suction conduit when the liquid in said housing reaches a height sufficient to raise said second float.

2,045,910
HIGH FREQUENCY COUPLING SYSTEM
Daniel E. Harnett, Tuckahoe, N. Y., assignor to Hazeltine Corporation, a corporation of Delaware
Application May 31, 1934, Serial No. 728,438
26 Claims. (Cl. 178—44)



4. In a high frequency coupling system comprising a plurality of resonant circuits, each containing inductance and capacitance and tuned to a selected frequency, said circuits being capacitively coupled, means for adjusting the capacitive coupling between said circuits to vary the resonance band width of said system and for altering only the capacitance of each of said circuits by substituting for capacitance thereof capacitance of a different value so as to prevent simultaneous shifting of the resonance band in the frequency scale.

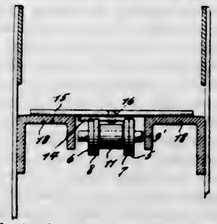
2,045,911
CARDING AND SLIVER FORMING MECHANISM FOR MIXED FIBERS
Clifford Holdsworth, Springvale, Maine, assignor to Goodall Worsted Company, Sanford, Maine, a corporation of Maine
Application March 22, 1933, Serial No. 662,118
7 Claims. (Cl. 19—107)



6. Carding and sliver forming mechanism for mixed mohair and cotton fiber for preventing the separation from the mixture of the relatively heavier and more slippery fiber and for retaining the predetermined proportions of the mixed fiber comprising a carding machine having a main cylinder and a doffing cylinder each provided with card clothing and cooperating carding elements, sliver condensing means, a coiling machine, a perforated screen corrugated transversely of the main and doffer cylinders and located beneath and with the tops of the corrugations in close proximity to the peripheral surface of the card clothing of the main and doffer cylinders, the said screen acting to support fibers falling from the main and doffer cylinders in position to be retrieved by said cylinders and reincorporated into the carded bat during the carding operation and the corrugations and perforations of the screen acting to collect foreign matter commonly associated with the fiber and to separate it from the fiber deposited on the screen and discharge it through the perforations, means for supporting the doffed sheet of carded fiber from beneath until it is condensed into a sliver, means for guiding the condensed sliver into a free vertical path and a positively driven feeding roll mounted at the upper end of said vertical path and adjacent to the entrance of the coiling machine acting to feed the sliver upward free from substantial strain other than that of its own weight and acting to divert the sliver from the said vertical path and to support and feed it into the coiling machine.

2,045,912
CONVEYER CHAIN
Robert J. Howison, Philadelphia, Pa., assignor to The Whitney Chain & Mfg. Company, Hartford, Conn., a corporation of Connecticut
Application August 25, 1934, Serial No. 741,509
3 Claims. (Cl. 198—189)

1. A chain comprising links in the form of plates arranged in pairs, with the plates in one pair overlapping those in adjoining pairs, the plates in alternate pairs being disposed outside of those in the intermediate pairs, pins fixed in aligned holes in the outer plates of said alternate pairs, and bushings fixed in aligned holes in the plates of said intermediate pairs, said pins extending through said bushings and having a substantially uniform cylindrical cross-section

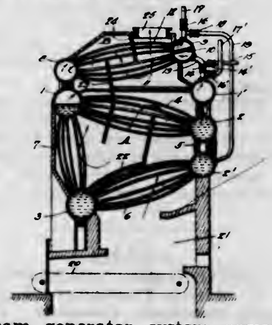


throughout their lengths and extending a substantial distance beyond the plates in said alternate pairs, the ends of said pins thus forming means to keep the chain links out of contact with apparatus through which the chain passes.

2,045,913
CASTING LIGHT METAL
John E. Hoy and Leslie Brown, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a corporation of Michigan
No Drawing. Application August 28, 1933, Serial No. 687,162
3 Claims. (Cl. 22—192)

3. In casting magnesium in sand molds and the like, the step which consists in applying to the surfaces within the mold cavity a mixture containing a wax, a liquid chlorinated aliphatic hydrocarbon and a finely divided substantially inert solid material selected from the group consisting of talc, silica, kieselguhr, kaolin, magnesium oxide, limestone, fuller's earth.

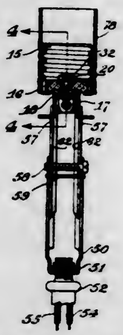
2,045,914
WATER TUBE BOILER HAVING STEAM SUPERHEATER INTERCHANGEABLE TO FEED PREHEATER
Miyokichi Ikeda, Okubo, Yodobashiku, Tokyo, Japan
Application June 27, 1933, Serial No. 677,822
In Japan October 1, 1932
3 Claims. (Cl. 122—478)



1. A steam generator system comprising in combination, a water tube boiler having at least three spaced drums interconnected in a continuous closed circuit or series by means of groups of steam tubes, one of which drums is a boiler steam drum disposed at a higher level than the other drums, a steam superheater wholly spaced over said boiler and comprising two spaced steam superheater drums, of which one superheater drum is disposed at a higher level than the other

superheater drum and subdivided by means of an interior partition into a pair of separate upper and lower steam chambers which are each connected by steam tubes with said other superheater drum, means including a valve controlled pipe connecting said boiler steam drum with the lower steam chamber of said subdivided superheater drum, there being a valve controlled feed water main connected to said steam generator system for supplying water to at least a portion of said system at will, and a steam outlet main connected to the upper steam chamber of said subdivided superheater drum, there being means for simultaneously heating said water tube boiler and steam superheater, an auxiliary steam drum disposed over the boiler and forming part of the means connecting the boiler steam drum with the lower steam chamber of the subdivided superheater drum and being connected between the boiler steam drum and the valve control in said connecting means, and an auxiliary steam outlet main connected to said auxiliary steam drum.

2,045,915
LAMP SOCKET
Gustaf A. Johnson, New Bedford, Mass.
Application December 5, 1931, Serial No. 579,130
3 Claims. (Cl. 240—52.4)



1. An electric socket adapted for use as a candle socket comprising a screw shell, an insulating disk mounted in the base of said shell, a support base fastened to said disk and an extensible support fastened to said support base, said extensible support comprising a pair of shanks in parallel relation, said shanks being provided each with a series of interior grooves, a forked member slidably mounted on said shanks and a key carried by said forked member having shoulder portions adapted to lock in said grooves on said shanks for holding said forked member locked in adjusted position thereon.

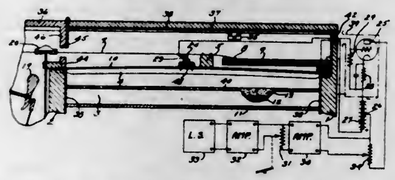
2,045,916
OPHTHALMIC MOUNTING
Laurence C. Martin, Providence, R. I., assignor to Martin-Copeland Company, Providence, R. I., a trusteeship consisting of Edgar W. Martin, Laurence C. Martin, and George W. Bleecker
Application July 27, 1934, Serial No. 737,221
1 Claim. (Cl. 88—53)

In an ophthalmic mounting for spectacles, the combination with the split rim of a spectacle frame, of end-pieces thereon for connecting the ends of the rim, each of said end-pieces having stepped parallel faces offset in different planes with a shoulder therebetween, said end-pieces cooperating to provide a slot-like opening, a shim having laterally-extending end portions offset in different planes for abutting engagement with the parallel stepped faces of one of the end-pieces, a temple having an end lying wholly between the shim and opposite end-piece, a screw passing through one end-piece and through the shim and screwed into the other end-piece to draw the ends of the rim together to bind it against the periphery of the lens, and a



second screw extending through a hole in the shim and a hole in the end of the temple and screwed into the opposite end-piece to pivotally connect the temple therewith, the end-piece abutting the shim being provided with an opening for receiving the head of the pivot screw whereby the temple is held between the shim and opposite end-piece so that it may be released by withdrawing the screw through the opening without disconnecting the end-pieces.

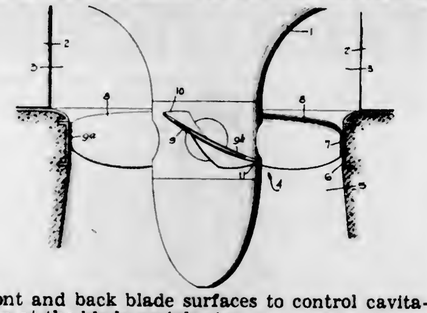
2,045,917
METHOD AND APPARATUS FOR THE PRODUCTION OF MUSIC
Benjamin F. Miessner, Millburn Township, Essex County, N. J., assignor to Miessner Inventions, Inc., a corporation of New Jersey
Original application December 14, 1932, Serial No. 647,154. Divided and this application May 13, 1935, Serial No. 21,206
11 Claims. (Cl. 84—173)



1. In the production of music by an instrument having a resonator, the method of sound output control which comprises absorbing the sound radiation from one side of said resonator and selectively regulating the efficiency of radiation from the other side thereof.

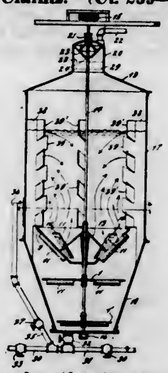
2,045,918
CAVITATION CONTROL MEANS FOR BLADE PERIPHERY
Lewis Ferry Moody, Princeton, N. J., assignor to Baldwin-Southwark Corporation, a corporation of Delaware
Application December 29, 1933, Serial No. 704,451
4 Claims. (Cl. 253—117)

1. A hydraulic machine having a runner and inlet and outlet passages therefor wherein water pressures above and below atmosphere normally exist on opposite sides of the runner, said runner having a hub and a series of separate unshrouded propeller blades projecting from said hub at spaced points on a circle thereof, and each of said blades being provided with a normally peripheral groove formed as a recess between the



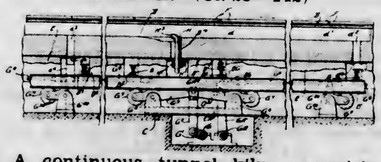
front and back blade surfaces to control cavitation at the blade peripheries.

2,045,919
APPARATUS FOR THE TREATMENT OF ORES
Charles F. Parraga, Mexico, D. F., Mexico
Application April 25, 1935, Serial No. 18,106
6 Claims. (Cl. 259—107)



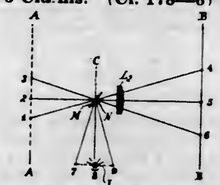
1. Apparatus for the treatment of finely divided particles suspended in a liquid or semi-liquid, comprising, a container for the liquid carrying said particles, an agitator in the lower portion thereof producing upward motions of said liquid, deflectors arranged transverse to radii and located in the upper portion of said container, to produce inward motions of said liquid in directions contrary to the first mentioned motions, and means for producing an effective vacuum in said container.

2,045,920
TUNNEL KILN
Clifford Hunt Parmelee, Syracuse, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application February 27, 1936, Serial No. 66,038
12 Claims. (Cl. 25—142)



1. A continuous tunnel kiln, comprising in combination a movable kiln chamber housing unit providing a wall surrounding a horizontally elongated kiln chamber and formed with one or more slots in the portion of said wall beneath, and extending longitudinally of said chamber, stationary goods supporting means including an elongated part parallel to, and extending upward into each such slot, and means for giving said unit cyclic movements, each including an upward component, a horizontal component in the direction of goods movement through the kiln chamber, a downward component, and a horizontal component opposite in direction to the first mentioned horizontal component, whereby said unit is adapted to alternately lift wares in the kiln chamber above and return them to a level at which said wares are supported by said stationary means, and to move the wares longitudinally of said stationary means in said direction of goods movement when the wares are above said level, and to move in the opposite direction without a corresponding movement of the wares when the latter are at the level at which they are supported by said stationary means.

2,045,921
TELEVISION SYSTEM
William Hoyt Peck, Scarsdale, N. Y.
Application December 7, 1931, Serial No. 579,521
3 Claims. (Cl. 178—6)



1. In a system of television the combination of, a plane screen for receiving a projected image, a stationary light source, an anastigmatic lens constructed and positioned to provide a flat field distortionless image upon said screen, and means rotatable for deflecting approximately at the nodal point of emission of said lens, light from said source upon said screen.

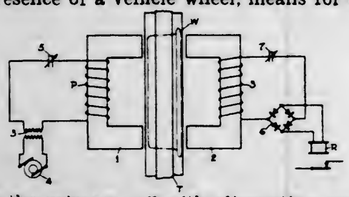
2,045,922
MANUFACTURE OF LUBRICATING OIL
Ernest F. Pevere, Beacon, N. Y., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application May 28, 1934, Serial No. 727,985
6 Claims. (Cl. 87—9)

1. A mineral lubricating oil of relatively higher viscosity index comprising a petroleum lubricating oil of relatively lower viscosity index and a Saybolt viscosity at 100° F. in excess of 100 admixed with about 5%—15% by weight of the semi-liquid products of the character found in oxidized paraffin wax and consisting of only a minor proportion of acids and a major proportion of other saponifiable compounds including esters, such products containing substantially no unoxidized wax.

2,045,923
INDUCTIVE DEVICE FOR DETECTING THE PASSAGE OF RAILWAY VEHICLES
Wade H. Reichard, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application January 15, 1935, Serial No. 1,923
6 Claims. (Cl. 246—249)

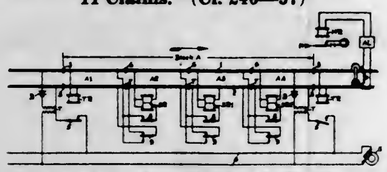
1. A device responsive to the passage of railway vehicles comprising inductively coupled primary

and secondary coils disposed in position relative to a track rail to have their coupling reduced by the presence of a vehicle wheel, means for ener-



gizing the primary coil with alternating current, and electro-responsive means connected to the secondary coil.

2,045,924
CONTINUOUS INDUCTIVE TRAIN CONTROL SYSTEM
Wade H. Reichard, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application January 25, 1935, Serial No. 3,481
11 Claims. (Cl. 246—57)



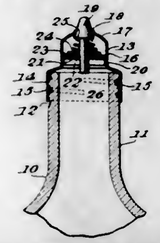
1. In a system of continuous inductive control for railroads, the combination with a portion of track constituting a block, of means for supplying rail current to one end of said block, and means responsive to the presence of a train at intermediate points in said block for interrupting the rail circuit and the flow of rail current in the rear of such train.

2,045,925
INSECTICIDE AND FUNGICIDE
Theron P. Remy, Los Angeles, Calif., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application October 15, 1932, Serial No. 637,991
5 Claims. (Cl. 167—22)

3. An insecticide and fungicide in the form of a readily atomizable liquid consisting essentially of a polar organic carrier liquid and a liquid organic sulfur compound recoverable from petroleum and the products of refining the same selected from the group consisting of mercaptans and disulfides.

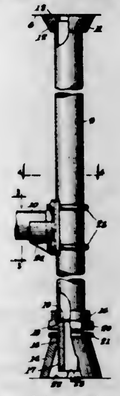
2,045,926
DISPENSER
Philip A. Reutter, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
Application September 12, 1935, Serial No. 40,244
3 Claims. (Cl. 221—16)

1. A dispenser comprising a closure cap having an orifice therein, a tapered closure plug mounted in the cap and projecting through the orifice and having a rounded end portion and a central depending guide stem of smaller diameter than the plug forming an annular shoulder beneath the plug, a spider secured in the cap and forming a support with openings therein and a central hole therethrough to receive the guide stem, a spiral spring encircling the stem and positioned intermediate the shoulder of the plug and the spider in a manner to normally retain the annular tapered surface of the plug in engagement with the walls of the orifice to close the same, an



annular opening being formed around said plug when the same is pressed inwardly, variable inward pressures forming variable annular openings dependent upon the amount of the pressure exerted on the outer end of the plug.

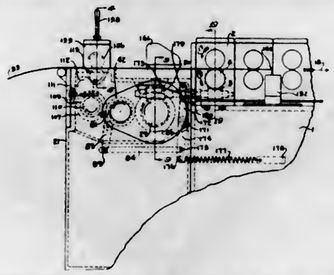
2,045,927
PIPE STANCHION
Max E. Ritter, New York, N. Y.
Application May 7, 1934, Serial No. 724,247
2 Claims. (Cl. 254—98)



1. In a pipe stanchion adapted for use between opposed upper and lower surfaces, an upright comprising an intermediate vertical member, socket means at each end of the member, one of said socket means having contact with one of said surfaces and jack means between the other socket means and the other of said surfaces, said jack means comprising a base having contact with the last mentioned surface, and provided with notches receptive of means to prevent turning of the base during assembly of the upright, said other socket means having a shank integral therewith and threadedly engaged in the base and means to lock the shank against inadvertent movement in the base.

2,045,928
STOCK CUTTING MECHANISM
Norbert Rubin, Cleveland, Ohio, assignor to McKinney Tool & Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application November 11, 1932, Serial No. 642,229
8 Claims. (Cl. 164—49)

1. A stock cutting mechanism comprising, in combination, means for advancing the stock, trigger means arranged to be engaged by the advancing stock, a clutch detent connected with and releasable by actuation of the trigger, an overrunning clutch arranged to be released by the clutch detent, power means connected with the clutch, cam means arranged to be driven by the clutch when engaged, a carriage movable parallel to and in the direction of movement of the

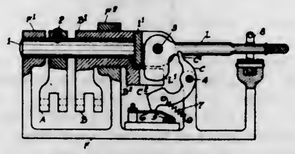


advancing stock, said cam being arranged to engage and move the carriage in unison with the advancing stock, severing means on the carriage, and a second cam means for actuating the severing means during movement of the carriage in unison with the stock.

2,045,929
PROCESS FOR THE SEPARATION OF METHYL AMINES
Lloyd C. Swallen, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a corporation of Maryland
No Drawing. Application August 29, 1932, Serial No. 630,796
6 Claims. (Cl. 202—39)

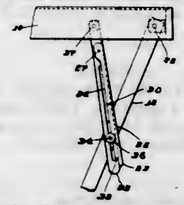
1. In a process for the separation of a mixture containing di- and tri-methyl amines the steps which comprise absorbing the di-methyl amine and at least a part of the tri-methyl amine in water and displacing the tri-methyl amine from the resulting aqueous solution by contacting said solution with gaseous di-methyl amine.

2,045,930
EMERGENCY OPERATOR FOR RAILWAY TRAFFIC CONTROLLING DEVICES
Herbert B. Taylor, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application February 27, 1931, Serial No. 518,751
28 Claims. (Cl. 246—393)



1. An operating means for a railway traffic controlling device comprising an operated means, an operating lever arranged to move in a definite plane to disconnect a normal operating member from the means and to move in another plane substantially at right angles to said first plane of motion to manually operate a railway traffic controlling device through said means and means cooperating with said operating lever to prevent motion of said normal operating member when it is disconnected from the operated means by said lever.

2,045,931
CARD TABLE
George H. Thacher, Melrose, and Charles C. Willson, Newton, Mass.
Application July 18, 1934, Serial No. 735,766
6 Claims. (Cl. 311—86)

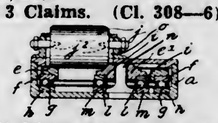


5. In a card table in combination, a top structure including a four sided hollow frame, legs pivotally secured to said frame for folding movement, an inclined brace for each leg pivotally supported from said frame and slidably connected to the leg, and a gravity operable locking member associated with each brace for movement into position to prevent relative sliding movement between the brace and leg and adapted to be moved by gravity into a leg locking position as the table is set up ready for use and to be moved by gravity to the leg releasing position as the table is turned over preparatory to folding the legs.

2,045,932
COATING COMPOSITION
Percival Theel, Jarrettown, Pa.
No Drawing. Application September 4, 1930, Serial No. 479,809
10 Claims. (Cl. 91—70)

1. The process of protecting surfaces of iron and steel subjected to wide variations of temperature from atmospheric corrosion and rusting which comprises applying thereto in the form of a paint a binder substantially composed of decomposable organic material forming a hard, substantially water-insoluble skin which is weather resistant at relatively low temperatures up to about 400° C. but which will burn off or otherwise cease to protect it at high temperatures, and a fusible frit which when it fuses will give a water-insoluble surface glaze to the metal to protect it at both low and high temperatures, and subjecting the metal to a high temperature to remove at least part of the binder and to cause some melting of the frit, the decomposition point of the binder and the melting point of the frit overlapping to provide a composition for protecting the metal at temperatures ranging from ordinary temperatures to red heat and above.

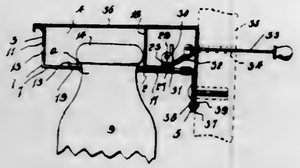
2,045,933
ANTIFRICTIONAL BEARING
Claude Mortimer Townsend, Birmingham, England
Original application January 13, 1932, Serial No. 586,437, now Patent No. 1,970,439, August 14, 1934. Divided and this application December 23, 1933, Serial No. 703,812. In Great Britain January 13, 1931
3 Claims. (Cl. 308—6)



1. An anti-frictional bearing for a straight line moving load, comprising a casing, two tables

adapted to revolve separately within said casing, anti-frictional means supporting said tables within said casing both as to axial and transverse thrusts, and a roller mounted diametrically across said tables, one end of said roller being supported upon one table and the other end of said roller being supported upon the other table.

2,045,934
LOCKING DEVICE FOR MILK BOTTLES
Clarence E. Valentine, Lancaster, Ohio
Application August 10, 1935, Serial No. 35,642
1 Claim. (Cl. 232—41)



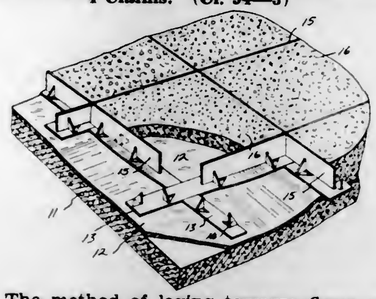
In a locking device for milk bottles, a rectangular oblong casing formed in its bottom wall with a pair of corresponding longitudinally spaced parallel slots adapted to receive the necks of the milk bottles, a substantially U-shaped locking element pivoted adjacent one corner to the bottom wall of the casing, lugs or extensions formed at the outer ends of the leg portions of the locking element and adapted to extend partially across said slots, and engage the bottle necks at the front when said locking element is in operative or bottle engaging position, a spring controlled latch for holding the locking element in operative or bottle engaging position and a handle connected with the free end of the latch for releasing the locking element from the inside of the building.

2,045,935
FASTENER
Paul W. White and Paul Heinze, Chicago, Ill., assignors, by mesne assignments, to American Buckle Co., Inc., West Haven, Conn., a corporation of Connecticut
Application December 8, 1933, Serial No. 701,440
6 Claims. (Cl. 24—194)



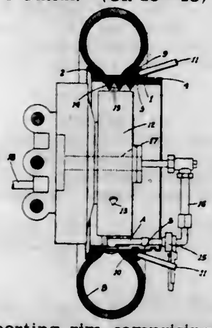
6. A slide buckle, comprising a pair of slidably engaged frames each having side bars and cross bars connecting said side bars defining at least one slot for receiving straps threaded therethrough, one of said frames having a cross bar acting to support a garment or other article and another cross bar having a raised portion engaging said strap, the other of said frames having three cross bars in which one of these cooperates with said strap engaging bar to clamp said strap in adjusted positions therebetween upon the tensioning of said strap and the other cross bars are raised out of the plane of the frame to pass over the strap engaging raised portion of the other frame.

2,045,936
CONSTRUCTION OF TERRAZZO AND LIKE FLOORS
Henry F. Wieger, Detroit, Mich., assignor of one-half to Anthony Casciani, Detroit, Mich.
Application May 20, 1932, Serial No. 612,545
4 Claims. (Cl. 94—3)



1. The method of laying terrazzo floors upon sub-floors which consists of first applying a cushion coat of plastic material directly upon the sub-floor, then laying flexible slotted leveling strips flat upon the cushion coating in desired configurations, then positioning vertical divider strips in the slots of the leveling strips and across any unevennesses in the leveling strips, and then laying the terrazzo topping upon the cushion coating between the divider strips.

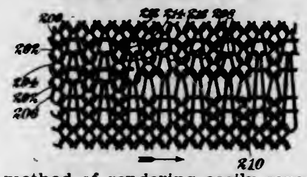
2,045,937
TIRE MOUNTING RIM CONSTRUCTION
Herbert J. Woock, Lodi, Calif., assignor to Super Mold Corporation, Lodi, Calif., a corporation
Original application June 6, 1932, Serial No. 615,641. Divided and this application June 17, 1935, Serial No. 26,982
1 Claim. (Cl. 18—18)



A tire supporting rim comprising a rim band to receive a tire and having a bead engaging flange about one edge of the band, a locking ring slidable onto the band from its opposite edge to engage the other bead of the tire, said band having a pair of transversely spaced circumferential grooves in its outer face adjacent its opposite edge, circumferentially spaced passages leading from said edge to the innermost groove and intersecting the outermost groove, and lugs projecting inwardly from the ring in spaced relation corresponding to the passages and of a length and depth less than that of the passages to freely enter the same, and of a width less than that of the grooves to enter the same when said lugs are moved along the passage into transverse alinement with either groove and the ring is then rotated; the portions of the passages extending between the edge of the band and

the outermost groove being wider than the portions of the passages extending between the grooves, while the walls of said passage portions at one side lie in common alinement whereby the inner wall offset formed between the wide and narrow portions of the passages at the inner wall of the outer groove form abutments useable for engagement with the lugs to locate the latter in alinement with said outer groove.

2,045,938
CIRCULAR KNITTING MACHINE AND METHOD OF KNITTING
Percival Arthur Bentley, Frederick Edward Deans, Charles Frederick Manger, and Carlyle Herbert Wainwright, Leicester, England, assignors to The Bentley Engineering Company Limited, Leicester, England
Application April 22, 1933, Serial No. 667,444
In Great Britain April 27, 1932
5 Claims. (Cl. 66—1)



4. A method of rendering easily separable the individual articles of a series of articles knitted in string formation by a circular knitting machine having upper and lower needle cylinders and having separate yarn feeding positions spaced circumferentially of the needle cylinders, which comprises forming the fabric by knitting a thread with the needles of both cylinders at one feeding position, and knitting a draw thread for at least a course at a second feeding position with the needles of one cylinder only, continuing the knitting of the fabric with all needles, and subsequently removing the draw thread to slacken certain of the loops of the fabric.

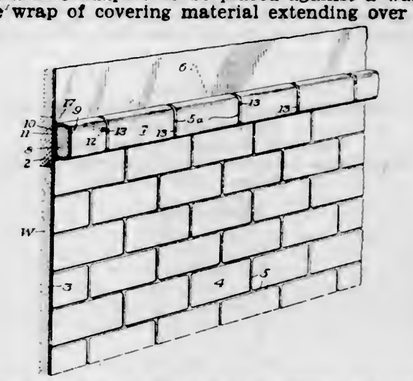
2,045,939
CLEANING AND MASSAGE DEVICE FOR DENTAL PURPOSES
Lloyd H. Blanchard, Barre, Mass.
Application March 18, 1935, Serial No. 11,570
2 Claims. (Cl. 15—188)



1. A device for dental purposes, comprising a collapsible element having a relatively rigid base and spaced concentric annular walls of thin flexible material having a depth much greater than their thickness, with a central cup-like chamber within the inner wall of such diameter as to substantially enclose an inter-dental space, and with the annular chamber between the walls of greater depth than said central chamber.

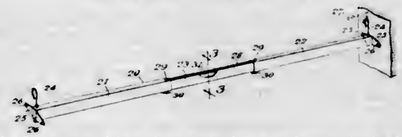
2,045,940
WALL CONSTRUCTION
Norman A. Brand, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application August 1, 1931, Serial No. 554,501
10 Claims. (Cl. 20—4)

1. A binder strip comprising a core having a wrap thereover of a flexible hard surface covering of the linoleum felt base type, the strip having a face adapted to be placed against a wall, the wrap of covering material extending over a



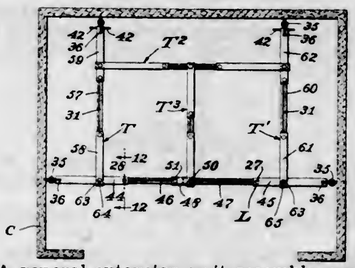
portion at least of said face, then around the core and then onto said face in overlapping relation with itself so as to provide an offset.

2,045,941
SUPPORT AND DISPENSING DEVICE
Samuel C. Brody, Brighton, Mass.
Application March 11, 1935, Serial No. 10,541
10 Claims. (Cl. 299—20)



1. In a combination article, a telescopic hollow rod comprising end sections and an intermediate section having a longitudinal slot, means associated with said end sections whereby the rod may be attached to supports, means associated with said end sections and slidable in said slot of the intermediate section providing for and holding the adjustment of said sections, and said intermediate section receiving a volatile substance and being vented to atmosphere through said slot thereof.

2,045,942
SUPPORT
Samuel C. Brody, Brighton, Mass.
Application April 5, 1935, Serial No. 14,950
8 Claims. (Cl. 211—182)



1. A general extension unit assembly comprising a plurality of extension units, each unit comprising a pair of end sections and at least one intermediate section telescopically engageable therewith, and an end section of at least one

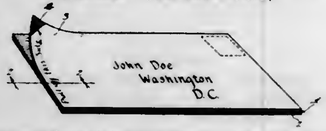
unit being provided with means engageable with a selected portion of a similar unit disposed in angularly intersecting relation thereto for interlockingly connecting such units as a framework.

2,045,943
CREASING AND STRETCHING DEVICE FOR TROUSERS
James D. Daniel, Linden, Tenn.
Application November 7, 1935, Serial No. 48,762
3 Claims. (Cl. 223—63)



1. An apparatus of the class described comprising two units each having a pair of creasing and stretching bars for insertion through the legs of trousers, sleeves carried by adjacent ends of the bars, a shank threading through certain of the sleeves with the remaining sleeves free on the shank, turning movement of the shank in one direction moving the sleeves threaded thereon into contact with the remaining sleeves and moving all of the sleeves in a direction to impose separating movement upon the adjacent end portions of the bars.

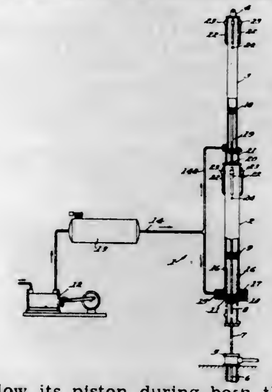
2,045,944
MAILABLE BLOTTER
George C. Domke, Chicago, Ill.
Application September 13, 1935, Serial No. 40,367
7 Claims. (Cl. 229—92.8)



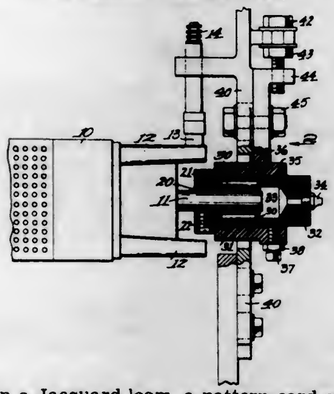
2. As an advertising medium, the combination with a blotter having a permanent backing sheet on one side, of an easily removable sheet secured to the other side.

2,045,945
FLUID MOTOR
Richard H. Carr, Chicago, Ill., assignor to The Pure Oil Company, Chicago, Ill., a corporation of Ohio
Application June 23, 1932, Serial No. 618,926
7 Claims. (Cl. 121—118)

1. Motor apparatus of the character set forth comprising a motor cylinder, a super-posed and vertically aligned counter-balancing cylinder, pistons mounted in said cylinders, the piston in the motor cylinder having a greater diameter than the piston in the counter-balancing cylinder, a rigid connection uniting said pistons for unitary movement, said pistons having a gravity load suspended therefrom, valve means governed by the stroke of the piston in the motor cylinder for alternately admitting a gaseous fluid under pressure into the working cylinder below the piston therein during the up-stroke of the piston and expelling said fluid to the atmosphere upon the down stroke of said piston, cooperative means for maintaining said working fluid under a substantially constant pressure in the counter-balancing cylinder below its piston during both the up and down strokes thereof, a by-pass provided in connection with the upper end of each of said cylinders and beyond the normal stroke of the pistons therein to permit fluid to pass from the portion of the cylinder below said piston to that portion above, thereby forming a pneumatic check means to arrest an abnormal upward movement of said pistons upon sudden release of the load suspended therefrom and a restricted breather vent adjacent the lower end of said by-pass.

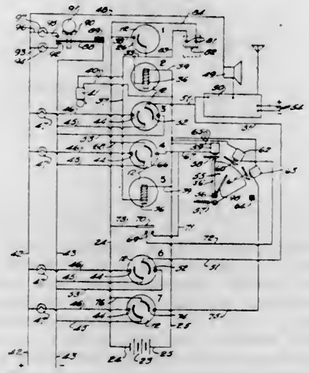


2,045,946
PATTERN CARD CYLINDER FOR JACQUARD LOOMS
Herbert V. Foster, Providence, R. I., assignor to Crompton & Knowles Jacquard & Supply Company, Pawtucket, R. I., a corporation of Massachusetts
Application April 25, 1935, Serial No. 18,096
3 Claims. (Cl. 139—330)



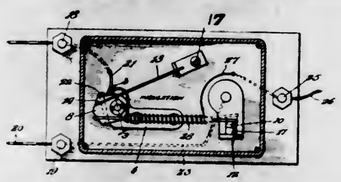
1. In a Jacquard loom, a pattern card cylinder having end gudgeons, a sleeve for each gudgeon, means to detachably secure said sleeves on said gudgeons and to permit convenient removal and replacement of said sleeves, and an anti-friction bearing surrounding and supporting each sleeve.

2,045,947
SKILL RADIO AND RECORDING MANIPULATOR
Herman L. Grundstein, Bronx, N. Y.
Application October 3, 1935, Serial No. 43,444
16 Claims. (Cl. 250—20)



1. The combination with a radio receiving set having a power circuit and tuning condenser plates movable over a predetermined path from an initial position through a series of station receiving positions; of means urging said plates along said path, latches stopping said plates in their initial and station receiving positions, electro-magnetic means for selectively releasing said means, circuits for said means, a power circuit, said circuits including ball actuated normally open circuit closers, a game board, and balls for said board movable thereover to effect selective closing of said circuit closers.

2,045,948
THERMAL SWITCH
Charles J. Hardison, deceased, late of St. Petersburg, Fla., by Betty Hardison, administratrix, Jacksonville, Fla.; said Charles J. Hardison, assignor of fifty-one per cent to Maxey D. Moody, Jacksonville, Fla.
Original application March 23, 1933, Serial No. 662,401, now Patent No. 1,968,828, dated August 7, 1934. Divided and this application June 20, 1934, Serial No. 731,514
1 Claim. (Cl. 200—122)

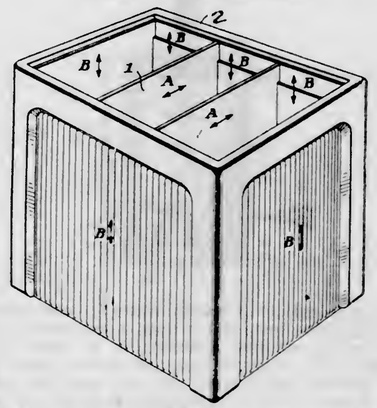


A thermal switch comprising an insulating base, a bracket of conductive material secured to said base and having an upstanding arm carrying a stationary contact, a plate secured upon said base and carrying an upstanding pin, a stud mounted loosely upon said pin and formed with kerfs spaced from each other at opposite sides of the pin, a switch arm having one end seated in one kerf and having a contact at its other end opposite the stationary contact, the portion of the arm between the stud and bracket being spaced upwardly from the base an appreciable distance, a second bracket carried by said base, a leaf spring having one end secured in the second kerf of the stud with its other end secured to the second bracket, said spring normally holding the switch arm in position for engagement of its contact with the stationary contact, binding posts having conductors leading therefrom to the stud and first mentioned bracket, another binding post carried by the base and having a conductor leading therefrom, and a heating coil having its ends secured to the stud and last mentioned conductor, said coil surrounding the switch arm and adapted when heated to expand the switch arm and move its contact out of engagement with the stationary contact and interrupt flow of current between the first mentioned conductors.

2,045,949
METHOD OF PREPARING MEAT AND FISH EXTRACTS
Kiyonobu Hatta, Sakyoku, Kyoto, Japan
No Drawing. Application July 3, 1934, Serial No. 733,681
2 Claims. (Cl. 99—110)

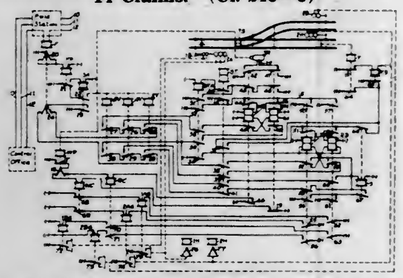
1. Method of preparing meat and fish extracts, comprising adding as an antiseptic material to the juice extracted from the meat and fish the liquor obtained by boiling and concentrating the extracted liquor of seaweed rich in iodine after the addition of albuminoid substance, thus precipitating mucous substance, and then after removing the same, dissolving an excess of albuminoid substance with protein hydrolyzing enzyme.

2,045,950
BATTERY BOX AND PROCESS OF MAKING THE SAME
Louis W. Hottel, Los Angeles, Calif., assignor to The Richardson Company, Lockland, Cincinnati, Ohio, a corporation of Ohio
Application July 26, 1932, Serial No. 624,785
Renewed October 12, 1935
9 Claims. (Cl. 136—166)



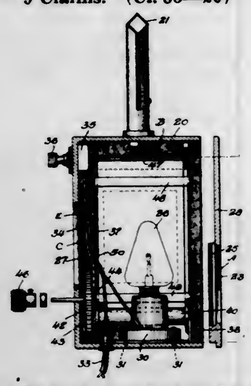
6. An unvulcanized battery box comprising a preformed partition, and a box body molded, from unformed material, into connection with the said preformed partition, the said box body and preformed partition being made of material containing asphaltic matter.

2,045,951
CENTRALIZED TRAFFIC CONTROLLING SYSTEM FOR RAILROADS
Thomas J. Judge, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y.
Application June 28, 1933, Serial No. 678,045
14 Claims. (Cl. 246—3)



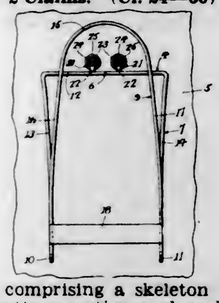
1. In combination, a switch machine for operating a railroad track switch, normally active control means for controlling the operation of said switch machine to normal and reverse positions, a code type communication system over which said control means may be selectively conditioned for causing a normal or a reverse operation of said switch machine, means for at times rendering said control means inactive by canceling any condition previously stored in said control means, and means allowing said control means to be conditioned over said communication system only when said control means has been rendered inactive.

2,045,952
SIGHT TESTING DEVICE
John F. Kothman, Minneapolis, Minn., assignor of one-half to F. T. Persinger
Application January 6, 1936, Serial No. 57,831
9 Claims. (Cl. 88—20)



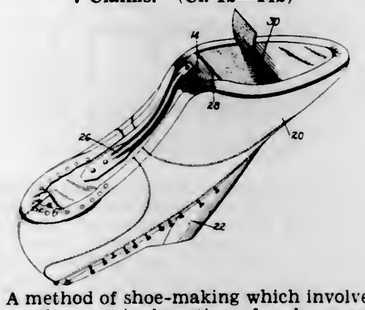
7. As an article of manufacture for use in making subjective tests of the eyes, a polygonal cabinet having window openings in a plurality of vertical faces thereof, a pair of contrastingly colored transparent panes, one red and the other blue mounted in one of said openings, a chart behind said panes, a dial and pinhole chart mounted in another of said openings, a skeleton casing mounted in said cabinet, a movable test chart carried by said casing visible through another of said window openings, rollers journalled in said casing, said chart being in the form of a web having its ends wound on said rollers, and a lamp mounted in said casing in a position to illuminate the window openings.

2,045,953
RACK
Otto Krueger, Milwaukee, Wis.
Application April 22, 1935, Serial No. 17,713
2 Claims. (Cl. 24—66)



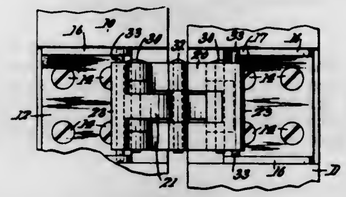
2. A rack comprising a skeleton back section, a skeleton bottom section and a skeleton front opposing section, spaced from and extending above the back section, said front and back sections being of inverted substantial U-shape and connected together at their lower ends by said bottom section, said back section being of flared contour, said front section being of tapered contour and having the upper portion of its sides inset with respect to the upper portion of the sides and the ends of the top of the back section, said back section inclining forwardly from its upper to its lower end towards said bottom section, said front section inclining rearwardly from its lower to its upper end towards said back section, a flat narrow combined coupling and bracing member of rectangular form extending transversely of said front section and having its ends anchored to the lower portion of the sides of the front section in proximity to said bottom section, and a pair of spaced apertured upstanding parallel hanger elements offset with respect to the top of said back section for the passage of holdfast devices to anchor the rack to a support, said elements having their lower ends secured to the rear edge of the top of said back section for offsetting the latter throughout in spaced relation relative to the support.

2,045,954
METHOD OF MAKING SHOES
Fracesco Laudanno, Brooklyn, N. Y., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application February 14, 1933, Serial No. 656,658
7 Claims. (Cl. 12—142)



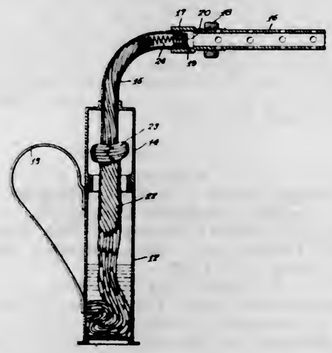
6. A method of shoe-making which involves attaching the marginal portion of a shoe upper to a two-ply insole, and removing the outer ply material of the insole at the forepart thereof.

2,045,955
AUTOMOBILE DOOR HINGE
Emil B. G. Lefevre, Detroit, Mich.
Application June 22, 1933, Serial No. 677,033
1 Claim. (Cl. 16—164)



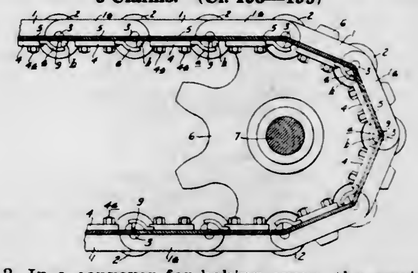
A hinge comprising duplicate hinge plates each having spaced bearing lugs and offset upper and lower slotted flanges, a first connecting link pivoted at one end between the lugs of one of said hinge plates and having intermediate bearing portions spaced apart by a central opening in said link, a second connecting link pivoted at one end between the lugs of the other hinge plate and having a relatively narrow intermediate bearing portion extending through and positioned in said central opening and fitting closely between the spaced bearing portions of said first link, a pivot pin extending through and pivotally connecting said three intermediate bearing portions, each connecting link having a free end portion nearly filling the space between the slotted flanges of the hinge plate to which said link is not pivoted, and means at both extremities of said free end portions extending into and freely slidable in the slots in the associated offset flanges.

2,045,956
BLOWTORCH
David Allen Lenk, Newton, Mass., assignor to Samuel C. Brody, Brookline, Mass.
Application December 21, 1933, Serial No. 703,430
13 Claims. (Cl. 158—35)



1. In a blow torch, in combination, a fuel reservoir, a pressure generating tube communicating therewith, a wick in said reservoir and tube, and a resilient member in said tube to keep said wick spaced away from the outside end of said tube.

2,045,957
CONVEYER FOR BAKING OVENS
Kenneth D. Loose, Bronxville, N. Y., assignor to Loose-Wiles Biscuit Company, Long Island City, N. Y., a corporation of New York
Application February 1, 1935, Serial No. 4,528
3 Claims. (Cl. 198—195)



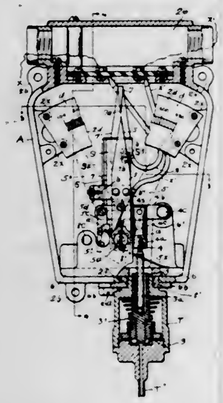
2. In a conveyer for baking ovens, the combination with conveyer plates having beveled adjoining edges constantly in approximate contact both when the plates are traveling in a substantially straight path and in a curved path, said bevels functioning to permit maintenance of the proximity of the edges of the plates when traveling in a curved path, of alining means, comprising alternate inter-engaging male and female parts defining arcuate bearing surfaces coaxial with the line of contact of the plate edges secured to the undersides of the respective plates adjacent to the beveled edges thereof and longitudinally spaced relative to the length of the plates.

2,045,958
PIVOT ARM LOCK
John L. Nilson, Chicago, Ill.
Application January 25, 1936, Serial No. 60,829
4 Claims. (Cl. 15—120)



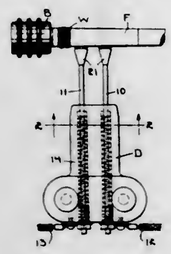
1. A pivot arm lock comprising an elongated handle having a hole and a keyway, a pivot arm, said pivot arm having a pair of substantially parallel side portions joined by a bottom portion, said side portions bent inwardly at substantially right angles to form a pair of inturned portions, said inturned portions each having adjacent its end a laterally extending key, said inturned portions and said keys adapted to fit within said hole and keyway, said keys being of harder material than the interior of said handle so that upon pivoting of said pivot arm in said handle the keys form circumferential grooves within said handle so as to prevent the pivot arm from displacement with respect to said handle.

2,045,959
TEMPERATURE CONTROL
Howard W. Partlow, Utica, N. Y., assignor to The Partlow Corporation, New Hartford, N. Y., a corporation of New York
Application June 27, 1935, Serial No. 28,775
5 Claims. (Cl. 200—140)



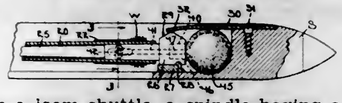
1. In a temperature control, a casing having a graduated dial, a manually operable hand, a pointer, a pivoted spring pressed switch, means carried by the hand to move the switch therewith upon setting of the hand, means actuated by the pointer to operate the switch, a substantially U-shaped member, means to connect said pointer to one arm of the U-shaped member, a lever pivoted at one end thereof, a link pivoted to the other end of the lever and to the other arm of the U-shaped member, a thermostat, and means pivoted to an intermediate part of the lever and having connection with the thermostat so as to be operated by the latter.

2,045,960
FEELER TIP FOR WEFT DETECTORS
Oscar V. Payne, Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application June 21, 1934, Serial No. 731,709
2 Claims. (Cl. 139—287)



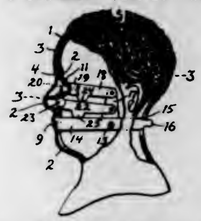
1. An electric feeler tip having a head of readily oxidizable metal formed with a convex rear surface, and a disk of a palladium and iridium alloy fitted to the convex surface and projecting beyond the rear part of the head, the head having portions to extend behind the disk to hold the latter in place on the head.

2,045,961
LOOM SHUTTLE
Oscar V. Payne, Leicester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application August 9, 1934, Serial No. 739,083
2 Claims. (Cl. 139—209)



1. In a loom shuttle, a spindle having a head with a transverse groove in one lateral face and an inclined face at the opposite side of said head, a block in said shuttle having a rib seated in said groove, and a spring positioned to engage said inclined face and hold said spindle in raised position.

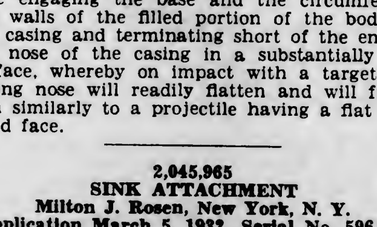
2,045,962
DOLL
William C. Rastetter, Fort Wayne, Ind.
Application July 31, 1935, Serial No. 34,054
3 Claims. (Cl. 46—135)



3. A doll head having a skeletal form provided with an opening in the front thereof, a covering for said form a portion of which is elastic and extended over said opening and treated to have the appearance of a countenance, an operating lever pivoted in said form, one end of which lever connects with said elastic portion at the point thereof that simulates the mouth of said countenance, said operating lever having a bracket projecting therefrom, a beam pivoted on said bracket provided with a cross member connected to that portion of said flexible portion of the cover in the region that simulates the eyes of said countenance, a second beam pivoted to said bracket extending into that portion of the flexible member constituting the nose of said countenance and having a cross member that is disposed beneath that portion of said cover that constitutes the eyesockets of said countenance, and means operatively relating said beams with each other and with said operating lever.

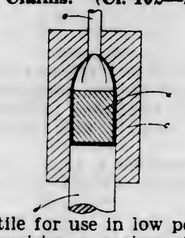
2,045,963
MULTI-PLY FABRIC ARTICLE
Frank R. Redman, Yardley, Pa.
Original application February 23, 1935, Serial No. 7,889. Divided and this application July 16, 1935, Serial No. 31,727
6 Claims. (Cl. 154—46)

3. A multi-ply fabric for use in articles subjected to repeated laundering, of which at least one of its plies has associated therewith, causing adherence of said plies, a thermoplastic material comprising a blend of approximately thirty percent of a polymer of vinyl acetate, and approximately seventy percent of a copolymer of vinyl chloride and vinyl acetate, each of which resins of itself lacks at least one of the properties of softening at pressing temperatures, retaining adhesion at and below the boiling point of water and remaining substantially unaffected in color when subjected to repeated laundering, but which



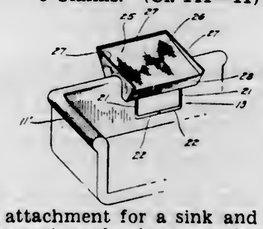
resins when blended in approximately the above-specified proportions, acquire all of the above-mentioned properties.

2,045,964
CASING PROJECTILE
Otto Rinkel, Karlsruhe, Germany, assignor to Berlin-Karlsruher Industrie-Werke Aktiengesellschaft, Karlsruhe in Baden, Germany, a company of Germany
Application February 25, 1935, Serial No. 8,171
In Germany December 13, 1934
3 Claims. (Cl. 102—26)



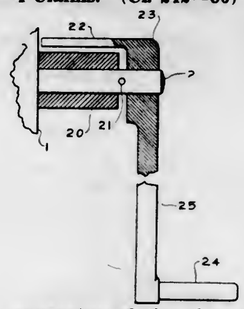
1. A projectile for use in low power automatic fire-arms comprising a casing of metal harder than lead, said casing having a generally cylindrical body with a substantially flat circular base and a tapering, generally pointed, substantially closed nose, the casing nose being split to form a plurality of separable leaves, and a core of softer projectile metal completely filling a portion of the length of the casing, said core engaging the base and the circumferential walls of the filled portion of the body of the casing and terminating short of the end of the nose of the casing in a substantially flat surface, whereby on impact with a target the casing nose will readily flatten and will function similarly to a projectile having a flat forward face.

2,045,965
SINK ATTACHMENT
Milton J. Rosen, New York, N. Y.
Application March 5, 1932, Serial No. 596,986
Renewed December 8, 1934
3 Claims. (Cl. 141—11)



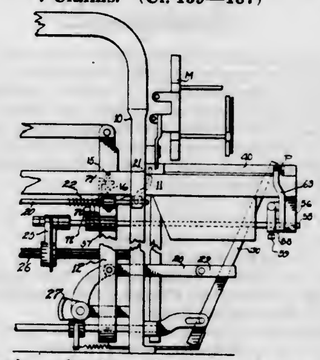
1. An attachment for a sink and the like including a rectangular base member of resilient material and a pair of clamping members secured thereto, the lower surface of the base member having a concave recess extending longitudinally thereof, the upper surface of the base member being non-smooth and being downwardly inclined from its front edge, a continuous rim portion extending along the front edge and the two sides of the upper surface, the clamping member being formed from a single piece of metal rod secured within the base member and bent to comprise two substantially U shaped downwardly extending members adapted to engage the inner and outer surfaces of the sink.

2,045,966
FIRE-HOSE SUPPORT
Otto Ruehmann, Los Angeles, Calif.
Application October 20, 1934, Serial No. 749,212
4 Claims. (Cl. 242—86)



1. In an apparatus of the class described, a base, a pin with one end mounted on the base and with the other end projecting freely from the base adapted to receive a roll of hose and so that the hose may be removed from the pin and base in rolled-up condition, the base embodying means for a guide in a radial relation to the pin, and a clamp adjustably mounted on the base in operative relation to said guide and adapted to frictionally engage the rolled-up hose on the pin.

2,045,967
SHUTTLE CHECK AND RELEASE
Elliot A. Santon, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a corporation of Massachusetts
Application June 26, 1934, Serial No. 732,493
7 Claims. (Cl. 139—187)



1. In a loom having a lay and a shuttle box to receive a shuttle, a binder on the lay forming part of the shuttle box, a lay driving connector, a

protector finger exerting a relatively light pressure on the inner end of the binder toward the cloth being woven, an arm pressing on the outer end of the binder, a relatively heavy resilient means operatively related to the arm, and connections operatively related to the connector to cause the relatively heavy resilient means to press the arm against the outer end of the binder, whereby both ends of said binder have yielding outward movements thereof resisted one end with the force greater than the other end when the shuttle is boxed.

2,045,968

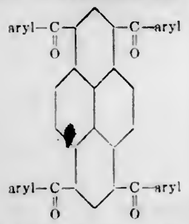
3,5,8,10-TETRAAROYLPYRENES AND PROCESS OF MAKING THE SAME

Roland Scholl, Dresden, and Kurt Meyer, Berlin-Zehlendorf, Germany, assignors to the firm of Society of Chemical Industry in Basle, Basel, Switzerland

No Drawing. Application July 8, 1935, Serial No. 30,406. In Switzerland July 11, 1934

7 Claims. (Cl. 260—64)

6. The 3,5,8,10-tetraaroylpyrene of the formula



wherein aryl stands for nuclei selected from the group of the aromatic nuclei of the benzene and naphthalene series.

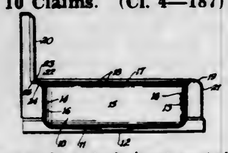
2,045,969

SINK, WASHBASIN, AND THE LIKE

Jacques Stanitz, Warren, Ohio, assignor to The Youngstown Pressed Steel Company, Warren, Ohio, a corporation of Ohio

Application July 3, 1933, Serial No. 678,823

10 Claims. (Cl. 4—187)



1. In an enamel coated sheet metal sink having a fluid receiving bowl with substantially upright side walls terminating in a rolled rim and in an upright splash-back all formed integrally from a single sheet of metal; a stiffening ledge substantially S-shaped in cross section formed between and merging into the bowl and splash-back to provide an offset thereat.

2,045,970

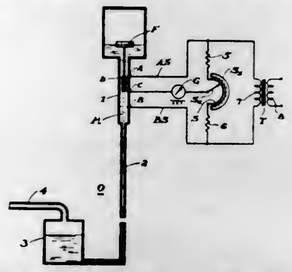
ELECTRICAL MEASURING

Irving M. Stein, Philadelphia, Pa., assignor to Leeds & Northrup Company, Philadelphia, Pa., a corporation of Pennsylvania

Application June 29, 1933, Serial No. 678,185

13 Claims. (Cl. 177—351)

9. An electrical measuring system comprising a column of conductive fluid, contacts continuously immersed in said column and providing a current path of fixed length, a source of current connected to said contacts, a measuring network including conductors extending to axially spaced contacts immersed in said column and at least one of which is intermediate said first-named contacts, and means for varying the potential difference between said last-named contacts due to flow of



current between said first-named contacts comprising structure of specific conductance substantially different from the specific conductance of said liquid and movable within said column in response to the changes in magnitude of a condition to vary the distribution of potential along said path.

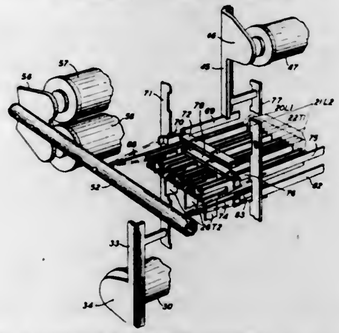
2,045,971

SWITCHING MECHANISM

Sigurd J. Stockfleth, Bloomingdale, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application September 6, 1935, Serial No. 39,431

7 Claims. (Cl. 179—27.54)



1. In a cross-bar switch, horizontal and vertical rows of intersecting contact strips, horizontal and vertical bars, and means effective by the operation of a horizontal bar and either of a pair of vertical bars for establishing either one of four different connections between horizontal and vertical strips at a common intersecting point of said strips.

2,045,972

STRIKING BAG APPARATUS

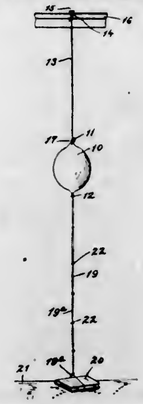
Marvin A. Tompkins, Akron, Ohio

Application January 23, 1933, Serial No. 653,024

4 Claims. (Cl. 272—77)

1. Striking bag apparatus including an inflatable bladder formed with integral upper and lower elastic, collapsible, cord receiving necks, one of said necks being a bladder inflation neck, upper and lower anchoring cords each having one end thereof tied directly around over the

outside of the corresponding neck, and the tying



of said cord over said inflation neck promoting the sealing of said bladder.

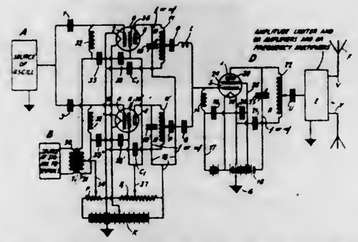
2,045,973

MODULATION

George Lindley Usselman, Port Jefferson, Long Island, N. Y., assignor to Radio Corporation of America, a corporation of Delaware

Original application October 15, 1932, Serial No. 637,923. Divided and this application May 2, 1934, Serial No. 723,425

13 Claims. (Cl. 179—171)



2. Means for relaying and phase modulating high frequency energy comprising, a pair of thermionic tubes having their input electrodes energized in phase by a carrier frequency wave, a thermionic modulator tube, phase retarding means for applying energy from the anode of one of said tubes to the control electrode of said modulator tube, phase advancing means for applying energy from the anode of the other of said tubes to the same control electrode of said modulator tube, and means for impressing in phase opposition modulating potentials on the anode electrodes of said pair of tubes.

2,045,974

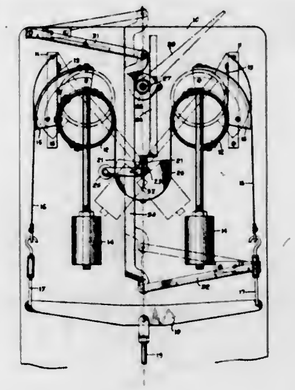
SCALE

Edward J. Von Pein, Endicott, and William N. Gilbert, Binghamton, N. Y., assignors to International Business Machines Corporation, New York, N. Y., a corporation of New York

Application November 29, 1935, Serial No. 51,996

7 Claims. (Cl. 265—62)

1. In a scale; a pair of oppositely rockable load counterbalancing pendulums, an equalizer member, an indicator, a driving element for the indicator carried by the equalizer member and means for converting rocking of the pendulums into movement of the equalizer member in a vertical direction, said means including a tape suspending the equalizer member equally from the oppo-



site pendulums and a check linkage connected to the equalizer member to constrain the latter to movement in said vertical direction along a definite, predetermined path.

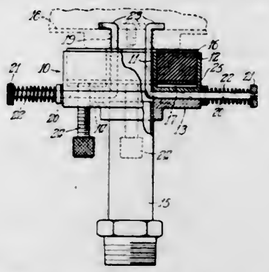
2,045,975

HOSE CONNECTION

Rudolph J. Anschicks, Chicago, Ill., assignor to Moses E. Shire, Chicago, Ill.

Application September 3, 1935, Serial No. 38,994

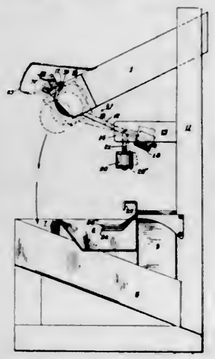
4 Claims. (Cl. 285—44)



1. A device for attaching a tubular fitting to one side of an apertured plate, and comprising a body member having a bore therein adapted to register with the aperture in said plate, a cushion member mounted on said body member adjacent the plate, means for clamping the device to the plate comprising a pair of L-shaped plunger rods mounted on said body member, one arm of each rod extending laterally through and projecting exteriorly from the body member, each of said projecting arms being reciprocally movable in a path parallel or substantially parallel to the other, the other arm of each rod extending longitudinally of and projecting from the bore through the aperture, an out-turned hook on the projecting end of each longitudinally extending arm equally spaced from the body member and each having a length less than the diameter of the aperture in the plate, and means operatively related to said body member and cushion mem-

ber for urging the latter snugly against the plate to provide a fluid-tight connection adjacent said aperture.

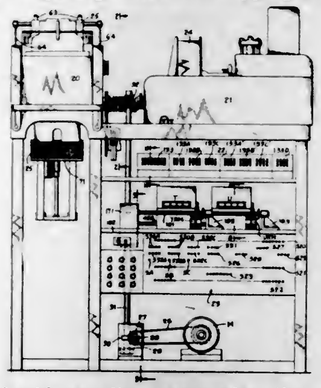
2,045,976
COIN SELECTOR AND REJECTOR
Charles B. Brooks, Masontown, Pa.
Application April 16, 1935, Serial No. 16,551
6 Claims. (Cl. 194—103)



1. In a device for use with coin operated machines adapted to accept legal coin of standard weight and to reject underweight coins and slugs of underweight and undersize, and slugs heavier than legal weight coins, said device comprising a conveying chute, a pivotally supported swing arm having a coin carrier at one end and a counterweight adapted to urge the arm in such direction that the carrier is in coin or slug receiving position with the chute, a keeper on said carrier for retaining a coin or slug of a certain diameter therein, means for moving the keeper out of engagement with the coin or slug in the carrier, said carrier swinging downwardly with the arm when a coin or slug is in the carrier and of a size to engage the keeper, a reject receptacle for underweight coins and slugs or undersize slugs, a reject receptacle for overweight slugs, and a receptacle for legal weight coins, means for actuating the keeper moving means to effect the release of coins or slugs to the receptacle to which it relates by weight, and means associated with said swing arm for so controlling the downswing of the arm that the keeper actuating means will be operated to effect the release of coin or slug to the proper receptacle according to its weight.

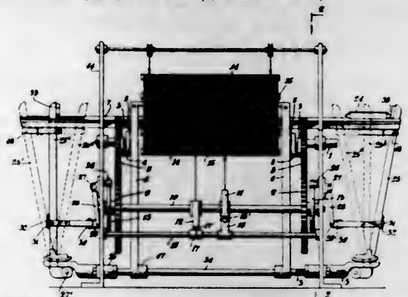
2,045,977
PUNCHING DEVICE
James W. Bryce, Bloomfield, N. J., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application July 21, 1934, Serial No. 736,278
45 Claims. (Cl. 164—115)

1. In a record reproducing machine, commutator devices adapted to be manually adjusted to represent data to be reproduced on the records, other commutator devices adapted to be manually adjusted to set up a number for controlling the number of records produced, means under control of the first mentioned commutator devices for recording the data on the records, an accumulator for counting the number of records produced, means for comparing the number set up in said other commutator devices with the number accumulated, and means under control of said comparing means for stopping the oper-



ation of said recording means when the required number of records are produced.

2,045,978
LOOM
Harry H. Burton, Webster, Mass., assignor to Slater Mills, Inc., Webster, Mass., a corporation of Massachusetts
Application September 16, 1933, Serial No. 689,767
12 Claims. (Cl. 139—142)



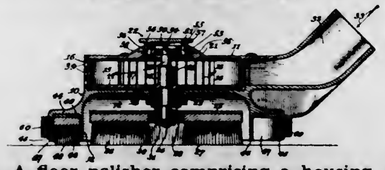
1. A loom including a frame, means for weaving fabric including an oscillating member which in its normal operation would tend to impart shocks to the frame, and means for mounting said member on said frame comprising relatively movable parts with resilient means disposed therebetween, said resilient means preventing shocks from being imparted to the frame and affecting the proper spacing in the threads in the fabric, said resilient means also resisting movement from a predetermined position, whereby movement of the oscillating member in a direction against this resistance is opposed and movement in the opposite direction is assisted by the resilient means.

2,045,979
PLASTIC AND COATING COMPOSITION
John William Croom Crawford, Ardrossan, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application September 19, 1934, Serial No. 744,674. In Great Britain September 27, 1933
3 Claims. (Cl. 106—22)

3. A composition comprising polymerized methyl alpha methacrylate and, as a plasticizer

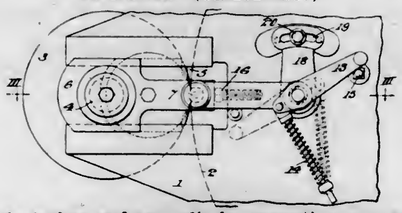
therefor, a straight chain saturated monohydric alcohol from the group consisting of cetyl and geranyl alcohols.

2,045,980
POLISHING MACHINE
Bela De Nagy, New York, N. Y., assignor of thirty-eight and one-fourth per cent to Nicholas M. Molnar, New York, N. Y., and twenty-two and one-half per cent to Nicholas Bruckner, Astoria, N. Y.
Application May 12, 1933, Serial No. 670,733
2 Claims. (Cl. 15—49)



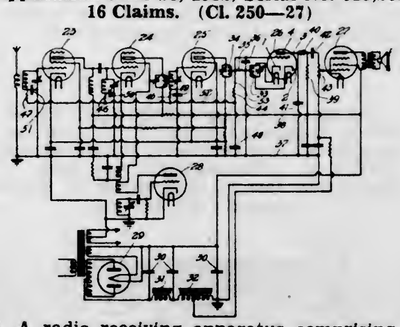
1. A floor polisher comprising a housing, upper and lower compartments in the housing, said compartments being separated by a substantially fluid tight partition, said upper compartment being provided on its periphery with openings for the admission and the unrestricted exhaust of a current of fluid, a rotatable shaft mounted in said partition and extending into each of said compartments, turbine blades fixedly mounted on said shaft in the upper compartment and arranged to be driven by fluid passing into said compartment through said inlet opening, said fluid discharging through said discharge opening, a polishing brush mounted on said shaft in the lower compartment and extending below the same, resilient supporting means for said polisher arranged to relieve the brush of excessive pressure against the floor, whereby the rotation of the brush on the floor is permitted without sufficient frictional drag between the brush and the floor to prevent rapid rotation thereof by said turbine, yet permitting sufficient friction between the brush and floor to effect the polishing thereof.

2,045,981
CHANGE FORM CYLINDER MOUNTING FOR ROTARY PRINTING PRESSES
William K. Eckhard, Westerly, R. I., assignor to C. B. Cottrell & Sons Company, Westerly, R. I., a corporation of Delaware
Application May 24, 1935, Serial No. 23,193
14 Claims. (Cl. 101—247)



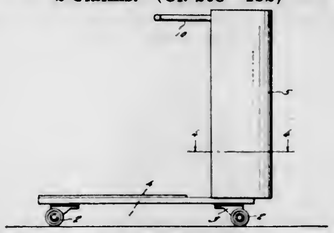
14. A change form cylinder mounting comprising a side frame having an open end pocket, a cylinder shaft box slidable therein and having a shank of a predetermined length according to the diameter of the change form cylinder, an eccentric stud, rods removably connecting the eccentric stud to said box shank upon both sides of the side frame, a handle for rocking the stud to move the cylinder into and out of its operative position, and an adjustable stop for limiting the inward movement of the cylinder box.

2,045,982
ELECTRON TUBE AND CIRCUIT THEREFOR
Harold F. Elliott, Palo Alto, Calif.
Application June 25, 1932, Serial No. 619,201
16 Claims. (Cl. 250—27)



1. A radio receiving apparatus comprising in combination, an electron tube having two cathodes, an anode and a grid, a source of direct current potential entirely external to the tube, an impedance, input connections applying carrier frequency signal potentials to the two cathodes in phase opposition, input connections applying audio frequency signal potentials to the grid and two cathodes in phase addition, and an output circuit including the two cathodes, the anode, said source of potential and said impedance.

2,045,983
TOY VEHICLE
John Ferrigno, Meriden, Conn.
Application June 12, 1935, Serial No. 26,279
2 Claims. (Cl. 208—182)



1. A device of the class described comprising an elongated platform, front and rear wheels supporting the same, a vertically arranged casing of semi-circular shape in cross section with its straight side open and facing the rear, means for fastening the bottom of the casing directly to the front end of the platform and handle bars connected to the top of the casing and extending rearwardly and outwardly from the open side thereof.

2,045,984
PHOTOELECTRIC DEVICE
Leslie E. Flory, Oaklyn, N. J., assignor to Radio Corporation of America, a corporation of Delaware
Application February 28, 1934, Serial No. 713,283
Renewed August 28, 1935
8 Claims. (Cl. 250—27.5)



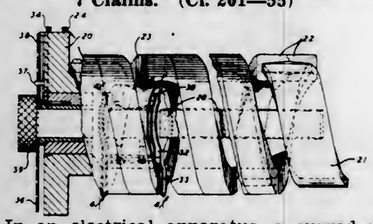
1. Screen structure comprising a metallic base member honeycombed with metallic elements each

of which is confined within the body of said base member and has its opposite ends exposed on the respective opposite sides of said member and each of which is insulated from the other elements and from said base member, the ends of said elements on the same side of said base member being photosensitized.

2,045,985
APPARATUS FOR ELECTRICAL USES

Erwin E. Franz, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a corporation of New York

Application July 27, 1933, Serial No. 682,398
7 Claims. (Cl. 201—55)

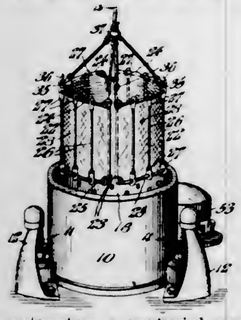


1. In an electrical apparatus, a curved non-self-limiting core comprising component arcuate segments of continuously varying curvature joined together end to end in a sequence whose axis has the general form of a curve selected from the class of curves consisting of three dimensional conchoids and flat spirals.

2,045,986
EXTRACTOR APPARATUS

Edward R. Gould, Philadelphia, Pa.

Application June 22, 1934, Serial No. 731,811
6 Claims. (Cl. 210—76)



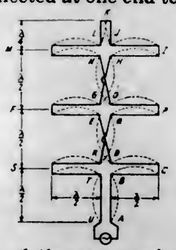
1. In an extractor, a material container consisting of a frame-work forming a semi-cylindrical unit having an open bottom, said frame-work including detachable spacing bars, a bottom hinged to said frame-work, means to latch said bottom in closed position, and a cover of liquid pervious material for said frame-work and said bottom.

2,045,987
DIRECTIONAL AERIAL SYSTEM

Ernest Green, Penrose, Long Stomps, Chelmsford, England, assignor to Radio Corporation of America, a corporation of Delaware

Application December 8, 1933, Serial No. 701,419
In Great Britain February 23, 1933
14 Claims. (Cl. 250—11)

5. A broadside antenna system comprising a pair of closely spaced parallel horizontals, other similar pairs of parallel horizontals, each horizontal comprising two co-linear portions, each portion being not substantially longer than one-half wave length, each pair being separated from the adjacent pair by a vertical distance approximately one-half wave length, each co-linear portion of each horizontal being a radiating element and being connected at one end to the parallel co-



linear portion of the same pair at its adjacent end, intermediate substantially vertical elements one-half wave length long for conveying energy from the radiating elements of one horizontal to those of another, the last mentioned vertical elements being positioned with respect to each other so as to neutralize radiation therefrom, and means for energizing the system, whereby all horizontals are activated in phase.

2,045,988
ADHESIVE AND PROCESS OF MANUFACTURE THEREOF

Wilbur L. Jones, Yonkers, N. Y., assignor to Demco Library Supplies, Inc., Madison, Wis., a corporation of Wisconsin

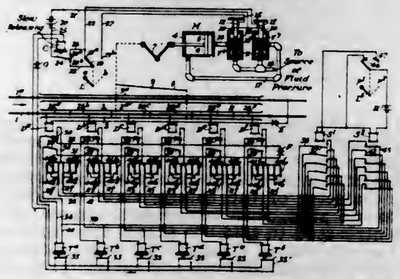
No Drawing. Application October 1, 1934, Serial No. 746,411
2 Claims. (Cl. 134—23.4)

1. The process of manufacturing adhesive which comprises the suspension in water of a mixture of corn dextrin with approximately one half its weight of anhydrous calcium chloride, raising the temperature of the suspension quickly to the neighborhood of 85° C. to bring it into solution, and promptly cooling the solution whereby to provide a substantially permanently fluid concentrated solution.

2,045,989
SPEED CONTROL SYSTEM FOR CAR RETARDERS

John W. Livingston, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application May 5, 1934, Serial No. 724,141
26 Claims. (Cl. 303—20)



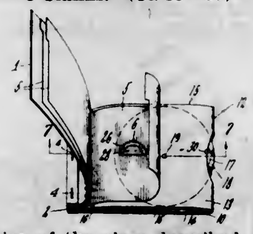
20. In combination, a slow releasing relay, an energizing circuit for said relay, a shunt circuit

for said relay, means for controlling said two circuits in such manner that when said energizing circuit is opened by said means said shunt circuit will simultaneously become closed, and means controlled by the ambient temperature for controlling the resistance of said shunt circuit.

2,045,990
COLOR HARMONY TESTING MEANS

Charles A. MacFarlane, White Plains, N. Y., assignor to Eastern Manufacturing Company, South Brewer, Maine, a corporation of Maine

Application October 5, 1934, Serial No. 746,964
8 Claims. (Cl. 35—50)

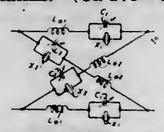


1. A device of the class described, comprising a pair of disks each having in adjacent segmental portions colored areas, said disks being pivoted in overlapping relation, the upper disk having openings through which the colored areas of the lower disks may be selectively presented, and a carrier for said disks to which they are pivoted, said carrier having a front sheet material piece having a cut-out larger than the cut-outs of said upper disk and through which the colored areas of said upper disk and the colored areas of said lower disk showing through the cut-outs of said upper disk may be selectively presented.

2,045,991
WAVE FILTER

Warren P. Mason, West Orange, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application January 26, 1933, Serial No. 653,622
In Canada September 19, 1931
16 Claims. (Cl. 178—44)



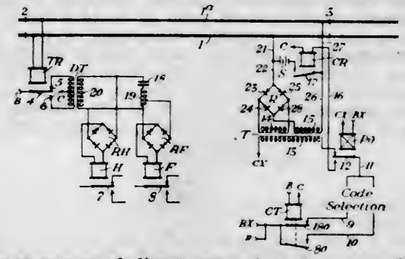
13. A broad-band wave filter comprising a plurality of impedance branches arranged to form a lattice network, each of said branches including a piezo-electric crystal impedance, a capacity in shunt thereto and an inductance in series therewith.

2,045,992
RAILWAY TRAFFIC CONTROLLING APPARATUS

Frank H. Nicholson, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application July 25, 1934, Serial No. 736,957
Renewed October 9, 1935
18 Claims. (Cl. 246—34)

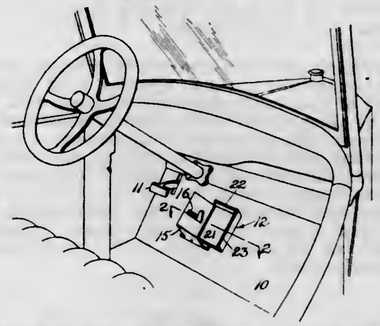
6. In combination, a section of railway track, a direct current track relay for said section, a main source of alternating current, a transformer energized from said main source, a rectifier, means including said rectifier for supplying both full-wave and half-wave rectified current from said transformer to the rails of said section, an auxiliary source of direct current, and means effective upon a failure of said main source for supplying said rails with current from said auxiliary source.



2,045,993
POWER AND BRAKE CONTROL MECHANISM FOR MOTOR DRIVEN VEHICLES

John S. C. Nicholls, Boston, Mass.

Application February 24, 1936, Serial No. 65,185
6 Claims. (Cl. 192—3)



1. In a mechanism of the character described, the combination with a foot-operated brake-controlling element, of a driver's foot-rest disposed alongside of said element and a power-controlling member movably supported in position to be adjusted laterally to increase the power by sidewise movement of the driver's foot away from said brake-controlling element, the top of said foot-rest slanting downwardly toward the top of said brake-controlling element so that when the foot of the driver is thrust downwardly said slanting top directs the foot sidewise in the opposite direction away from said member and on to said brake-controlling element.

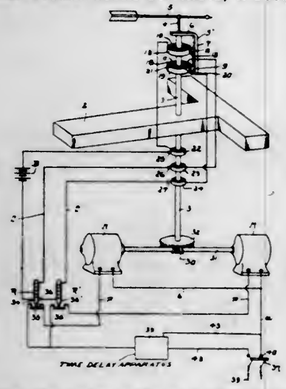
2,045,994
POWER CONTROLLED WIND INDICATOR

Ross J. Plaisted, Cleveland, Ohio

Application January 6, 1933, Serial No. 650,552
2 Claims. (Cl. 177—352)

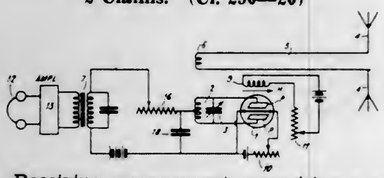
1. In an electric control system and apparatus, a substantially horizontally disposed massive wind direction indicating T supported to rotate in a substantially horizontal plane in either direction, a pilot wind vane supported to oscillate upon a substantially vertical axis in response to slight fluctuations of wind direction, an electric current commutator comprising a pair of circular sector-form contacts insulated from each other disposed coaxial with the T and rotatable

therewith, a common return circuit and a pair of contacts supported by the vane oscillatable with the vane into and out of engagement with the sector-form contacts and the common return contact respectively, a pair of motors for rotating the T in opposite directions, a pair of electromagnetic switches each having an operating winding, said switches having contacts respectively controlling the motors, a pair of circuits each connecting one side of one winding to one of the sector-form contacts, a return circuit



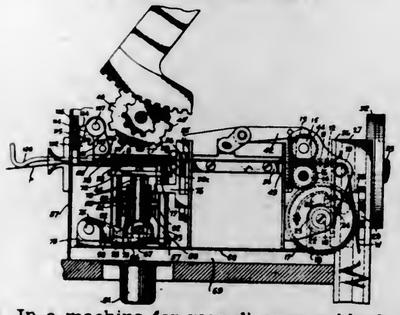
connecting the other side of both windings to the common return contact, whereby upon engagement of the vane-supported contacts with one or the other of the sector-form contacts and the common return contact, respectively, a corresponding switch winding may be energized, to operate the corresponding switch, to operate the corresponding motor, to turn the T in a corresponding direction, to cause the engaged sector-form contact and common return contact to move out of engagement with the vane-supported contacts.

2,045,995
RECEIVER ESPECIALLY FOR ULTRA-SHORT WAVES
Maurice Ponte, Paris, France, assignor to Compagnie Generale de Telegraphie Sans Fil, a corporation of France
Application January 24, 1935, Serial No. 3,232
In France February 6, 1934
2 Claims. (Cl. 250—20)



1. Receiving arrangement comprising a magnetron tube located in a magnetic field and having at least one anode connected to a tuned circuit, energy collecting means coupled with the said tuned circuit, a load circuit coupled with the anode circuit of the tube, modulating means for the current traversing the circuits connected to the tube, said means comprising a suitable resistance in series in the anode circuit of the magnetron tube and a suitable capacity shunting said anode circuit, means for regulating the said magnetic field and the heating current and the anode potential of the tube to such values that there is a detected current in the load circuit while the tube generates quenching frequency oscillations corresponding approximately to the time constant of the circuit containing said resistance and capacity, and indicating means for the detected current.

2,045,996
PRINTING MEANS
Frederick Quintus Rast, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application February 5, 1935, Serial No. 5,026. Divided and this application April 26, 1935, Serial No. 18,320
19 Claims. (Cl. 101—287)

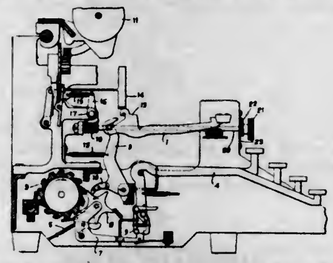


1. In a machine for recording on a blank; in combination, a recording device and a blank guide facing each other in a relatively spaced position, means for bringing the device and guide closer to each other than in the aforesaid position, other means for effecting recording by the device upon the blank located between the guide and device by pressing the blank and device against each other after the device and guide have been brought closer to each other, and means for causing the first and second-mentioned means to operate in fixed sequence, in the order stated.

18. In combination; a recording device, a blank carrier below the device, means for feeding a blank onto the carrier, an ejector member on which the leading end of the blank on the carrier rests, means for causing the device to print on the blank, and means for thereafter cooperating with the ejector member to grip the leading end of the blank and eject it from recording position.
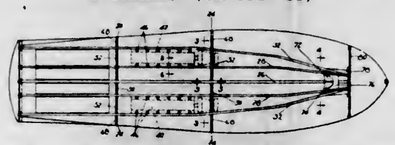
2,045,997
TYPEWRITING MACHINE
Richard V. Reppert, Binghamton, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Original application December 18, 1933, Serial No. 702,856. Divided and this application September 26, 1934, Serial No. 745,542
4 Claims. (Cl. 197—17)

1. In combination, a type bar, power means for operating the type bar, a universal bar actuated by the movement of the type bar, a spring acting on said universal bar in a direction to cause the universal bar to retard movement of the type bar and reduce its velocity, and a manually adjustable tension regulating device connected to the spring and operable at will to regulate the tension of the spring whereby to control the velocity of the type bar, said device comprising a pivoted arm to which the spring is connected, a shaft having a finger piece for turning the shaft and a pointer cooperating with a fixed



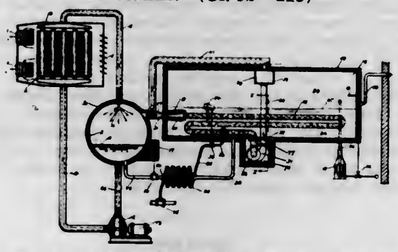
scale, and a worm and sector connection between the arm and shaft.

2,045,998
REENFORCED BOAT
Glen E. Robinson, St. Joseph, Mich.
Application August 13, 1934, Serial No. 739,565
9 Claims. (Cl. 114—83)



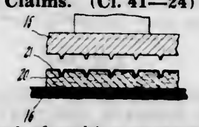
1. A reenforced boat having a longitudinally-extending keel member of wood, transverse ribs of wood, a framework built up of tubular members extending both longitudinally and transversely of the boat and rigidly secured together to form a trussed self-sustaining structure, and means for securing said structure to said keel member and to said ribs at opposite sides of the boat in such a manner that impacts against any part of the boat are transmitted by said structure to the entire boat.

2,045,999
WATER REFRIGERATION
Ralph C. Roe, Englewood, N. J.
Application February 23, 1933, Serial No. 658,106
17 Claims. (Cl. 62—115)



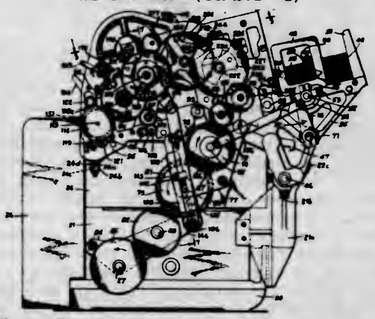
1. In a water refrigeration system, an evaporator in heat transfer relation with a fluid to be cooled, a receiver, water disposed in said evaporator and said receiver, vaporizing means for water, vapor compressing means limited to actuating fluid only, vapor pressure actuated jet pumping and vacuumizing means between said evaporator and said receiver, said jet pumping and vacuumizing means being in actuating relation with said vapor compressing means, venting means for said receiver, liquid supply means to said evaporator.

2,046,000
ORNAMENTED LEATHER WITH ARTIFICIAL GRAIN AND METHOD OF MAKING SAME
Gilbert D. Sart, Salem, Mass., assignor to Ornamented Leather, Inc., Boston, Mass., a corporation of Massachusetts
Application September 23, 1935, Serial No. 41,712
5 Claims. (Cl. 41—24)



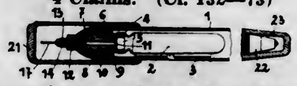
4. The method of making ornamented leather, which comprises removing the original grain surface, coating the resulting surface with a flexible film impervious to water, indenting the coated face to form an embossed design thereon, buffing the embossed face to remove the film on the raised areas, acidifying the leather, treating the acidified leather with a synthetic tan and bleach compound, washing, and treating with a pigment suspended in an aqueous bath.

2,046,001
BILL FEED ATTACHMENT
Walter P. Scharr, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application June 30, 1934, Serial No. 733,224
24 Claims. (Cl. 271—4)



1. In a bill feed attachment for accounting machines, a platen adapted to feed bills, feed rollers auxiliary to the platen and supplementing feeding of bills by the platen, a drive shaft, a crank driven by said shaft and having a radially adjustable crank pin, a unidirectional clutch, gearing between said clutch and the platen and feed rollers, and a link connecting the crank pin and clutch.

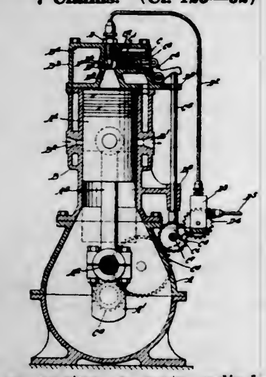
2,046,002
MANICURE APPLIANCE
Anna Hunter, née Schuber, Berlin, Germany
Application April 18, 1935, Serial No. 17,010
In Germany July 26, 1934
4 Claims. (Cl. 132—73)



1. A manicure appliance comprising a barrel member adapted to contain a liquid preparation for treating the nails, a slideway member closing one end of said barrel member, a cap having a central bore, screwed onto said slideway member, a piston adapted to slide in said slideway member and in said cap, an abutment carried by said

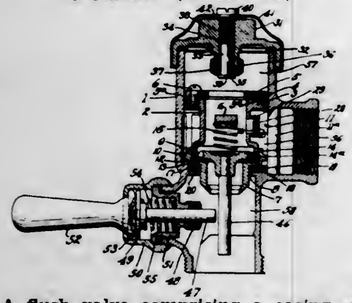
piston adapted to limit the movement of said piston between the slideway member and the cap thereof, spring means tending to push the abutment on said piston against the cap, a tool at the outer end of the piston for treating the nails, pressure on said tool causing the piston to slide into the slideway member and pump some of the liquid contained in the barrel member through a longitudinal bore in said piston to the tool.

2,046,003
ENGINE
Philip Lane Scott, Chicago, Ill.
Application August 3, 1931, Serial No. 554,720
7 Claims. (Cl. 123—32)



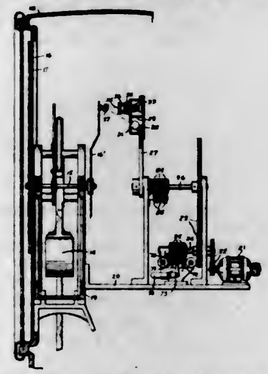
1. In an engine, a main cylinder, a piston mounted to reciprocate therein, means to operate said piston to compress air therein, a separate and distinct combustion chamber having communication with the main cylinder, a fuel nozzle positioned to discharge fuel into the combustion chamber, an auxiliary cylinder, means interposed between the auxiliary cylinder and said combustion chamber defining an air nozzle discharging into the combustion chamber, and means operable to transfer air from the main cylinder to the auxiliary cylinder, said last mentioned means including an auxiliary piston mounted to reciprocate within the auxiliary cylinder, and means for reciprocating said auxiliary piston to intermittently deliver the air from the auxiliary cylinder into the combustion chamber through said air nozzle.

2,046,004
FLUSH VALVE
William E. Sloan, Chicago, Ill.
Application October 18, 1928, Serial No. 313,230
9 Claims. (Cl. 137—93)



1. A flush valve comprising a casing, an inwardly projecting ledge connected with said casing, a main piston valve member in said casing having a hollow central portion, a guiding device with which said hollow central portion is removably connected, a portion of said guiding device overlapping said ledge, a guiding part thereon provided with a part which engages the inside of the casing, and a part which engages the inner face of said ledge, a portion of said guiding device extending through said ledge, an auxiliary valve located in said hollow central portion, a cross piece in said hollow central portion intermediate its ends, and a spring interposed between said cross piece and said auxiliary valve.

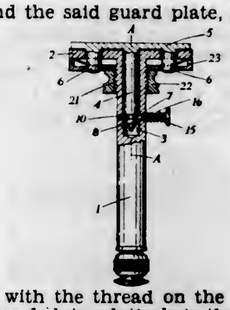
2,046,005
AUTOMATIC SCALE
Alfred L. Sprecker, Freeport, N. Y., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application November 18, 1932, Serial No. 643,182
14 Claims. (Cl. 265—5)



1. In combination, a force responsive mechanism movable variable extents in accordance with the magnitudes of the forces, an auxiliary device, motive means for the latter, and a control for said motive means including a plurality of control elements physically spaced from and free of reactive influence on the force responsive mechanism, one of said elements being controlled by the force responsive mechanism to cause the motive means to impart forward movement to the auxiliary device, and another of said elements being controlled by the force responsive mechanism to cause the motive means to impart reverse movement to the auxiliary device, there being still another of said control elements controlled by the force responsive mechanism when the auxiliary device is in normal relative position to the force responsive mechanism to render the other control elements ineffective.

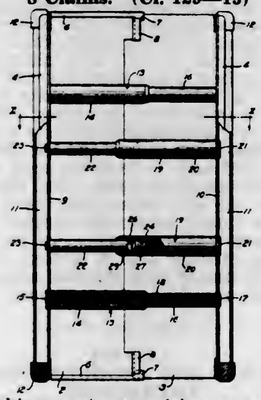
2,046,006
SAFETY RAZOR
George Taylor, Penwortham, Preston, England
Application July 10, 1935, Serial No. 30,613
In Great Britain April 25, 1935
7 Claims. (Cl. 30—68)

1. The combination with a safety razor having a flexible cutting blade provided with one or more apertures, of a handle, an external thread on the said handle, an auxiliary blade carrier integral with the handle, guide members thereon, a guard plate having apertures for the said guide members, a spring interposed between the said carrier and the said guard plate, and a nut co-



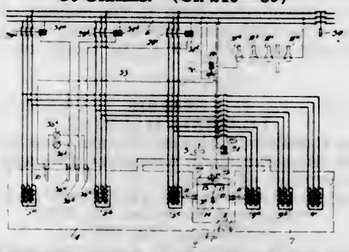
operating with the thread on the handle to adjust the guard plate relatively to the blade carrier.

2,046,007
LOOSE LEAF BINDER
Paul O. Unger, Glen Ellyn, Ill., assignor to Wilson-Jones Company, Chicago, Ill., a corporation of Massachusetts
Application September 11, 1933, Serial No. 688,890
8 Claims. (Cl. 129—13)



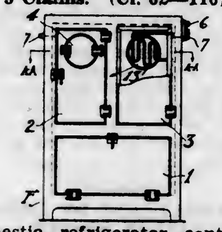
6. A locking post comprising a pair of telescoping sections, one of said sections being provided with a notch having an inclined wall, and a locking plate in said notch, said locking plate lying against said inclined wall out of locking engagement when said post is in one vertical position and pivoting in the angle of the notch into locking engagement when said post is inverted.

2,046,008
ELECTRIC HEATING INSTALLATION
Walter von Sauer, Berlin, Germany
Application August 1, 1935, Serial No. 34,229
In Germany July 25, 1934
30 Claims. (Cl. 219—39)



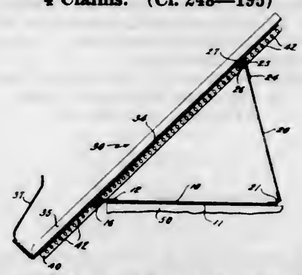
1. A heating unit operated by an intermittent electric current and adapted for a hot water heating system comprising a first tank containing water in communication with said heating system, means for electrically heating the water in said first tank, a second tank containing water in communication with said heating system, and means for electrically heating the water in said second tank said second tank being larger than said first tank, said first and said second tanks being in hydrostatic parallel.

2,046,009
REFRIGERATOR
Peter J. Wiezevich, Elizabeth, N. J.
Application June 13, 1932, Serial No. 616,787
3 Claims. (Cl. 62—116)



1. A domestic refrigerator containing contiguous compartments completely insulated from each other, each of said compartments being adapted for the storage of food, a cooling unit in each of said compartments, a closure for each of said compartments, an inlet and an outlet for air arranged in one of said compartments in such a manner that air passing from the inlet to the outlet passes over the cooling unit in said compartments, closures for said inlet and outlet adapted to be operated independently of the closure for said compartment and means for circulating air from the atmosphere to said air inlet over said cooling unit and out of said outlet back to the atmosphere when the closures for said inlet and outlet are open.

2,046,010
EASEL
Harold A. Wright, Newton, Mass., assignor to Arthur W. Brooks, Boston, Mass., doing business under the name and style of Multisort Company
Application August 14, 1934, Serial No. 739,763
4 Claims. (Cl. 248—195)



1. An easel for supporting a classifying container or the like device in an inclined position, comprising a base member, a brace pivotally secured to said base, releasable fastening means carried by said base and the free end of said brace, an inclined holder adapted to receive the container supported on said base and brace, and means arranged in series between the ends of said holder for engaging the fastening means on said

base and brace, said means providing a releasable pivotal connection with said base and with the free end of said brace, whereby the angle of inclination and the height of the holder and the center of gravity of the easel may be varied so as to maintain the stability of the easel.

2,046,011

CATALYTIC HYDROGENATION OF AROMATIC ALDEHYDES

William J. Amend, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application August 14, 1934, Serial No. 739,736

11 Claims. (Cl. 260—153)

1. The process of hydrogenating an aldehyde selected from the class consisting of anisaldehyde, vanillin and piperonal which comprises contacting the aldehyde and hydrogen in the presence of a ferrous metal catalyst at a temperature between 25° and 110° C. and at a hydrogen pressure in excess of 500 lbs. per sq. in.

2,046,012

HEAT TREATMENT OF CHROMIUM ALLOY STEELS

Frederick M. Becket, New York, and Russell Franks, Niagara Falls, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York

No Drawing. Original application April 9, 1934, Serial No. 719,756. Divided and this application May 8, 1935, Serial No. 20,332

4 Claims. (Cl. 148—21.5)

1. Method of heating treating ferritic steels containing about 4% to 30% chromium; carbon in an amount not over about 0.50%; columbium, the columbium content being at least about eight times the carbon content and being not more than eight times the carbon content plus about 1.5%; the remainder principally iron; which comprises heating the steel to a temperature between about 700° C. and about 1000° C., holding it at said temperature for a time not over about two hours, and then cooling it to room temperature.

2,046,013

TRACER CONTROL FOR MATERIAL WORKING MACHINES

Rudolf Bingel, Berlin-Charlottenburg, and Hellmut Weinert, Berlin-Spandau, Germany, assignors to Siemens-Schuckertwerke Aktiengesellschaft, Berlin-Siemensstadt, Germany, a corporation of Germany

Application October 18, 1935, Serial No. 45,636

In Germany October 2, 1934

3 Claims. (Cl. 90—62)



1. In a tracer control device for tool machines or the like, the combination of a tracer bar disposed to follow a given templet, with a nozzle bolometer relay for controlling the tool movement of the tool machine, said bolometer having a nozzle control vane for controlling the temperature of the bolometer wires, said vane being operatively connected with said tracer bar to partake in the movements of the latter for controlling the bolometer wire temperatures in accordance with said tracer movements.

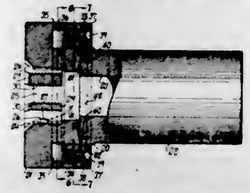
2,046,014

ADJUSTABLE DIE-HEAD

Albert F. Breitenstein, New Haven, Conn., assignor to The Geometric Tool Company, New Haven, Conn., a corporation of Connecticut

Application September 27, 1935, Serial No. 42,411

4 Claims. (Cl. 10—122)



1. An adjustable die-head including in combination: a body having a flange-like head provided with a plurality of chaser-receiving guideways and a shank member extending rearwardly from the said head; an adjusting-ring member mounted with capacity for rotation upon the shank member of the said body immediately to the rear of the said flange-like head and having cam-like means engageable with chasers mounted in the chaser-receiving guide-ways of the said head and adapted to shift such chasers; one of the said members being provided with a retaining-groove; a retaining-key rigidly carried by one of said members and extending into the said groove in the other member directly between the said adjusting-ring member and the shank member of the said body to hold the said adjusting-ring member against rearward axial displacement away from the said flange-like head but permitting the rotary movement thereof; and adjusting-means extending between the said adjusting-ring member and a portion of the said body and serving to turn the said adjusting-ring member with respect to the said body.

2,046,015

ADHESIVES AND PRODUCTS DERIVED THEREFROM

Hugh Mills Bunbury, Robert Bertram Fisher Frank Clarke, and William John Roy Evans, Blackley, Manchester, England, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain

No Drawing. Application December 29, 1933, Serial No. 704,592. In Great Britain January 5, 1933

11 Claims. (Cl. 134—17)

1. Process for the manufacture of adhesive materials which comprises adding to concentrated rubber latex about one-fourth of its weight of the sodium salt of the sulphuric acid ester of alcohols from spermaceti, adding to the mixture dilute sulphuric acid containing a weight of H_2SO_4 equal to about one-sixth of the weight of latex, drying the thickened mixture, and baking the dried mass at about 130° C. for about two hours.

2,046,016

LOADING MACHINE

Frank Cartlidge, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a corporation of Illinois

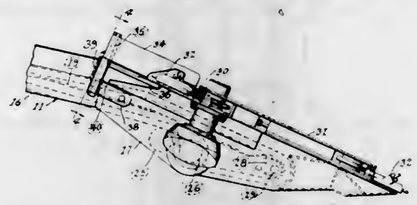
Application September 24, 1934, Serial No. 745,202

Renewed November 29, 1935

15 Claims. (Cl. 198—8)

1. In combination with a loading machine a conveyer, a gathering device adapted to discharge material onto said conveyer including an orbitally

guided endless chain having gathering arms extending therefrom at spaced intervals therealong, and means for stripping material from said



gathering arms as they turn away from said conveyer comprising a resiliently mounted pivoted plate extending over the upper portion of said gathering device.

2,046,017

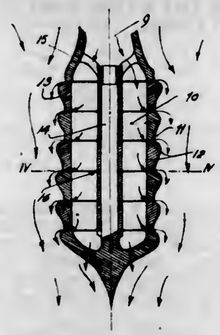
SILENCER FOR FIREARMS, COMBUSTION ENGINES, AND THE LIKE

Henri Coanda, Clichy, France

Application April 19, 1935, Serial No. 17,362

In France October 8, 1934

7 Claims. (Cl. 181—60)



1. A silencer for the outflow of gases under pressure from an outlet into the atmosphere, which comprises, in combination, a chamber communicating with said outlet, said chamber being provided with a plurality of narrow passages connecting the inside of said chamber with the outside thereof, said passages opening into the atmosphere in a direction making an angle different from zero with the outer surface of said chamber, and a projection of curved section on the outer surface of said chamber, adjacent to only one side of each passage, respectively, all of these projections being on the same side of the corresponding respective passages, whereby a portion of the gases escaping from said chamber through said passages are caused to flow along said projections.

2,046,018

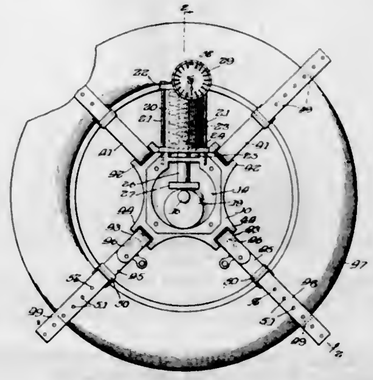
TESTING APPARATUS FOR AUTOMOTIVE BRAKES

William E. Cunningham, Highland Park, Ill.

Application November 12, 1934, Serial No. 752,687

2 Claims. (Cl. 265—1)

1. Apparatus for testing brakes of automotive vehicles, comprising a casing having a frustoconical recess in one side thereof, a plurality of tire-gripping members secured at their inner ends to said casing and having curved outer ends for engagement with an automobile tire, a shaft in said casing, a rotatable cam in said casing eccentrically mounted on said shaft, a push rod in said casing extending into the path of rotation of said cam whereby the said cam is prevented



from making a complete revolution, a spring on said push rod, indicating means actuated by said push rod, and a handle adapted to engage the said shaft on its outer end.

2,046,019

METHOD FOR SEALING IN LEAD-IN WIRES

Wilhelm Flammiger, Berlin-Schmargendorf, and Max Rohde, Berlin, Germany, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a German company

No Drawing. Application September 24, 1930, Serial No. 484,231. In Germany December 14, 1929

1 Claim. (Cl. 18—59)

A method of flexibly sealing lead-in wires in panels and the like which comprises inserting in the apertures in the panel, through which it is desired to pass the wires, a bushing of unvulcanized rubber having a reduced portion and a flanged portion, in such a manner that the flange portion of the bushing engages the panel and the reduced portion protrudes through the opposite sides thereof, positioning a washer also of unvulcanized rubber, around the protruding portion of the bushing, passing the wires to be sealed through said bushing and securing the protruding portion of the bushing to the wire and to the washer simultaneously with the securing of the washer to the panel by vulcanizing the assembly at the outer surfaces only.

2,046,020

ELECTRIC DISCHARGE DEVICE

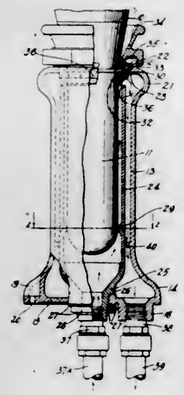
John O. Gargan, Brooklyn, and Frederick W. Young, Long Island City, N. Y., assignors to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York

Application February 7, 1928, Serial No. 252,633

14 Claims. (Cl. 250—27.5)

1. In combination, an electron discharge device having a cup-shaped anode, and a cooling container surrounding said anode, said container having inlet and outlet ports at one end and comprising coaxial inner and outer coextensive tubular members forming channels around said anode, said inner member being supported by said outer

member adjacent to said outlet port, said chan-



nels having a continuous circular communicating passageway at one end of said container.

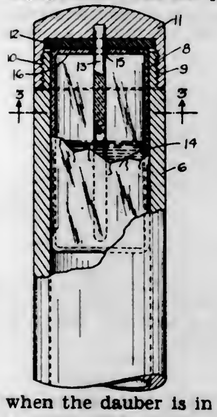
2,046,021
EYEGLASSES
Harry Higham, Maplewood Township, Essex County, N. J., assignor to Frank Krementz Company, Newark, N. J., a corporation of New Jersey
Application June 18, 1935, Serial No. 27,204
5 Claims. (Cl. 88—42)



2. In eyeglasses, a rim for supporting an eyeglass, ribs projecting laterally from a portion of said rim in opposite directions, a post comprising a strip of metal bent back upon itself to form a loop at one end and the free ends of said strip being bent to provide channels slidably embracing said ribs, means for clamping said channels to the ribs at various positions of adjustment, and a noseguard detachably mounted in the loop of said post.
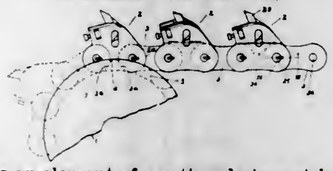
2,046,022
INK ERADICATOR ATTACHMENT FOR FOUNTAIN PENS
Louis Thmas Hughes, Bronx, N. Y.
Application March 14, 1934, Serial No. 715,457
1 Claim. (Cl. 120—36)

An ink eradicator attachment for fountain pens comprising a glass bottle adapted to be fitted into the cap closed end of a part of the pen and arranged to frictionally and forcefully fit the interior wall thereof, said bottle being cylindrical in shape and having flat end walls, one of which at the cap closed end of the pen part is provided with an opening of sufficient smallness to form a capillary seal to prevent the spilling of the contents when the cap end of the pen is left open, a dauber attached to the cap and arranged to pass through the opening and a sealing disk for engagement with the perforate end



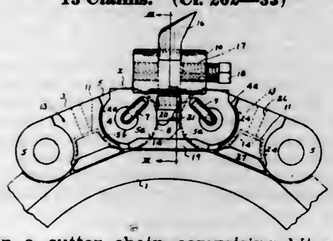
of the bottle when the dauber is in place in the bottle.

2,046,023
CUTTER CHAIN
Arthur L. Lee, Gibsonia, Pa.
Application July 2, 1934, Serial No. 733,370
15 Claims. (Cl. 262—33)



1. As an element of a cutter chain a pick holder comprising two side members presenting to each other substantially plane opposed surfaces, said members being interconnected in uniformly spaced relation by regional welding to an intermediate spacing member of substantially uniform thickness.

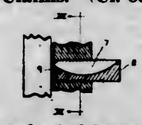
2,046,024
CUTTER CHAIN
Arthur L. Lee, Oakmont, Pa.
Application March 30, 1935, Serial No. 13,904
13 Claims. (Cl. 262—33)



1. In a cutter chain comprising bit-carrying links and connecting links alternately arranged and having yoke and eye connection therebetween; a combined structure of integral bit-carrying links and integral connecting links both types of link having a sprocket tooth receiving recess extending upwardly from the bottom thereof, and curved surfaces of equal radius forming forward and rearward edges on each eye to provide in the sprocket tooth recess of each link sprocket tooth bearing, the yokes embracing the eyes of the chain having their edge faces formed

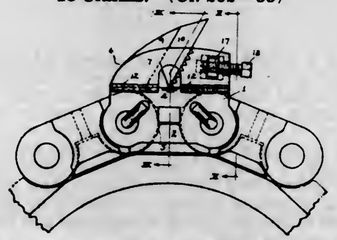
on a shorter radius than that on which the edge faces of the eyes are formed, thereby diminishing at the base of each eye deletion of metal necessary to give clearance within the width of the link for the legs of the yoke embracing the eye.

2,046,025
BIT LOCKING SCREW
Arthur L. Lee, Oakmont, Pa.
Application May 10, 1935, Serial No. 20,780
2 Claims. (Cl. 85—1)



1. A set-screw adapted for resilient engagement in a complementary threaded bore consisting of a threaded primarily cylindrical body having therein a longitudinal slot of varied depth extended to a maximum depth greater than a radius of the set-screw body and less than the primary diameter of the set-screw body, the set-screw having the slot therein pre-expanded to a maximum extent at the cross-sectional plane of greatest slot depth and likewise pre-expanded to a lesser extent at cross-sectional planes of lesser slot depth with consequent bulging of the set-screw body varied with the varying depth of the slot.

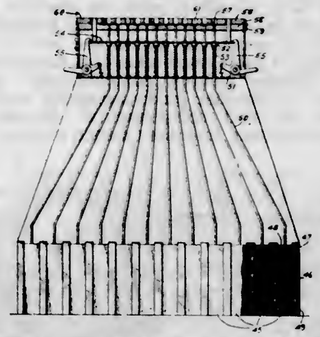
2,046,026
BIT BLOCK
Arthur L. Lee, Oakmont, Pa.
Application May 16, 1935, Serial No. 21,731
15 Claims. (Cl. 262—33)



2. A bit-carrying link adapted for inclusion in a cutter chain comprising a body element adapted to receive a sprocket tooth and having an upwardly presented surface sloping downwardly to both sides of the median, longitudinal, vertical plane of the body element, and a bit-holding element mountable in selected position on the upwardly presented surface of said body element.

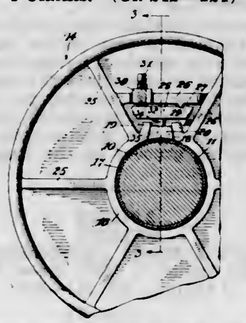
2,046,027
TABULATING MACHINE
James A. Little, Bloomfield, N. J., assignor, by mesne assignments, to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application October 24, 1931, Serial No. 570,855
2 Claims. (Cl. 235—92)

1. In a tabulating machine, a plurality of elements for sensing data in a plurality of columns on a record, a plurality of accumulating devices, means for selectively associating one of said accumulating devices with a group of said elements, additional means for selectively associating the individual elements of such group with the separate orders of the selected accumulating device, and a form cooperating with both of said means for effecting selective setting thereof, the parts



of both of said means being normally urged toward set position and said form acting to restrain some of them in non-set position.

2,046,028
WARP BEAM FLANGE
Newton E. Martin, Leola, Pa.
Application May 1, 1935, Serial No. 19,182
4 Claims. (Cl. 242—124)

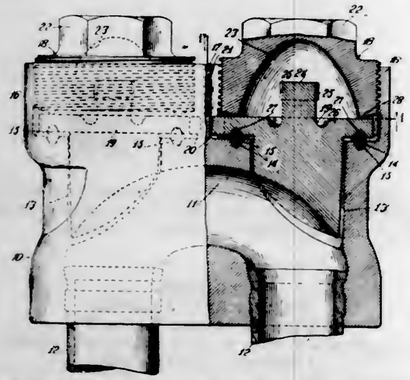


1. The combination with a warp beam having a peripherally threaded end portion, of a flange therefor, the hub of said flange being internally threaded for engagement with the beam threads, a guideway in said hub, a brake-shoe fitting in said guideway and engaging said beam threads, a fulcrum member on said flange and spaced from said brake shoe, a lever having a part thereof engaging said fulcrum member and another part engaging said brake shoe, and means for applying pressure to said lever to force said shoe into locking engagement with said beam.

2,046,029
RETURN BEND FOR OIL STILLS AND THE LIKE
Henry E. Muchnic, Atchison, Kans., assignor to The Locomotive Finished Material Company, Atchison, Kans., a corporation of Kansas
Application November 5, 1934, Serial No. 751,531
2 Claims. (Cl. 138—95)

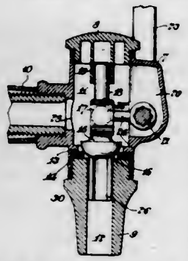
1. In a return bend of the character described the combination of a header provided with a return passage whose orifices are located in one wall while the opposite wall is provided with a pair of openings communicating with opposite ends of said passage and annular walls disposed about said openings at a distance therefrom, said

walls being threaded on their inner circumferences; a closure plug adapted to extend into each opening and provided with an annular flange adapted to lap the main wall of the header about the opening and to fit within the annular wall; the flange of the closure plug and the main wall of the header having complemental annular grooves; an annular gasket seatable and compressible in said complemental grooves; and pressure applying members dished on their inner



faces and each provided with a rounded annular perimeter adapted to seat on the flange of the closure plug, said members having threaded perimeters adapted to screw into the annular walls and thereby force the rounded perimeters into pressure applying relation with the flanges of the closure plugs at points substantially above the gasket receiving grooves in the flanges of said plugs.

2,046,030
FAUCET
Charles J. Muend, Philadelphia, Pa.
Application August 8, 1933, Serial No. 684,146
1 Claim. (Cl. 251—167)

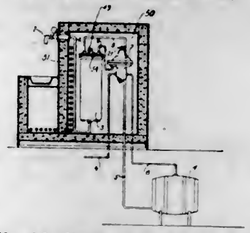


In an anti-splash faucet, the combination of a body having a chamber with inlet and discharge openings, a discharge nozzle associated with said body and having a channel communicating with the said discharge opening, a valve-seat member and a cooperating valve, the valve-seat member comprising an annular body having an opening of diameter substantially less than that of the said discharge opening, and substantially greater than that of the nozzle channel, said valve-seat member having a thickness corresponding substantially to the distance between its inner margin and the margin of the said channel, thereby providing baffles in step formation between said discharge opening and said channel.

2,046,031
PROCESS FOR THE PRODUCTION OF PHOSPHORIC ACID TRIESTERS OF ALIPHATIC ALCOHOLS
Martin Mugdan and Johann Sixt, Munich, Germany, assignors to Consortium fur Elektrochemische Industrie G. m. b. H., Munich, Germany, a corporation of Germany
No Drawing. Application March 29, 1935, Serial No. 13,699. In Germany April 18, 1934
5 Claims. (Cl. 260—99.20)

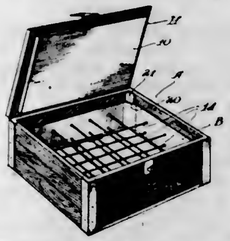
1. Process for the production of phosphoric acid esters of aliphatic alcohols from phosphorus oxychloride and the corresponding alcohol, comprising treating an aliphatic alcohol with phosphorous oxychloride, treating the reaction product with anhydrous ammonia while maintaining a temperature such that chloralkyl is not freed, and separating the formed ammonium chloride.

2,046,032
APPARATUS FOR DISPENSING BEVERAGES
Frederick W. Müller, Hoboken, N. J., assignor to The Bishop & Babcock Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application November 2, 1933, Serial No. 696,402
14 Claims. (Cl. 225—9)



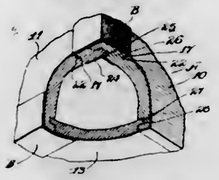
9. In a liquid dispensing system of the type adapted to be employed to dispense beverages, a sealed liquid tank adapted to be partially filled with liquid maintained under pressure by gas pressure in the tank above the liquid, valve controlled conduit means for discharging liquid from said tank, a second sealed liquid tank, conduit means connecting the second tank and the first tank, and means caused to operate by pressure changes in the first tank to regulate the pressure in said second tank.

2,046,033
CERTIFIED MILK CASE
Edward M. Pennock and Lloyd Hale, Minneapolis, Minn., assignors to G. H. Tennant Company, Minneapolis, Minn., a corporation of Minnesota
Application March 4, 1931, Serial No. 519,917
1 Claim. (Cl. 217—20)



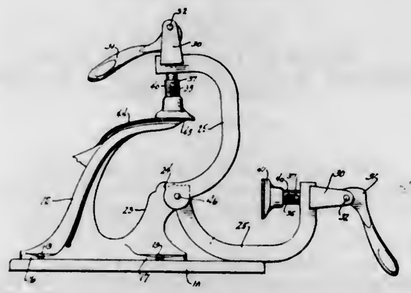
In combination with a rectangular outer casing formed of wood having a cover portion adapted to be closed over said casing, a removable bottle display tray positioned in said casing, diagonally disposed corner portions formed in said tray to provide spaces at the corners in said casing, and a series of rivet rods extending between the sides of said tray to provide spacers for dividing said tray into individual bottle compartments, said rods extending at right angles to each other and disposed in sets of horizontal planes, said rods virtually touching each other at their point of intersection, and rivet ends formed on said rods to unite the ends of said rods with a water-tight joint with said side wall.

2,046,034
BOTTLE CRATE CONSTRUCTION
Edward M. Pennock, St. Paul, and Lloyd Hale, Minneapolis, Minn., assignors to G. H. Tennant Company, Minneapolis, Minn., a corporation of Minnesota
Application December 11, 1931, Serial No. 580,337
5 Claims. (Cl. 217—5)



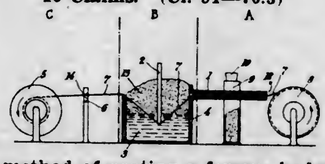
5. A crate including, side, end, and bottom walls, a means for reinforcing three connecting corners including, a substantially U-shaped angle member adapted to enclose said connecting corners, flanges on said angle member, and slots adjacent parallel enclosed corners for engagement with said flanges to slidably secure said reinforcing members in place.

2,046,035
SHOE TAP PRESS
Louis J. Ripich, Cleveland, Ohio, assignor to The Shoe Repair Specialty Corporation, Cleveland, Ohio, a corporation of Ohio
Application July 20, 1935, Serial No. 32,359
3 Claims. (Cl. 12—33)



1. A shoe tap press comprising a base having a projecting horn to fit within and support the toe of a shoe, a curved arm pivoted at one end to the base and arranged to swing its other end over the horn, a plunger slidable in the latter end of the arm, a head carried by the plunger, to apply pressure to a shoe tap on the horn, a spring between the plunger and head, and a cam carried by the arm and bearing against the plunger.

2,046,036
METHOD OF COATING FERROUS BODIES WITH OTHER METALS
Anselmo Ortiz Rodriguez, Valverde-Leganes Badajoz, Spain
Application January 19, 1934, Serial No. 707,290
In Spain February 24, 1933
10 Claims. (Cl. 91—70.3)

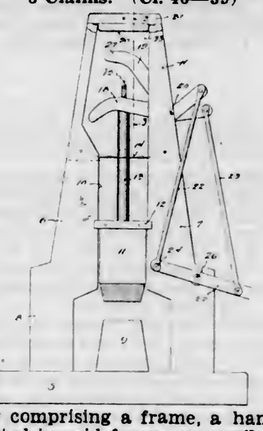


1. A method of coating a ferrous body with a metal, which consists in subjecting said body to an atmosphere of vapors of ammonium chloride at a temperature ranging from 500° C. to 700° C., and then applying thereto a coating of molten metal selected from the group consisting of aluminum, aluminum alloys, tin and zinc.

2,046,037
METHOD OF COATING FERROUS BODIES WITH OTHER METALS
Anselmo Ortiz Rodriguez, Valverde-Leganes, Spain
No Drawing. Application May 18, 1935, Serial No. 22,267. In Poland June 14, 1934
8 Claims. (Cl. 148—14)

1. In a method of coating ferrous bodies with non-ferrous metals, the step of decarburizing and deoxidizing the surface of said ferrous bodies prior to the coating, which comprises subjecting the ferrous bodies to an atmosphere of a compound selected from the group consisting of the oxyhalides, oxyhalogenhydrates, and oxysalts of zinc and cadmium, said atmosphere being maintained at a temperature such that the carbon present on the ferrous bodies is transformed into carbon oxides and other impurities on the surface of the ferrous bodies are eliminated in a gaseous state, without oxidizing the ferrous bodies.

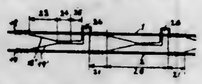
2,046,038
TOY TRIP HAMMER
Carl J. Olson, Racine, Wis.
Application October 10, 1935, Serial No. 44,411
3 Claims. (Cl. 46—39)



3. A toy comprising a frame, a hammer slidably mounted in said frame, an anvil carried by the frame disposed below the hammer, an operating rod secured to the hammer, an inverted

V-shaped head on said rod having oppositely inclined sides and abrupt bottom shoulders, rock arms of a bell crank shaft rockably mounted at their angles on the frame, the inner ends of the rock arms being provided with flexible arcuate extensions adapted to flex past said head and under the shoulders upon downward movement thereof, said arms being adapted to ride from under the shoulders upon upward movement of the arms and hammer when the arms and hammer reach a predetermined position, an operating lever rockably mounted on the frame, links operatively connecting the outer ends of the rock arms with the lever on opposite sides of its pivot, and a leaf spring disposed in the path of the head and adapted to be flexed by said head when the head reaches its extreme raised position.

2,046,039
TEXTILE ARTICLE
Arnold Schaar, Vienna, Austria
Application August 4, 1934, Serial No. 738,390
9 Claims. (Cl. 139—384)



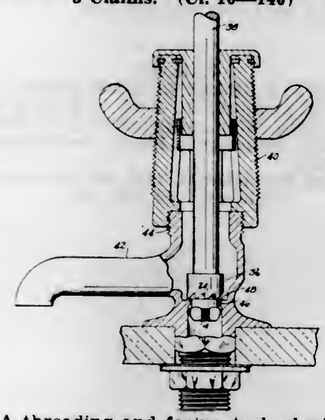
1. A textile body serving for the reception of hermetically sealing material for use in an inflatable hollow body, comprising an upper and lower textile layer, threads which, at points located between opposing edges of said textile layers, are connected to the latter over relatively short lengths and float between said layers, said floating thread portions at intervals connecting two substantially superposed points (13, 14) of these layers, and at least one auxiliary thread system (12) about which said floating thread portions are taken, whereby said floating thread portions have a length greatly exceeding the distance between said superposed points when the layers are relatively close together, said auxiliary thread system being capacitated to be made ineffective and thereby permit the threads connecting the layers to extend upon inflation of the hollow body.

2,046,040
ASSOCIATED GATES FOR HOPPERS
Eugene W. Schellentrager, Shaker Heights, Ohio
Application August 10, 1931, Serial No. 556,155
15 Claims. (Cl. 105—254)



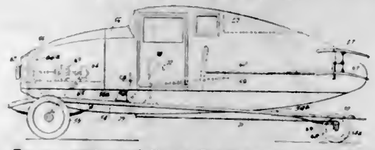
1. In combination, a car, a hopper carried on said car, a sloping, one plane bottom on said hopper, a plurality of discharge openings in one side of said hopper and extending upwardly from said bottom, a movable gate for each of said openings each gate individually pivoted on said hopper, a plate on the end of each of said gates to cover said openings, said plates being of arcuate formation and concentric with the axes of the pivots thereof, the axes of said pivots being located outwardly of and parallel with said one side, the lower edge of each of said plates resting on said bottom when said gates are closing said openings, each of said gates having a specially formed pocket therein, all of said pockets being of the same formation, and a single gate moving bar having an end thereof formed to fit each of said pockets and being easily and conveniently insertable thereinto and removable therefrom and mechanically retaining itself therein during moving of the corresponding gate.

2,046,041
COMPOSITE CUTTING AND THREADING TOOL
Morris Spitz, Cleveland Heights, Ohio
Application December 29, 1933, Serial No. 704,496
3 Claims. (Cl. 10—140)



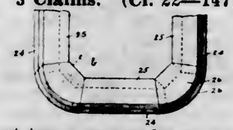
1. A threading and facing tool adapted to be employed on a faucet having a hollow body, a wall extending across said hollow body and dividing it into separate chambers, said wall having an aperture therethrough, the threading and facing tool being adapted to cut a thread in the wall surrounding the aperture and to face the surface of the wall surrounding the aperture, the tool comprising a thread cutting portion positioned on the forward end thereof, and a facing portion positioned coaxially of the thread cutting portion and having cutting edges extending substantially perpendicular to the axis, the cutting edges on the facing portion being spaced from the adjacent portion of the thread cutting portion a distance at least as great as the thickness of the wall surrounding the aperture.

2,046,042
AUTOMOBILE
Edward T. Turner, Dayton, Ohio
Application October 30, 1933, Serial No. 695,804
10 Claims. (Cl. 180—1)



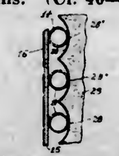
1. In an automobile, a frame extending lengthwise of said automobile and comprising side members spaced one from the other, wheels connected with the respective ends of said frame and serving at all times to support the same, an elongate body extending lengthwise of said frame with its lower portion between and below said side members, means for pivotally mounting said body between its ends on said frame for free oscillatory movement about a transverse axis extending through said body and in front of the transverse vertical plane of the center of gravity of said body, means for propelling and steering said automobile, means for limiting the downward movement of the rear end of said body, and an elevator plane connected with said body to elevate and support the rear end thereof when said automobile is moving at high speed, said body being free to move with relation to said frame in either direction about said transverse axis under the influence of said elevator plane when said rear end is elevated.

2,046,043
HOT TOP LINING
Walter W. Urmetz, Parma, Ohio, assignor to The Ferro Engineering Company, Cleveland, Ohio, a corporation of Ohio
Application October 22, 1934, Serial No. 749,402
3 Claims. (Cl. 22—147)



1. In a hot top, a generally rectangular casing with inner upwardly tapered surfaces and a ledge extending inwardly from its lower end, a lining therefor of refractory material supported by said ledge, said lining comprising corner elements having straight sides extending in parallel directions, and said lining also comprising side elements having upwardly tapered side edges.

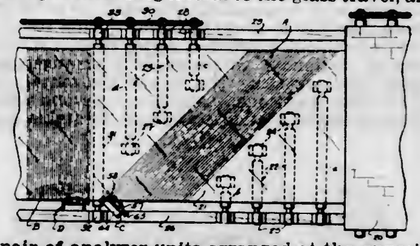
2,046,044
LUMINOUS TUBE SIGN
Royal A. Vissing, Magna, Utah, assignor to Neosign Corporation, New York, N. Y., a corporation of Delaware
Application March 20, 1935, Serial No. 11,903
4 Claims. (Cl. 40—130)



3. A luminous tube sign comprising, in combination, a sign panel; a series of tube lengths; a grooved reflector, the grooves of which individually receive and contact with the tube lengths; and insulating means breaking up the reflector into a series of insulated reflector elements, thereby eliminating the noise of leakage currents tending to discharge through said reflector.

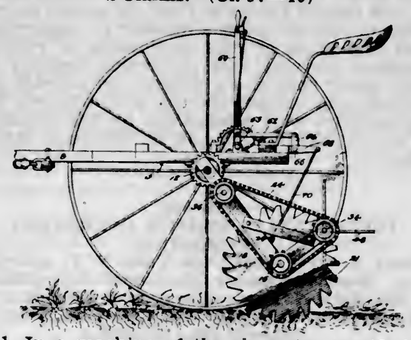
2,046,045
GLASS INSPECTION APPARATUS
Emmett L. Walters, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application July 9, 1934, Serial No. 734,418
9 Claims. (Cl. 88—14)

1. In an inspection apparatus for sheet glass, the combination of means for supporting the sheet and carrying it forwardly, light polarizing means arranged at one side of the supporting means for directing polarized light through the sheet to form a band of polarized light extending across said sheet, with the vibrations of said polarized light extending substantially at an angle of 45 degrees with respect to the glass travel, separate light polarizing means also arranged at the same side of the supporting means for directing polarized light through the sheet to form a second band of polarized light extending transversely thereof, with the vibrations of said second band of polarized light extending lateral to the glass travel, and



a pair of analyzer units arranged at the opposite side of the sheet supporting means, one analyzer unit being provided for and in position to receive the light transmitted through the sheet from the respective polarizing means.

2,046,046
GROUND WORKING MACHINE
John Washington, Waco, Tex.
Application May 17, 1935, Serial No. 22,074
2 Claims. (Cl. 97—40)

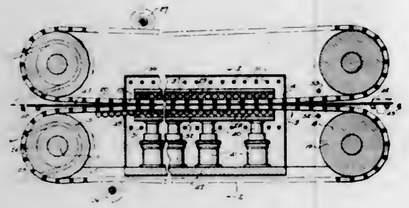


1. In a machine of the character specified, a frame, a support pivotally carried by the frame, a shaft carried by the support, a plurality of disks keyed upon the shaft in spaced parallel relation and having straight peripheral teeth tapered toward the outer edges thereof to facilitate the removal of matter from beneath the teeth and extended angularly with respect to the radii of the disks for effective and destructive contact with the grass encountered thereby, a cleaning device embodying a plurality of tines movable between the disks to remove accumulations of grass and other matter from between the disks, and means for driving the cleaning device and the disks at the same speed, said tapered teeth being formed with ground engaging outer terminal portions having angular leading corners.

2,046,047
APPARATUS FOR THE MANUFACTURE OF SAFETY GLASS
George B. Watkins, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application September 15, 1932, Serial No. 633,296
1 Claim. (Cl. 18—17)

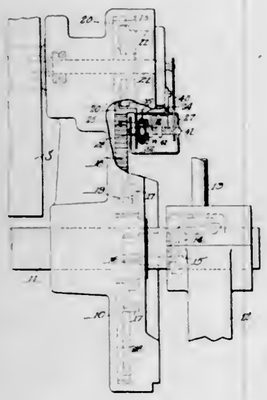
In apparatus for use in the production of laminated glass, means for effecting the successive pressing of individual sets of assembled sheets to be joined, embodying a horizontally disposed

endless conveyor for supporting and carrying the sets of sheets continuously forwardly, a second horizontal endless conveyor arranged in superimposed relation with respect to said first conveyor and cooperating therewith to press the sheets together to unite the same during the forward movement thereof, a series of horizontally aligned stationary rotatable rolls arranged beneath and engaging the upper horizontal run of the first mentioned conveyor, a second series of horizontally aligned stationary rotatable rolls



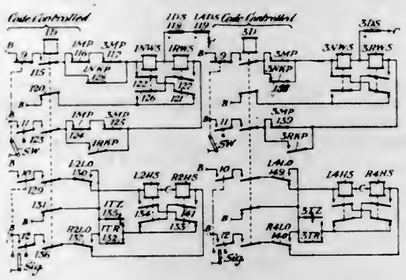
positioned above and engaging the lower horizontal run of said second mentioned conveyor, and means for moving the first mentioned series of rolls toward and away from the second named series of rolls including a member for supporting said first series of rolls, a plurality of vertical plungers carrying said supporting member at their upper ends and a cylinder for slidably receiving each plunger therein, said cylinders being provided with connections for the entrance of air or fluid thereto and its discharge therefrom.

2,046,048
DIFFERENTIAL SWITCH OPERATING MECHANISM
Henry A. Wise Wood, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a corporation of Virginia
Application March 23, 1932, Serial No. 600,645
Renewed June 26, 1934
7 Claims. (Cl. 242—58)



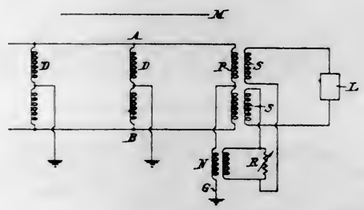
4. The combination with an unwinding web roll, diminishing in size and increasing in speed as the web unwinds from it, of means controlled by the changing angular velocity of the roll as it diminishes in diameter for closing a switch.

2,046,049
RAILWAY TRAFFIC CONTROLLING APPARATUS
Earl M. Allen, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application January 9, 1935, Serial No. 1,007
20 Claims. (Cl. 246—134)



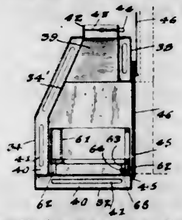
17. In a centralized traffic control system for railroads, two signals for governing the movement of traffic in opposite directions over the same route, a stick control relay, a route relay and a lock-out relay for each signal, code-controlled means for picking up and for releasing said control relay, an energizing circuit for each route relay including its winding, a front contact of the associated control relay and the winding of the lock-out relay for the opposing route relay, an energizing circuit for each signal including a front contact of its route relay and a back contact of the route relay for the opposing signal, and means preventing the energization of said route relay when the lock-out relay for the same signal is energized.

2,046,050
NOISE SUPPRESSION SYSTEM FOR TELEPHONE LINES
Edouard Aubort, Baden, Switzerland, assignor to Aktiengesellschaft Brown, Boveri & Cie., Baden, Switzerland, a joint-stock company
Application September 8, 1933, Serial No. 688,694
In Great Britain November 12, 1932
9 Claims. (Cl. 179—78)



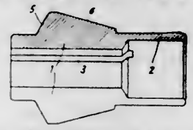
9. The method of reducing noise voltages in telephone systems of the type including a pair of line conductors coupled to a local circuit through a transformer, and a ground connection to the mid-point of the primary winding of the transformer; which method comprises reducing the impedance of the ground connection substantially to zero, and employing the parasitic currents flowing in said ground connection to impress upon the local circuit compensating voltages neutralizing the noise voltages existing therein.

2,046,051
HEATING UNIT
Hartwig N. Baruch, White Marsh, Otis T. Amory, Newport News, and Obed A. Bloxom, Battery Park, Va.
Application July 21, 1933, Serial No. 681,628
1 Claim. (Cl. 126—132)



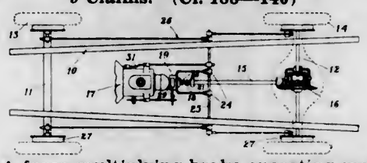
A heating unit for use in a fireplace comprising a member having jacketed end and rear walls, a bottom wall, an inner bottom wall extending across the member and dividing the member into non-communicating upper and lower heating chambers, a jacketed grate resting on said inner bottom and adapted to absorb a portion of the heat within the member in the lower portion thereof, and a pair of pipe connections communicating the grate solely with the lower heating chamber to provide a circuit for circulation of a heated medium between said grate and lower chamber.

2,046,052
SPLIT CHUCK WITH CONICAL HEAD
André Bechler, Moutier, Switzerland
Application April 20, 1935, Serial No. 17,514
In Switzerland April 25, 1934
1 Claim. (Cl. 279—51)



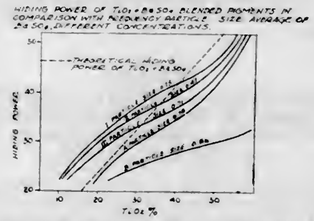
Collet chuck for collet machines, a ring rendered elastical by a slot and conical shaped jaws formed at one end of this ring and separated by slots one of which is a continuation of the slot in the ring.

2,046,053
BRAKE MECHANISM
Vincent Bendix, Chicago, Ill., assignor to Bendix Brake Company, South Bend, Ind., a corporation of Illinois
Application January 28, 1930, Serial No. 423,995
9 Claims. (Cl. 188—140)



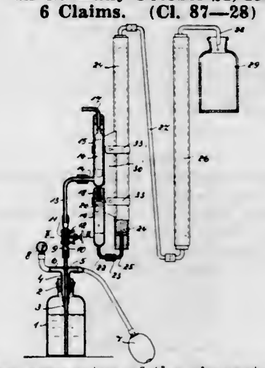
1. A force-multiplying brake operating mechanism for motor vehicles including a power member driven from a rotating part of the vehicle, an actuating member for the brakes mounted thereon and normally rotating therewith, said members having cooperating means whereby relative rotation causes relative translation thereof, means for restricting the rotation of the actuating member, positive means continuously under the control of the operator for operating said restricting means, and means whereby the consequent translation of the actuating member is caused to apply the brakes with forces which are substantially constant multiples of the forces exerted by the operator.

2,046,054
BLENDED PIGMENT
James E. Booge, Newark, N. J., assignor, by mesne assignments, to E. I. du Pont de Nemours and Company, a corporation of Delaware
Application October 30, 1934, Serial No. 750,645
5 Claims. (Cl. 134—58)



1. A pigment comprising a mechanical blend of pigment TiO_2 and an alkaline earth metal sulfate, substantially all of said TiO_2 and alkaline earth metal sulfate conforming to the following requirements: the frequency particle size average of the TiO_2 is not more than 0.50 microns and the frequency particle size average of the alkaline earth metal sulfate is not more than 0.75 microns and 90% of said particles of TiO_2 and alkaline earth metal sulfate are not greater than 1.5 microns in size, said blend being at least substantially equal in reflectance and tinting strength to a coalesced pigment of a similar composition and said blend consisting of from 15–50% TiO_2 and the balance alkaline metal earth sulfate.

2,046,055
APPARATUS FOR EXTRACTING DRUGS AND THE LIKE
Heinrich Breddin, Kirchhain, Germany
Application April 4, 1934, Serial No. 719,047
In Germany October 21, 1932
6 Claims. (Cl. 87—28)



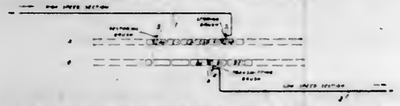
1. In an apparatus of the character described, a vertically disposed extraction chamber having an outlet at its top and an inlet at its bottom, a liquid supply vessel, a discharge tube leading upwardly from said vessel and having its lower end adjacent the bottom of the vessel, means for supplying compressed air to the upper portion of said vessel for forcing liquid therefrom through said tube, an auxiliary chamber disposed vertically adjacent one side of the extraction chamber and having its lower end communicating with

the lower end of the extraction chamber, a delivery chamber disposed vertically above the auxiliary chamber and having a discharge nozzle extending from its bottom down into the auxiliary chamber, said tube communicating with the delivery chamber in spaced relation to its lower end, said delivery chamber having an outlet at its upper end, means in said delivery chamber responsive to the level of liquid in the delivery chamber for controlling flow of air through the air outlet, and means carried by the lower end of said nozzle for retarding the liquid and effecting a drop by drop delivery of liquid from the nozzle of the delivery chamber into the auxiliary chamber.

2,046,056
ELECTRICAL CURRENT CONDUCTOR
Edmund W. Bremer, Weehawken, N. J.
No Drawing. Application May 16, 1934, Serial No. 725,954
1 Claim. (Cl. 75—173)

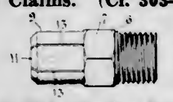
Electrical current conductors formed from a ternary alloy whereof beryllium is one of the essential components in the proportions of about ½ of 1% to 3% by weight with a small percentage, not exceeding ½ of 1% of chromium by weight, the balance being silver.

2,046,057
MULTIPLEX TRANSMISSION SYSTEM
Everett T. Burton, Millburn, N. J., assignor to Bell Telephone Laboratories, Incorporated, New York, N. Y., a corporation of New York
Application February 9, 1934, Serial No. 710,422
10 Claims. (Cl. 178—70)



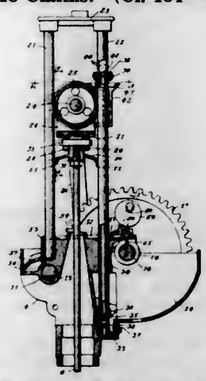
7. In combination, a low speed line section, a high speed line section having a terminal adjacent the terminal of said low speed section, automatic repeater means connecting said sections for causing the full message capacity of said low speed section to be transferred to or from said high speed section, and means for diverting the remaining message capacity of said high speed section whereby both sections may be continuously worked at full capacity.

2,046,058
WASP EXCLUDER FOR AIR BRAKES
Charles A. Campbell, Watertown, N. Y., assignor to The New York Air Brake Company, a corporation of New Jersey
Application December 29, 1932, Serial No. 649,425
5 Claims. (Cl. 303—1)



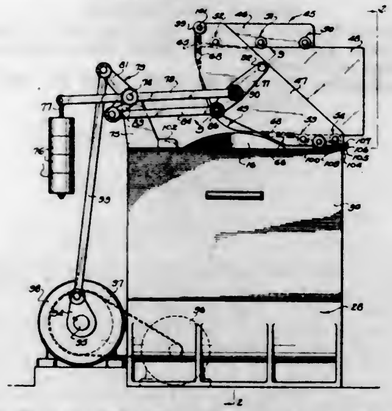
1. As a new article of manufacture, an exhaust fitting for repelling nesting insects, comprising in combination a body having an attaching portion and a smooth surfaced extension, said body having a bore extending through said attaching portion and through a part of said extension but terminating short of the end of said extension; and at least one narrow slot extending through the wall of the extension into communication with said bore, and arranged to preserve the smooth surface characteristic of said extension.

2,046,059
WINDMILL
Clarence C. Chronic and Clarence B. Molter, Freeport, Ill., assignors to Stover Manufacturing & Engine Co., Freeport, Ill., a corporation of Illinois
Application December 19, 1934, Serial No. 758,166
18 Claims. (Cl. 184—4)



1. In a windmill, the combination in the mill head, of a pair of guides, a crosshead having a roller interposed between and adapted to reciprocate on the guides, a pump rod attached to the crosshead, mechanism operated by the wind wheel connected to each end of the crosshead for reciprocating the latter, an oil reservoir, means operated by power of the wind wheel for pumping oil from said reservoir to a discharge point above the crosshead, an oil distributor structurally independent of the crosshead mounted for free sliding movement on one of the guides and arranged for receiving oil from said discharge and distributing it to the crosshead bearings, and means supporting said distributor in cooperative relation with the crosshead.

2,046,060
EDGE GRINDING MACHINE
Joseph P. Crowley, Toledo, Ohio, assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application October 9, 1933, Serial No. 692,784
11 Claims. (Cl. 51—96)



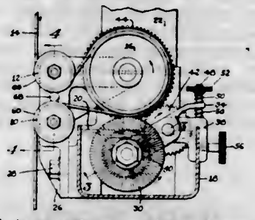
1. In a machine for grinding the curved edge of a glass sheet or plate, a rotary grinding wheel

positioned to rotate about a substantially horizontal axis, means arranged above said wheel for supporting the glass sheet to be ground on edge in a substantially vertical position, means for rocking said supporting means and sheet carried thereby to move the curved edge of the sheet to be ground over and in engagement with said grinding wheel, means for pivotally mounting the supporting means upon a floating axis so that it is capable of free vertical floating movement during the rocking thereof, and means for counterbalancing said supporting means.

2,046,061
COATED METAL
Leo P. Curtin, Cranbury, and James M. Payne, Carteret, N. J., assignors to Curtin-Howe Corporation, New York, N. Y., a corporation of New York
No Drawing. Application January 10, 1935, Serial No. 1,258
17 Claims. (Cl. 148—6.5)

1. As a new manufacture, a ferrous metal object having formed thereon a rustproofing coherent surface coating containing oxalates and vanadium.

2,046,062
WELT TEMPERING MACHINE
Andrew Eppler, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Application February 26, 1934, Serial No. 712,888
5 Claims. (Cl. 91—41)



1. A welt tempering machine having, in combination, a tank for holding liquid below a predetermined level, a rotatable wheel located entirely out of contact with the liquid in the tank for guiding by engagement with one side only a strip of welt above the liquid level, a shaft, a rotary brush on the shaft having a substantial portion of its periphery submerged in the liquid and arranged to engage that portion of the welt carried by the guide wheel, and gearing between the guide wheel and the brush for rotating continuously the brush at a peripheral speed higher than that of the welt on the guide wheel as the welt is withdrawn.

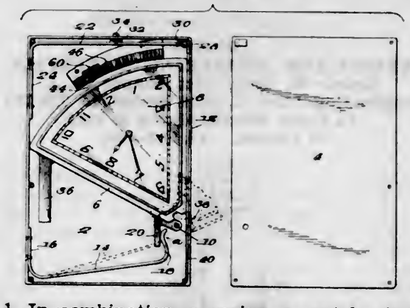
2,046,063
TREATMENT OF HYDROCARBON OILS
Seymour W. Ferris, Aldan, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application March 28, 1933, Serial No. 663,243
20 Claims. (Cl. 196—13)

1. In the art of refining mineral oils, the process which comprises separating an oil containing paraffinic and naphthenic hydrocarbons into fractions respectively richer in paraffinic and naphthenic compounds by extracting said oil with an aliphatic keto-ester.

2,046,064
HYDROCARBON OIL TREATMENT
Seymour W. Ferris, Aldan, Pa., assignor to The Atlantic Refining Company, Philadelphia, Pa., a corporation of Pennsylvania
No Drawing. Application March 28, 1933, Serial No. 663,244
20 Claims. (Cl. 196—13)

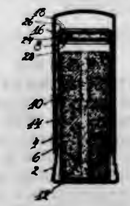
1. In the art of refining mineral oils, the process which comprises separating an oil containing paraffinic and naphthenic hydrocarbons into fractions respectively richer in paraffinic and naphthenic compounds by extracting said oil with a diketone.

2,046,065
WATCH
Irving Florman, New York, N. Y.
Application December 3, 1930, Serial No. 499,801
Renewed April 20, 1935
6 Claims. (Cl. 58—80)



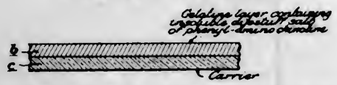
1. In combination, a casing, a watch pivoted in said casing for movement edgewise into the casing into concealed position and out of the casing into visible position and having a winding stem, a gear on said winding stem, a segmental rack in said casing and engaging said gear, said gear and rack cooperating during movement of said watch into said casing to wind said watch.

2,046,066
CIGARETTE LIGHTER
Irving Florman, New York, N. Y.
Application December 7, 1933, Serial No. 701,389
1 Claim. (Cl. 67—7)



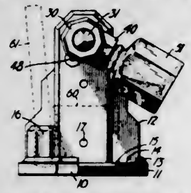
In a lighter, a base, a member having a fuel chamber therein telescoping with said base, said member being closed at its lower end, frictional means to hold said member and base together, a holder having a plurality of perforations in the walls thereof, said holder telescoping with the other end of said member, friction means to hold said holder and member together, said first means holding more tightly than said second means, catalytic material supported in said holder and having at least a portion thereof below said perforations.

2,046,067
METHOD OF PRODUCING COLORED PHOTOGRAPHIC MATERIALS
Béla Gaspar, Brussels, Belgium
Application December 1, 1932, Serial No. 645,312
In Germany December 2, 1931
3 Claims. (Cl. 95—2)



1. In a method of producing colored multilayer photographic materials in which at least one colored emulsion is poured onto a support, the step which consists in coloring the emulsion by a water insoluble salt of an acid dyestuff and a colorless nitrogenous organic base produced at a point in the process prior to coating by double decomposition of a water soluble salt of said colorless nitrogenous organic base and a water soluble salt of the said acid dyestuff.

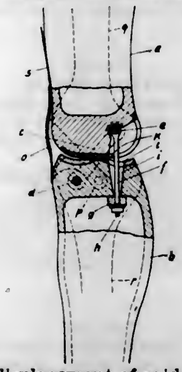
2,046,068
DEVICE FOR MEASURING MATERIALS
Arthur W. Gray, East Orange, N. J.
Application April 24, 1934, Serial No. 722,125
In Great Britain March 3, 1934
13 Claims. (Cl. 221—98)



1. A rotary measuring valve mechanism adapted to be mounted on a support and having a stationary and a rotatable member and a container for material to be measured by the operation of said valve mechanism, said container being attached to said rotatable member, said stationary member having a measuring chamber for said material and said rotatable member being normally in one position with said container extending in a substantially downward direction and being rotatable for each measuring operation into another position with said container extending in a substantially upward position for filling of said chamber.

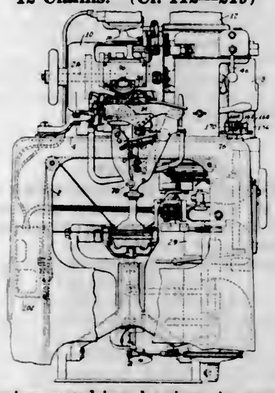
2,046,069
KNEE JOINT FOR ARTIFICIAL LEGS
Georg Greissinger, Vaihingen, Germany
Application February 16, 1934, Serial No. 711,581
In Germany January 2, 1932
1 Claim. (Cl. 3—2)

A knee joint for artificial legs, comprising in combination a hollow thigh casing constructed at its lower end like a natural thigh with a very slightly convex lower surface terminating at its rear end in a rounded portion forming the arc of a circle with its centre near the rear side of the casing and having a sector shaped recess embracing an angle of more than 90° extending from said rounded portion to the centre of the arc, a hollow shank casing constructed at its upper end like a natural shank with a slightly concaved upper surface with a slightly raised portion intermediate its length merging into a cup-shaped cavity at its rear end to accommodate the rounded portion of said thigh casing and having a tapered bore leading from the interior of the shank casing to said cavity and widening towards its outer end, a transverse pin in said thigh casing in the centre of the rounded portion thereof and extending through the upper end of said recess, a transverse pin in said shank casing towards the front side thereof, a pair of links hingedly connecting said transverse pins and consequently inclining upwards towards the rear side of the joint from the shank casing pin to the thigh casing pin, said links adapted to pre-



vent mutual displacement of said casings in horizontal direction, a bolt mounted on the pin in said thigh casing and extending loosely through the recess in said thigh casing to allow the mutual oscillation of said casings, and extending also through the bore in said shank casing, said bolt adapted to shift vertically and swing slightly in said bore during the mutual oscillation of said casings, and adjustable means on said bolt in said shank casing adapted to limit the upward movement of said bolt to limit the forward swinging movement of said thigh casing relative to said shank casing.

2,046,070
SEWING MACHINE
Otto R. Haas, North Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a corporation of New Jersey
Original application March 19, 1932, Serial No. 600,016. Divided and this application March 1, 1935, Serial No. 8,863
12 Claims. (Cl. 112—219)



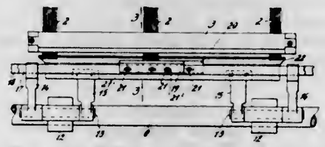
1. A sewing machine having, in combination, stitch-forming devices including an oscillatory

main thread take-up, an auxiliary take-up, a member movable with said auxiliary take-up, a member movable with said main take-up arranged to contact with the member movable with the auxiliary take-up at one limit of movement in the travel of said main take-up, and means for stopping the machine rendered operative by the contacting of said members by reason of slack thread.

2,046,071
LIGHT WEIGHT CONCRETE AND CERAMIC AGGREGATE THEREFOR
Charles Knox Harding, Chicago, Ill.; Mabel T. Harding administratrix of Charles Knox Harding, deceased
No Drawing. Application February 5, 1930, Serial No. 426,182
7 Claims. (Cl. 25—155)

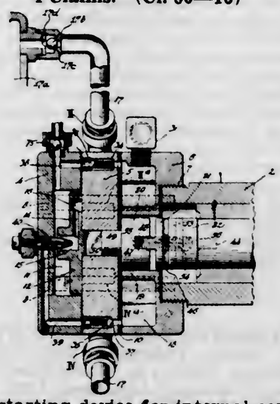
1. The process of producing an improved structure of concrete which consists of placing in the bottom of a mold or form a mixture of cement and an aggregate to form solid concrete having solid faces thereon, then placing thereon in the form of a mixture of light partly hollow ceramic aggregate units with strong outer solid shells and less than enough mortar comprised of cement and a fine aggregate to fill the voids in the hollow aggregate but enough to form a strong porous concrete therewith, and curing the combined layers to form a unitary concrete structure combining the advantages of both solid and porous concrete.

2,046,072
SELECTING DEVICE
Woldemar Heinitz, Chemnitz, Germany, assignor to Schubert & Salzer Maschinenfabrik Aktiengesellschaft, Chemnitz, Germany
Application May 18, 1935, Serial No. 22,253
In Germany July 2, 1934
2 Claims. (Cl. 66—98)



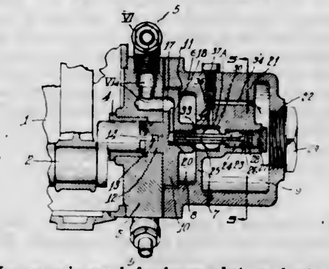
1. In a selecting device for individually movable presser instruments in straight bar knitting machines having a plurality of divisions, a rock shaft extending in front of the divisions of the knitting machine, a spring actuated lever fixed to said rock shaft, a roller adjustably mounted on the free end of said lever, a cam shaft arranged in parallel relation to said rock shaft, a cam and a circular disc fixed to said cam shaft and adapted to cooperate with said roller, an arm mounted on said rock shaft near each end of each division, a bolt journalled in each of said arms, spring actuated supporting arms at both ends of each of said bolts, supporting bars arranged one behind the other and carried by said supporting arms mounted on the end of each of said bolts facing the end of each division, a selecting bar adjustably connected to each of said supporting bars, a return bar carried by said supporting arms fixed to the end of each of said bolts facing the middle of each division, and forwardly and rearwardly directed projections at the lower end of each presser instrument cooperating with said selecting bars and said return bar respectively.

2,046,073
STARTING DEVICE FOR INTERNAL COMBUSTION ENGINES
Charles F. Heywood, Detroit, Mich., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application August 8, 1927, Serial No. 211,365
Renewed December 12, 1933
4 Claims. (Cl. 60—16)



1. In a starting device for internal combustion engines, end chambered sections forming an air chamber and a fuel chamber, an intermediate section separating the chambers, said intermediate section having passages adapted for connection to a series of cylinders and having also a port connecting the chambers, a distributor valve rotatable in said air chamber and having an outlet adapted to pass and register with said passages, said valve having an inlet exposed to the air chamber for communication therewith, a nozzle having one end closed to said air chamber and the other end opening into the valve inlet, and means of communication between the fuel chamber and the inlet of said nozzle.

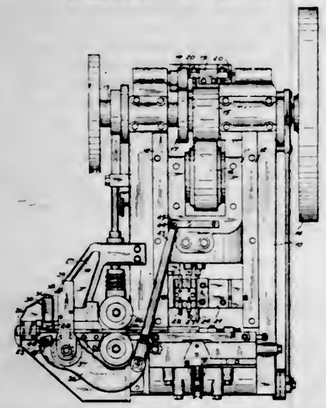
2,046,074
AIR AND FUEL CHAMBER FOR ENGINE STARTERS
Charles F. Heywood, Detroit, Mich., assignor, by mesne assignments, to Eclipse Aviation Corporation, East Orange, N. J., a corporation of New Jersey
Application May 14, 1928, Serial No. 277,590
4 Claims. (Cl. 60—16)



1. In an air and fuel supplying device for internal combustion engines, the combination of a casing having a transverse partition therein including a fuel passage, a cover plate for said casing, said cover plate having a plurality of ports equally spaced on a circle and a central drive

aperture concentric with said circle, a distributing rotor disc arranged on the inner face of said cover plate, having a drive connection extending through said aperture, and a distributing port having an eccentric end on one side of the disc adapted to align with said cover plate ports in sequence upon rotation and a concentric end on the other side of said disc adapted to receive fuel, a nozzle coaxially arranged with respect to said rotor to deliver fuel to said concentric end said nozzle having a bore therethrough connecting with said fuel passage in said partition, said passage having a check valve therein, and terminating at a point in the chamber behind the partition, means for applying a source of air pressure to the cover side of the partition, means for supplying fuel under pressure to the chamber behind the partition, means for limiting the fuel level in the chamber above the end of the fuel passage, and a passage through said partition to a point above said level in said chamber with a check valve therein for permitting flow of air under pressure from the cover side of the diaphragm to the chamber side.

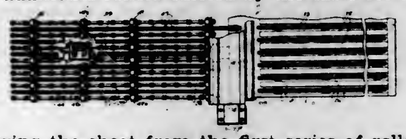
2,046,075
APPARATUS FOR MAKING NUTS
Henry J. Hogue, Lakewood, Ohio, assignor of one-third to Charles L. Wasmer and one-third to John C. Wasmer, Lakewood, Ohio
Application October 25, 1935, Serial No. 46,749
6 Claims. (Cl. 10—76)



1. In apparatus for making nuts, the combination of reciprocating mechanism for piercing and severing nut blanks from rod stock, means for intermittently feeding the stock, and means for flattening the stock comprising an anvil adjacent the path of the stock, a lever actuated in synchronism with said reciprocating mechanism, and a die actuated by said lever and cooperating with said anvil.

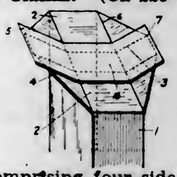
2,046,076
CUTTING MACHINE
James I. Jenkins, Charleston, W. Va., assignor to Libbey-Owens-Ford Glass Company, Toledo, Ohio, a corporation of Ohio
Application April 11, 1935, Serial No. 15,796
14 Claims. (Cl. 33—32)

1. In sheet glass cutting apparatus of the character described, a table including a series of vertically movable rollers for supporting the glass sheet subsequent to cutting, means for raising said rollers into elevated position to receive the sheet thereon, means for subsequently lowering said rollers and sheet carried thereby, a plurality of additional rollers carried by the table for re-



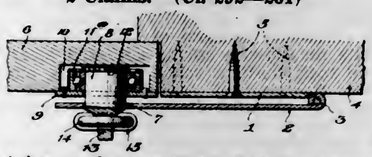
ceiving the sheet from the first series of rollers upon lowering of the latter, and a friction brake device for retarding the downward movement of said first series of rollers.

2,046,077
PACKAGE
Bror Anders Emil Johnson, Alsten, Sweden, assignor to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Stockholm, Sweden, a corporation of Sweden
Application December 26, 1933, Serial No. 704,012
In Sweden December 30, 1932
14 Claims. (Cl. 229—87)



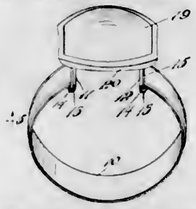
1. A bag comprising four side walls constituting a rectangular tubular body having a sealed end, said end including two oppositely disposed inwardly turned parts and a side flap which constitutes an extension of a bag wall and is bent down along a fold line that extends from one bag corner to another bag corner, a portion of said flap being left exposed between said inwardly turned parts, and a separate strip adhesively applied to said exposed portion of the flap and to said inwardly turned parts so as to cover the same adhesively and be bent along sections of said fold line formed on both of said inwardly turned parts.

2,046,078
HASP KEEPER
William H. Marshall, Knoxville, Tenn.
Application December 20, 1934, Serial No. 758,510
2 Claims. (Cl. 292—281)



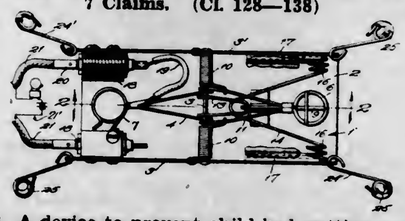
1. A keeper for a swinging hasp, comprising a substantially cylindrical bolt member adapted to rotatably fit a circular opening in the hasp and provided at its outer end with an opening to receive the shackle of a padlock, and a mounting for the bolt, the maximum transverse bolt portion outside of the mounting being less than the diameter of the opening in the swinging hasp member, said mounting including a casing rotatably receiving the rear portion of the bolt, and an anti-friction bearing for the bolt portion within the casing, the rear end of the bolt having an integral annular flange constituting an abutment in cooperative relation with the casing to prevent endwise displacement of the bolt.

2,046,079
BRACELET
Charles Lee MacIntosh, Attleboro, Mass., assignor to S. O. Bigney & Company, a corporation of Massachusetts
Application November 26, 1935, Serial No. 51,608
2 Claims. (Cl. 63—11)



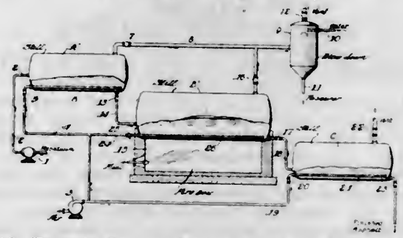
1. A bracelet comprising a buckle having depending side flanges, inwardly extending lips carried thereby, and upturned ears carried by said lips and apertured to receive the ends of links, a resilient band for substantially encircling the wrist with its ends spaced, and links pivoted to the ends of said band and to said upturned ears.

2,046,080
DEVICE TO PREVENT BED WETTING
Clarence L. McClellan, Kerrville, Tex.
Application September 30, 1935, Serial No. 42,927
7 Claims. (Cl. 128—138)



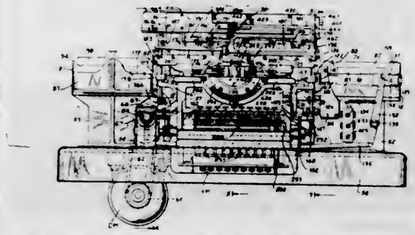
1. A device to prevent child bed wetting comprising a mounting, means for attaching said mounting to a child, a spring driven means carried by said mounting and adapted when released to strike the child for the awakening of the latter, and means releasably retaining said spring driven means in a set position and actuated by the engagement of liquid therewith.

2,046,081
PROCESS FOR MANUFACTURING ASPHALTIC PRODUCTS
Claude P. McNeil, Whiting, Ind., assignor to Standard Oil Company, Chicago, Ill., a corporation of Indiana
Application March 23, 1934, Serial No. 717,058
16 Claims. (Cl. 196—74)



16. Process for producing an asphalt having a consistency substantially unaffected by heating to temperatures up to at least 680° F., comprising contacting a residue from an asphalt-bearing crude oil with an oxygen-containing gas at an oxidizing temperature substantially within the range 300° F. to 425° F. and then soaking the oxidized stock for at least 24 hours at a temperature in excess of 425° F. but substantially below cracking temperatures.

2,046,082
MANUAL AND RECORD CONTROLLED MACHINE
Albert W. Mills, Endicott, N. Y., assignor to International Business Machines Corporation, New York, N. Y., a corporation of New York
Application February 27, 1935, Serial No. 8,445
70 Claims. (Cl. 164—113)



1. In a machine of the class described, a recording element, a continually rotating actuator, an operating member for said element having a projection adapted to engage the actuator to operate said element, and an element pivotally mounted adjacent said projection and adapted to momentarily delay engagement of the projection with the actuator to compel positive engagement between the operating member and actuator.

2,046,083
MEANS FOR THE MANUFACTURE OF PADS OR SHEETS COMPOSED OF FIBERS OF KAPOK OR THE LIKE MATERIALS
Charles Norman Mims, Paris, France
Application June 19, 1934, Serial No. 731,338
In France February 7, 1934
4 Claims. (Cl. 112—2)

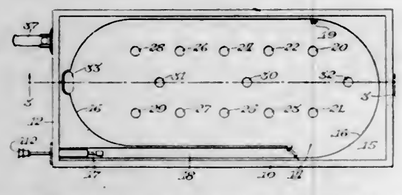


1. In a device of the character described adapted to be used in connection with a sewing machine comprising a pair of opposed plates, said plates having longitudinal and aligning openings therein through which may pass the needle of the sewing machine, means for loosely connecting said plates, a presser foot comprising a plurality of compression rollers carried by said sewing machine and one of said plates having a flat outer surface whereby the presser foot of the sewing machine may travel thereupon.

2,046,084
TICKET ISSUER FOR PINBALL GAMES
Raymond T. Moloney, Chicago, Ill.
Application April 2, 1935, Serial No. 14,314
4 Claims. (Cl. 271—2.4)

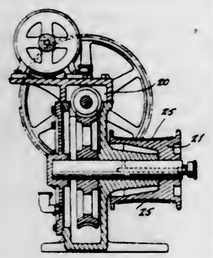
1. The combination with a motor driven reciprocatory slide member carried on a floor

formed with an opening adjacent an end of the slide member, of a ticket dispenser comprising a bracket mounted on the floor adjacent said opening, a horizontal shaft mounted in the bracket over the opening, a pin wheel rotatable about the axis of the shaft and extending part way downwardly into said opening, a guide for a ticket web arranged in close curved overshot relation to the wheel and extending tangentially therefrom over the floor to guide a ticket web to



a point of discharge, said pin wheel being located at the charging end of the guide to push the web therethrough, a ratchet turnable with the pin wheel, a crank arm independently turnable on the shaft and carrying a pawl in operative relation to the ratchet, and an operating link pivotally interconnected between the crank arm and slide member.

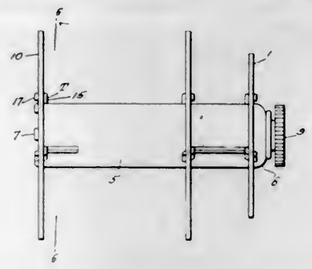
2,046,085
ELECTRIC FURNACE
William E. Moore, Pittsburgh, Pa., assignor to Pittsburgh Research Corporation, Pittsburgh, Pa.
Original application December 22, 1933, Serial No. 703,639. Divided and this application November 1, 1934, Serial No. 751,042
16 Claims. (Cl. 13—14)



3. An electric furnace comprising a furnace shell, a roof detachably secured thereto, columns on said roof, electrode arms slidably supported on said columns, electric winches supported by said roof and operatively connected to said electrode arms to raise and lower the arms on the columns, and means to disconnect the electrode arms and winches when the electrode arms reach their upper and lower limits of travel on the columns.

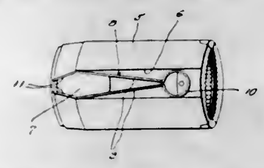
2,046,086
FIRST AID KIT
Harry E. Muse, Reading, Mass.
Application March 1, 1935, Serial No. 8,948
5 Claims. (Cl. 206—1)

1. A device of the class described including a hollow tube having tongues struck therefrom, discs on the tube having openings, said tongues being curved to extend though said openings to hold the disks on the tube, one end of the tube being tapered to receive the neck portion of a bottle, the other end of the tube having tongues



to extend over the bottom of the bottle to hold the same in the tube.

2,046,087
EXPANDER DEVICE
John Pountnay, Daytona Beach, Fla.
Application June 18, 1935, Serial No. 27,253
3 Claims. (Cl. 192—6)



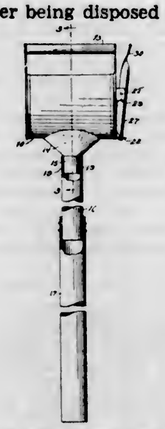
1. In a brake mechanism, the combination of an expansible friction brake sleeve having a longitudinal slot open and tapered at one end, a wedge member engaged in the tapered end of the slot, and a resilient elongated expander member arranged within the slot and having portions straddling said wedge.

2,046,088
WELDING ROD
William B. Price, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a corporation of Connecticut
No Drawing. Application April 8, 1936, Serial No. 73,370
4 Claims. (Cl. 219—8)

1. A non-fuming brass welding rod containing in solid solution in the brass sufficient chromium to restrain fuming in use of the brass rod for welding.

2,046,089
RODENT POISON SPREADER
George Rebhahn, Barber, Mont.
Application January 23, 1935, Serial No. 3,145
1 Claim. (Cl. 221—104)

A device of the character described comprising a cylindrical reservoir, a discharge funnel at one side of the reservoir, a hose length detachably joined with said funnel, a measuring hopper within the funnel and depending from the reservoir and having discharge openings at opposite ends for delivering material from the reservoir to said hopper in determined quantities, a slide operating within the hopper for ejecting material therefrom into the funnel, and means at one end of the reservoir for actuating said slide, the said slide and hopper being disposed crosswise of the

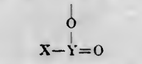


funnel while the slide operates longitudinally of said reservoir.

2,046,090
METHOD OF HALOGENATING COMPOUNDS AND PRODUCT RESULTING THEREFROM
Cortes F. Reed, Anoka, Minn., assignor of one-half to Charles L. Horn, Minneapolis, Minn.
No Drawing. Application December 29, 1933, Serial No. 704,591
27 Claims. (Cl. 260—99.10)

1. The method of halogenating a hydrocarbon which consists in first rendering said hydrocarbon fluid, then simultaneously passing through said hydrocarbon a mixture of gases consisting of one of the halogens and a dioxide of an element of the group consisting of sulphur, selenium, and tellurium.

26. As a new product, a hydrocarbon having at least one of its hydrogen atoms replaced by a substituent having a structure of



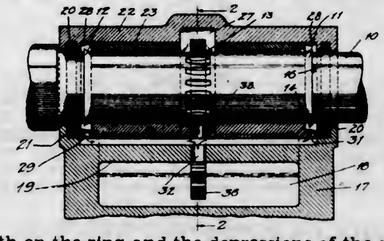
wherein X is a halogen and Y is an element of the group consisting of sulphur, selenium and tellurium.

2,046,091
PAINT
Albert George Rodwell, Dalston, London, England
No Drawing. Application February 6, 1934, Serial No. 709,999. In Great Britain February 20, 1933
3 Claims. (Cl. 134—54)

1. A method of preparing a stable binder mixture for pigments, consisting in first combining gelatinous silica and latex solution and then adding to the mixture a solution of alkali silicate.

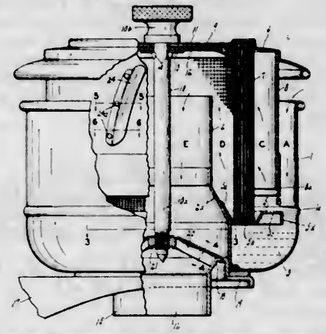
2,046,092
OILING SYSTEM
Nils M. Rosendahl, Cedar Rapids, Iowa, assignor to Universal Crusher Company, Cedar Rapids, Iowa, a corporation of Delaware
Application June 23, 1933, Serial No. 677,251
1 Claim. (Cl. 308—128)

An oiling system including a shaft, a bearing housing having an oil sump therein, a bearing having a recess in its upper portion and means for carrying the oil from the sump to the shaft comprising a ring encircling the shaft having geared teeth on the inner face thereof, and a substantially horizontal portion of the shaft having a series of depressions encircling the shaft of substantially less width than said recess the bottom surfaces of which depressions are arcuate, the



teeth on the ring and the depressions of the shaft being disposed to have geared connection to insure positive rotation of the ring with the shaft and whereby the arcuate bottom surfaces cause graduated increasing lateral pressure to be applied to the ring to urge it to the central position to provide a substantial clearance between it and the walls of the recess the further it moves from the central position.

2,046,093
AIR FILTER MEANS
Albert E. Schaaf, Cleveland, and George M. Walton, Parma, Ohio, assignors to Air-Maze Corporation, Cleveland, Ohio, a corporation of Delaware
Application March 11, 1935, Serial No. 10,374
20 Claims. (Cl. 183—15)



3. In air filter apparatus characterized by an air path including a pass between a wet surface of substantial area and a wall part having an endless edge spaced therefrom, means for varying the velocity of flow through said pass relative to the velocity elsewhere in said path, and comprising sleeve means mounted for sliding adjustment upon said wall part relative to said surface.

2,046,094
PERMANENT HOLDER FOR CATHETERS
Ferdinand Schmidt, Duisburg-Laar, Germany
Application November 21, 1934, Serial No. 754,079½. In Germany April 28, 1934
4 Claims. (Cl. 128—349)

1. Permanent catheter holding device, comprising in combination a frame composed of two cross-wise interconnected expansible bands of

soft material, such as soft rubber, a base plate adapted to be strapped on to the patient, folded over ends on said bands adapted to be detachably buttoned to said base plate and forming a stocking for the penis, and a catheter holding



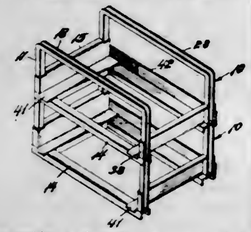
device formed on said bands at their point of intersection and comprising an inner wall and an outer wall at a distance from said inner wall, said walls having star-shaped apertures adapted to receive and hold a catheter.

2,046,095

RACK OR SUPPORTING STRUCTURE

Thomas Shaw, Greenwood, R. I.

Application February 7, 1935, Serial No. 5,427
8 Claims. (Cl. 211—71)



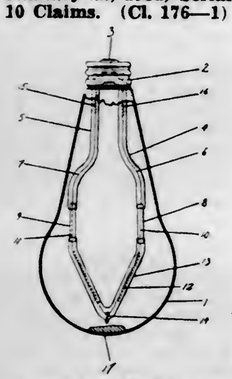
1. A supporting structure comprising a plurality of sections assembled one on top of another, each section comprising a frame-work of generally regular geometrical shape at the back and front thereof, and angular slideways at the opposite sides connecting the side and lower portions of said frame-work, a portion of said slideway extending beyond the front framework and curved downwardly to provide guides to said slideways.

2,046,096

ELECTRIC LIGHT SOURCE

George Sperti, Covington, Ky., assignor, by direct and mesne assignments, to Sperti Lamp Corporation, New York, N. Y., a corporation of Delaware

Application January 22, 1931, Serial No. 510,412
10 Claims. (Cl. 176—1)



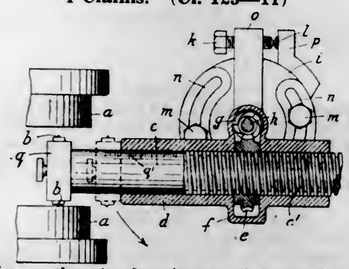
1. A lamp comprising a bulb transmitting both ultra-violet and visible radiation, a base for said bulb including a pair of terminals, a pair of leads connected to said terminals, a tube supported within said bulb with its ends connected to said base and receiving said leads, spaced portions of said tube being formed of refractory oxide material and another portion being of a translucent material, said refractory oxide portions constituting arc electrodes, a quantity of ionizable material in said bulb, resistance heating means housed within and in electrical contact with said refractory oxide portions, incandescible resistance means housed in said translucent portion and constituting a source of visible light, and means connecting all of said resistance means in series with said leads.

2,046,097

WHEEL DRESSING DEVICE FOR ABRASIVE LAPPING MACHINES

Kenneth Edward Summers, Old Fletton, England

Application September 27, 1935, Serial No. 42,396
In Great Britain May 8, 1934
4 Claims. (Cl. 125—11)



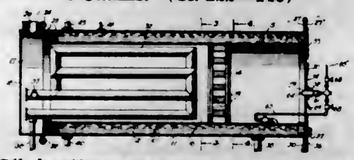
1. In an abrasive lapping machine of the character described, the combination with a pair of spaced, coaxial lapping wheels, of a dressing device for said wheels comprising a screw spindle, a dressing head connected to one end of said spindle, a nut in the form of a worm wheel mounted on said spindle, a sleeve forming an axial guide for the spindle, a casing formed on said sleeve wherein the worm wheel is laterally supported, a worm shaft passing through said casing at right angles to the spindle, a worm on said shaft meshing with the worm wheel, a disc connected to the sleeve and adjustable together with the latter about the worm shaft, a support for said disc allowing it to be turned for bringing the spindle into and out of alignment with the space between the lapping wheels, and means for securing the disc to the support in different angular positions.

2,046,098

OIL HEATING APPARATUS

Glenroie M. Vance and Leonard R. Vance, Kansas City, Mo.

Application December 24, 1934, Serial No. 759,041
3 Claims. (Cl. 122—140)



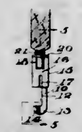
1. Oil heating apparatus comprising, spaced outer walls forming an outer annular heating chamber, a checkerwork wall dividing the interior of the apparatus into a coil compartment and a burner compartment, a coil assembly in said coil compartment provided with means for producing a flow therethrough of the material to be heated, a burner in said burner compartment operating to direct the flames therefrom through said checkerwork and around said coil assembly, inlet and outlet connections for said outer heating chamber beneath the burner compartment and above the coil compartment respectively, and means for connecting the discharge end of said coil assembly with the inlet to said outer heating chamber.

2,046,099

LATCH FOR HEDDLE FRAMES

John Walker, Jr., Melrose Park, Pa., assignor to Walker Manufacturing Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application October 19, 1933, Serial No. 694,268
6 Claims. (Cl. 139—92)



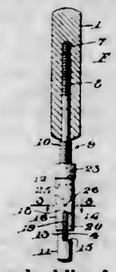
1. A latch for heddle frames, comprising a cylindrical shank, a flattened head of less thickness than said shank, providing laterally protruding shoulders, said head having a recess adapted to receive a heddle bar, a sleeve comprising a flattened portion slidable over and conforming in cross-section substantially to said head, and also comprising a tongue operative in one position of said sleeve to prevent a bar from accidental dislodgment from within said recess, said sleeve also comprising a substantially cylindrical portion slidable over said shank and said shoulders, and means to limit the movement of said sleeve upon said head generally away from said shank.

2,046,100

LATCH FOR HEDDLE FRAMES

John Walker, Jr., Melrose Park, Pa., assignor to Walker Manufacturing Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application December 28, 1934, Serial No. 759,439
4 Claims. (Cl. 139—92)



1. A latch for heddle frames, comprising a cylindrical shank, an enlarged cylindrical head providing an annular shoulder and provided with a recess, and a cylindrical sleeve slidable upon said head and comprising a tongue adapted to engage and retain a heddle bar in said recess, said sleeve being also provided with an annular flange surrounding said shank and engageable with said shoulder to limit the movement of said sleeve in one direction.

2,046,101

SOLIDIFIED COMPOSITION

Albert Foster York, Washington, D. C., assignor to S. Sternau & Co., Inc., New York, N. Y., a corporation of New York

No Drawing. Application March 18, 1932, Serial No. 599,847. Renewed October 12, 1933
4 Claims. (Cl. 44—7)

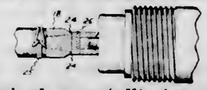
1. A nitrocellulose alcohol gel containing an azeotropic mixture of an organic compound with the alcohol.

2,046,102

ELECTRIC TERMINAL CONNECTION

Charles C. Abbott, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Original application July 30, 1931, Serial No. 554,046. Divided and this application August 13, 1932, Serial No. 628,693
5 Claims. (Cl. 173—263)



1. In a terminal, a metallic terminal member provided with a longitudinal passageway therethrough, a conductor received within said passageway, said terminal member having conical recesses at its ends communicating with said passageway and cooperating with said conductor to define chambers around said conductor and also with a slot intermediate said recesses arranged longitudinally of said terminal and communicating with said passageway, and brazing material filling said conical recesses and said slot and brazed to said conductor and terminal member so as to integrally unite said members.

5. The method of securing a solid metallic connector member to a conductor which comprises forming said connector member with an enlarged portion of substantially uniform diameter from end to end, and a reduced portion in axial alignment with said enlarged portion of substantially uniform diameter from end to end, the juncture of said portions defining a shoulder, providing said member with a passageway arranged longitudinally of said large and small portions, said passageway having two portions of relatively large and small substantially uniform diameters, the portion of larger diameter extending through the large portion of said metallic member and beyond said shoulder to a point in said smaller portion of said member and the smaller portion of said passageway extending from said point through the said smaller portion of said member to the end thereof, inserting said conductor into said passageway of larger diameter to the end thereof, and then reducing the diameter of said larger portion of said connector substantially to the diameter of said smaller portion thereof whereby an enlarged head is provided on the end of said conductor which is securely anchored by the metal walls of said connector member.

2,046,103

PUMP

Ellsworth W. Austin, Cedar Rapids, Iowa, assignor to La Plant-Choate Manufacturing Company, Incorporated, Cedar Rapids, Iowa, a corporation of Delaware

Application December 31, 1934, Serial No. 759,944
4 Claims. (Cl. 180—53)

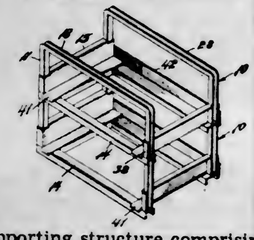
1. In combination with a tractor including a radiator and a motor for driving the tractor, a gear housing mounted on the front of the radiator, a drive shaft mounted for rotation within the

soft material, such as soft rubber, a base plate adapted to be strapped on to the patient, folded over ends on said bands adapted to be detachably buttoned to said base plate and forming a stocking for the penis, and a catheter holding



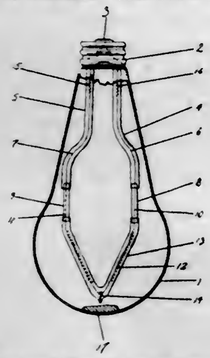
device formed on said bands at their point of intersection and comprising an inner wall and an outer wall at a distance from said inner wall, said walls having star-shaped apertures adapted to receive and hold a catheter.

2,046,095
RACK OR SUPPORTING STRUCTURE
Thomas Shaw, Greenwood, R. I.
Application February 7, 1935, Serial No. 5,427
8 Claims. (Cl. 211—71)



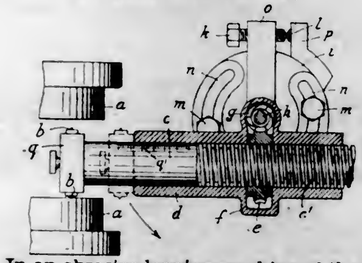
1. A supporting structure comprising a plurality of sections assembled one on top of another, each section comprising a frame-work of generally regular geometrical shape at the back and front thereof, and angular slideways at the opposite sides connecting the side and lower portions of said frame-work, a portion of said slideway extending beyond the front framework and curved downwardly to provide guides to said slideways.

2,046,096
ELECTRIC LIGHT SOURCE
George Sperti, Covington, Ky., assignor, by direct and mesne assignments, to Sperti Lamp Corporation, New York, N. Y., a corporation of Delaware
Application January 22, 1931, Serial No. 510,412
10 Claims. (Cl. 176—1)



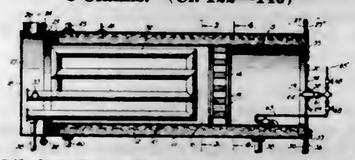
1. A lamp comprising a bulb transmitting both ultra-violet and visible radiation, a base for said bulb including a pair of terminals, a pair of leads connected to said terminals, a tube supported within said bulb with its ends connected to said base and receiving said leads, spaced portions of said tube being formed of refractory oxide material and another portion being of a translucent material, said refractory oxide portions constituting arc electrodes, a quantity of ionizable material in said bulb, resistance heating means housed within and in electrical contact with said refractory oxide portions, incandescible resistance means housed in said translucent portion and constituting a source of visible light, and means connecting all of said resistance means in series with said leads.

2,046,097
WHEEL DRESSING DEVICE FOR ABRASIVE LAPPING MACHINES
Kenneth Edward Summers, Old Fletton, England
Application September 27, 1935, Serial No. 42,396
In Great Britain May 8, 1934
4 Claims. (Cl. 125—11)



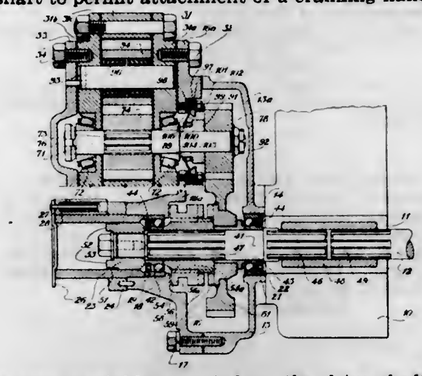
1. In an abrasive lapping machine of the character described, the combination with a pair of spaced, coaxial lapping wheels, of a dressing device for said wheels comprising a screw spindle, a dressing head connected to one end of said spindle, a nut in the form of a worm wheel mounted on said spindle, a sleeve forming an axial guide for the spindle, a casing formed on said sleeve wherein the worm wheel is laterally supported, a worm shaft passing through said casing at right angles to the spindle, a worm on said shaft meshing with the worm wheel, a disc connected to the sleeve and adjustable together with the latter about the worm shaft, a support for said disc allowing it to be turned for bringing the spindle into and out of alignment with the space between the lapping wheels, and means for securing the disc to the support in different angular positions.

2,046,098
OIL HEATING APPARATUS
Glenrole M. Vance and Leonard R. Vance, Kansas City, Mo.
Application December 24, 1934, Serial No. 759,041
3 Claims. (Cl. 122—140)



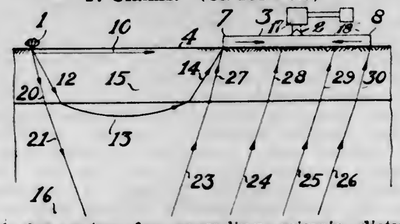
1. Oil heating apparatus comprising, spaced outer walls forming an outer annular heating chamber, a checkerwork wall dividing the interior of the apparatus into a coil compartment and a burner compartment, a coil assembly in said coil

gear housing, coupling means for connecting the drive shaft with the drive shaft of the motor, coupling means on the outer end of the drive shaft to permit attachment of a cranking handle,



a gear rotatably mounted on the drive shaft, a clutch on the drive shaft for engaging the gear, a pump housing mounted on the gear housing, a pump drive shaft, and a gear on the pump drive shaft adapted to mesh with the gear on the drive shaft.

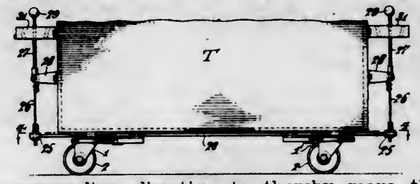
2,046,104
METHOD AND APPARATUS FOR SEISMIC PROSPECTING
Ludwig W. Blau and Louis Statham, Houston, Tex., assignors to Standard Oil Development Company, a corporation of Delaware
Application December 14, 1932, Serial No. 647,084
17 Claims. (Cl. 181—0.5)



4. Apparatus for recording seismic disturbances, comprising a seismograph, means of greater conductivity than the surface layer of the ground for simultaneously collecting over an area larger than the base of the seismograph all the energy arriving through the ground by different paths and for conducting the collected energy to the seismograph to cause the direct waves to actuate the seismograph at successive intervals of time while the reflected waves received at the area actuate the seismograph simultaneously.

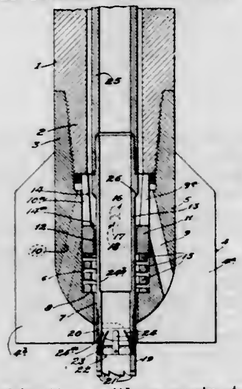
2,046,105
CASTER CONTROL MECHANISM FOR MOVABLE TRUCKS AND THE LIKE
James Bowen, Manheim, Pa., assignor to Charles Bond, Philadelphia, Pa.
Application February 25, 1936, Serial No. 65,631
13 Claims. (Cl. 280—49)

1. In combination with a truck of the class described, a pair of swivel casters having notched swivel plates, a longitudinally slidable rod, locking dogs carried by the rod respectively adapted to enter the notches in the plates and means for sliding the rod comprising pivoted actuating levers respectively supported adjacent the ends of the truck and yielding means connecting each lever with the adjacent end of the rod whereby when either lever is moved about its pivot in either direction the rod is urged to move in a



corresponding direction to thereby move the dogs oppositely with respect to their adjacent swivel plates.

2,046,106
CORE DRILLING APPARATUS
John F. Bozeman, Houston, Tex.
Application March 5, 1936, Serial No. 67,224
18 Claims. (Cl. 255—72)



1. In combination with a main tubular drill stem having a drill bit or cutting tool at the lower end thereof, said bit or cutting tool having an axial bore therethrough, a core drill insertable in said drill stem and movable operably in and through the bore of said main drill bit or cutting tool, means for releasably interlocking said core drill to said main tubular drill stem to be rotated by and with said stem and having provision for limited endwise movement of the core drill in the region of its rotatably interlocked working position in said main tubular drill stem and bit or cutting tool, means for yieldably pressing the core drill in normal cutting position with its cutting end portion in advance of the main bit or cutting tool, and means for indicating to the operator the yielding of the core drill from its normally advanced drilling position.

2,046,107
ASH RECEIVER
Rudolph F. De Boer, Grand Rapids, Mich.
Application March 18, 1935, Serial No. 11,562
9 Claims. (Cl. 206—19.5)

1. In combination, a base plate having a bead extending in one direction and then terminating in a flange extending in the other direction, a plurality of slots formed in the base plate inwardly from the bead, an outer shell having a segmental spherical shape and tangs equal in number to the slots and positioned to extend through said slots whereby the shell and the base plate may be held together, a second segmental spherical shell of lesser diameter than the first mem-

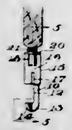
compartment provided with means for producing a flow therethrough of the material to be heated, a burner in said burner compartment operating to direct the flames therefrom through said checkerwork and around said coil assembly, inlet and outlet connections for said outer heating chamber beneath the burner compartment and above the coil compartment respectively, and means for connecting the discharge end of said coil assembly with the inlet to said outer heating chamber.

2,046,099

LATCH FOR HEDDLE FRAMES

John Walker, Jr., Melrose Park, Pa., assignor to Walker Manufacturing Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application October 19, 1933, Serial No. 694,268
6 Claims. (Cl. 139—92)



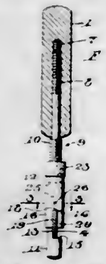
1. A latch for heddle frames, comprising a cylindrical shank, a flattened head of less thickness than said shank, providing laterally protruding shoulders, said head having a recess adapted to receive a heddle bar, a sleeve comprising a flattened portion slidable over and conforming in cross-section substantially to said head, and also comprising a tongue operative in one position of said sleeve to prevent a bar from accidental dislodgment from within said recess, said sleeve also comprising a substantially cylindrical portion slidable over said shank and said shoulders, and means to limit the movement of said sleeve upon said head generally away from said shank.

2,046,100

LATCH FOR HEDDLE FRAMES

John Walker, Jr., Melrose Park, Pa., assignor to Walker Manufacturing Company, Inc., Philadelphia, Pa., a corporation of Pennsylvania

Application December 28, 1934, Serial No. 759,439
4 Claims. (Cl. 139—92)



1. A latch for heddle frames, comprising a cylindrical shank, an enlarged cylindrical head providing an annular shoulder and provided with a recess, and a cylindrical sleeve slidable upon said head and comprising a tongue adapted to engage and retain a heddle bar in said recess, said sleeve being also provided with an annular flange surrounding said shank and engageable with said shoulder to limit the movement of said sleeve in one direction.

2,046,101

SOLIDIFIED COMPOSITION

Albert Foster York, Washington, D. C., assignor to S. Sternau & Co., Inc., New York, N. Y., a corporation of New York

No Drawing. Application March 18, 1932, Serial No. 599,847. Renewed October 12, 1933
4 Claims. (Cl. 44—7)

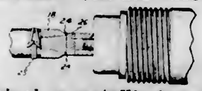
1. A nitrocellulose alcohol gel containing an azeotropic mixture of an organic compound with the alcohol.

2,046,102

ELECTRIC TERMINAL CONNECTION

Charles C. Abbott, Pittsfield, Mass., assignor to General Electric Company, a corporation of New York

Original application July 30, 1931, Serial No. 554,046. Divided and this application August 13, 1932, Serial No. 628,693
5 Claims. (Cl. 173—263)



1. In a terminal, a metallic terminal member provided with a longitudinal passageway therethrough, a conductor received within said passageway, said terminal member having conical recesses at its ends communicating with said passageway and cooperating with said conductor to define chambers around said conductor and also with a slot intermediate said recesses arranged longitudinally of said terminal and communicating with said passageway, and brazing material filling said conical recesses and said slot and brazed to said conductor and terminal member so as to integrally unite said members.

5. The method of securing a solid metallic connector member to a conductor which comprises forming said connector member with an enlarged portion of substantially uniform diameter from end to end, and a reduced portion in axial alignment with said enlarged portion of substantially uniform diameter from end to end, the juncture of said portions defining a shoulder, providing said member with a passageway arranged longitudinally of said large and small portions, said passageway having two portions of relatively large and small substantially uniform diameters, the portion of larger diameter extending through the large portion of said metallic member and beyond said shoulder to a point in said smaller portion of said member and the smaller portion of said passageway extending from said point through the said smaller portion of said member to the end thereof, inserting said conductor into said passageway of larger diameter to the end thereof, and then reducing the diameter of said larger portion of said connector substantially to the diameter of said smaller portion thereof whereby an enlarged head is provided on the end of said conductor which is securely anchored by the metal walls of said connector member.

2,046,103

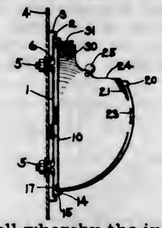
PUMP

Ellsworth W. Austin, Cedar Rapids, Iowa, assignor to La Plant-Choate Manufacturing Company, Incorporated, Cedar Rapids, Iowa, a corporation of Delaware

Application December 31, 1934, Serial No. 759,944
4 Claims. (Cl. 180—53)

1. In combination with a tractor including a radiator and a motor for driving the tractor, a gear housing mounted on the front of the radiator, a drive shaft mounted for rotation within the

tioned shell positioned therein, both of said shells having alined openings therethrough, means extending from the inner shell through the opening



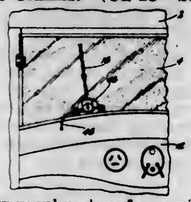
in the outer shell whereby the inner shell may be rotated a predetermined amount for the purpose described.

2,046,108

WINDSHIELD WIPER

Harold Drew, Luton, England, assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application June 22, 1931, Serial No. 545,993
In Great Britain September 3, 1930
16 Claims. (Cl. 15—255)



1. In a wiper mechanism for a pivotally mounted swingable window, a framing for the window, a wiper blade, means for oscillatably mounting said blade in the window margin adjacent the edge opposite the pivot, means permanently mounted on the framing for operating the blade, said two means including a connection enabling said last-named means to become disengaged from the first-named means when the window is swung on its pivot.

2,046,109

ROTARY MIXER

John J. Dunne and Nolen H. McCleary, Chicago, Ill.

Application June 6, 1935, Serial No. 25,277
3 Claims. (Cl. 259—129)



1. In a mixer of the class described, a rotary beater having a bowl like beater member of tablespoon shape disposed with its major axis lengthwise of its axis of rotation and offset therefrom with its concaved side facing inwardly, said member having a longitudinally extending opening therein at each side of its longitudinally extending center line.

2,046,110

PROCESS FOR SETTLING AND CLARIFYING LIQUIDS, SEMILIQUIDS, AND PULPS CONTAINING FINELY DIVIDED PARTICLES OF MATTER

Arthur J. Elian, Mexico D. F., Mexico, assignor to Vacuum Process Mineral Extracting Company, Mexico D. F., Mexico, a corporation of Mexico

No Drawing. Application September 9, 1933, Serial No. 688,830. In Mexico September 29, 1932
2 Claims. (Cl. 210—1)

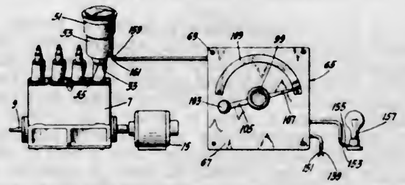
1. The steps in the process for settling and treating suspended finely divided solid particles of matter from solutions containing the same, which comprise, submitting said solutions to the action of a vacuum or effective partial vacuum, simultaneously agitating the solutions to produce separate motions of said particles and causing reacting substances placed therein to act upon said particles while under said vacuum and while in motion, whereby the action of said reacting substances is accelerated and more perfect chemical or physical changes are produced.

2,046,111

SPEEDOMETER DEMAGNETIZER

Edward W. Ely and Ralph O. Helgeby, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application March 5, 1934, Serial No. 713,978
13 Claims. (Cl. 175—183)



11. A magnetic calibrator comprising a holder for an instrument to be calibrated, a demagnetizing coil mounted adjacent thereto, an A. C. circuit including said demagnetizing coil and a choke coil in series therewith, a reciprocable core for said choke coil, manually operable means for reciprocating said core within said choke coil, and a switch in said circuit opened by reciprocation of the core to its point farthest within said choke coil.

2,046,112

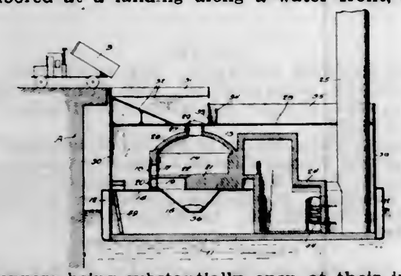
APPARATUS FOR WASTE MATERIAL DISPOSAL

Augustus C. Felton, Jr., Macon, Ga.

Application June 29, 1933, Serial No. 678,288
1 Claim. (Cl. 110—8)

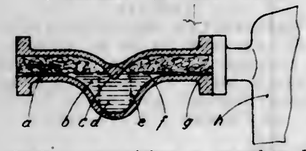
In an apparatus of the class described, a barge, a deck enclosing the top side of said barge, incinerator furnaces supported in longitudinal alinement on said deck and having their ash pits depending into the bilge of the barge through openings in the deck, a charging floor forming a top deck extending over said barge above said incinerator furnaces and having openings therein leading to the interiors of the latter, hoppers

mounted on said charging floor along an edge thereof at the mooring side of said barge for the direct dumping therein and into said charging openings of the content of vehicles employed in the collection of city refuse when the barge is moored at a landing along a water front, said



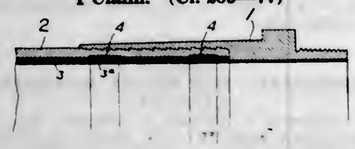
hoppers being substantially open at their inner sides, and a guard rail extending across the open side of each hopper to allow of the hand stoking of waste material from the hoppers and into the said charging openings without danger to an attendant performing the stoking operation.

2,046,113
FLUID FLOW INDICATOR FOR STEAM TRAPS
Gustav Friedrich Gerdts, Bremen, Germany
Application August 24, 1934, Serial No. 741,291
In Germany December 23, 1933
2 Claims. (Cl. 116—117)



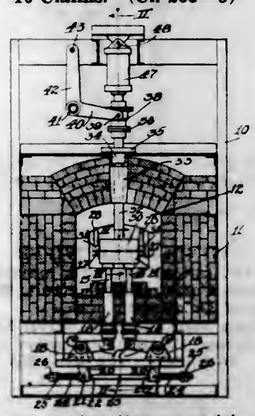
1. A device comprising a member having a pocket intermediate its ends and an inlet and an outlet passage communicating with said pocket, said passages and pocket forming a continuous channel for conducting steam and condensate toward a trap, a window in a wall of said pocket and having graduations arranged thereon, and a rib projecting from a wall of said channel into said pocket to such a position as to cause flowing steam to depress the condensate to an extent measurable against the graduations on the glass.

2,046,114
EXPANSION RING HOSE COUPLING
Howard W. Goodall, Aldan, Pa.
Application October 21, 1935, Serial No. 45,902
1 Claim. (Cl. 285—77)



In an expansion type hose coupling a rubber covered expansion ring and a rubber lining for the hose contacting with the outer surface of the rubber covering of the ring, the rubber surface of the hose lining and inner surface the rubber covering of the ring being substantially flush and providing a continuous lining throughout the structure.

2,046,115
FURNACE CONSTRUCTION
Oscar F. Gottlieb, Lake Bluff, Ill., assignor to Oakes Products Corporation, North Chicago, Ill., a corporation of Michigan
Application July 16, 1934, Serial No. 735,405
10 Claims. (Cl. 266—5)

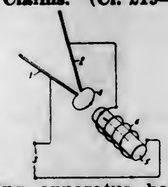


1. A furnace construction comprising a heating chamber, a die mounted in the central portion of said heating chamber in spaced relation from the walls thereof, a plurality of vertical supports for said die extending through the bottom of said chamber and means for adjusting said supports to control the level of said die.

2,046,116
METHOD AND RESULTING COMPOUND FROM ADMIXING SODIUM MORRHUATE AND QUININE SOLUTIONS
Frederick R. Greenbaum, Philadelphia, Pa.
No Drawing. Application April 18, 1935, Serial No. 17,059
6 Claims. (Cl. 167—67)

1. The process of producing a solution of quinine alkaloid and sodium morrhuate, which consists in dissolving quinine alkaloid in morrhuic acid, to produce quinine morrhuate, and then dissolving the quinine morrhuate in normal sodium hydroxide.

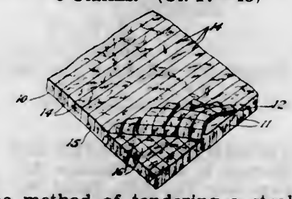
2,046,117
ARC WELDING APPARATUS
Arthur Llewelyn Guest, Wrexham, England, assignor to General Electric Company, a corporation of New York
Application June 17, 1935, Serial No. 27,095
In Great Britain June 22, 1934
11 Claims. (Cl. 219—8)



1. Arc welding apparatus having electrodes whose axes are so arranged relatively to one another that the arc established between said electrodes is blown out away from their arcing tips to form a loop directed toward the work, said apparatus including means for producing an

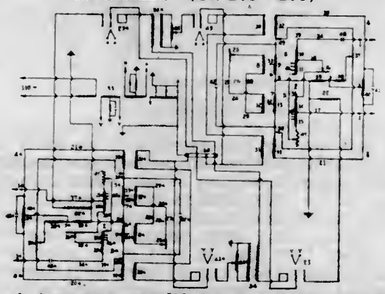
electromagnetic field located between the arcing terminals of said electrodes and the work and interlinking the arc loop in the same sense as the field produced by said arc loop.

2,046,118
TENDERED STEAK AND METHOD OF TENDERING THE SAME
Albert J. Gurney, Canton, Ohio, assignor to The American Mine Door Company, Canton, Ohio, a corporation of Ohio
Application July 14, 1933, Serial No. 680,402
6 Claims. (Cl. 17—45)



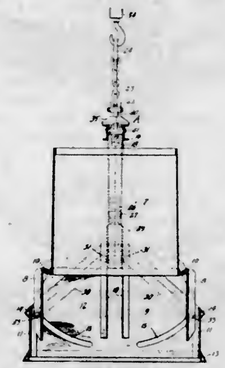
1. The method of tendering a steak and the like which consists in placing a plurality of spaced continuous cuts of uniform depth through one side of the steak and extending more than halfway through the thickness thereof and placing a plurality of similar cuts through the opposite side of the steak and extending more than halfway through the thickness thereof and at an angle to the first named cuts.

2,046,119
UNIVERSAL TELEPHONE REPEATER
William E. Harding, Indianapolis, Ind.
Application September 16, 1933, Serial No. 689,731
25 Claims. (Cl. 179—170)



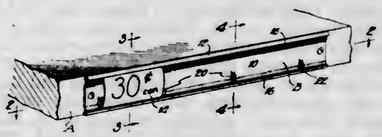
1. A two-way amplifying self-balancing telephone repeater having at either end a transformer arrangement embodying a balancing bridge circuit of two arms composed of transformer windings in which output currents are equalized, and having a winding of said arrangement terminating and connecting between said windings of said two arms, said winding and one of said arms being an input circuit, said winding having differential relation to such equalized output currents; an unbalance compensating circuit having windings differentially associated with said windings in said two arms and thus maintaining equalization of output currents in said arms regardless of impedance fluctuations in one of said arms; an amplifying circuit having output inductive relation to said two arms through other windings of said arrangement; a line terminal connecting to a telephone circuit; and a low frequency signal and noise blocking condenser interposed between said line terminal and said one of said two arms and blocking low frequency noise and signal currents, and passing voice frequencies.

2,046,120
APPARATUS FOR DEPOSITING MATERIAL UNDER WATER
Edward Le Roy Harrington, Pittsburgh, Pa., assignor to Blaw-Knox Company, Pittsburgh, Pa., a corporation of New Jersey
Application February 21, 1934, Serial No. 712,281
9 Claims. (Cl. 61—63)



1. Apparatus for depositing material under water comprising a common lifting member, a bucket suspended therefrom, and a shroud independently and releasably suspended therefrom whereby the bucket may be raised relative to the shroud when the shroud is released from the common lifting member, bucket closure means and closure operating means connected thereto and to said shroud and operated by relative movement between the bucket and shroud.

2,046,121
SHELF MOLDING
Leo Hopp, New York, N. Y.
Application April 7, 1936, Serial No. 73,108
2 Claims. (Cl. 40—17)

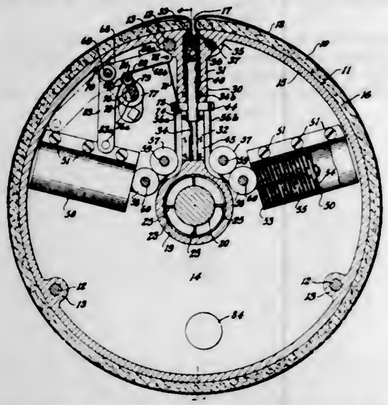


1. As an article of manufacture, a ticket holding channel comprising a main body portion of elongated form, ticket retaining flanges extending along two opposite edges of said main body portion, a bead extending longitudinally of each side of said main body portion, each of said beads being closely associated with its respective ticket retaining flange, and ticket positioning means comprising lugs struck from the main body portion of the channel and extending to and including a portion of one of said longitudinally extending beads.

2,046,122
BUFFING AND POLISHING WHEEL
Nathan C. Hunt, Salem, Ohio
Application May 19, 1934, Serial No. 726,555
15 Claims. (Cl. 51—194)

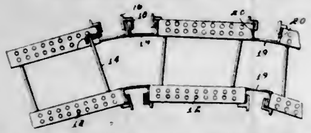
1. A polishing wheel having a drum face, a cushion secured on the drum face, an abrasive band surrounding said cushion, and means on the

wheel for always imposing a tension on the ab-



rasive band and for automatically statically balancing the wheel for varying amounts of tension.

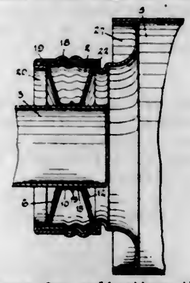
2,046,123
MOLD FORM FOR CIRCULAR CONCRETE WALLS
William Allen Jennings, Des Moines, Iowa, assignor to Economy Forms Corporation, Des Moines, Iowa, a corporation of Iowa
Application January 7, 1935, Serial No. 613
2 Claims. (Cl. 25—131)



1. In a mold for curved concrete forms, the combination of two form panels, each made of sheet metal with its edges bent outwardly at substantially right angles to the frame body and connected together at the corners for forming substantially rigid panels, said flanges being formed with pin receiving openings, a relatively narrow panel member formed of sheet metal and having its side edges formed with outwardly extended flanges, the body portion between said flanges being free from transverse braces and readily bendable in reverse directions between said flanges, the openings of the flanges of the narrow panel being arranged to align with the said openings in the side flanges in the rigid panels, and pins passed through said openings in said flanges for aligning the panels.

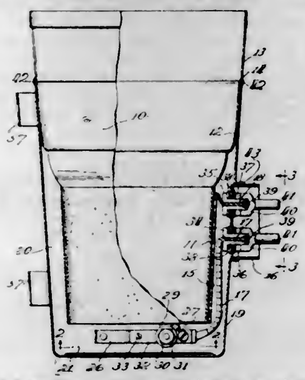
2,046,124
UNIVERSAL PIPE CONNECTER
George H. Kleekamp, Defiance, Ohio, assignor to Arnold Haviland
Application June 17, 1935, Serial No. 27,000
5 Claims. (Cl. 285—183)

1. In a pipe coupler, a cylindrical member for receiving a pipe, a convex disc having a central opening substantially fitting the pipe, a second convex disc member seated in the cylindrical part for engaging the inner edge of the first named disc, the cylindrical part having means for engaging the outer edge of the first named disc and for wedging the first named disc against the pipe and the inner edge of the second named



disc, and means for adjusting the last named means.

2,046,125
ELECTRICALLY HEATED CUP
Herman E. Lacy, Chicago, Ill.
Application July 22, 1935, Serial No. 32,504
1 Claim. (Cl. 219—43)



A self-heating cup comprising an inner container, an electric heating element closely applied to the exterior portion of said inner container adjacent the lower portion thereof, an outer shell within which said inner container is adapted to be disposed, said outer shell terminating below the upper free edge of said inner container, a socket disposed within said outer shell, externally threaded hollow members associated with said socket adapted for receiving the terminals of said heating elements therein, fusible material for securing the free ends of said terminals within the hollow members, electric conducting caps having a hollow internally threaded portion disposed over said free ends of said terminals to protect the same from injury due to arcing, and means associated with said heating element and disposed in threaded relation adjacent the lower wall of said inner container for interrupting the supply of current to said heating element upon a certain predetermined temperature being reached.

2,046,126
BASE FOR THE GAME OF BASEBALL
Harry B. Latina, East St. Louis, Ill., assignor to Rawlings Manufacturing Company, St. Louis, Mo., a corporation of Missouri
Application July 15, 1935, Serial No. 31,344
4 Claims. (Cl. 273—25)

1. A removable casing for a baseball base, made of canvas or the like and provided with flaps

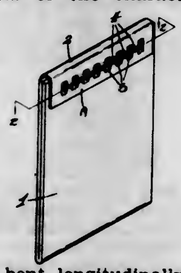
adapted to be positioned on the underside of said base, said flaps having reinforced slits that are



adapted to receive a retaining strap for securing the base to the ground.

2,046,127
TAMPERPROOF SEAL
Alvin A. Massini, Wheeling, W. Va.
Application July 16, 1935, Serial No. 31,561
8 Claims. (Cl. 24—66)

1. In a seal of the character described, a

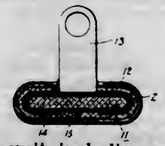


metallic clip bent longitudinally upon itself to substantially U-shape in cross section to embrace the material to be sealed, and inwardly directed tangs penetrating said material from opposite wings of said clip, said tangs being of substantially rectangular form and being accommodated by a conforming recess provided in the wing opposite to that from which the tang is struck.

2,046,128
METHOD OF TREATING SULPHUR AND PRODUCT
Raymond C. McQuiston, West Newton, Mass., assignor to Mac Sulphur Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application December 17, 1932, Serial No. 647,833
8 Claims. (Cl. 167—20)
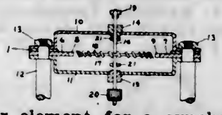
1. Process of preparing a toxic composition which comprises dissolving sulphur in a suitable solvent and mixing it with an emulsifying base containing fatty acids, alcoholic body and an alkaline metal hydroxide, and then adding a greased buffer containing a protein, an alkaline metal hydroxide and a tanning agent, and stirring the mass.

2,046,129
RESISTANCE UNIT
John J. Mucher, Brooklyn, N. Y.
Application October 4, 1935, Serial No. 43,613
9 Claims. (Cl. 201—67)



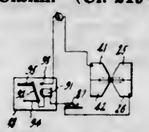
3. A resistance unit, including a resistance element having a base of insulating material and a resistance wire wound thereon, and a terminal applied to said base, said terminal having an aperture therein, said base having a depression opposite said aperture and a filling up of soldering filling said aperture and the depression opposite the aperture, said filling of solder surrounding and embedding certain of the turns of said wire for electrically connecting the wire with the terminal.

2,046,130
SYNCHRONOUS MOTOR
Andrew H. Neureuther, Peru, Ill., assignor to Western Clock Company, Peru, Ill., a corporation of Illinois
Application April 16, 1932, Serial No. 605,634
7 Claims. (Cl. 172—275)



1. A rotor element for a synchronous motor comprising a shaft, a one-piece disc of magnetic material secured to said shaft, said disc having twisted spaced polar projections forming extensions of the body of the disc and having the peripheral edges thereof arranged in planes displaced from the plane of the body of the disc.

2,046,131
MECHANISM FOR WELDING CHAIN LINKS
John Hillyard Powell, Chester, and Gilson C. Staats, Folsom, Pa., assignors to Baldt Anchor, Chain & Forge Corporation, Chester, Pa., a corporation of Delaware
Application April 30, 1934, Serial No. 723,058
1 Claim. (Cl. 219—4)



A machine of the class described, comprising a fixed frame and a movable frame shiftable thereon, die members on said frames adapted to hold half-links of chain to be welded together, power means for moving said movable frame to bring said half-links into contact, an electric welding circuit including said half-links, a pair of control switches connected in series in said circuit, one of said switches being manually operable, the other said switch being automatically operable to open when the movable frame reaches a predetermined point in its travel, and magnetic means for holding said manual switch closed when current is flowing in the circuit.

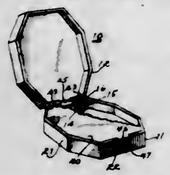
2,046,132
FUMIGATING CAP
William C. Purdy, Tallulah, La.
Application July 19, 1935, Serial No. 32,300
2 Claims. (Cl. 220—87)



1. A container, comprising a body having an end formed with a thickened plate provided with an aperture, a ring having a tubular threaded portion fitted into said aperture and an outturned

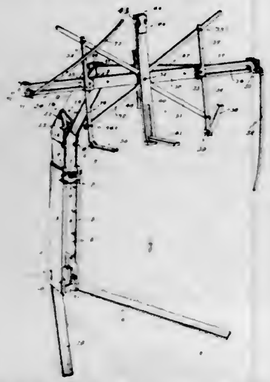
flange overlapping part of said plate, a plurality of securing rivets extending through said flange and said plate for holding said ring in place, a gasket interposed between the ring and said plate for providing an airtight connection, a cap body having a solid end and threaded tubular member screwed into said threaded tubular portion, said threaded tubular member being formed with an inturned flange, a fumigating carrying element arranged in said cap body, and a foraminous plate removably mounted on said inturned flange presenting a bottom closure for said cap body.

2,046,133
CLOSED RECEPTACLE OR CASE
Merrill L. Rathbun, Jamestown, N. Y.
Application July 2, 1935, Serial No. 29,533
18 Claims. (Cl. 217—57)



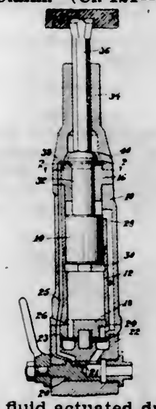
1. A receptacle comprising a body portion and cover, complementary pivotal means in said body portion and said cover, spring means securing said means in operable pivotal relationship, said pivotal means being outwardly offset to increase the pivotal range of said body portion and said cover.

2,046,134
BOOK OR SHEET HOLDER
Earl T. Ryang, Chicago, Ill.
Application November 25, 1935, Serial No. 51,444
10 Claims. (Cl. 45—121)



1. In a device of the class described, a rack comprising a horizontal beam, a pair of diagonal bars pivotally mounted on said beam, a pair of travelers respectively mounted at opposite ends of said beam and longitudinally slidable thereon, two pairs of toggle-jointed spreader arms having their joints respectively pivoted to said travelers and having their ends pivoted to said diagonal bars, a pair of rearwardly extending arms respectively connected to said travelers, and a standard adapted to engage the rearward ends of said rearwardly extending arms for supporting said rack in front of said standard.

2,046,135
ROCK DRILL
William A. Smith, Sr., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a corporation of New Jersey
Application August 8, 1934, Serial No. 738,921
1 Claim. (Cl. 121—10)



In a pressure fluid actuated drill, a front head having a cavity and an annular groove in the cavity, an anvil block extending into the cavity, a passage for supplying pressure fluid to the groove, and a front cylinder washer to guide the anvil block and having a portion overlying the annular groove and cooperating with the wall of the cavity to define an annular outlet opening for the groove around the anvil block whereby an annulus of pressure fluid surrounding the anvil block is introduced into the cavity to prevent the lodgement of foreign matter on the anvil block.

2,046,136
TEXTILE ROLL AND METHOD OF MAKING THE SAME
Charles W. St. Claire, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application May 18, 1932, Serial No. 611,983
14 Claims. (Cl. 19—143)



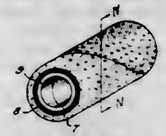
1. The method of forming a cork cot for textile rolls which consists in forming a composition cork strip, winding the strip helically in a cylindrical shape while applying an adhesive so that abutting edges of the strip are adhesively joined and holding said abutting edges in compressive relationship.

7. A cot for textile rolls comprising a cylindrical body formed of a strip of cork composition having a firmness imparted by a compression of at least 6 to 1 and having its working surface formed of the exposed edges of flattened cork granules, said strip being helically disposed and held as a helix solely by a flexible adhesive uniting adjacent edges of the strip.

2,046,137
TEXTILE ROLL
Henning W. Prentis, Jr., Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application October 7, 1932, Serial No. 636,677
13 Claims. (Cl. 19—143)

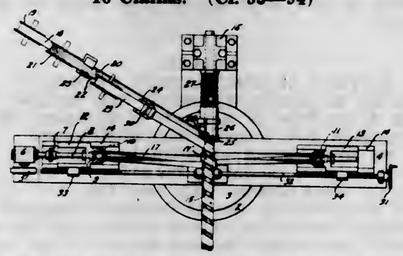
1. A cot for textile rolls comprising a cylindrical body having a compressible and expansible core,

a composition cork working surface, and a substantially intextensible intermediate reenforcing



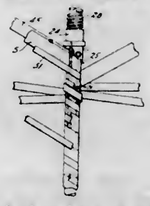
for confining to the core the stresses incident to application of the cot to a roll.

2,046,138
CORK COT AND METHOD OF MAKING THE SAME
William B. Tucker, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application October 30, 1934, Serial No. 750,704
16 Claims. (Cl. 93—94)



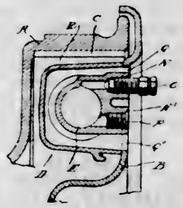
1. In the method of making cork composition cots, the steps consisting in winding a strip of cork composition having adhesive applied to at least one longitudinal edge thereof helically into a cylindrical shape with the abutting edges in firm engagement, and adhesively attaching a securing strip of substantially inextensible sheet material over the joint formed by the abutting edges of the cork strip to hold said cork composition strip as a cylindrical shape until the adhesive applied to the longitudinal edge of the cork composition strip has set.

2,046,139
METHOD OF MAKING TUBES AND APPARATUS THEREFOR
Frederick Votteler, Lancaster, Pa., assignor to Armstrong Cork Company, Lancaster, Pa., a corporation of Pennsylvania
Application October 30, 1934, Serial No. 750,705
17 Claims. (Cl. 93—80)



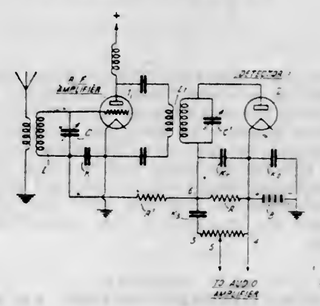
1. In a method of making single thickness tubes, the steps consisting in winding a strip of flexible base material having adhesive applied to at least one longitudinal edge thereof helically into a cylindrical shape, forming a securing tube in situ about the helically disposed base strip to hold the abutting edges of said strip in firm engagement until the applied adhesive has set, and thereafter removing the securing tube.

2,046,140
BRAKE MECHANISM
John William White, Detroit, Mich., assignor, by mesne assignments, to General Motors Corporation, a corporation of Delaware
Application March 26, 1934, Serial No. 717,489
4 Claims. (Cl. 188—152)



1. The combination with a brake drum, a brake head forming a closure for said drum and brake friction means mounted on said head within said drum, of a hydraulic actuator for said brake friction means, said actuator comprising a hydraulic wheel cylinder and a jacket surrounding and spaced from the cylinder forming an air space in communication with the atmosphere.

2,046,141
AUTOMATIC GAIN CONTROL CIRCUIT
Karl Wilhelm and Ernst Klotz, Berlin, Germany, assignors to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application April 21, 1934, Serial No. 721,722
In Germany May 30, 1933
4 Claims. (Cl. 250—20)

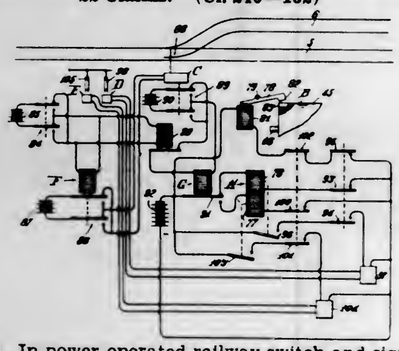


1. In combination with a signal amplifier having a signal input circuit connected between its signal control grid and cathode, a diode rectifier coupled to the output circuit of the amplifier, a direct current path connected between the grid and cathode of the amplifier and including an impedance in series with a source of direct current, the diode electrodes being connected to different points on said impedance, the amplifier grid being connected to the diode anode point on the impedance and the amplifier cathode being connected to the negative side of said source, and said source having a voltage magnitude such that the amplifier grid draws current in the absence of signals above a predetermined amplitude and imparts a minimum sensitivity to the amplifier, and said impedance having a resistive value to provide a diode anode bias voltage from said grid current sufficient to render the rectifier inoperative for signals below said amplitude.

2,046,142
INSULATION COMPOSITION AND PROCESS OF MAKING THE SAME
George Witty, Long Island City, N. Y.
No Drawing. Application July 24, 1935, Serial No. 32,968
1 Claim. (Cl. 106—18)

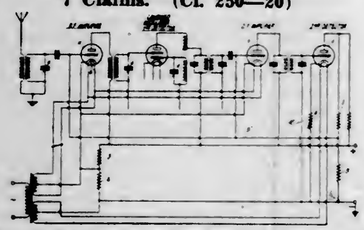
An insulating composition consisting essentially of 50 parts of sawdust, 25 parts of calcined dolomite, 10 parts of ground slag, 10 parts of pulverized clay, 5 parts of dextrin, and water in sufficient quantity to form a paste or plastic composition of the desired consistency; and the whole pressed into shape substantially as described, and dried at a temperature of 175° to 250° Fahrenheit.

2,046,143
CONTROLLING MECHANISM FOR INTERLOCKED RAILWAY SIGNALS AND SWITCHES
Leroy Wyant, Chicago, Ill., assignor to Associated Electric Laboratories, Inc., Chicago, Ill., a corporation of Delaware
Application November 7, 1930, Serial No. 494,070
22 Claims. (Cl. 246—132)



1. In power operated railway switch and signal mechanism, a control panel comprising a panel board with the track layout indicated on the face thereof, a plurality of manually movable indicating members on the face of the panel corresponding to the various track switches and signals to be controlled, and electric switches comprising contact members movable with the indicating members for controlling the several operating circuits.

2,046,144
AUTOMATIC GAIN CONTROL RECEIVER
Guido Anders, Berlin, Germany, assignor to Telefunken Gesellschaft fur Drahtlose Telegraphie m. b. H., Berlin, Germany, a corporation of Germany
Application December 17, 1932, Serial No. 647,719
In Germany January 22, 1932
7 Claims. (Cl. 250—20)

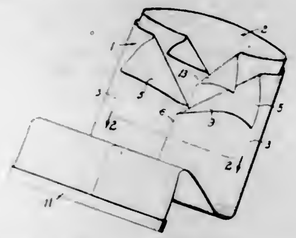


1. In combination, in a radio receiver, a radio frequency amplifier including a signal grid, cathode and anode, a rectifier including a tube provided with a grid, cathode and anode, means for coupling the rectifier grid to the amplifier anode circuit for signal energy transfer, a source of direct current, a connection including a resistor from the rectifier anode to a positive potential point of said source, the rectifier cathode being connected to a negative potential point of the source, a path including at least two resistive portions connected between the rectifier anode and the said negative point, a direct current connection between the amplifier grid and a point intermediate said portions, at least two resistors connected across said source between said positive and negative points, a connection from the amplifier cathode to a point intermediate said two resistors, the potential of the second intermediate point being substantially more positive than that of the first intermediate point and the said negative potential point to which the rectifier cathode is connected, and a connection from the amplifier anode to said positive potential point of said source.

2,046,145
KETONE CONDENSATION PRODUCTS
Herrick R. Arnold, Elmhurst, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application June 30, 1934, Serial No. 733,242
18 Claims. (Cl. 260—134)

1. A process for the production of ketones of a higher number of carbon atoms than the alcohols from which they are derived, which comprises passing a vapor of an alcohol selected from the group consisting of secondary methyl carbinols and secondary cyclic alcohols over a dehydrogenation catalyst capable of simultaneously hydrogenating olefin bonds at a temperature between 200 and 500° C., and at a rate of flow that will give a time of contact between the alcohol and catalyst of between 6 and 50 seconds.

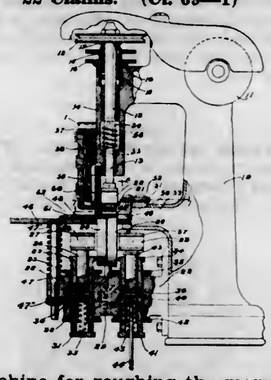
2,046,146
BAG
Charles V. Brady, Webster Groves, Mo., assignor to Bemis Bro. Bag Co., St. Louis, Mo., a corporation of Missouri
Application April 22, 1935, Serial No. 17,585
6 Claims. (Cl. 150—1)



1. A bag of the class described comprising an inner envelope and an outer envelope assembled together, said outer envelope being a material treated so as to be relatively waterproof, said inner envelope being porous to air, said inner envelope being free of attachment to the outer envelope over a substantial area thereof, the interfacial region between the juxtaposed surfaces of said outer and inner envelopes being provided with a plurality of passages whereby air can escape to the mouth of the bag.

CARNEGIE LIBRARY OF ATLANTA

2,046,147
SOLE ROUGHING MACHINE
William C. Card, Jr., Winthrop, Mass., assignor to Compo Shoe Machinery Corporation, New York, N. Y., a corporation of Delaware
Application June 29, 1933, Serial No. 678,161
22 Claims. (Cl. 69—1)

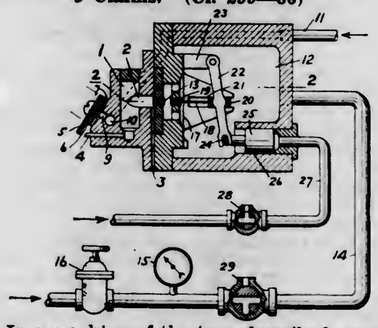


1. A machine for roughing the marginal portion of soles, comprising a vertical rotatable needle head overlying such marginal portion only, power means for driving said head at operating speed, a support for holding such sole against said head, and mechanism for steadily feeding said marginal portion around beneath said head at a speed proportionate to said operating speed.

2,046,148
PROCESS FOR MANUFACTURING BERYLLIUM ALLOYS
Harry C. Claflin, Marysville, and James B. Arnold, St. Clair, Mich., assignors to The Beryllium Corporation, New York, N. Y., a corporation of Delaware
No Drawing. Application June 26, 1934, Serial No. 732,435
16 Claims. (Cl. 204—19)

1. The process of forming alloys of beryllium characterized by the electrodeposition of beryllium on to an unmolten cathode of the second metal at a temperature below the melting point of that metal and above the melting point of the alloy eutectic.

2,046,149
SPRAYING MACHINE
Harry C. Cole, Philadelphia, Pa.
Application January 16, 1930, Serial No. 421,112
8 Claims. (Cl. 299—86)

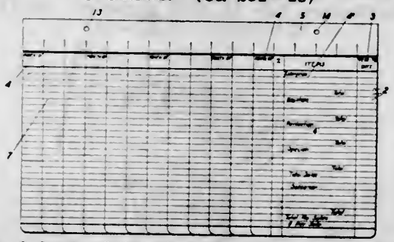


8. In a machine of the type described spraying devices including vented reservoirs, permanently open orifices adapted to discharge into the reservoirs, and means for discharging liquid under controlled pressure through the orifices which include closed pressure chambers, and means for supplying liquid under pressure to the chamber.

2,046,150
HYDROXY CARBOXYLIC ACID ESTERS
Henry L. Cox and Thomas F. Carruthers, South Charleston, W. Va., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Application April 11, 1934, Serial No. 720,074
16 Claims. (Cl. 260—106)

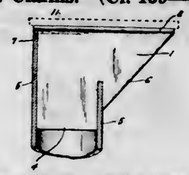
1. As chemical compounds, esters of hydroxy carboxylic acids, in which the hydrogen of each carboxyl group is replaced by an alkoxy alcohol radical, and an aliphatic monocarboxylic acid radical is substituted for each hydroxyl group.

2,046,151
BOOK AND BINDING STRIP THEREFOR
Herbert Carl Davis and Ignatius Albert Grabmeyer, Detroit, and Alfred G. Van Loozen, Dearborn, Mich., assignors to The McBee Company, Athens, Ohio, a corporation of Ohio
Application July 28, 1933, Serial No. 682,568
3 Claims. (Cl. 281—15)



1. A book of the character described comprising a plurality of duplicate indicia bearing sheets bound in shingled form both right and left from the center with the marginal edge of each successive sheet exposed for observation, binding means for said sheets, the said binding means being such as to permit the inspection of any individual sheet without disarrangement of the adjacent sheets.

2,046,152
STRUCTURAL COLUMN AND BRACKET CAP THEREFOR
George H. Dean, Norwood, R. I.
Application November 23, 1931, Serial No. 576,704
2 Claims. (Cl. 189—42)



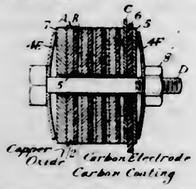
1. A tubular column and a bracket cap therefor having a flange portion and a depending web portion; the said column being recessed on its upper edge to receive the said flange and having a slot in its wall to receive the said web; and the said web having a slot in which a portion of the column wall extends and having a tongue extending entirely across the inner space of the column

from wall to wall and a bracket portion depending below the slot in the column and engaging the outside of the column wall in alignment with the said tongue.

2,046,153
ELECTRICAL RECTIFIER

Philip H. Dowling, Forest Hills, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania

Application February 14, 1935, Serial No. 6,527
10 Claims. (Cl. 175—366)

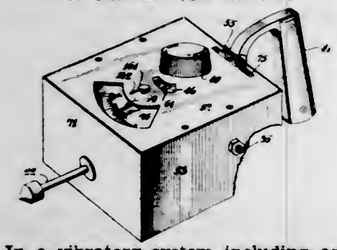


1. A rectifier comprising an asymmetric unit, a carbon coating in contact with said unit, and a carbon electrode in contact with said coating.

2,046,154
VIBRATION MEASURING AND INDICATING DEVICE

Murry N. Fairbank, Suffolk County, N. Y.

Application July 21, 1934, Serial No. 736,435
17 Claims. (Cl. 73—51)

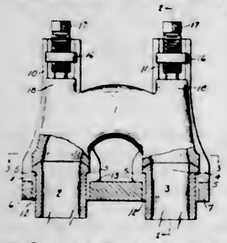


15. In a vibratory system including an oscillatory member, means for indicating the amplitude of motion of said oscillating member, said means including a damped non-vibratory indicating needle intermittently connected by impact with said oscillatory member for maintaining a substantially constant position and consequent reading of the maximum movement of said oscillatory member within a given interval and range of movements.

2,046,155
RETURN BEND

Fred C. Fantz, Webster Groves, Mo.

Application February 15, 1933, Serial No. 656,797
13 Claims. (Cl. 285—20)

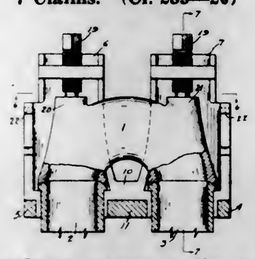


1. In a refinery apparatus, a return bend adapted to connect the ends of a pair of tubes, a sectional housing comprising annular portions adapted to encircle the ends of the pair of tubes and to be locked thereto, a pair of upwardly extending side walls on said annular members, a pair of side walls having arcuate portions adapted to be inserted into said annular members intermediate the tubes and the annular members, inter-engaging means on said side walls to lock them together, and means mounted in said side walls to contact said return bend and form a leak-proof joint.

2,046,156
RETURN BEND FOR OIL STILLS

Fred C. Fantz, Webster Groves, Mo.

Application February 24, 1933, Serial No. 658,356
7 Claims. (Cl. 285—20)

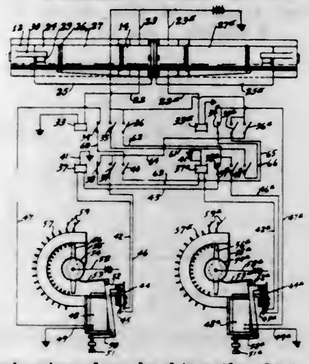


1. In a refinery apparatus, the combination, with a conventional return bend adapted to connect a pair of still tubes, a compound housing comprising a pair of sections, one of which has annular portions adapted to encircle the ends of a pair of tubes, the other half having upwardly extending side walls corresponding to the side walls on the first mentioned half and having downwardly depending arcuate portions adapted to be inserted into said annular sections intermediate the tube and the annular member, detachable means mounted in said housing to draw the face of the bend and the ends of the tubes tightly together, means to lock the two halves of the housing securely together, and means to prevent the disengagement of said locking means.

2,046,157
TRACK INSTRUMENT

Leon M. Gibbs, Birmingham, Ala., assignor to Teleswitch Corporation, a corporation of Alabama

Application June 12, 1930, Serial No. 460,757
8 Claims. (Cl. 246—250)



1. Mechanism for checking the fact and direction of movement of an object past a point

along its path, comprising a plurality of instrumentalities positioned to be successively and simultaneously influenced by the passage of the object, a pair of work circuits selectively responsive to said instrumentalities according to the direction of movement of the object, and means to prevent the response of either one of said work circuits until the object has reached a position where upon reversal it will effect a response of the other work circuit.

2,046,158
METHOD OF PREPARING COFFEE

Herbert C. Gore, Scarsdale, Quick Landis, New York, and Charles N. Frey, Scarsdale, N. Y., assignors to Standard Brands Incorporated, New York, N. Y., a corporation of Delaware

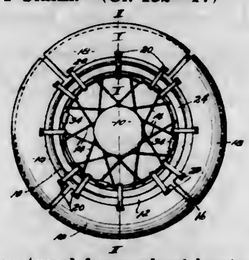
No Drawing. Application June 24, 1932,
Serial No. 619,124
6 Claims. (Cl. 99—152)

2. A method of producing a stabilized coffee which consists in roasting the coffee beans and then promptly surrounding the hot coffee beans with an inert gas so that the hot coffee beans cannot take up oxygen by cooling in the presence of oxygen, and then grinding the coffee beans and allowing the coffee to slowly cool, said grinding and slow cooling being carried out in an inert atmosphere and with the substantial exclusion of oxygen, so that the coffee can slowly take up the inert gas before the ground coffee has cooled, and the ground coffee subsequently retains said inert gas.

2,046,159
AUXILIARY TREAD FOR PNEUMATIC TIRES

Louis Gottlieb, Kansas City, Mo.

Application October 23, 1933, Serial No. 694,817
1 Claim. (Cl. 152—17)



An auxiliary tread for a wheel having a pneumatic tire, comprising a plurality of longitudinally and transversely arcuate segmental tread members adapted to be positioned longitudinally on said tire in spaced-apart relation and with opposite edges thereof extending inwardly at opposite sides of the wheel; each of said opposite edge portions having a plurality of openings formed therethrough; a rigid ring of uniform cross section at each side of the wheel and spaced-apart inwardly from the adjacent edges of said tread members; an elastic strap member passing through each of said openings and about said ring for free longitudinal movement therealong; each of said strap members having an integral button at one end thereof and a slit formed through the other end portion thereof and adapted to receive said button when the strap is in position to interconnect said tread member and ring, whereby said button is secured in buttoned position between said tire and tread member.

2,046,160
HYDROGENATED RUBBER AND A PROCESS FOR PRODUCING SAME

George De Witt Graves, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

No Drawing. Application June 2, 1933,
Serial No. 674,044
9 Claims. (Cl. 260—1)

9. In the process of catalytically hydrogenating at an elevated temperature and pressure a polymeric rubber hydrocarbon in solution in a rubber solvent, the improvement characterized in that the rubber solvent is decahydronaphthalene.

2,046,161
PEN

Pietro Gulizia, Chicago, Ill.

Application June 13, 1935, Serial No. 26,339
4 Claims. (Cl. 120—47)

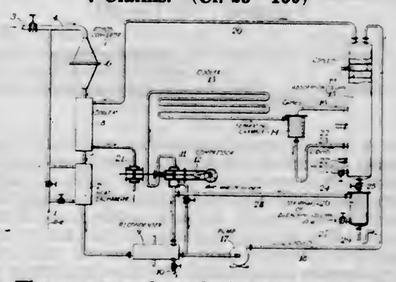


1. In a fountain pen of the character described, the combination of a barrel, a piston therein fixed against rotation but moving longitudinally, a spiral shaft passing through said piston, a plug in each end of said barrel, and means provided on the interior end of each of said plugs cooperating with means provided on said piston for positively limiting movement of said piston at the extreme ends of its stroke.

2,046,162
PROCESS FOR PRODUCING CONCENTRATED NITRIC ACID

Stanley L. Handforth and John Norman Tilley, Woodbury, N. J., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

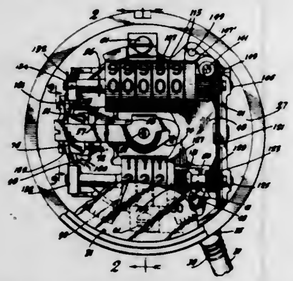
Application February 20, 1934, Serial No. 712,107
7 Claims. (Cl. 23—160)



2. The process of producing concentrated nitric acid which comprises subjecting gas con-

taining nitrogen peroxide and a substantial proportion of other gases to a pressure in excess of 20 atmospheres, cooling the said gases to a temperature sufficiently low to effect the liquefication of a substantial proportion of the nitrogen peroxide, separating the said liquid nitrogen peroxide from the uncondensed gases, bringing said liquid nitrogen peroxide at elevated temperatures into reactive relation with a descending flow of aqueous nitric acid and a flow, countercurrent to that of said nitric acid, of an oxygen-containing gas, whereby a high concentration of NO_2 and O_2 at the point of entry of said NO_2 is maintained, and concentrated nitric acid is produced.

2,046,163
SPEEDOMETER
Ralph O. Heigeby, Flint, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application January 2, 1932, Serial No. 584,369
2 Claims. (Cl. 264—13)



1. In a magnetic measuring device, a main frame having an axial passage for a rotor shaft and a shoulder to support a magnet, a rotor shaft, a magnet supported on said shoulder, said main frame having an axial wall with an aperture therethrough, a second frame having a flat base and an upwardly and inwardly directed part to overlie the axis of the rotor shaft, fastening means to clamp said frame in assembled relation and to hold the magnet on the supporting shoulder, and a calibrating member hinged to said axial wall and extending through said aperture in the axial wall to a position adjacent the poles of the magnet.

2,046,164
HANDLE GRIP
Peter Herkner, Shaker Heights, Ohio
Application September 17, 1934, Serial No. 744,384
5 Claims. (Cl. 273—81)



1. A handle grip comprising an inner layer formed of rubber composition having projections preformed thereon and an outer layer of leather or the like having openings correspondingly positioned with respect to said projections formed therein and the projections of the inner layer extending through said openings in said outer layer thereby interlocking the layers together and providing closely associated gripping portions of leather or the like and rubber compositions.

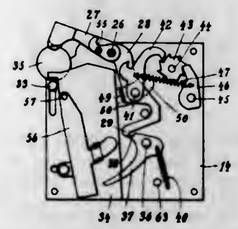
2,046,165
CELLULOSE DERIVATIVE COMPOSITIONS
James K. Hunt and George H. Latham, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 15, 1933, Serial No. 680,656
5 Claims. (Cl. 134—79)

1. A composition comprising a cellulose derivative, a fatty substance of the group consisting of non-drying and semi-drying bodies having a tendency to become rancid and having, in the raw state, a normal iodine number below 135, and, as a rancidity inhibitor therefor, a phenol-dipentene condensation product in a small percent based on the fatty substance.

2,046,166
VANADIUM CATALYST
Leon E. Jenks, Jackson Heights, N. Y., assignor to General Chemical Company, New York, N. Y., a corporation of New York
No Drawing. Application June 30, 1933, Serial No. 678,476
5 Claims. (Cl. 23—234)

1. The method of preparing a catalyst from vanadium ore containing less than about 10% vanadium, expressed as V_2O_5, in relatively non-catalytically active form which comprises treating the ore with a substance of the group comprising mineral acid and alkali to convert at least some of the vanadium from the state in which it initially exists in the material to a catalytically active form, adding alkali metal compound to the resulting mass, and heating the mass.

2,046,167
SAVINGS CALENDAR
Hans Jørgen Jepsen, Hellerup by Copenhagen, and Kai Christian Nielsen, Copenhagen, Denmark
Application July 6, 1933, Serial No. 679,180
In Denmark October 20, 1932
6 Claims. (Cl. 194—94)

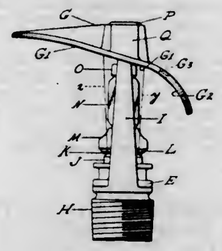


1. In a savings calendar, means forming a coin insertion aperture, a movable member situated within said aperture and adapted to be pushed sideways by an inserted coin, a plurality of calendar members, a movable shaft connected with said calendar members and actuated by the first-mentioned movable member, an arm provided on said shaft, and a disc having incisions corresponding to the months the number of days of which is less than thirty-one, said arm resting against the periphery of said disc, the normal position of said shaft varying according to the number of days in the month, whereby the motion given to said shaft by the first-mentioned movable member will be of different length in the various months depending on the number of days in the same.

2,046,168
MACHINE ELEMENT
Augustus B. Kinzel, Douglaston, and Walter Crafts, Niagara Falls, N. Y., assignors, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
No Drawing. Original application October 4, 1933, Serial No. 692,228. Divided and this application July 3, 1935, Serial No. 29,762
6 Claims. (Cl. 74—434)

1. A machine element designed to withstand shock at temperatures between about −20° C. and −80° C. and having at said temperatures an Izod impact strength of at least about 10 foot pounds; said element being composed of an alloy steel containing not over 0.25% carbon, and 0.05% to 2% zirconium, remainder chiefly iron.

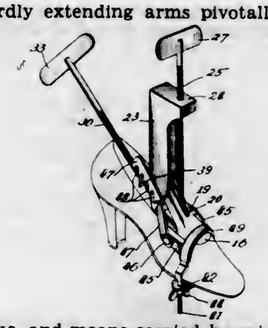
2,046,169
SPRINKLER
Ira W. Knight, Providence, R. I., assignor to General Fire Extinguisher Company, Providence, R. I., a corporation of Delaware
Application June 2, 1934, Serial No. 728,712
3 Claims. (Cl. 169—37)



2. A sprinkler having a base with a nozzle therethrough arranged for vertical discharge of a fire extinguishing medium; means extending upward from said base to form a support; and a deflector mounted on said support having a deflecting surface overlying said nozzle at an angle to the direction of flow therethrough; said surface comprising a substantially flat portion extending to one side of said support and at an obtuse angle to said direction of flow, and extending on the other side of said support at an acute angle to the said direction, and terminating on said other side in a portion which curves toward the base of the sprinkler; the said supporting means being constructed and arranged to offer substantially no obstruction to the flow along said deflector.

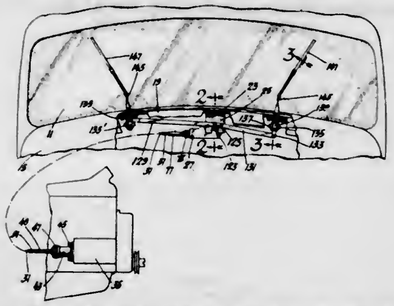
2,046,170
SHOE LENGTHENING DEVICE
Dominick Korytar, Chicago, Ill.
Application November 24, 1934, Serial No. 754,604
10 Claims. (Cl. 12—128.6)

1. A device of the character described comprising a pair of pivotally secured members adapted to conform to the interior configuration of the vamp portion of a shoe, a toe section slidably mounted within the forward portion of said members, an upright associated with one of said members, a nut carried by said upright, an adjusting screw threaded in said nut, the forward end of said screw being adapted for engagement with the toe section for forcing the latter forwardly, a yoke adapted for disposition around the outside of the shoe at the vamp portion thereof, rearwardly extending arms pivotally secured to



said yoke, and means carried by said upright for engagement with said arms.

2,046,171
CLUTCH OPERATOR FOR WINDSHIELD WIPERS
Carleton J. Lauer, Flint, Mich., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application August 4, 1933, Serial No. 683,591
5 Claims. (Cl. 192—82)

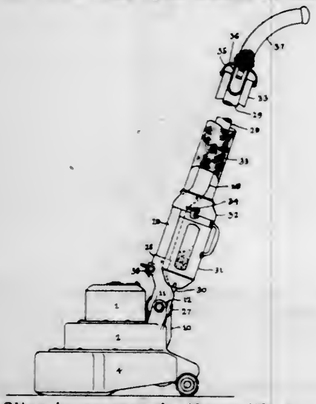


1. In windshield cleaner mechanism, a housing, a rotary shaft therein, an axially movable cable extending into said housing and having a slidable but non-rotatable connection relative to said shaft, means in said housing movable in one direction to engage and axially move said cable, additional means in said housing to move said movable means from engagement with said cable when said cable is moved in the opposite direction whereby to facilitate assembly of the cable.

2,046,172
VACUUM CLEANER
Ward Leathers, Haworth, N. J., assignor, by mesne assignments, to Quadrex Corporation, a corporation of Delaware
Application August 26, 1930, Serial No. 477,832
Renewed May 15, 1935
5 Claims. (Cl. 183—36)

3. In a vacuum cleaner, the combination with a motor suction floor-unit of a tubular handle pivoted to said floor unit and arranged to receive up through the handle the dirt laden air from said unit; a tubular filter through which the tubular handle extends, the tubular handle having a port for delivering the dirt laden air into the upper end of said filter; a closure for the bore of said tubular handle above said port; a hand-grip at the upper end of said handle beyond

the filter; a dirt receptacle detachably supported under the filter with open mouth at the bottom



of the filter in communication with an opening through said bottom.

2,046,173
BOTTLE CAP REMOVER
John A. Lenhoff, Newark, Del.
Application December 3, 1934, Serial No. 755,813
2 Claims. (Cl. 215—46)

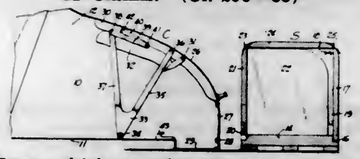


1. The combination with a crimped metal bottle cap, of a cap remover, said remover having a bendable tongue provided with a portion extending underneath the cap and being secured thereto, a base integral with said tongue and having laterally extending flanges, one end of each flange being provided with a fulcrum point, said tongue having an integral extension between the bottom edge of the cap and the base of sufficient length to bring the fulcrum points above the top of the cap and inwardly from the edge thereof when the tongue is bent, said base constituting a lever for rolling up the edge of the cap to free it.

2,046,174
CELLULOSE DERIVATIVE SOLUTIONS AND PROCESS OF MAKING THE SAME
Alfred Stoyell Levesley, Saltcoats, and James Craik, Stevenston, Scotland, assignors to Imperial Chemical Industries Limited, a corporation of Great Britain
No Drawing. Application September 7, 1933, Serial No. 688,432. In Great Britain September 29, 1932
20 Claims. (Cl. 260—152)

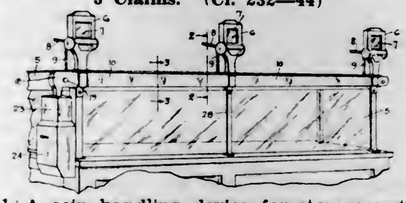
1. Process for increasing the solubility of cellulose ethers having less than one substituent group per glucose unit which are insoluble in water and incapable of complete solution in dilute aqueous caustic soda at ordinary temperatures but soluble in aqueous caustic soda by cooling below 0° C. until crystals of ice appear and subsequently allowing the mixture to warm to atmospheric temperature, which comprises subjecting a mixture of the cellulose ether and aqueous caustic soda to the action of a colloid mill, the mixture being maintained at a temperature of about 10 to about 40° C.

2,046,175
VEHICLE
Peter Lim, Los Angeles, Calif.
Application June 17, 1932, Serial No. 617,890
Renewed May 16, 1935
11 Claims. (Cl. 296—66)



1. In a vehicle, a vehicle body having a deck storage space; a cover for the storage space; means for mounting the cover on the body for movement to occupy one position closing the storage space and a second position wherein the cover is disposed vertically in the forward portion of the storage space; means for mounting the cover for unitary movement to occupy a third position wherein the cover is disposed vertically at the rear portion of the storage space; and means carried by the cover, providing a seat when the cover occupies its third mentioned position.

2,046,176
COIN RECEPTACLE AND CONVEYER
Frank A. Marchioni, Rutherford, N. J.
Application July 14, 1934, Serial No. 735,125
3 Claims. (Cl. 232—44)

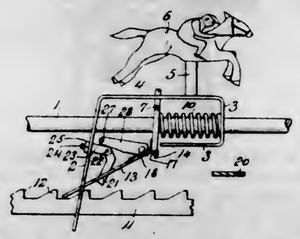


1. A coin handling device for store counters or the like including a casing having opposite sight openings therein, spaced panes of glass in the casing, the space between the panes constituting a coin receptacle where the coins are supported in display position, a coin dropper for supporting the coins when in one position and for dropping them through the device into a receptacle when in another position, means for operating said dropper and means extending from one of the panes into the dropper and arranged to be moved by manipulation thereof to spread the panes apart to allow wedged coins to drop through the device.

2,046,177
REFINING OF OILS
Edward John Martin, East Chicago, Ind., assignor to Sinclair Refining Company, New York, N. Y., a corporation of Maine
No Drawing. Application February 21, 1934, Serial No. 712,412
6 Claims. (Cl. 196—17)

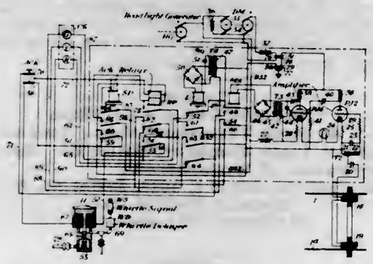
6. In the dewaxing of hydrocarbon oils, the improvement which comprises diluting the oil with a diluent comprising an ethyl ester higher boiling than propionic ethyl ester and having a boiling point less than 315° F.

2,046,178
RACING AMUSEMENT DEVICE
Clarence W. Musser, Kansas City, Mo.
Application September 9, 1935, Serial No. 39,670
9 Claims. (Cl. 46—127)



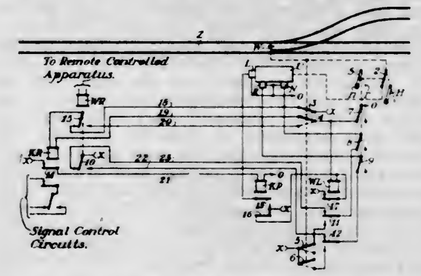
1. In a device of the kind described having a carrier reciprocative on a bar, a locking member engaging and movable with said carrier and slidable on said bar and movable thereon to and from locking engagement therewith, a reciprocative ratchet member, a pawl engaging said locking member and adapted to move the latter and said carrier forwardly on said bar and engageable with and movable forwardly by said ratchet member, and means for disengaging said pawl from said ratchet member and for retracting said carrier rearwardly, of a releasing member movable in one direction by said retracting means when the latter is moved to retract said carrier, and means for forcing the locking member from the locking position when said releasing member is moved in said direction.

2,046,179
RAILWAY TRAFFIC CONTROLLING APPARATUS
Frank H. Nicholson, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application May 27, 1933, Serial No. 673,209
13 Claims. (Cl. 246—63)



1. Railway traffic controlling apparatus comprising a section of railway track, a source of alternating current for said section, a code transmitter normally inactive, means governed by clear traffic conditions to supply current continuously from said source to the traffic rails of said section in series, means governed by approach traffic conditions to render said code transmitter active and to supply current from the source through the code transmitter to the rails of the section in series, a first and a second train carried relay, means for energizing said first relay continuously when alternating current flows continuously through the rails of the section occupied by the train and to operate said first relay at code frequency when the alternating current is coded, means for energizing said second relay continuously when the first relay is operated at code frequency; and a three-position cab signal controlled by said relays and arranged to display a clear indication when the first relay is energized continuously, to display an approach indication when said second relay is energized continuously and to display a stop indication when both relays are continuously deenergized.

2,046,180
RAILWAY TRACK SWITCH CONTROLLING APPARATUS
George R. Pflasterer, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a corporation of Pennsylvania
Application February 19, 1935, Serial No. 7,225
20 Claims. (Cl. 246—3)

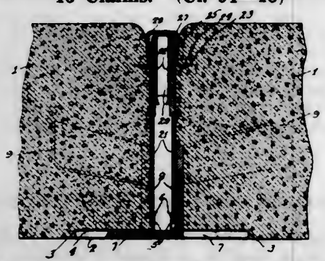


1. In combination, a railway traffic governing device, means controlled from a point remote from said device for at times operating the device, means local to said device for at other times operating the device, selecting apparatus having a normal position in which said device is conditioned for operation by said remote controlled means and another position in which said device is conditioned for operation by said local means, a normally energized lock relay effective when deenergized to prevent control of said device by said remote controlled means, means for causing said lock relay to become deenergized when said selecting apparatus is moved to such other position, an indicating relay energized only when said selecting apparatus is restored to its normal position provided said device and said remote controlled means is each in a particular condition, and means independent of traffic conditions adjacent said switch for maintaining said lock relay in its deenergized condition when said selecting apparatus is restored to its normal position effective until such time as said indicating relay becomes energized.

2,046,181
INSECTICIDE AND FUNGICIDE
Theron Palmer Remy, Los Angeles, Calif., assignor to The Texas Company, New York, N. Y., a corporation of Delaware
No Drawing. Application November 19, 1932, Serial No. 643,541
9 Claims. (Cl. 167—24)

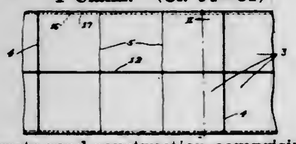
1. An insecticide and fungicide comprising a solution of the oil soluble principles of common mullein in a petroleum hydrocarbon oil.

2,046,182
EXPANSION JOINT AND FILLER BRIDGE
Robert R. Robertson, Chicago, Ill., assignor to The Translode Joint Company, Chicago, Ill., a corporation of Illinois
Application July 7, 1934, Serial No. 734,096
13 Claims. (Cl. 94—18)



1. A concrete construction joint former for embedding in concrete and including in combination a base section, an anchoring unit shiftably mounted therein, a core unit having open ends and removably supported on said anchoring unit and removable from the concrete to leave an expansion void above the base section, means carried by the anchoring unit for closing one end of the core unit and the expansion void resulting from the removal of the core unit, and bridge members releasably carried by the core unit and retainable in position partially embedded in concrete when the core unit is removed after the pouring of concrete, said bridge members adapted to be deflected into interlocking engagement with one another to form an arched bridge for supporting a filler of plastic material to close the upper portion of the expansion joint void resulting from the removal of the core unit.

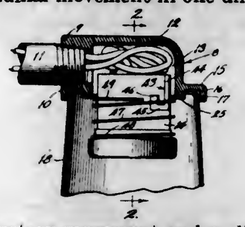
2,046,183
ROAD SLAB SIDE EDGE REENFORCER
Robert R. Robertson, Chicago, Ill., assignor to The Translode Joint Company, Chicago, Ill., a corporation of Illinois
Application December 3, 1934, Serial No. 755,696
1 Claim. (Cl. 94—31)



A concrete road construction comprising a concrete body, a load transmission center joint forming unit imbedded therein including a load transmission base, a top sealer, staggered uprights for connecting the load transmission base and said top sealer, reenforcing means imbedded in the upper and lower outer edges of the concrete road to reenforce and protect the outer edges against breakage, and uprights for supporting the upper reenforcing means on the lower reenforcing means.

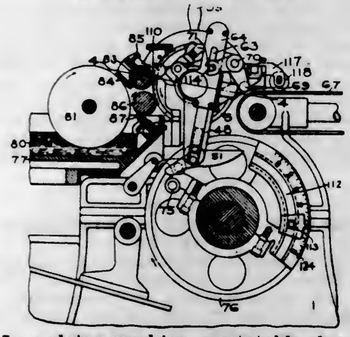
2,046,184
FIXTURE SUPPORT
Dirk G. Saaf, Chicago, Ill., assignor to Goodrich Electric Company, Chicago, Ill., a corporation of Illinois
Application July 23, 1932, Serial No. 624,207
2 Claims. (Cl. 240—90)

1. A device of the character described comprising, in combination, a support having an opening therein, means on said support forming a plurality of projections extending into said opening, a substantially cylindrical lamp socket for screw base lamps having a plurality of J-shaped slots in its side surface opening to the rear end and arranged to receive said projections so that the socket may be secured to the support by a longitudinal movement in one direction fol-



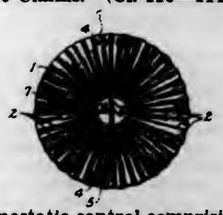
lowed by a rotary movement and a slight longitudinal movement in the opposite direction, and a coiled spring surrounding said socket and secured at one end thereto and arranged to engage said support to hold the socket with said projections in the locking portions of said slots so as to prevent rotary movement of the socket when a screw base lamp is inserted or removed.

2,046,185
GLUING MACHINE
Walter A. Saatman, Roslyn, Pa.
Application July 31, 1931, Serial No. 554,315
14 Claims. (Cl. 91—50)



1. In a gluing machine, a rotatable glue applying roll, having a normally stationary paster foot, intermittently revoluble with said roll, and means to cause said paster foot to revolve in timed relation with the feed of a wrap.

2,046,186
THERMOSTATIC CONTROL
Waldo A. Saul, Lexington, Mass., assignor to General Plate Company, Attleboro, Mass., a corporation of Massachusetts
Application November 5, 1932, Serial No. 641,456
Renewed April 25, 1935
10 Claims. (Cl. 116—114)



1. A thermostatic control comprising a radially corrugated, composite thermostatic metal disc

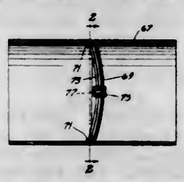
adapted to snap from one position to another upon temperature variation, means secured to and conforming to the shape of two of the corrugations which make an angle of great obtusity, and means controlled as to position by said first-named means.

2,046,187
THERMOSTAT
Waldo A. Saul, Lexington, Mass., assignor to General Plate Company, Attleboro, Mass., a corporation of Massachusetts
Application August 22, 1934, Serial No. 740,878
13 Claims. (Cl. 297—15)



1. A thermostat comprising means the curvature of which changes in response to temperature variations, and second means articulated to said first means, said second means containing three spaced points determining a non-normal plane to the first means, said three points always maintaining a non-linear relationship.

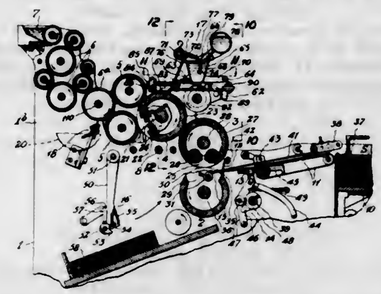
2,046,188
THERMOSTATICALLY CONTROLLED DEVICE
John A. Spencer, Newtonville, Mass., assignor to General Plate Company, Attleboro, Mass., a corporation of Massachusetts
Original application August 22, 1934, Serial No. 740,878. Divided and this application April 29, 1935, Serial No. 18,810
6 Claims. (Cl. 236—34)



1. A thermostatic valve comprising a cylinder, a dished, composite thermostatic metal disc, mounting means for said disc comprising a wire articulated to the disc at substantially opposite points on the periphery thereof, and at a point near the center but displaced from the plane normal to said disc passing through said points on the periphery, said wire being non-rotatably secured to said cylinder at the ends thereof, whereby said disc in one position substantially closes said cylinder, and upon reversal of curvature of said disc, said disc is forced to rotate about said wire to a position in which said cylinder is open for passage therethrough.

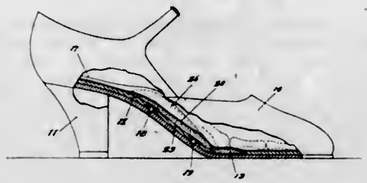
2,046,189
LITHOGRAPHIC OFFSET PRESS
Joseph Schultz, Cleveland, Ohio
Application May 31, 1932, Serial No. 614,408
16 Claims. (Cl. 101—147)

1. A mechanism, including a reservoir of liquid, for dampening a plate on a lithographic press, said mechanism being disposed on a support pivotally mounted on the frame of the press, said pivotally mounted support permitting the shifting of the dampening mechanism from cooperative engagement with the plate to a position spaced a substantial distance from the plate, and



including means adapted to maintain said reservoir level during said shifting.

2,046,190
WEIGHT DISTRIBUTING SHOE SOLE
Benjamin J. Silver, New York, N. Y.
Application March 6, 1933, Serial No. 659,754
22 Claims. (Cl. 36—71)



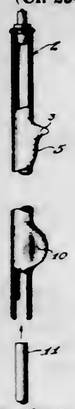
2. In the art of forming heeled shoes, the method of designing an inner sole configuration for such shoes which consists in causing a person having a foot with arches lower than the average contour to stand in bare or stocking feet on moldable material with body weight normally distributed thereon without heel elevation, fabricating a basic shoe sole with its foot engaging upper surface fitting the contour so formed in said moldable material and providing in said sole a cushioning area at the place where the heads of the metatarsal bones are supported, forming an attachment with its underside conforming to the contour of the basic sole posterior to the cushioning area fabricating the upper surface of the attachment to conform to the configuration of the engaging part of the sole of the wearer while walking in the completed heeled shoe, and completing the shoe to form a commercial article.

11. A shoe including a sole having a cushioned area at the place where the heads of the metatarsal bones are located, said cushioned area being raised above the adjacent portions of the sole surface and convexly shaped between the heads of the first and fifth metatarsal bones considered transversely of the length of the shoe, said sole provided posteriorly of the cushioned area with an element of a fastening means, a preformed curved surface insert replaceably engaging and fitted to the part of the sole covered thereby, partly overlapping said cushioned area and projecting rearwardly therefrom, said insert provided with a coacting fastening element engaging the first named element, said elements coacting to locate the insert in prefixed position in the shoe, and an easily removable stocking sole covering the cushioned area and said fastening element.

2,046,191
GRIP FOR GOLF CLUBS AND METHOD OF APPLYING THE SAME

Arthur R. Smith, Detroit, Mich., assignor of one-third to A. Gordon Armstrong and one-third to Malcolm D. MacQueen, both of Detroit, Mich.

Application January 8, 1932, Serial No. 585,425
8 Claims. (Cl. 29—88.2)



1. The steps in the method of assembling grips made of expansible material on to the ends of playing club shafts which consist in forming a grip with a substantially closed end and an open end, fitting the open end around the end of the shaft, inserting a valve stem into said closed end, gradually expanding the internal walls of the grip immediately ahead of and by means other than the shaft and introduced through the valve to permit relative movement between the grip and the shaft, removing said stem and allowing said closed end to contract and substantially conceal the end of the shaft.

2,046,192
SODIUM SILICATE DETERGENT

Foster Dee Snell, Brooklyn, N. Y., and Henry V. Moss, St. Louis, Mo., assignors to Swann Research, Inc., a corporation of Alabama

No Drawing. Application April 10, 1931, Serial No. 529,284
8 Claims. (Cl. 87—5)

1. A process of producing a detergent which consists in providing a finely ground sodium silicate, adding finely ground caustic soda thereto until the ratio of alkali expressed as Na_2O, to silica expressed as SiO_2 is greater than 1 to 1 and not more than 2 to 1, mixing and stirring said finely ground ingredients to bring about a reaction therebetween and form a mass of granular particles, protectively coating said granular particles by spraying with approximately 0.1% of a saponifiable oil, and cooling with disintegration to form a dry free flowing product.

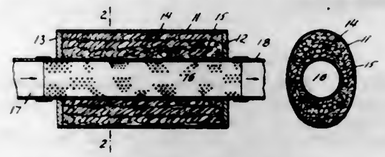
3. A granular detergent containing more than 50% of the reaction products of caustic soda and sodium silicate in which the ratio of alkali expressed as Na_2O to silica expressed as SiO_2 is approximately 5 to 3.

2,046,193
MUFFLER

Walter E. Spicer, Madison, Wis., assignor, by mesne assignments, to C. F. Burgess Laboratories, Inc., Madison, Wis., a corporation of Delaware

Application January 3, 1931, Serial No. 506,361
4 Claims. (Cl. 181—42)

1. A muffler comprising a substantially imperforate, oval outer casing having an opening in each end, a filling of sound-absorbing material in said casing, a cylindrical foraminous duct through said filling connecting said openings, the distance between said duct and said casing being at least twice as great along the major

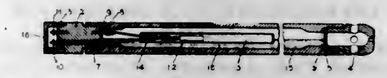


transverse axis of said casing as it is along the minor transverse axis of said casing, whereby the maximum thickness of said absorbing material in any transverse plane along said duct is at least twice the minimum thickness in the same plane.

2,046,194
BLASTING CHARGE

James Taylor, Saltcoats, Scotland, assignor to Imperial Chemical Industries Limited, a corporation of Great Britain

Application February 19, 1934, Serial No. 712,051
In Great Britain December 15, 1933
10 Claims. (Cl. 102—7)

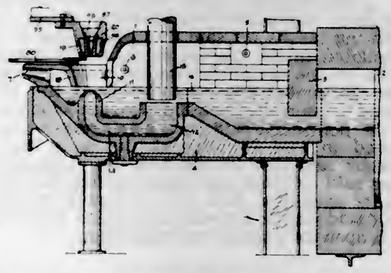


1. A blasting device comprising a pressure-rupturable vessel and a charge of an aqueous solution of an ammonium salt capable of undergoing exothermic decomposition, said charge being confined within said pressure-rupturable vessel, and means for initiating the decomposition of said ammonium salt.

2,046,195
GLASS FEEDING APPARATUS

Albert F. Tremblay, Winchester, Ind.

Application April 6, 1932, Serial No. 603,475
6 Claims. (Cl. 49—55)

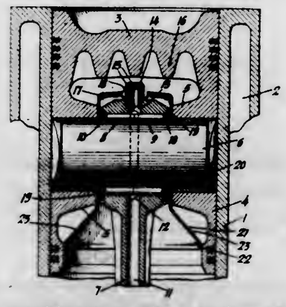


1. In a glass feeding apparatus, a furnace for heating glass, a glass feeding shelf, the bottom wall of the furnace and the shelf having a passageway extending from within the furnace to within the shelf and having upturned ends, the upturned ends located below the surface of the glass within the furnace, a plunger movable in the end of the passageway located in the furnace, and means for reciprocating the plunger to move glass in the passageway through the passageway into the glass of the shelf and thereby move to the shelf only glass located below the surface of the glass in the furnace and in the shelf.

2,046,196
PISTON

Clyde W. Truxell, Jr., Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware

Application January 19, 1935, Serial No. 2,478
4 Claims. (Cl. 123—176)

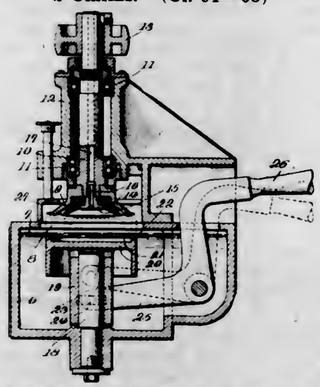


1. The combination with a hollow piston having a pair of interiorly disposed pin bosses integral therewith and a connecting rod adapted to be journaled on a pin supported by said bosses and provided with a passage for lubricant under pressure, of a cupped baffle member extending into the hollow piston between the pin bosses to receive therein the end of the connecting rod and having its rim engaging the bottom of the piston wall for cooperation with the wall of the piston to provide a cooling pocket adapted to contain a supply of lubricant, said pocket being closed to the outside of the piston by reason of the piston wall being imperforate with regard to the pocket and said pocket being open to the interior of the cupped baffle through a discharge opening in the baffle and means for supplying lubricant to the pocket for circulation therethrough including a nozzle carried by the connecting rod in communication with said passage and projected through an elongated opening in the top wall of the cupped baffle.

2,046,197
METHOD OF APPLYING A PROTECTIVE ENAMEL TO CAN ENDS

Alfred L. Kronquest, Syracuse, N. Y., assignor to Continental Can Company, Inc., New York, N. Y., a corporation of New York

Application May 12, 1932, Serial No. 610,929
2 Claims. (Cl. 91—68)

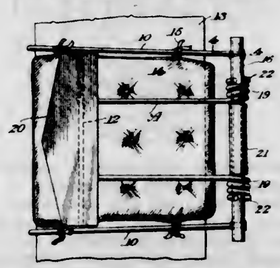


1. The method of applying a protective enamel to the inner face of a can end having a channel at the peripheral edge thereof consisting in supporting a can end at the outer face thereof and causing the inner face only of said end to contact with a bath of enamel whereby a quantity in excess of that necessary to produce the desired thickness is caused to adhere to said can end, removing the end from contact with the enamel bath and rapidly rotating the end for distributing the enamel uniformly over the surface of the end across the channel and expelling the surplus from the peripheral edge of the can end.

2,046,198
PORTABLE FOLDING SEAT

Charles Letts, Laurel, Miss.

Application November 23, 1934, Serial No. 754,512
2 Claims. (Cl. 155—133)

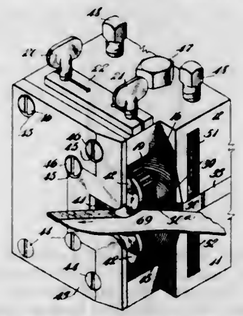


2. In a seat construction seat and back frames, a cross member rigidly secured to the seat frame at the rear edge, the back frame having side legs of which the extremities are coiled around said cross member, radial pins mounted in the cross member in close proximity to the terminal convolutions of said coils and disposed in obstructing relation with the extremities of said convolutions to abut said extremities when the back is elevated, and means carried by the cross member to maintain the terminal convolutions of the coils adjacent said pins.

2,046,199
MARGIN-COATING METHOD AND APPARATUS

Frank J. MacDonald, Brookline, Mass., assignor to Hood Rubber Company, Inc., Watertown, Mass., a corporation of Delaware

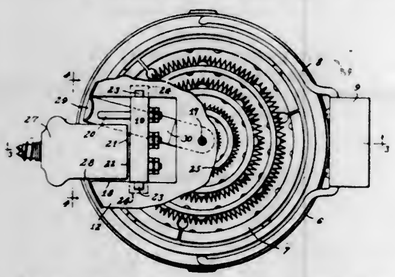
Application February 9, 1934, Serial No. 710,466
11 Claims. (Cl. 91—48)



3. Apparatus for applying a coating to a piece of sheet material, said apparatus comprising an abutment for an edge face of the piece and means for propelling the piece past the said abutment by a wiping action transverse to the

movement of the strip, said propelling means being adapted to friction the coating material onto the piece.

2,046,200
ELECTRIC APPLIANCE
Michael W. McArdle, Chicago, Ill., assignor to Chicago Flexible Shaft Company, Chicago, Ill., a corporation of Illinois
Application October 29, 1934, Serial No. 750,405
3 Claims. (Cl. 219—20)



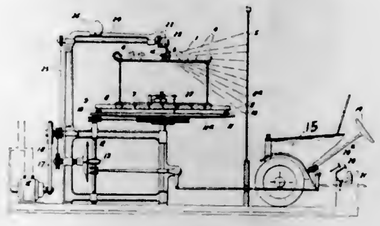
1. In an electric appliance, a casing, electric heating elements within the casing in two circuits providing for high and low heats, said circuits having three coplanar terminal posts the center post of which is common to both circuits, a two-socket plug connector adapted to be plugged onto either two adjoining terminal posts, said casing having an opening shaped to permit passage of said plug to either set of terminal posts, said opening leaving the third terminal post exposed when either set of posts is plugged, and a guard mounted and arranged for movement back and forth in the common plane of said terminal posts to close the opening in front of either such third post before the plug may be plugged onto the remaining set of posts.

2,046,201
SHIRT CONSTRUCTION
William Meisler, Union City, and Milton Wolf, Jersey City, N. J.
Application March 11, 1935, Serial No. 10,508
2 Claims. (Cl. 2—123)



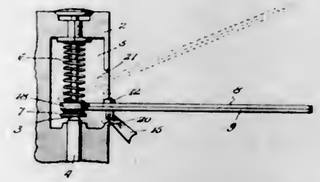
1. An outer shirt having a sleeve and a cuff portion, the latter being in continuation of the sleeve and exposed, the cuff portion being split and provided with fastening means, said cuff portion provided with elastic means within the confines of the cuff and within the plane thereof for rendering the sleeve retainable in relation to the wrist, whereby objectionable exposure of the sleeve is avoided.

2,046,202
OPTICAL PROJECTION APPARATUS
George Herbert Miles, New Barnet, Herts, England
Application October 12, 1935, Serial No. 44,786
In Great Britain November 29, 1933
15 Claims. (Cl. 35—11)



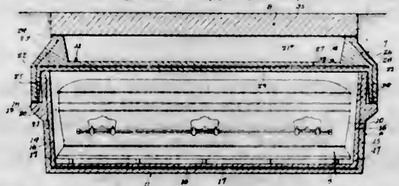
4. A method of creating in the mind of a person the impression of his own movement or travel in a vehicle over a landscape area while he himself is really stationary, which consists in seating the person in a dummy of the vehicle confronting a screen and having controls corresponding to those of a true vehicle of the kind; projecting in relief upon the screen the image of a model scene by a source of light in a position relative to said model scene corresponding approximately to the position occupied by the eye of the person in relation to the screen upon which the projected image is viewed, and rendering the image scene changeable and ever varying by movement of the model scene in relation to the light source by and according to the person's manipulation of the dummy vehicle controls as he might or would manipulate the controls of the true vehicle if moving over the same landscape area of the model scene in reality from a position corresponding to that of the light thereto, so as to secure the illusion of movement thereover in any desired plane depending upon the manner of manipulating said controls.

2,046,203
SPRING-COMPRESSING TOOL
William A. Monfort, San Antonio, Tex.
Application June 29, 1934, Serial No. 733,105
2 Claims. (Cl. 29—86.3)



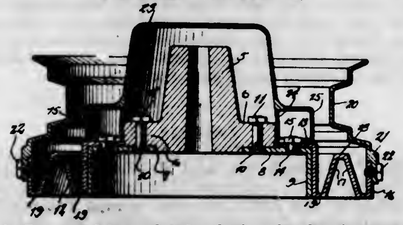
2. A tool for the purpose described comprising a pair of members having opposed jaws at one end, a shank having an intermediate non-circular portion fitting an opening of like contour in one of the members and having a circular end portion extending through the other member, means coacting with the said circular end portion of the shank to retain the shank in the members, and a fulcrum member pivotally connected with the other end of the shank.

2,046,204
BURIAL VAULT
Edwin F. Nickol, Versailles, Ohio, assignor to Edwin F. Nickol, Inc., Versailles, Ohio, a corporation of Ohio
Application September 16, 1935, Serial No. 40,835
9 Claims. (Cl. 72—7)



1. In a burial vault an open top body section having oppositely outwardly inclined side walls and oppositely outwardly inclined end walls, said walls being formed on their outer faces, below their upper ends with laterally extending ribs merging into each other, and a lid section for closing said body section, said lid section being formed with a depending upstanding endless flange having its inner face encompassing and opposing in spaced relation the outer face of the body section above said ribs, that part of the lower face of said lid section bordering the upper end of said inner face of said flange seated directly upon and throughout the top edges of the walls of said body section, and the said inner face of said flange inclining from its lower end to its its upper end throughout in a direction towards the walls of said body section.

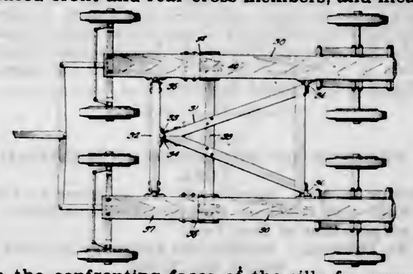
2,046,205
CUSHION WHEEL
Michael T. O'Neill, Cumberland, R. I.
Application September 5, 1934, Serial No. 742,784
2 Claims. (Cl. 301—6)



1. In a cushion wheel, a hub, a brake drum projecting from the inner end thereof, a rim having a mounting portion surrounding the brake drum, and a tire supporting portion projecting laterally thereof and surrounding the hub and being of smaller diameter than the mounting portion and a resilient cushion plate interposed between the brake drum and rim and including an annular member of substantially V-shape in cross-section and annular concentric bands respectively at the inner and outer sides of the V-shaped part connected to the brake drum and rim.

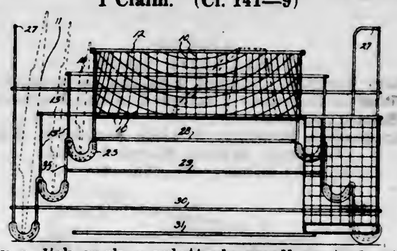
2,046,206
TRAILER
Even Ose, Thief River Falls, Minn.
Application May 21, 1934, Serial No. 726,827
3 Claims. (Cl. 280—81)

1. A trailer of the character described comprising a pair of sills arranged side by side in spaced parallel relation to each other and each having front and rear axles and wheels supported by said axles, means located between the sills for sustaining the same in their spaced side by side relation to each other, said means comprising spaced front and rear cross members, and means



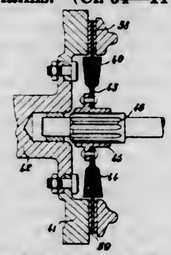
on the confronting faces of the sills for removably pivoting said members to said sills for separation therefrom to render the sills independent of each other.

2,046,207
RACK FOR WASHING MACHINES
George K. Parsons, Detroit, Mich., assignor to Unitor Corporation, Detroit, Mich., a corporation of Michigan
Application April 14, 1931, Serial No. 530,119
1 Claim. (Cl. 141—9)



In a dish rack, a relatively small central reticulated dished receptacle, a plurality of reticulated narrow annular receptacles surrounding and concentric with the first and opening in the same direction, another and larger receptacle opening in the opposite direction, and supporting means for holding the mouths of said first mentioned relatively small and surrounding annular receptacles elevated when inverted, whereby upon inversion of the rack different receptacles are available for use, and others are maintained elevated above subjacent articles.

2,046,208
RESILIENT TRANSMISSION DISK
Jean Felix Paulsen, Viroflay, and Nikita Strachovsky, Paris, France
Application December 24, 1935, Serial No. 56,126
In Great Britain December 1, 1934
3 Claims. (Cl. 64—11)



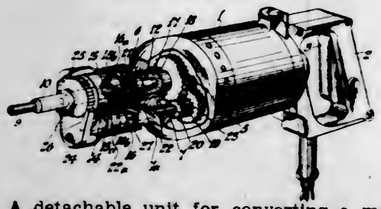
1. A resilient transmission disk comprising an annular member having a central opening and

spaced lugs extending inwardly thereof in the plane of the annular member, dished plate means having segmental openings receiving said lugs, a filling of resilient material interposed between said annular member and said dished plate means, the segmental openings in said dished plate means being of greater angular width than the spaced lugs of the annular member.

2,046,209
PROCESS OF PRODUCING SOLIDIFIED FUEL
Arthur B. Ray, Bayside, N. Y., assignor to Carbide and Carbon Chemicals Corporation, a corporation of New York
No Drawing. Application February 24, 1934, Serial No. 712,805
12 Claims. (Cl. 44—7)

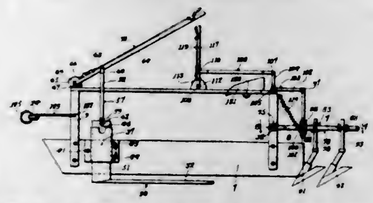
1. The process of making a solidified fuel, which comprises intimately mixing together a volatile liquid combustible miscible with a hydrolyzing agent, and a small amount of an aqueous hydrolyzing agent, and adding to the resultant mixture a small amount of an ester of an inorganic acid capable of forming upon hydrolysis and subsequent ignition a refractory oxide, thereby at least partially hydrolyzing the said ester and forming a firm, stable, solidified gel.

2,046,210
PERCUSSIVE TOOL
Harry Richards, London, England, assignor to S. Wolf & Company Limited, London, England, a British company
Application February 9, 1935, Serial No. 5,803
In Great Britain March 5, 1934
2 Claims. (Cl. 255—41)



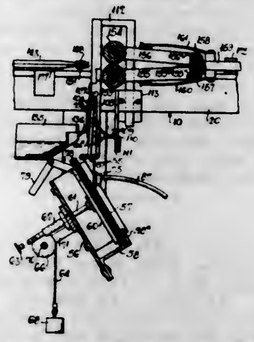
1. A detachable unit for converting a motor driven rotary tool such as a portable drill having a main casing into a percussive tool comprising a cap to fit detachably the forward end of the casing of the rotary tool to be converted, a spindle reciprocably and rotatably mounted therein, a face cam on the outer end of said spindle, a further and stationary face cam disposed so as to coact with said former face cam to impart a reciprocating motion to the spindle, a spring tending to hold the spindle in its outermost position, said spindle having a recess extending partially up its length, said recess being coaxial with aligned apertures in the face cams to permit the recess to receive in slidable engagement the upper portion of the shank of a tool holder, a toothed wheel on the inner end of the spindle, means for rotating said spindle from the motor spindle of the tool to be converted comprising a double width pinion meshing with the toothed wheel on the inner end of the spindle and permitting the spindle to reciprocate without interruption of the drive, said double width pinion being driven from a pinion on the motor spindle of the tool to be converted through a toothed wheel arranged coaxially with the double width pinion, the arrangement being such that rotation of the said motor spindle imparts a combined rotary and reciprocating motion to the aforesaid spindle relatively to the shank of the tool holder, the upper end of which is subjected to a series of blows applied by the inner end of the recess in the spindle to the opposing end of the shank of the tool holder by the action of the spring in returning the reciprocating spindle after each inward movement imparted to the spindle by the coacting face cams.

2,046,211
COMBINED WEED CUTTER AND CULTIVATOR ASSEMBLY
Marvin E. Rutherford, Samuel J. Ousley, and Melvin C. Rankin, Spur, Tex.
Application November 15, 1934, Serial No. 753,216
10 Claims. (Cl. 97—143)



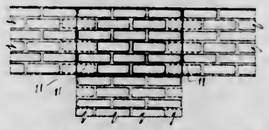
1. In an agricultural machine, a rear support formed of a pair of inverted yoke-shaped sections adjustably connected together, an adjustable brace between said sections, a front support arranged in parallelism to the rear support and formed of a pair of inverted yoke-shaped sections adjustably connected together, means for connecting said supports together, a pair of runners connecting one of the sections of the rear support to one of the sections of the front support, a pair of runners connecting the other section of the rear support to the other section of the front support, said runners being secured to and depending from the sides of the sections of the said supports, and vertically and angularly adjustable cutters connected with and extending at an outward inclination with respect to said runners.

2,046,212
LABELING MACHINE
John F. Schenck, Jr., and Robert W. Patterson, Shelby, N. C., assignors of sixty per cent to said Schenck and forty per cent to said Patterson
Application July 22, 1935, Serial No. 32,594
14 Claims. (Cl. 216—55)



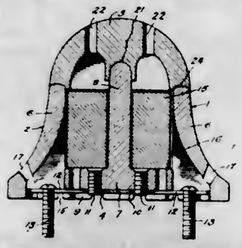
2. Apparatus for applying rider tickets to the ends of pairs of stockings comprising means for supporting a pair of stockings in a horizontal position, means for moving the ticket into position near the end of the stockings, means for rendering the ticket adhesive, and means for folding the ticket over the end of the stockings and applying pressure to the ticket and the stockings to cause the ticket to adhere to the stockings.

2,046,213
MONOLITHIC, METALLIC-REENFORCED SLAB
Octave Schnurer, Pittsburgh, Pa., assignor to Brixmesh Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application January 23, 1932, Serial No. 588,321
1 Claim. (Cl. 72—18)



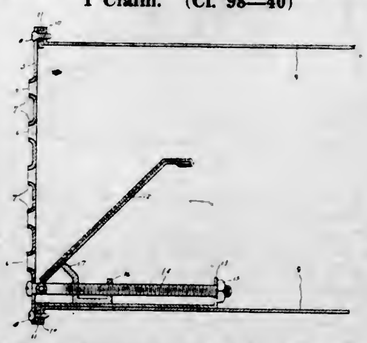
A panel for finishing the external walls of a building comprising a thin monolithic body of solidified mortar including in the plane of its expanse a cancellate sheet of metallic reenforcement, a plurality of thin bricks of fired clay embedded in said mortar, said fired bricks being in the expanse of said monolithic body arranged in staggered relation in the same general manner that the bricks or blocks of ordinary masonry are staggered in side elevation, said thin bricks being spaced apart in the general plane of their expanse, brick pointed molded fillets cast and hardened in the spacing between said bricks and in monolithic integration with said body to constitute said panel a thin pointed brick unit, the edge of said panel being provided with recesses of a depth equal to the depth of the pointed and finished fillets cast between the bricks and being adapted in assembly for registering with the complementary recesses of adjoining panels to provide together pockets for the reception of whole bricks to overlie the lines of abutment of the panels.

2,046,214
DEODORANT RECEPTACLE FOR URINALS
Albert S. Selig, Atlanta, Ga., assignor to The Selig Company, Inc., Atlanta, Ga., a corporation of Georgia
Application May 28, 1935, Serial No. 23,925
12 Claims. (Cl. 4—109)



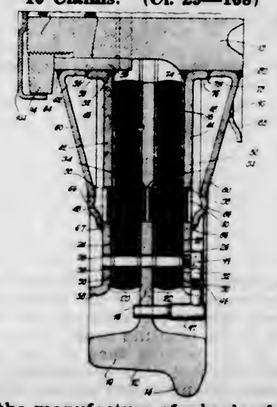
1. Deodorant receptacle comprising a surrounding side wall, a partition bridging the lower portion of said side wall, a post arising from said partition, the three aforesaid elements being integral and defining a receiver for an annular deodorant cake and a lid seating upon the edge of said side wall and being imperforate above the end of said post.

2,046,215
METHOD OF DISTRIBUTING AIR
Alfred E. Stacey, Jr., Essex Fells, and Charles E. Ernst, Elizabeth, N. J., assignors, by mesne assignments, to Carrier Engineering Corporation, Newark, N. J., a corporation of New York
Application July 27, 1932, Serial No. 624,956
1 Claim. (Cl. 98—40)



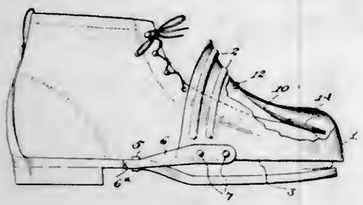
A method of distributing air within an enclosure which comprises supplying conditioned air to a point adjacent the enclosure at relatively great static pressure, expanding said air substantially to the pressure existing within the enclosure, said air being expanded and discharged directly within the enclosure in the form of thin elongated high velocity streams in a direction substantially parallel to the floor of the enclosure, whereby air within the enclosure is induced to move and mix with the introduced air for the purpose of attemperating the same.

2,046,216
CAR WHEEL AND METHOD OF MANUFACTURE
Douglas P. Steward, Westmont, Pa.
Application October 24, 1935, Serial No. 46,627
10 Claims. (Cl. 29—168)



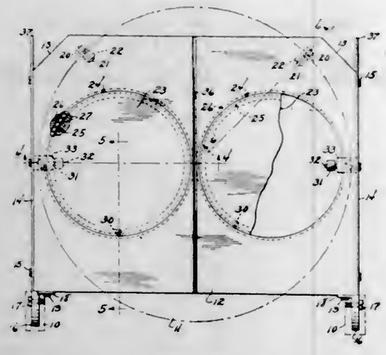
10. In the manufacture of wheels of the character described, the method which comprises forming a substantially flat plate with an inner annular flange, forming a substantially conical plate with a similar inner annular flange, welding the outer portion of the conical plate to the surface of the flat plate, securing the inner annular flanges of the said two plates to one another and welding the thus secured parts to a hub element.

2,046,217
FOOT GUARD
Albert A. Strauss, Pittsburgh, Pa.
Application August 20, 1935, Serial No. 37,053
6 Claims. (Cl. 36—72)



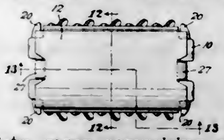
1. A foot guard comprising an integral rigid body adapted to extend over the instep and toe of a shoe, spring tension arms fastened to the rearward portion of said body and provided at their free ends with inturned portions forming clamping devices provided with means to engage the opposite surfaces of the sole of a shoe and resilient means secured to the inner wall of said body and positioned to bear upon the toe of the shoe to thereby yieldingly support said body spaced from the shoe at all points.

2,046,218
TWO-COLOR ATTACHMENT FOR PRINTING PRESSES
John B. Street and Otto E. Simon, Jackson, Miss.
Application September 30, 1935, Serial No. 42,922
2 Claims. (Cl. 101—203)



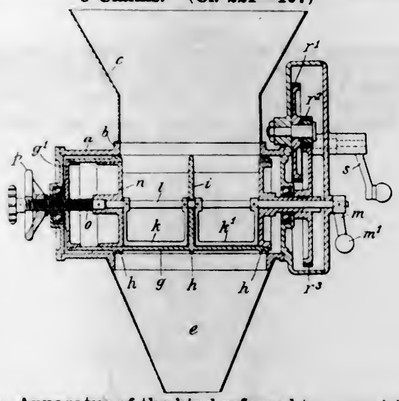
1. A multi-color inking attachment for printing presses having a rotary ink plate, comprising a base plate, means for securing the base plate at one end to the printing press, a pair of rollers disposed on the bottom face of the base plate and adapted to coact with said means in supporting the base plate upon and parallel with the ink plate of the printing press, a pair of discs for supplying respectively different colors of ink to the ink rollers of the press, said discs being rotatable on their axes in spaced openings formed in the base plate, ball bearings supporting the discs at their peripheries in said openings, and friction wheels supported by the base plate and bearing against the underneath surfaces of the discs, said friction wheels being adapted to engage the rotary ink plate of the press and rotate the discs.

2,046,219
SAFETY RAZOR
Harry Swan, New York, N. Y., assignor to Patents Incorporated, Wilmington, Del., a corporation of Delaware
Application October 17, 1930, Serial No. 489,264
10 Claims. (Cl. 30—72)



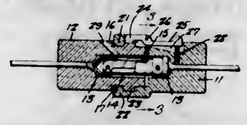
4. A safety razor comprising a flexible and elastic blade of oblong contour and internally apertured to receive positioning and clamping means, a guard member adapted to support the blade adjacent to the side edges of the latter, a transversely-concaved blade-clamping cap provided with parallel side edges, means for positioning the blade between the cap and the guard member, and means for clamping said parts together and simultaneously causing the side edges of the cap to flex the blade transversely on the guard member as a fulcrum, the blade being provided with unsharpened ends and with reentrant recesses located at its corner portions respectively and each extending both longitudinally and transversely of the blade and cap to such an extent as to span the corresponding cap corner and provide a clearance space of sufficient area to receive said cap corner if bent toward the guard member, whereby a bent cap corner is prevented from exerting pressure on the blade while being flexed or when clamped and thereby breaking the blade or distorting its cutting edge.

2,046,220
APPARATUS FOR DELIVERING PREDETERMINED QUANTITIES OF GRANULAR OR PULVERULENT MATERIAL
James Frederick Tanner, Bristol, England
Application January 25, 1935, Serial No. 3,399½
In Great Britain January 30, 1934
8 Claims. (Cl. 221—107)



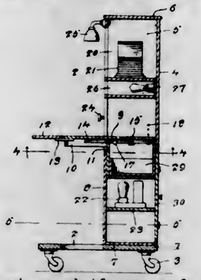
1. Apparatus of the kind referred to comprising an outer fixed cylindrical casing to which the hopper and delivery chute are secured, a spindle passing axially through the casing, an inner cylindrical measuring vessel mounted for rotation about the said spindle and contacting with the outer casing only at spaced points in its length, and means for adjusting the capacity of the measuring vessel.

2,046,221
COUPLING
William O. Thomas, Anderson, Ind.
Application July 28, 1933, Serial No. 682,678
Renewed May 21, 1936
2 Claims. (Cl. 200—115.5)



1. An electrical coupling comprising a pair of companion members formed from insulating material and having centrally arranged longitudinally disposed bores therein with like arranged passageways extending from the outer ends of the bores, said passageways receiving conductors having enlarged terminals providing heads disposed in the bores and fitting and contacting the ends thereof to prevent withdrawal of the conductors from the members, one of said members being provided with bayonet slots and a groove, the latter extending longitudinally of its member, lugs formed with the other member and receivable in the bayonet slots, latching means for said members and including a pawl carried by said other member, a head on one end of said pawl and being receivable in the groove for cooperation with the lugs and bayonet slots to hold the members together against circumferential and endwise displacement and with the bores in communication with each other to provide a chamber to receive a fuse, the latter having ends shaped to fit the heads for disposal in contact therewith.

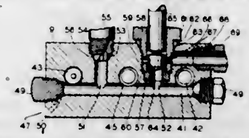
2,046,222
CABINET
Frank H. Thompson, Baltimore, Md.
Application July 13, 1934, Serial No. 735,053
3 Claims. (Cl. 312—162)



1. In a cabinet, a platform, a frame secured to the underside of the platform, said platform being adjustable vertically within the cabinet, means including the frame for retaining the platform in adjusted positions, and a drawer carried by the frame for movement with the platform.

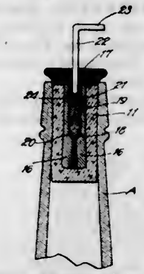
2,046,223
HOMOGENIZER
Benoit Trudel and Oscar Michaud, Montreal, Quebec, Canada, assignors to B. Trudel & Cie., Montreal, Quebec, Canada
Application December 27, 1934, Serial No. 759,424
In Canada May 29, 1934
3 Claims. (Cl. 99—267)

1. In a homogenizer including a cylinder block and fluid pressure imparting piston cooperating therewith, fluid inlet and outlet ducts in said block and a homogenizing valve body, a bore in said block over and connecting with said outlet duct, a homogenizing valve seat in the lower part of said bore, a ring threaded in said bore over said seat, the upper part of said bore threaded to receive the homogenizing valve body, the



space between said body and said ring forming an exit for said fluid, a delivery duct in said block leading to said space, and seating means consisting in a ring of comparatively soft metal around said body resting on a tapered seat on said block.

2,046,224
BOTTLE STOPPER LOCK
Frank Edward Vanderhoof, Greenwich, Conn., assignor to Frank Woodrow Vanderhoof, Greenwich, Conn.
Application October 20, 1934, Serial No. 749,209
Renewed May 19, 1936
2 Claims. (Cl. 215—54)

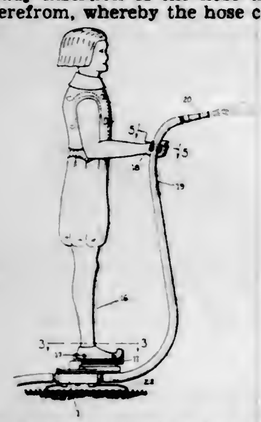


1. A bottle stopper comprising a yieldable plug body, a rigid cap fixedly attached to the top of said plug body and extending beyond the plane of the sides of said plug body, a sleeve member fixed to said cap and opening through the outer side thereof and embedded centrally within said yieldable plug body, radially disposed expansible fingers formed on the inner end of said sleeve member, said sleeve member being uniformly internally screw threaded inwardly from its top end, inclined wedge faces provided on the inner sides of said expansible fingers, and a screw threaded into the threaded portion of said sleeve member and provided with a conical wedge at its inner end for wedging engagement with the inclined faces on said fingers to expand said fingers and cause said plug body to be distended into frictional contact with the inner walls of the neck of a bottle.

2,046,225
ORNAMENTAL LAWN SPRINKLER
Marion D. Vickery, Peru, Ind.
Application July 28, 1934, Serial No. 737,442
1 Claim. (Cl. 299—67)

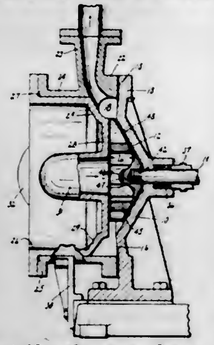
A sprinkling mechanism comprising a movable support, a water motor mounted on the support and having inlet and outlet hose connections, a vertical standard mounted for oscillation about its axis by the action of the water motor, a hose clamp carried by the upper end of said standard, and a hose connected to the outlet connection of the water motor, said clamp being arranged

for the ready insertion of the hose therein and release therefrom, whereby the hose can be used



by hand or the nozzle placed in the clamp to form an automatic oscillating sprinkler.

2,046,226
CENTRIFUGAL PUMP
Hugh E. Weightman and Nathan Roach, Cleveland, Ohio, assignors to The Cleveland Brass Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Application December 13, 1934, Serial No. 757,366
6 Claims. (Cl. 103—103)



1. In a centrifugal pump for a substantially incompressible fluid, a casing, a rotatable shaft, a circular impeller on said shaft within and closely conforming to said casing, there being a fluid inlet opening through said casing and communicating with the eye of said impeller and an annular discharge chamber of substantially uniform section about the periphery of said impeller, said inlet opening being of a size sufficient to provide a fluid inlet velocity not substantially over three feet per second, said impeller having vanes curved backward from the direction of rotation, said vanes being entirely cut away at their inner ends to form a recess at the eye of said impeller substantially equal in diameter to said inlet opening, said vanes adjacent their inner ends being of a depth not substantially less than 1.3 times the radius of said inlet opening, and said vanes decreasing in depth from the eye to the periphery of said impeller in a manner to provide a substantially constant cross-sectional area of the fluid passageways between adjacent vanes.

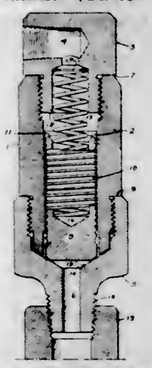
2,046,227
CLOSURE CAP FOR JARS
William P. White, Glencoe, Ill., assignor to White Cap Company, Chicago, Ill., a corporation of Delaware
Application March 26, 1934, Serial No. 717,290
11 Claims. (Cl. 215—43)



4. A closure cap for jars and the like comprising an annular screw-threaded skirt portion, an elastically flexible upwardly domed top panel conjoining the skirt portion and a gasket of yieldable sealing material in contact with the under surface of the top panel adjacent the skirt portion, said top panel being flexible downwardly from its margin to swing the gasket downwardly and its inherent elasticity being effective to return it to an upwardly domed position after it has been flexed to a concave position.

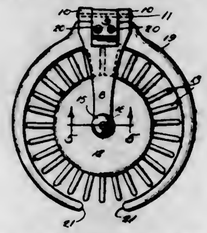
9. A closure cap for jars and the like as specified in claim 4 and in which a portion of the top panel is countersunk and a valve is arranged to seat in said countersunk portion under pressure applied to the upper surface of the top panel to flex it downwardly.

2,046,228
AIR DRAIN VALVE
Ernst Wiedmann and James K. Douglas, Milwaukee, Wis., assignors to The Oilgear Company, Milwaukee, Wis., a corporation of Wisconsin
Application August 4, 1930, Serial No. 472,929
10 Claims. (Cl. 251—114)



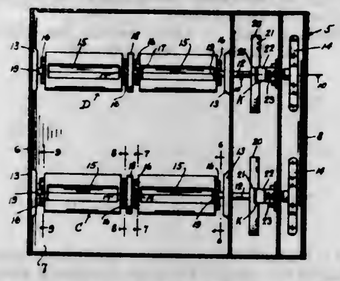
8. An air drain valve, for connection into a hydraulic circuit to enable entrapped air and gas to escape therefrom, comprising a casing having a cylindrical bore and an inlet thereto and an outlet therefrom, means providing between said inlet and said outlet a restricted passageway of a length sufficient to limit the flow therethrough to a predetermined low rate at a given pressure, a valve arranged in said casing for controlling the flow of fluid through said passageway, a spring urging said valve to a position to close communication between said inlet and said passageway, said valve being responsive to a predetermined low pressure to open said inlet to the inlet end of said passageway against the resistance of said spring, and a second valve connected to the first mentioned valve and coacting with the wall of said cylindrical bore for closing the inlet end of said passageway against further resistance of said spring in response to a predetermined high pressure.

2,046,229
ROTATABLE RACK AND SUPPORT
John Woda, Los Angeles, Calif.
Application August 15, 1935, Serial No. 36,414
3 Claims. (Cl. 211—95)



1. A supporting rack comprising a wall bracket, an arm hingedly secured to the wall bracket, a hub rotatably secured to the hinged arm, radially extending pins for receiving articles of apparel attached to the hub, and an interrupted ring confining the supporting pins attached to the hinged arm.

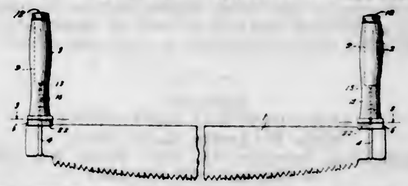
2,046,230
VENDING MACHINE
Alfred Paul Wolff, Stockton, Calif.
Application January 7, 1935, Serial No. 755
1 Claim. (Cl. 312—84)



In a vending machine of the character set forth the combination, of sets of article retaining chutes, aligned delivery cylinders having pockets communicating with the chutes, ratchet gears on opposite ends of the cylinders, the teeth of the ratchet gears on each cylinder being oppositely disposed to those on the other cylinder, a shaft loosely passing through the cylinders, a block secured on the shaft between the cylinders, oppositely directed dogs on the block and engaging certain ratchet gears on the cylinders, bearing blocks supporting the shaft, and oppositely directed dogs on the bearing blocks and engaging certain other ratchet gears of the cylinders.

2,046,231
SAW
James N. Alexander, Birmingham, Ala.
Application July 21, 1933, Serial No. 681,634
Renewed May 8, 1935
9 Claims. (Cl. 145—35)

1. A cross-cut saw comprising a blade, a handle for each end of the blade, a lubricant reservoir carried by each handle, and means carried by one handle for lubricating one side of the blade only, by forcefully ejecting a stream of lubricant



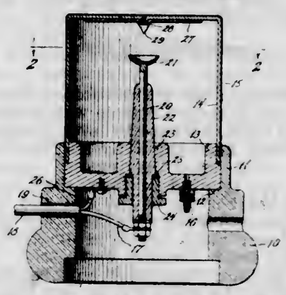
and means in the other handle for similarly lubricating the other side of the blade.

2,046,232
ATOMIZER
Martin Georg Andersen, Frederiksberg, near Copenhagen, Denmark
Application August 13, 1934, Serial No. 739,668
In Denmark January 13, 1934
1 Claim. (Cl. 299—89)



An atomizer including, in combination, a tank adapted to contain liquid to be atomized and air under pressure, a plug at the upper end of said tank having a bore extending throughout its length and providing communication from the inside to the outside of the tank, a tube inserted in the lower end of said bore extending below the surface of the liquid in the tank, a second bore open at its lower end to the air in the tank and closed at its top, a transverse bore opening at the side of said plug, crossing said first bore and intersecting and stopping the said second bore, and a second tube in said first bore closing off the transverse bore and having a small axial passage open at its upper end to atmosphere and at its lower end to said first bore, and also having a lateral port affording communication between said passage and transverse bore on the second bore side of the second tube.

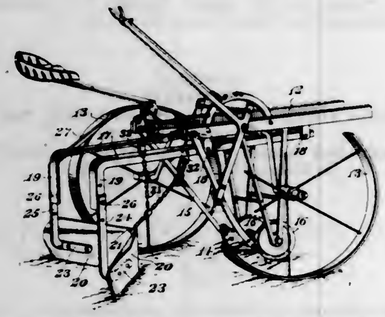
2,046,233
ELECTRICAL HEATER
Raoul Audain, Washington, D. C., assignor of one-fifth to Wade B. Hampton, Washington, D. C.
Application March 16, 1936, Serial No. 69,177
7 Claims. (Cl. 219—19)



1. A portable cathode ray heater comprising, in combination, an evacuated metal casing; a concave reflector-shaped cathode within the casing; an anti-cathode plate secured in heat transferring relation to a wall of the casing opposite

the cathode so that the cathode rays bombard substantially the entire inner surface thereof; and a relatively small anode on the inner face of said plate directly opposite the cathode.

2,046,234
AGRICULTURAL IMPLEMENT
Willis W. Austin, Yoder, Wyo.
Application February 23, 1935, Serial No. 7,890
10 Claims. (Cl. 55—106)



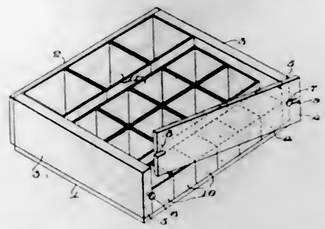
1. An agricultural implement comprising a vegetable digging mechanism having means for loosening the earth in its digging operation and depositing the dug vegetables on the earth behind said mechanism, and means in rear of the digging mechanism for moving aside the vegetables dug thereby and leveling the earth to provide a relatively clean flat path alongside the dug vegetables.

2,046,235
TOBACCO CAN
David Baden, Hazleton, Pa.
Application July 8, 1935, Serial No. 30,411
2 Claims. (Cl. 206—56)



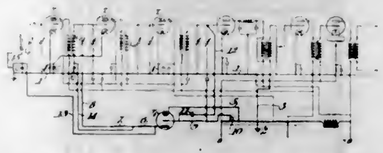
1. In combination with a tobacco can having a follower and a slotted bottom wall provided with a series of teeth, a strip-like lever having one end enlarged and bent angularly and contacting the follower, said lever having its opposite end notched and reduced to form shoulders to fulcrum on the bottom of the can and to provide a shank extendible through the slot of the bottom with a finger piece arranged exteriorly of the can, said lever having oppositely extending notches forming therebetween a reduced portion, a strip-like brace having one end notched and provided with a restricted throat to said notch to receive the reduced portions between the notches of the lever, said brace having its opposite end tapered for movement over the teeth.

2,046,236
GARDEN FLAT
Francis J. Ball, Willow Grove, Pa., assignor of two-thirds to Charles M. Biddle, 3d, Riverton, N. J.
Refiled for abandoned application Serial No. 697,354, November 9, 1933. This application October 9, 1935, Serial No. 44,243
10 Claims. (Cl. 47—37)



1. A garden flat comprising a pair of oppositely positioned walls, a wall normally extending between said first walls, means to pivotally connect said last wall with one of said first walls, and means to oscillatably connect said wall with the other of said first walls.

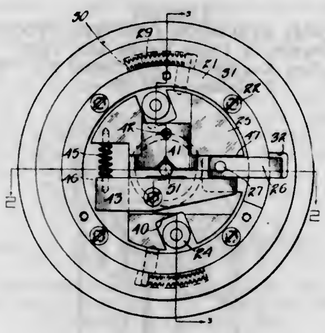
2,046,237
VOLUME CONTROL FOR AMPLIFIERS
Stuart Ballantine, Mountain Lakes, N. J., assignor, by mesne assignments, to Radio Corporation of America, New York, N. Y., a corporation of Delaware
Application July 5, 1929, Serial No. 376,163
41 Claims. (Cl. 250—20)



1. In a transmission system including cascaded tube stages for amplifying an incoming signal at radio frequency, the method of maintaining a uniform and distortionless transmission level which comprises simultaneously varying the amplification of the several stages at different rates.

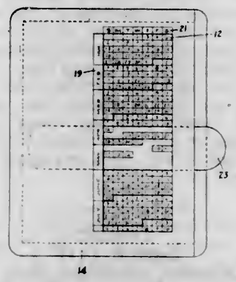
2,046,238
AUTOMATIC WORK DRIVING DEVICE
Harold E. Balsiger, Waynesboro, Pa., assignor to Landis Tool Company, Waynesboro, Pa., a corporation of Pennsylvania
Application November 10, 1932, Serial No. 642,101
6 Claims. (Cl. 82—40)

1. A work driving device comprising a spindle, a face plate secured thereon, a driving ring secured to the face plate, a driving dog mounted within the driving ring, said driving dog having opposed notches therein, rollers mounted on the driving ring engageable in said notches for driving the dog from the driving ring, a stationary jaw on the driving dog, a movable jaw cooperating with the stationary jaw for gripping the work, resilient means for moving the movable jaw to work gripping position, a finger mounted on the driving ring movable to engage the movable jaw to release the work, a friction release ring positioned about the driving ring, said friction release ring having a notch into which one end of the said finger engages, the friction release ring being normally rotated with the driving ring during operation of the machine, and a friction



brake engageable with the friction release ring to retard its motion, such retardation causing the said finger to move the movable work engaging jaw out of contact with the work, substantially as set forth.

2,046,239
MENSOMETER
Frank E. Bardrof, Shaker Heights, Ohio
Application January 28, 1935, Serial No. 3,745
6 Claims. (Cl. 40—109)



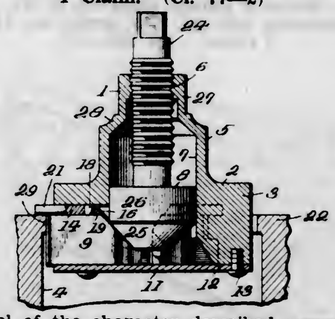
1. In combination, an element having thereon a continuous calendar consisting of day spaces of uniform size arranged in contiguous relation in horizontal rows of seven day spaces and bearing indicia corresponding to the days of a month, said calendar including spaces corresponding to days of a plurality of months and the space corresponding to the first day of a succeeding month occupying the next succeeding day space to that occupied by the last day of the preceding month, and an indicating element having an indicating area corresponding to at least four contiguous horizontal rows of day spaces of the same size as those of the calendar, each row corresponding to thirteen contiguous day spaces, said indicating element being modified at the point corresponding to the central day space of the uppermost row to form an indicating point and at points corresponding to a group of succeeding day spaces selected to indicate on said calendar a significant portion of a physiological cycle beginning on a day to which said central day space of the upper row is set.

2,046,240
ABRASIVE ARTICLE
Thomas W. Bayley, Los Angeles, Calif.
Application July 1, 1932, Serial No. 620,453
5 Claims. (Cl. 51—185)



1. An abrasive hair remover comprising a mitten shaped flexible backing, fine abrasive powder attached to the outer surface by a water-proof adhesive, and a suede finish paper inner surface.

2,046,241
TOOL FOR REMOVING RIDGES FROM CYLINDER WALLS
Lawrence O. Beard, Lancaster, Pa.
Application January 8, 1935, Serial No. 921
1 Claim. (Cl. 77—2)



A tool of the character described comprising a slotted cutter head, cutter blades having flat upper surfaces thereon, mounted in said slots, an upstanding pin member on said flat surface adjacent the inner end of each of said blades, substantially rectangular supporting members in said slots and removably mounted on said upstanding pin member, said supporting members adapted to extend beyond the ends of said blades for supporting the tool upon a cylinder block.

2,046,242
PROCESS FOR PREVENTING THE DETRIMENTAL FORMATION OF LIME AND MAGNESIA SOAPS
Heinrich Bertsch, Chemnitz, Germany, assignor, by mesne assignments, to American Hyalsol Corporation, Wilmington, Del., a corporation of Delaware
No Drawing. Application December 5, 1930, Serial No. 500,438. In Germany December 13, 1929
10 Claims. (Cl. 87—5)

1. In a process of rinsing fibrous materials treated with solutions of fatty acid derivatives unstable towards lime and magnesia salts, the method of preventing the detrimental effects of lime and magnesia soaps remaining as a result of such treatment characterized in that sulphonation products of the primary higher aliphatic alcohols are added to the rinsing liquids.

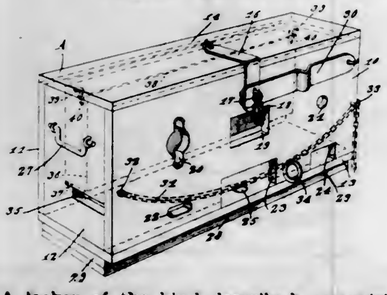
2. The process of eliminating the detrimental effects of lime and magnesia soaps in liquid treatment baths containing fatty acid derivatives un-

stable towards lime and magnesia salts comprising adding to the treatment liquid a sulfonated higher aliphatic alcohol.

2,046,243
MOTOR FUEL
Hyym E. Buc, Roselle, N. J., assignor to Standard Oil Development Company, a corporation of Delaware
No Drawing. Application December 21, 1932, Serial No. 648,211
11 Claims. (Cl. 44—9)

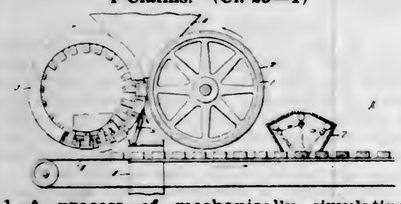
1. A motor fuel comprising a mixture of hydrocarbons boiling within the gasoline range having its octane number improved by an addition of a substantial amount of a normally liquid ether miscible with gasoline and boiling within the gasoline boiling range, and having the structure R—O—R' in which at least one of R and R' is a branched aliphatic hydrocarbon radical and both R and R' are hydrocarbon groups.

2,046,244
MINE TOOL LOCKER
Walter S. Carner, Goodwill, W. Va.
Application July 16, 1935, Serial No. 31,649
1 Claim. (Cl. 206—16)



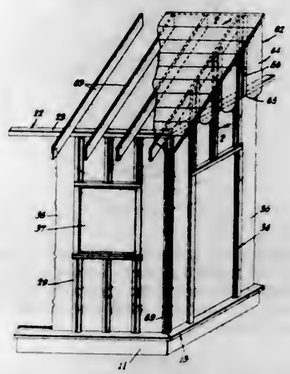
A locker of the kind described, comprising a box-like body having sides, ends, top and bottom, one end and one side being connected with the bottom and the other end and one side connected to the top, means swingingly connecting the side connected with the top to said bottom, one side and one end having openings for tool reception, a shelf carried by and spaced from the bottom, and a container within the box-like body and carried by one side and having latching engagement with the ends of the body when in normal position within the latter.

2,046,245
PROCESS OF MECHANICALLY SIMULATING HANDMADE BRICK
John R. Clark, Battery Park, Md.
Application July 30, 1932, Serial No. 626,817
Renewed April 16, 1935
4 Claims. (Cl. 25—1)



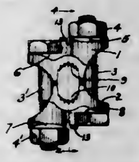
1. A process of mechanically simulating a handmade brick comprising mechanically molding a brick to present folds in the surfaces thereof like a handmade brick, and embedding sand in the surfaces thus formed to correspond to the sand appearing in the surfaces of a handmade brick.

2,046,246
WOOD BUILDING CONSTRUCTION
Stanley A. Clem, Santa Ana, Calif.
Application August 16, 1934, Serial No. 740,124
8 Claims. (Cl. 20—2)



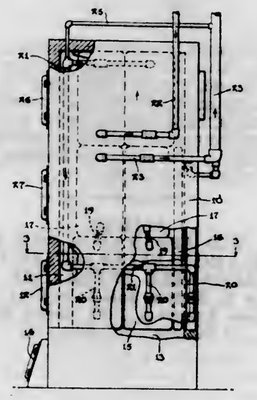
1. In a building construction, the combination of a sill, a top plate, a plurality of vertical studs having grooves on their opposite edges, the studs being fastened to the sill and the top plate, and a plurality of vertical boards having their side edges engaged in the grooves of the studs, and a means on the sill and also on the top plate to engage the ends of the boards, the means engaging the boards at the sill comprising the sill being formed with a horizontal rabbet with a shoulder at one side and a downward slope on the other side of the rabbet and the lower ends of the boards resting on the said rabbet, one side of the boards at their lower ends engaging the side of the shoulder.

2,046,247
CABLE CLIP
Homer P. Chandler, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a corporation of New Jersey
Application September 1, 1934, Serial No. 742,455
7 Claims. (Cl. 24—115)



6. A cable clip to clamp a pair of cables together comprising a pair of clamping members, each member provided with a body having a pair of spaced openings and a cable engaging seat curved convexly relative to the cable to permit both clamping members to rock relative to the cables in the plane of the cables and to each other, a bolt positioned loosely in one opening of each body and projecting through the other opening of the cooperating clamping member, means to hold the bolt loosely but against longitudinal displacement, the surfaces adjacent the openings being convex and the plane of the surfaces adjacent the opening in which the bolt is secured being depressed relative to the plane of the surface of the other opening, a nut threaded on each bolt to engage the surface adjacent the opening on the cooperating clamping member through which the bolt projects, the nuts and bolts arranged to draw the bodies into clamping engagement with the cables, the clamping engagement of the members upon the cables increasing as the stress upon the cables increases and the body members rock upon the cables relative thereto and to each other.

2,046,248
STEAM AND HOT WATER HEATING BOILER
Dawson Conekin, Philadelphia, Pa.
Application June 12, 1935, Serial No. 26,282
6 Claims. (Cl. 122—226)

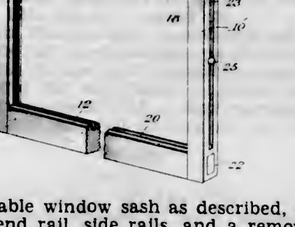


1. A boiler consisting of a shell having a combustion chamber in its lower portion, a series of single, cast radiator units lining said chamber, upper and intermediate series of vertical cast radiator units occupying approximately the full area within the shell above the combustion chamber and of which the intermediate series of units are fed from said combustion chamber units, feed pipes leading from the intermediate series of units, return pipes connected to the upper series of units for preheating the return fluid, and fluid feed connections between said upper preheating units and the said units of the combustion chamber.

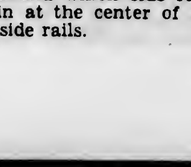
2,046,249
AMINOPYRENE-SULPHONIC ACIDS AND A PROCESS OF PREPARING THEM
Martin Corell, Frankfort-on-the-Main, Germany, assignor to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application February 19, 1934, Serial No. 712,076. In Germany February 25, 1933
5 Claims. (Cl. 260—129)

1. The process which comprises treating at temperatures between room-temperature and about 200° C. 3-aminopyrene with a sulphonating agent.

3. The compounds of the general formula:



2,046,250
FENCE POST
Frank J. Czemba, Duluth, Minn.
Application May 21, 1934, Serial No. 726,673
5 Claims. (Cl. 256—57)

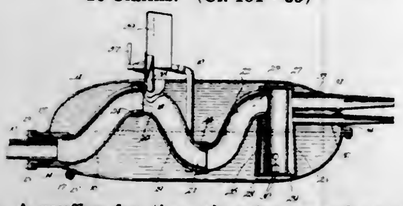


1. A rolled metal section suitable for fence posts and the like having a flange extending from either side of said section with a row of longitudinally extending arcuate indentations formed in the face of each flange intermediate the side edges thereof forming humps on the back of the flanges between which humps are formed seats to receive a fence wire, and a pair of oppositely disposed inwardly extending ribs one upon each side of said section, and clips engageable behind said ribs for engaging a fence wire and holding it in its seat.

2,046,251
CHANGEABLE WINDOW SASH
Abraham A. Daniels, Fruitdale, S. Dak.
Application January 28, 1935, Serial No. 3,865
1 Claim. (Cl. 20—56.2)

A changeable window sash as described, comprising an end rail, side rails, and a removable meeting rail interfitting the side rails, and said side rails having longitudinally extending weight cord channels which terminate in breakable webs which are located adjacent to the points of connection of the meeting and end rails with the said side rails and which side rails have knot sockets therein at the center of the channeled edges of said side rails.

2,046,252
MUFFLER FOR AIRCRAFT
Frank P. Davis, Hileah, Fla., assignor of one-half to Joseph H. Walsh, Jacksonville, Fla.
Application April 5, 1933, Serial No. 664,616
16 Claims. (Cl. 181—35)



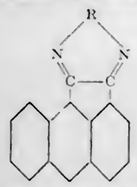
1. A muffler for the exhaust gases of an internal combustion engine, comprising an imperforate tube disposed in communication with said exhaust gases and adapted to conduct the same from said engine, a casing surrounding said tube and connected thereto solely by means of bodies of sound absorbing material interposed between said casing and tube, said casing providing a closed space exteriorly of the walls of said tube adapted for the circulation of a cooling fluid in heat exchange relation to said tube and the exhaust gases passing therethrough, to cool and contract the same and thereby substantially eliminate back pressure.

2,046,253
PRODUCTION OF CELLULOSE-COATED PIGMENT
Frederick Baxter Downing, Carneys Point, N. J., and Richard Gesse Clarkson, Wilmington, Del., assignors to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application July 19, 1933, Serial No. 681,218
8 Claims. (Cl. 134—58)

1. The process which comprises subjecting an alkali salt of a cellulose mono-ester of a dicarboxylic acid to hydrolysis in the presence of an aqueous suspension of an inorganic pigment.

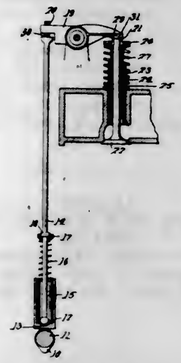
2,046,254
VAT DYESTUFFS DERIVED FROM ACEANTHRENEQUINONE AND PROCESS OF PREPARING THEM
Wilhelm Eckert and Heinrich Sieber, Frankfort-on-the-Main-Hochst, Germany, assignors to General Aniline Works, Inc., New York, N. Y., a corporation of Delaware
No Drawing. Application June 10, 1933, Serial No. 675,331. In Germany June 14, 1932
13 Claims. (Cl. 260—29)

9. The compounds substantially identical with those which are obtainable by the process which comprises melting with a caustic alkali a compound which is obtainable by condensing an aceanthrene with a 1,2-diamino compound and which has the general formula:



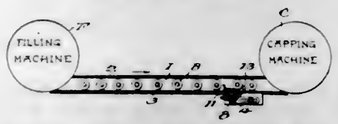
wherein =N—R—N= means the 1,2-diamino-radical R being a radical of the aliphatic, benzene, naphthalene and fluorene series.

2,046,255
VALVE OPERATING DEVICE
Elmer F. Fisher, Auburn, Mass., assignor of one-half to James G. Veino, Worcester, Mass.
Application March 13, 1933, Serial No. 660,505
Renewed December 4, 1935
2 Claims. (Cl. 123—188)



1. The combination with an internal combustion engine valve, its stem and rocker arm, of a stationary guide, a sleeve having a sliding fit in the guide and on the stem and provided at the top with an integral spring seat, the stem and sleeve being connected to move together, and a spring engaging the seat for holding the valve yieldingly against the seat.

2,046,256
METHOD AND APPARATUS FOR LIBERATING AIR FROM RECEPTACLES CONTAINING CARBONATED BEVERAGES
Horace H. Fisher, Salt Lake City, Utah
Application August 5, 1935, Serial No. 34,834
13 Claims. (Cl. 226—72)

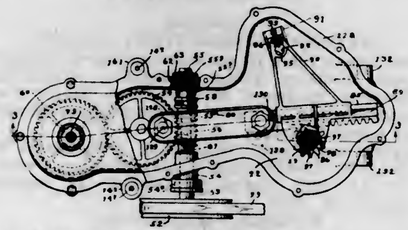


4. A system for packaging carbonated beverages comprising means for partially filling receptacles with the beverage in an atmosphere containing air whereby the space above the liquid will contain air, a closure-applying means, means for transferring the receptacle from the receptacle-filling means to the closure-applying means, and means for tapping the receptacle while it is in transit from the receptacle-filling means to the closure-applying means to cause a portion of the carbon dioxide in the beverage to be liberated whereby the same will rise to the surface of the liquid and displace at least a part of the air in the receptacle above the liquid.

2,046,257
CHEMICAL PROCESS
Robert Barnett Flint, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application January 5, 1934, Serial No. 705,399
9 Claims. (Cl. 260—1)

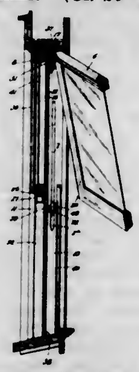
3. The process which comprises catalytically hydrogenating in two stages a material selected from the group consisting of rubber, raw rubber, gutta percha, balta, polymerized butadiene, polymerized chloro-2-butadiene-1,3, and polymerized isoprene, under a temperature of 100°–400° C. and under a pressure of 500–5000 pounds per square inch in the presence of an unsaturated organic compound selected from the group consisting of naphthalene, anthracene, phenanthrene, benzene, and toluene, the first stage being effected under relatively mild conditions of temperature and pressure and the second stage being carried out under a higher temperature and pressure.

2,046,258
CLOTHES WASHER MECHANISM
Walter A. Frantz, Cleveland Heights, and John J. McCabe, Cleveland, Ohio, assignors to The Apex Electrical Manufacturing Company, Cleveland, Ohio, a corporation of Ohio
Original application May 27, 1932, Serial No. 613,999. Divided and this application August 8, 1933, Serial No. 684,202
24 Claims. (Cl. 74—77)



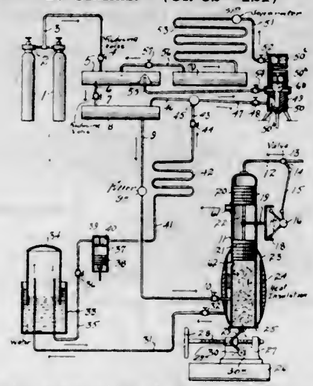
1. A gear mechanism for laundry machines and the like comprising, an oscillatory driven shaft, a rotatory driven shaft, a rotatory driving shaft, a single worm driven by said driving shaft, a single worm gear in mesh therewith, motion converting means for connecting said worm gear to said oscillatory driven shaft, and a gear meshing with said worm gear for connecting said rotatory driven shaft with said rotatory driving shaft.

2,046,259
WINDOW
Earl F. Gaines and Walter C. Lippert, Milwaukee, Wis.
Application April 25, 1935, Serial No. 18,230
8 Claims. (Cl. 20—52.2)



1. In a window construction, a frame, upper and lower sashes slidable vertically in said frame, a divider between the sashes carried by the frame and defining tracks for the sashes, weight cords detachably engaged with said sashes, guides carried by said sashes and slidably engaged with said divider, the guides being movable out of engagement with the divider and the sashes being normally held against movement to a position in which the guides may be moved out of engagement with the divider, and cooperating strips carried by the frame and sashes for forming close joints between the same, the strips of the sashes moving out of engagement with the strips of the frame when the sashes are in position for removal.

2,046,260
APPPARATUS FOR PRODUCING SOLID CARBON DIOXIDE
Justus C. Goosmann, Chicago, Ill., assignor, by mesne assignments, to Adico Development Corporation
Application October 24, 1928, Serial No. 314,643
10 Claims. (Cl. 62—121)

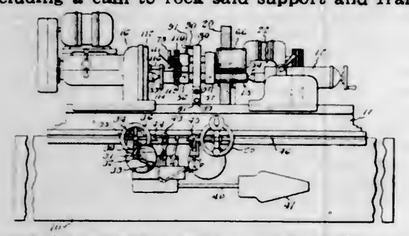


1. In an apparatus of the type described, the combination comprising a snow forming machine having an open ended cylinder, means for closing the open end of said cylinder, a movable piston in said cylinder, a fluid pressure connection in one end of said cylinder, a valve in said connection, means interconnecting said piston and valve for automatically operating the valve, means enclosing a portion of said cylinder for forming an annular space, said cylinder having a passage in the wall thereof for establishing communication between the interior of the cylinder and said annular space, a source of liquid carbon dioxide, a connection between said source and said cylinder whereby the liquid is adapted to move the piston upwardly, a gasometer connected to said annular space, and connections between said gasometer and said liquid source including compressors and coolers for reliquefying any gas formed in the system.

2,046,261
GRINDING APPARATUS
Clarence J. Green, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a corporation of Massachusetts
Application February 6, 1936, Serial No. 62,661
8 Claims. (Cl. 51—101)

1. A grinding attachment for a grinding machine having a rotatable grinding wheel for grinding non-circular objects, comprising a pivotally mounted support, a frame on said support, a rotatable spindle on said frame, a work support on

said spindle, means to rotate said spindle, means including a cam to rock said support and frame

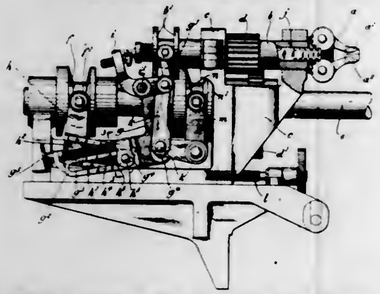


to rock the work piece toward and from the grinding wheel, and means to adjust the contour of said cam to vary the extent of rocking of said support.

2,046,262
MACHINE FOR WRAPPING SWEETS AND THE LIKE

Frederick Grover, Leeds, England, assignor to The Forgrove Machinery Company Limited, Leeds, England

Application September 9, 1935, Serial No. 39,867
In Great Britain December 15, 1934
8 Claims. (Cl. 93—5)



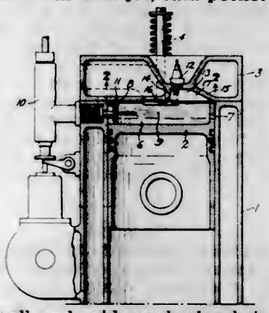
1. Twist grippers for wrapping machines comprising, gripping jaws, a spindle carrying said jaws mounted for rotation and endwise reciprocation, a gripper driving shaft, gearing on said shaft for rotating said spindle, a cam on said shaft for reciprocating said spindle, two levers one of which engages with said reciprocating cam and the other of which engages with the spindle, means for adjustably interconnecting one of said levers to the other in order to permit the amount of reciprocating movement imparted to the grippers to be varied within predetermined limits.

2,046,263
INTERNAL COMBUSTION ENGINE

Knut Jonas Elias Hesselman, Saltsjo-Storangen, Sweden, assignor to Hesselman Motor Corporation, Ltd., London, England, a corporation of Great Britain

Application September 30, 1930, Serial No. 485,378. Renewed March 27, 1934. In Sweden October 17, 1929
12 Claims. (Cl. 123—32)

1. In an internal combustion engine of the type in which ignition during normal operation of the engine is effected by electric spark, a cylinder and a cylinder head providing a combustion chamber, a nozzle having an opening for projecting a jet of liquid fuel during the latter part of the compression stroke transversely of the cylinder adjacent to the upper wall of said chamber, said head providing a relatively shallow and open pocket communicating with the combustion chamber, a spark plug located in said pocket for igniting fuel from said jet, said pocket having a

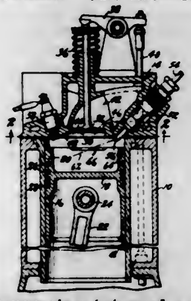


shielding wall and said spark plug being located adjacent to said wall and outside of and adjacent to the projection of a line drawn from the opening in said nozzle to the inner edge of said wall.

2,046,264
INTERNAL COMBUSTION ENGINE

Knut Jonas Elias Hesselman, Saltsjo-Storangen, and Torbjörn Viktor Dilström, Stockholm, Sweden, assignors to Hesselman Motor Corporation Ltd., London, England, a corporation of Great Britain

Original application October 6, 1934, Serial No. 747,134. Divided and this application December 21, 1935, Serial No. 55,572. In Sweden March 10, 1934
4 Claims. (Cl. 123—32)



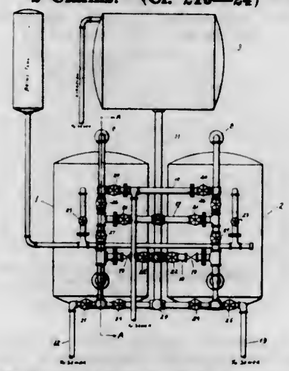
1. A low compression internal combustion engine of the explosion type having liquid fuel injection commencing substantially ahead of top dead center and spark ignition for igniting a combustible air-fuel mixture formed prior to ignition, including a cylinder, a cylinder head, a piston in said cylinder having a substantially continuous upwardly extending collar portion, said piston, toward the end of the compression stroke, providing with the under side of the head a generally circular main combustion chamber substantially symmetrical with respect to the axis of the cylinder and having substantially minimum cylinder wall surface exposed and the major portion of said chamber being disposed within the piston, means for admitting air during the suction stroke in a manner creating whirling movement of the air about the axis of the cylinder during the suction stroke, which whirling movement continues during the compression stroke, including a valve located above the piston and opening toward the combustion chamber from the underside of said head, means for exhausting combustion gases including a

valve located above the piston and opening toward the combustion chamber from the underside of said head, a spark plug projecting downwardly into said main combustion chamber and in a position exposed to the movement of the whirling air across the inner end of the plug during the suction and compression strokes, and fuel injection means for projecting finely divided liquid fuel during the latter portion of the compression stroke transversely of the cylinder into the portion of the combustion space formed by the piston so that a substantial portion of said combustible fuel-air mixture is formed in said portion of the combustion space below the level of the inner end of the plug.

2,046,265
APPARATUS FOR REGENERATING ZEOLITE BEDS

Joseph H. Hewetson, Cincinnati, Ohio, assignor to J. H. Hewetson Company, a corporation of Ohio

Application January 31, 1935, Serial No. 4,366
2 Claims. (Cl. 210—24)

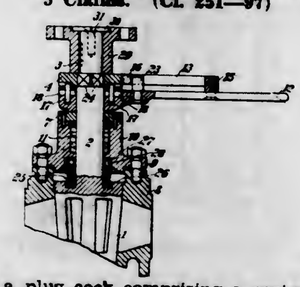


1. A water softener comprising a cell, a zeolite bed within said cell, means for backwashing said bed, said means comprising a storage tank, a brine tank, piping for bringing brine to said zeolite bed, piping for washing said zeolite bed with fresh water to remove said brine, piping for transferring the spent water for rinsing to said storage tank, a pump in said latter piping adapted to force said spent rinse water through said zeolite bed to backwash the latter.

2,046,266
VALVE

Gustav Huhn, Berlin-Tempelhof, Germany

Application February 9, 1935, Serial No. 5,835
In Germany February 12, 1934
5 Claims. (Cl. 251—97)



1. In a plug cock comprising a casing with a conical bore, a tapered plug rotatably seated within said bore, a spring urging said plug in its seat in the bore, a stem rigidly connected with said plug and a rotatable operating member having a lost-motion connection with said stem, the combination of cam-faces coupled by elastic means with said operating member and rigidly connected with said stem, and rolling means mounted on said operating member and cooperating with said cam-faces for lifting up axially the said plug during the lost-motion of the operating means, and means for positively preventing a turning of said stem during the said lost-motion.

2,046,267
PIGMENTS

Frank Willard Johnson, Pennsgrove, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a corporation of Delaware

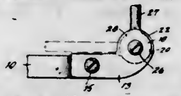
No Drawing. Application August 24, 1933, Serial No. 686,653
8 Claims. (Cl. 134—58.5)

1. The process of producing finely divided, amorphous, regenerated cellulose pigments which comprises heating an alkaline aqueous solution of an alkali salt of a cellulose mono-ester of a dicarboxylic acid and a dye for cellulose of the type which can be applied from alkaline solution to a temperature sufficiently high to hydrolyze said mono-ester, whereby cellulosic particles containing the dye are precipitated in finely divided, practically colloidal, but filterable form.

2,046,268
OPHTHALMIC MOUNTING

Henry F. Keller, Bridgeport, Conn.

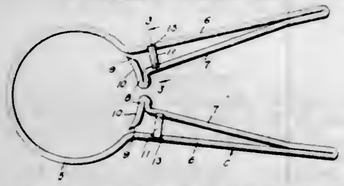
Application July 13, 1935, Serial No. 31,167
1 Claim. (Cl. 88—53)



An ophthalmic mounting comprising a metallic temple supporting member having a socket therein, said socket being defined by an upper interiorly flat lateral wall, a lower interiorly flat lateral wall, and a circumferential side wall extending partially about said socket from the forward to the rearward side of said supporting member and having an inner circumferential bearing wall surface concentric to the central axis of said socket, the rearward end of said wall constituting a temple movement limiting stop, a temple having a shaft and a centrally apertured laterally disposed circular flat bearing end, of a diameter substantially greater than the lateral thickness dimension of said shaft and of a vertical thickness substantially corresponding to the vertical dimension of said socket, disposed in said socket with its peripheral surface slidably engaging said circumferential bearing wall surface and its upper and lower flat surfaces slidably engaging said flat lateral walls of said socket whereby said interior lateral and circumferential surfaces of said socket are at all times slidably engaged by said bearing end to completely close said socket against entrance of dirt, and a removable pivot pin pivotally engaging the aperture of said bearing end and securing said bearing end within said socket for rotary movement about the central axis of said socket, said temple adapted to engage said end of said wall in one limit position at a point contiguous to said bearing end, said socket having a laterally disposed open side opposed to said circumferential bearing wall sur-

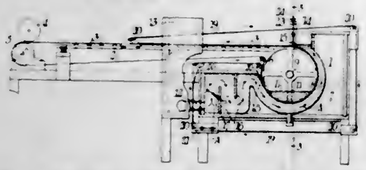
face of a width greater than the diameter of said bearing end, whereby said bearing end may be laterally engaged with and disengaged from said socket upon the removal of said pivot pin.

2,046,269
FRUIT JAR WRENCH
Otto Kielman, Waukegan, Ill.
Application July 10, 1935, Serial No. 30,695
3 Claims. (Cl. 81—3.1)



1. A wrench of the kind described comprising a springy ring open at one side, arms joined with the ring at the open side, extensions bent from the arms and disposed in inwardly convergent relation to each other between said arms, and jaws laterally bent from the extensions to lie at the open side of said ring and having curved working faces corresponding to the curvature of the ring.

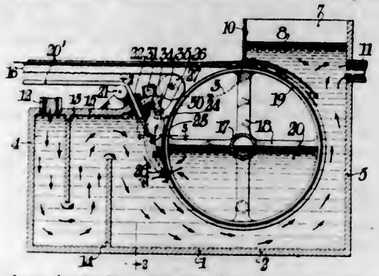
2,046,270
TWO-STAGE GRAVITY FLOW WET END PAPER MAKING MACHINE
Gerould T. Lane and Wendell Butterfield, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application November 25, 1933, Serial No. 699,776
10 Claims. (Cl. 92—43)



2. In a paper making machine, the combination with a head box adapted to contain a supply of stuff, of a flow box in which a foraminous cylinder is mounted, a making wire passing around said cylinder, means for controlling the water level in the cylinder, and means including the head box for maintaining the level of the stuff in the flow box at such a level that stock is flowed over the cylinder and making wire as it leaves the cylinder whereby washing off of the fibers deposited on the making wire is prevented.

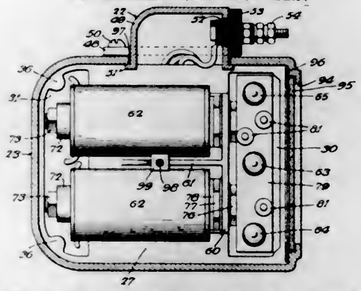
2,046,271
CONTROLLED LEAK FOR PAPER MAKING MACHINES
Gerould T. Lane and Wendell Butterfield, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a corporation of New York
Application October 26, 1935, Serial No. 46,954
12 Claims. (Cl. 92—43)

1. In a paper making machine, the combination with a stuff box, of a cylinder mounted therein, a making wire passing around the cylinder and means for controlling the flow of stuff in the stuff box relatively to the making wire including a dam spaced from the making wire,



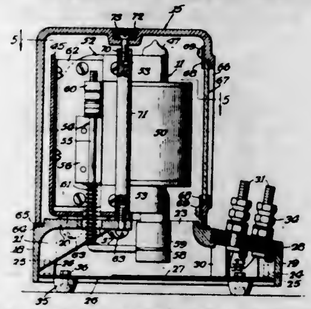
said dam including means for drawing off stuff leaking between the dam and the wire.

2,046,272
MERCURY SWITCH RELAY
Carl H. Larson, Elkhart, Ind., and Daniel J. McCarthy, Elgin, Ill., assignors to The Adlake Company, a corporation of Illinois
Application September 7, 1935, Serial No. 39,608
10 Claims. (Cl. 200—112)



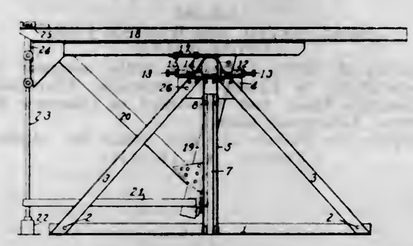
1. In a mercury switch relay, a hollow base, a terminal block within the base, a vertical wall rising from the base, a plurality of horizontally arranged coils supported on one face of the wall, a mercury switch supported on the other face of the wall, an iron circuit associated with the coils and switch, a terminal block projecting upwardly from one side of the base, and a bell cover enclosing the coils and switch but excluding the last-named terminal block.

2,046,273
MERCURY SWITCH RELAY
Carl H. Larson, Elkhart, Ind., assignor to The Adlake Company, a corporation of Illinois
Application October 10, 1935, Serial No. 44,399
10 Claims. (Cl. 200—112)



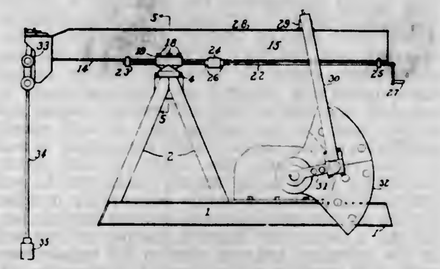
1. In a mercury switch relay, a hollow base having a top wall provided with an opening extending along its forward edge, a sub-unit mounted on the top wall comprising an L-bracket and a plurality of vertical coil units attached to the bracket, a mercury switch associated with each coil unit at least one of said switches projecting downwardly through the opening in the top wall of the base.

2,046,274
PUMPING JACK
Joseph R. Mahan, Toledo, Ohio, assignor to The National-Superior Company, Toledo, Ohio, a corporation of Delaware
Application March 12, 1932, Serial No. 598,401
9 Claims. (Cl. 74—41)



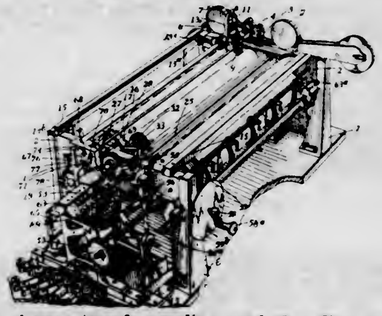
1. In a pumping jack for supporting a walking beam to operate an element suspended in a well, the combination with trunnions extending from either side of the beam, of a pair of supporting frames positioned at either side of the vertical plane in which the beam is to swing, bearings to receive said trunnions and movably mounted on said supports, and screw threaded means to adjust the bearings relative to the supports to center the element in the well.

2,046,275
WALKING BEAM
Joseph R. Mahan, Toledo, Ohio, assignor to The National-Superior Company, Toledo, Ohio, a corporation of Delaware
Application September 28, 1932, Serial No. 635,206
7 Claims. (Cl. 74—41)



1. In a well-pumping unit, the combination of a bearing member arranged to be mounted on a suitable support, a saddle member journaled in said bearing member, a walking beam supported by said saddle member and arranged to be slid longitudinally thereon, means for clamping the beam fixedly to said saddle member, a threaded block carried by said saddle member, and a screw shaft journaled on said beam and screwed through said threaded block whereby when said clamping means are released the walking beam may be moved longitudinally on the saddle by the proper rotation of the shaft.

2,046,276
APPARATUS FOR CODING AND DECODING
Morgan Cyprian McMahon O'Brien, Chelsea, London, England
Application March 30, 1929, Serial No. 351,403
In Great Britain April 4, 1928
21 Claims. (Cl. 197—4)



1. Apparatus for coding and decoding, comprising in combination a frame, aligned type-wheels rotatable and mechanically-operated mounted on a shaft on the frame, a gear wheel mounted with each type-wheel, a series of scatter-wheels with irregularly spaced teeth mounted on a slidable shaft and adapted to be put in and out of operative relation with the type-wheels, means for putting the scatter-wheels in and out of relation with the type-wheels, a movable carriage with printing mechanism to print on the movement from the operator of the carriage over the type-wheels, scatter-wheel actuating means operating after typing on the return movement of the carriage, means to cause said carriage to move over the type-wheels and the printing mechanism to print the message, a selector wheel, mounted on an oscillatory shaft in parallel relation with the shaft of the type-wheels, to engage successive type-wheels and set them to typing position, a key-board mechanism at the front of the apparatus, means connecting the oscillatory shaft with the key-board mechanism, a gear wheel upon the selector wheel shaft to rotate it under the action of depressing the keys of the key-board, a series of geared rack and gear wheels, rotatably mounted and arranged to transmit the drive of the scatter-wheels to the rack wheels and type-wheels so that on the return movement of the movable carriage to the front of the operator the type-wheels and rack wheels are scattered.

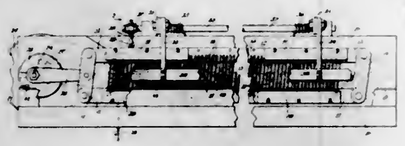
2,046,277
CHLORINATED RUBBER COMPOSITION
Emil Ott, Elsmere, Del., assignor to Hercules Powder Company, Wilmington, Del., a corporation of Delaware
No Drawing. Application February 2, 1935, Serial No. 4,633
12 Claims. (Cl. 106—23)

1. A composition comprising chlorinated rubber and a sulfurized terpene compound.

2,046,278
BOOKBINDING MACHINE
Robert B. M. Taylor, Newark, N. J., assignor, by mesne assignments, to Parallex Corporation, Newark, N. J., a corporation of New Jersey
Application March 25, 1936, Serial No. 70,743
16 Claims. (Cl. 11—1)

9. A book binding machine embodying therein a feed shelf, a rack having a plurality of spaced

presser bars positioned in a plane perpendicular to the plane of said feed shelf, actuating means for said rack whereby said presser bars are moved in relation to said feed shelf while engaging the convolutions of a binding wire of a book upon said feed shelf, to increase the obliquity of the portion of each such convolution projecting beyond the edge of the book, a crank shaft having a plurality of cranks, an arm rigidly secured to a

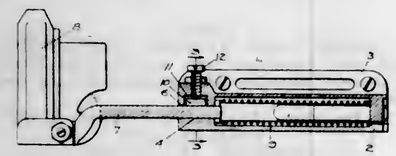


crank upon said shaft, a clamp bar carried by said arm and positioned above said feed shelf, a torsion spring acting upon said shaft, a bearing member carried by another crank upon said shaft, and a roller carried by said bearing member and engaging said rack, whereby said clamp bar is actuated by said springs simultaneously with the movement of the presser bars.

2,046,279
OPEN HEARTH FURNACE
Karl von der Lahr, Dusseldorf, Germany
No Drawing. Application April 10, 1935, Serial No. 15,519½. In Germany July 23, 1934
2 Claims. (Cl. 263—52)

1. A process for improving the melting effect in open hearth furnaces heated with cold purified coke oven gas or purified producer gas, consisting in introducing into and directing through the centre or core of the main gas current a carburizing agent in pulverized form and introducing said carburizing agent at a higher velocity than the main gas current for operating the furnace.

2,046,280
LOOM TEMPLE
Harold W. Waterhouse, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application February 21, 1936, Serial No. 65,100
3 Claims. (Cl. 139—298)

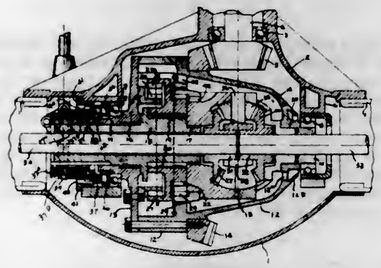


1. A loom temple comprising a housing having a guideway extending longitudinally therethrough, a longitudinally reciprocating temple bar slidably mounted in said guideway, a temple head at the rearward end of said bar, said temple being adapted to be positioned on a loom in such position that the cloth being woven pulls said bar laterally against one wall of said guideway, there being a recess in said wall, and a block of oil-impregnated bearing material removably positioned in said recess in contact with said bar.

2,046,281
COMPOSITION
Charles Sterling Webber, Springfield, and Elbert A. Wilson, Longmeadow, Mass., assignors to The Fiberloid Corporation, Indian Orchard, Mass., a corporation of Massachusetts
No Drawing. Application February 6, 1934, Serial No. 709,988
1 Claim. (Cl. 106—40)

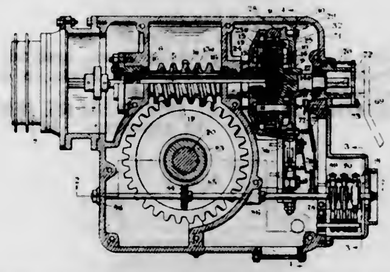
As a new article of manufacture, a plastic composition for use in laminated safety glass comprising cellulose acetate and a eutectic mixture of diethyl phthalate and dimethyl phthalate.

2,046,282
DUAL RATIO MECHANISM FOR AUTOMOBILES
Charles M. Wert, Cleveland, Ohio, assignor of one-third to Frank F. Petznick, Cleveland Heights, Ohio, and one-third to Clarence H. Dray, Lakewood, Ohio
Application March 15, 1935, Serial No. 11,360
5 Claims. (Cl. 74—314)



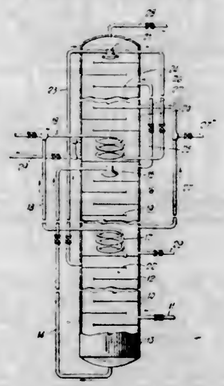
1. In a speed-modifying mechanism, a driving casing, a drive shaft having suitable connection with said casing for rotating the same, axle shafts of the vehicle wheels extending thereinto, said axle shafts operatively connected to a pair of differential gears, a differential casing journalled within said driving casing, differential pinions and an arm therefor serving to connect said differential gears to said differential casing, speed-modifying internal and external gears located to one side of said differential casing and within said driving casing, one of said speed-modifying gears being fixedly connected to said driving casing, and the other of said speed-modifying gears being fixedly connected to said differential casing, a single supporting member having an external eccentric bearing portion, and having a concentric bearing portion on one side of the eccentric bearing portion for engagement with said driving casing and a concentric extended hub portion upon the opposite side of the eccentric bearing portion for engagement with said differential casing, a combination internal-external idler gear journaled upon said eccentric bearing portion of said supporting member and being in mesh with both of the said speed-modifying gears, a clutch means adapted to connect said supporting member to said driving casing for normal speed, and a stationary part into engagement with which said supporting member may be operatively engaged by manipulation of said clutch means for the production of modified speed.

2,046,283
MOTOR DRIVEN POWER UNIT FOR OPERATING VALVES AND THE LIKE
Martin J. Berlyn, Montreal, Quebec, Canada, assignor to Dominion Engineering Works Limited, Lachine, Quebec, Canada
Application September 5, 1935, Serial No. 39,336
8 Claims. (Cl. 192—150)



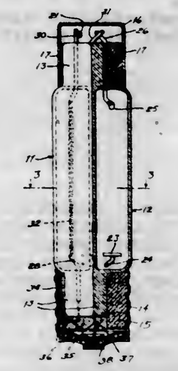
1. In combination, a driving member, a driven member, a driving connection between said members including a rotatable part adapted to render such connection effective or ineffective according to whether said part is restrained or is free to rotate, a restraining element movable to an operative position for restraining said part or to an inoperative position releasing said part for rotation, a collapsible strut adapted to be set to hold the restraining element in its operative position or to be collapsed to permit movement of said element to its releasing position, and means, responsive to the pressure of said rotatable part on said restraining element, for effecting collapse of said strut when the torque on said rotatable part exceeds a predetermined value.

2,046,284
APPARATUS FOR PRODUCING OXYGEN OF HIGH PURITY
George J. Boshkoff, Buffalo, N. Y., assignor, by mesne assignments, to Union Carbide and Carbon Corporation, a corporation of New York
Original application May 18, 1933, Serial No. 671,690, now Patent No. 1,985,763, dated December 25, 1934. Divided and this application August 22, 1934, Serial No. 740,902
5 Claims. (Cl. 62—122)



5. Apparatus for producing oxygen substantially free from high boiling point material, comprising, in combination, a high pressure rectifying column, a pair of low pressure rectifying columns, independent connections leading from respectively different points in the gas space of said high pressure column to substantially the same point in the gas space of one of said low pressure columns, another connection leading from the liquid space of said high pressure column directly to the gas space of the other of said low pressure columns, heat exchanging means disposed in each of said low pressure columns and connected in series in one of said independent connections whereby the uncondensed vapors passing therein supply the heat of fractionation to said low pressure columns, and a common connection arranged to effect free communication between the gas spaces of said low pressure columns.

2,046,285
UNITARY ILLUMINATING DEVICE
Chester H. Braselton, New York, N. Y., assignor to Sirian Lamp Company, Newark, N. J., a corporation of Delaware
Application August 25, 1932, Serial No. 630,382
7 Claims. (Cl. 176—1)

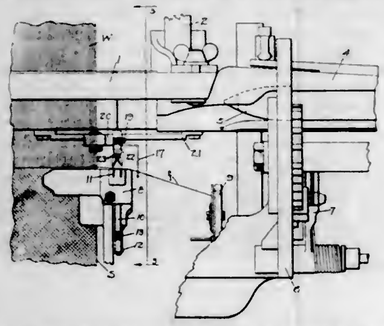


1. In an electric lamp a pair of independent envelopes, a heater filament in each of said envelopes, means to connect said heater filaments together, a pair of resistance elements, means to connect one of said resistance elements to the end of one of said heater elements, means to connect the other of said resistance elements to the other of said heater elements, an electrode in each of said envelopes and spaced from said heater element, means to connect one of said electrodes to the opposite end of one of said resistance elements, and means to connect the other of said electrodes to the opposite end of the other of said resistance elements.

2,046,286
SELVAGE TRIMMING MECHANISM
Carl D. Brown, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application November 7, 1935, Serial No. 48,714
14 Claims. (Cl. 139—266)

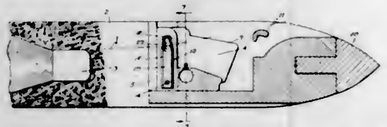
1. In a filling replenishing loom, the combination of selvage trimming means including a movable filling parting member, means normally holding said member stationary in inoperative

position, and means for restoring said member to operation only upon the presentation thereto



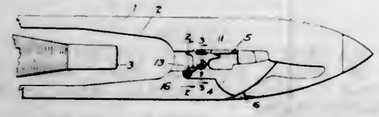
of a filling end in position to be parted thereby.

2,046,287
SHUTTLE
Horace H. Burdett, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application December 21, 1935, Serial No. 55,651
8 Claims. (Cl. 139—217)



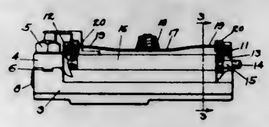
1. An automatically threading loom shuttle having a cavity for a filling carrier, a longitudinally extending thread passage in alignment with said cavity, and a first pick tension device in said thread passage, said tension device being comprised of opposed friction members exerting a slip-grip upon the running filling thread, one end of said tension device being open in a direction laterally of the general direction in which the filling thread normally runs, to thereby provide a thread entrance, the thread contacting surface of the entrance portion of at least one of said members having a series of alternate ridges and grooves which extend at an acute angle to the said direction of the filling thread in a direction to lead the filling thread laterally from said entrance into said tension device.

2,046,288
SHUTTLE TENSION
Harry A. Davis, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application January 24, 1936, Serial No. 60,656
3 Claims. (Cl. 139—216)



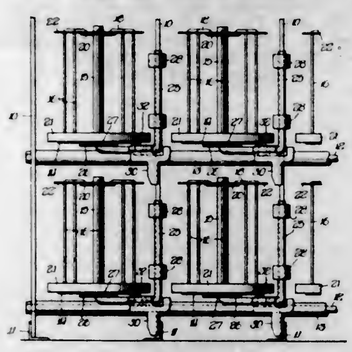
1. A loom shuttle having a threading block provided with a pair of parallel bores, a friction member carried by said threading block, a spring positioned in one of said bores and acting on said member, an adjusting screw threaded into the bore containing said spring for adjusting the tension of the latter, a plunger in the other of said bores, said plunger having a locking portion engageable with said screw for locking the latter against rotation, and a spring in the last said bore engaging said plunger and thereby releasably holding said locking member in locking engagement with said screw.

2,046,289
LOOM TEMPLE
Fredric E. Douglas, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application January 27, 1936, Serial No. 60,899
6 Claims. (Cl. 139—295)



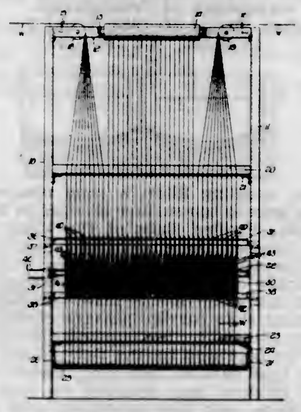
1. A loom temple comprising a pod having a plurality of fabric gripping rollers therein, a cap detachably secured to said pod, a floating roll pin and fabric gripping roller loosely mounted in said cap, a single flat spring extending lengthwise of said cap, said spring intermediate its ends being held stationary by said cap and the ends of said spring being operatively associated with the ends of said roll pin to yieldingly urge the roll pin and the last said roller toward the rollers in said pod, a hanger member at each end of said roll pin, each hanger member being apertured at its lower end to receive said roll pin, and means detachably securing the upper end of each hanger member to an end of said spring.

2,046,290
WIRE RETAINING SPOOL
Noah S. Harter, Waukegan, Ill., assignor to Cyclone Fence Company, Waukegan, Ill., a corporation of Illinois
Application May 26, 1934, Serial No. 727,793
5 Claims. (Cl. 242—129)



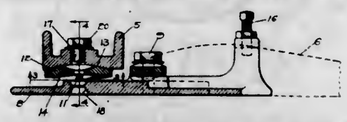
3. In a reel for supporting a coil of wire, a center member, a base secured to said center member, a wire cage secured to said base and center member respectively, and surrounding the center member, said cage including a plurality of wires each having a vertical portion and a horizontal portion forming the body and top of the cage, and a cap plate detachably secured to the horizontal portion of the wire cage.

2,046,291
TENSION CONTROL FOR WIRE WEAVING MACHINES
Noah S. Harter, Waukegan, Ill., assignor to Cyclone Fence Company, Waukegan, Ill., a corporation of Illinois
Application June 20, 1934, Serial No. 731,552
3 Claims. (Cl. 139—353)



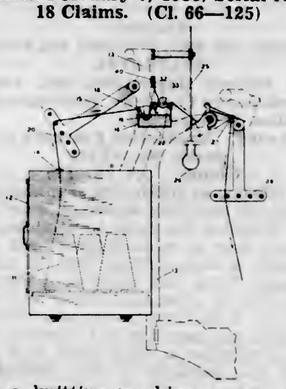
1. In a device of the kind described, a frame for receiving a plurality of warp wires and for delivering said wires to a weaving machine for further operations, spaced means supported by said frame engaging the warp wires and aligning the same transversely of said frame, a tension indicator associated with each warp wire at a point between the spaced means, each tension indicator yieldingly holding the wire out of its normal direction, and said tension indicators holding said wires in alignment transversely of the frame when the tension on the warp wires is substantially uniform, and contact means supported by the frame and normally spaced from the warp wires, said warp wires being adapted to engage the contact means when the tension on the warp wires exceeds a predetermined limit.

2,046,292
LOOM SHUTTLE BOX
Joseph B. Jackson, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a corporation of Maine
Application December 2, 1935, Serial No. 52,490
5 Claims. (Cl. 139—183)



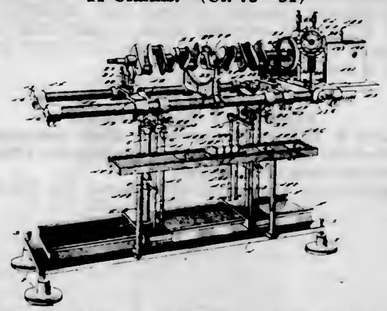
1. In a loom, the combination of a lay adapted to carry a reed, a lay sword, a shuttle box including a back box plate having a shuttle guiding surface, means securing the outer end of said box plate to the lay, means for adjusting the inner end of said box plate both bodily forwardly and rearwardly and rotatively about a horizontal axis extending longitudinally of the lay, said means being comprised of a single element movable about one axis for producing said bodily adjustment and about a different axis for producing said rotative adjustment, and means for fixing said box plate in adjusted position.

2,046,293
YARN TENSION AND MOISTURE CONTROL MEANS FOR KNITTING MACHINES
Freddie H. German, Hawthorne, N. J., assignor to Germer Textile Patents, Inc., Paterson, N. J., a corporation of New Jersey
Application February 7, 1936, Serial No. 62,861
18 Claims. (Cl. 66—125)



1. For a knitting machine, a yarn delivering tension device comprising two or more smooth rolls pressed together only by the weight of the top roll, the weight of the upper roll being of the order of the desired yarn tension, in combination with a frame guiding the yarn between the rolls and holding the rolls in place, the upper roll being free to revolve in the direction of yarn movement.

2,046,294
APPARATUS FOR BALANCING ROTATABLE BODIES
Jacob Lundgren, Philadelphia, Pa., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa., a corporation of Pennsylvania
Application May 16, 1931, Serial No. 537,848
11 Claims. (Cl. 73—51)



2. In a balancing machine, comprising a carrier revoluble in predetermined speed relationship with a revoluble specimen under test, a compensating weight having rectilinear movement in the carrier at an angle to the axis of revolution of the carrier, a screw intergeared with said weight, a friction wheel in fixed relation with said screw, and electromagnetic means controlled by the operator to drive said friction wheel in a forward or a reverse direction.

4. In a balancing machine, a vibratory support for the specimen to be tested, means to revolve the specimen on said support, an angle indicator means controlled by the vibratory movement of said support in one direction to visibly indicate

on said angle indicator an arc of sparks indicative of the angle of unbalance in the specimen, an unbalance compensator, and means under the control of the operator to indicate a second arc of sparks on said angle indicator which indicates the angular position of the unbalance compensator.

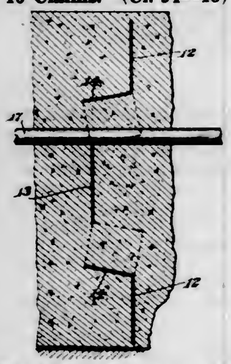
2,046,295
METHOD OF PRODUCING GRANULAR MATERIAL
Ernest H. Nichols, Hagerstown, Md., assignor to The Funkhouser Company, Hagerstown, Md., a corporation of Maryland
No Drawing. Application February 5, 1936, Serial No. 62,549
5 Claims. (Cl. 25—156)

1. The method of producing granular material comprising the selecting of one or more siliceous minerals, reducing the same to particles of relatively small size or sizes, mixing said particles with a clay, a flux, and a fluid to produce a plastic mass, firing the mass at a temperature and for a time to produce a glassy matrix of the clay and flux filling the interspaces between the siliceous mineral particles and binding the same together to produce a dense base, and crushing said base into particles of the desired size or sizes.

2,046,296
ACOUSTICAL PAINT
Carlisle K. Roos, Wheaton, James S. Offutt, Chicago, and Herman A. Schols, Oak Park, Ill., assignors to United States Gypsum Co., Chicago, Ill., a corporation of Illinois
No Drawing. Application May 31, 1930, Serial No. 458,926
12 Claims. (Cl. 134—46)

7. An acoustical composition comprising 30 to 37% of a mineral and vegetable fibrous material precoated with a mixture containing a binding material selected from the group consisting of farinaceous paste, gum arabic, casein and sodium silicate solution, 39.7 to 50.1% of an inert filler selected from the group consisting of granular pumice, marble, burned clay, pyrophyllite, and silica, gas forming agents comprising carbonates and acid salts, a water absorbent gum, and a preservative.

2,046,297
ROADWAY JOINT STRIP
Walter F. Schulz, Youngstown, Ohio, assignor to Truscon Steel Company, Youngstown, Ohio, a corporation of Michigan
Application August 16, 1933, Serial No. 685,480
16 Claims. (Cl. 94—18)



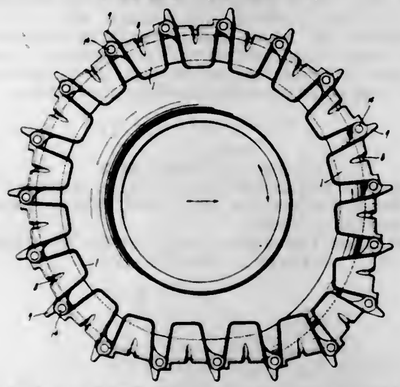
1. A roadway joint strip of metal comprising relatively offset metal strip sections, and an open lattice-like continuous web connecting adjacent offset marginal portions of such sections.

2,046,298
FILTER TILE
Charles J. Woods, Syracuse, N. Y., assignor to National Fireproofing Corporation, Pittsburgh, Pa., a corporation of Pennsylvania
Application August 31, 1933, Serial No. 687,624
2 Claims. (Cl. 210—148)



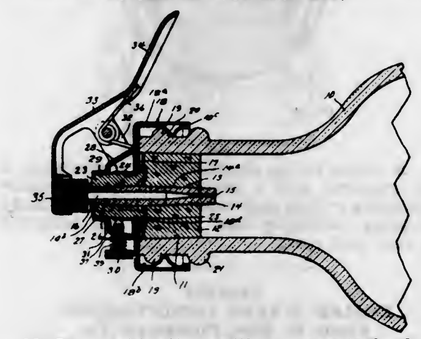
1. In a trickling filter, a rigid concrete floor having a smooth top surface grooved to form under drains, vitrified slabs of the shape of said grooves disposed therein, vitrified spacing slabs disposed between said grooved slabs, and a series of integrally formed grill and trough blocks mounted end to end on said floor, said blocks having aligning slots for the passage of the effluent from a trickling filter bed supported by the blocks toward the floor and having flat top and bottom surfaces that parallel said floor spaced from the floor by integral legs mounted on said vitrous spacing slabs, said legs combining with the bottom surface of the blocks to form an arched under drain to carry the filtered effluent toward the final disposal point.

2,046,299
CRAWLER WHEEL LINK
Arthur P. Armington, Willoughby, Ohio, assignor to The Euclid Road Machinery Company, Euclid, Ohio, a corporation of Ohio
Application August 31, 1934, Serial No. 742,212
6 Claims. (Cl. 305—10)



5. A tread link for pneumatic tire application in an endless tread linkage of articulated similar links, said link comprising a body including an intermediate wall part of substantially greater width than length in the linkage and transversely curved to provide a seat for a tire, and a longitudinally spaced, transversely disposed, pair of end wall parts extending divergently downwardly from the the forward and rearward extremities of said intermediate wall part, said intermediate wall part having rib means transversely extending across the central part of said curvature intermediate said end wall parts, and hinge means secured to said end wall parts and providing for hinged relation with similar links about axes substantially tangent to said curvature, and including a hinge lug having a portion projecting inwardly into the trough defined by said intermediate wall part substantially coextensively with said rib means.

2,046,300
DEVICE FOR ADMINISTERING VOLATILE LIQUID ANESTHETICS
James J. Benner, Maple Heights, Ohio, assignor to The Gebauer Chemical Company, Cleveland, Ohio, a corporation of Ohio
Application January 17, 1935, Serial No. 2,242
12 Claims. (Cl. 128—188)



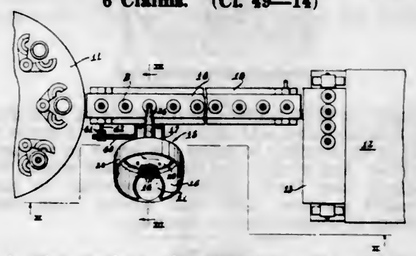
10. In combination with a receptacle for a volatile liquid, a nozzle connected with said receptacle and having a passage therethrough, a lever having a closure adapted to be brought into and out of engagement with the delivery end of said nozzle, a spring tending to hold said closure in engagement with the delivery end of said nozzle, and an impeding device comprising a member having angularly disposed legs one of which is adapted to be moved into obstructing position with relation to the delivery end of the nozzle, means pivotally supporting the other leg of said member, and a spring cooperating with the last mentioned leg and tending to move the first-mentioned leg out of register with the delivery end of said nozzle.

2,046,301
SLUG CASTING MOLD
Einar G. Klingberg, Long Island City, and David L. Anderson, Brooklyn, N. Y., assignors to Intertype Corporation, Brooklyn, N. Y., a corporation of New York
Application September 17, 1935, Serial No. 40,968
15 Claims. (Cl. 199—57)



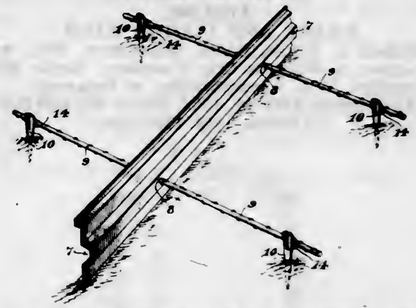
1. In or for a slug casting machine having a longitudinally slotted mold for casting slugs therein and means for ejecting the slugs from the mold in a direction transversely thereof, a mold comprising spaced members forming a slug casting slot between them, a liner between said members for closing an end of said casting slot, and means connecting the portion of said liner adjacent to its inner casting end directly to one of said mold members irrespective of the position of the inner end of the liner longitudinally of the mold to secure the inner end of the liner against displacement transversely of the mold.

2,046,302
METHOD AND APPARATUS FOR SURFACE TREATING GLASS CONTAINERS
Urban E. Bowes, Toledo, Ohio, assignor to Owens-Illinois Glass Company, a corporation of Ohio
Application December 26, 1935, Serial No. 56,204
6 Claims. (Cl. 49—14)



1. The method of neutralizing the alkalinity of the interior surface of a hollow ceramic article which consists in depositing in the article while the latter is hot, a pellet, which when subjected to the heat of the article, fires and creates an acidic gas.

2,046,303
TIE ROD HOLDING STAKE
Bernard C. Briody, Youngstown, Ohio, assignor to Truscon Steel Company, Youngstown, Ohio, a corporation of Michigan
Application January 25, 1935, Serial No. 3,510
2 Claims. (Cl. 94—8)

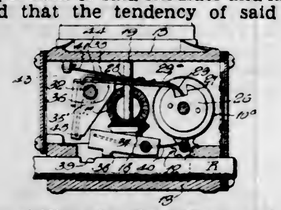


1. A tie rod holding stake for concrete roadways and the like comprising a longitudinally tapered channeled shank of sheet metal adapted to have its smaller end driven into the supporting base, its larger end providing a driving head, said shank having a longitudinal portion of its ridge between its ends struck out to provide a downturned hook whose upper end is connected to the shank, said hook being transversely bent and being adapted to engage over the tie rod.

2,046,304
AUTOMATIC CONTROL MEANS
Walter S. Brubaker and Armas J. Saarinen, San Francisco, Calif., assignors to Granberg Meter Corporation, San Francisco, Calif., a corporation of California
Application September 26, 1934, Serial No. 745,628
8 Claims. (Cl. 235—132)

1. In a control mechanism having a shiftable member and means urging said member to shift

in one direction, said mechanism also having driven control wheels; a shoulder on said shiftable member and a latch abutting said shoulder to normally hold said member against shifting in said one direction until said latch is released the abutting portions of said shoulder and latch being so shaped that the tendency of said shiftable

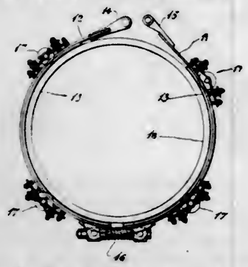


member to shift under the influence of said urging means causes said shoulder to exert a force on said latch tending to move the latter to released position, and means controlled by said wheels for holding said latch against movement to said released position until said wheels have been rotated to predetermined positions.

2,046,305
WATERPROOFING COMPOSITION AND METHOD OF WATERPROOFING FABRIC
John B. Cleaveland, East Orange, N. J.
No Drawing. Application March 6, 1934, Serial No. 714,267
8 Claims. (Cl. 91—70)

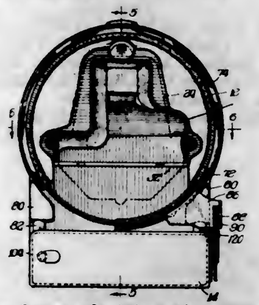
7. The method of waterproofing fabric, etc. which comprises applying thereto an aqueous emulsion containing a diglyco ester of a higher fatty acid and a soluble metal salt forming an insoluble soap and heating the fabric to bring about reaction between the metal salt and the diglyco ester to form an insoluble soap.

2,046,306
BRAKE AND CLUTCH BAND
Mitchell L. Fykse, South Milwaukee, Wis., assignor to Bucyrus-Erie Company, South Milwaukee, Wis., a corporation of Delaware
Application July 14, 1933, Serial No. 680,359
9 Claims. (Cl. 188—259)



1. In a brake-band, the combination of: two band-sections; linings therefor; an arcuate guide carried by one section; an arcuate guided portion carried by the other section, and coacting with the arcuate guide of the first section; means carried by the first section, contacting the guided portion of the second section, and constraining it against material departure from the guide of the first section; means for adjusting the gap between the two sections; means carried by each section, and bearing against the brake drum (which cooperates with the brake-band), and adjustable to cause a desired degree of clearance of the band when released; the whole being so contrived as to constrain the band to release uniformly.

2,046,307
ELECTRIC METER
Frederick Holmes, La Fayette, Ind., assignor to Duncan Electric Mfg. Co., La Fayette, Ind., a corporation of Illinois
Application July 16, 1934, Serial No. 735,312
16 Claims. (Cl. 171—34)

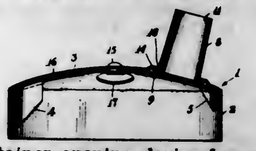


5. A casing for an electric meter comprising: a base member, and a cover; said base member telescoping within said cover and having a flange extending outwardly and around and telescoping over said cover.

2,046,308
BOILER WATER CONDITIONING
Cyrus W. Rice, Pittsburgh, Pa.
No Drawing. Application June 8, 1935, Serial No. 25,696
1 Claim. (Cl. 210—23)

The method herein described of conditioning boiler water and steam generated therefrom which comprises deoxidizing the water by the reducing action of ammonium phosphite thereon, by sequential reactions of the phosphate produced by oxidation in the boiler water removing from the water the encrustation forming content thereof, and in the sequential reactions of the phosphate produced by oxidation of ammonium phosphite liberating ammonia to pass from the boiler with steam generated in the boiler.

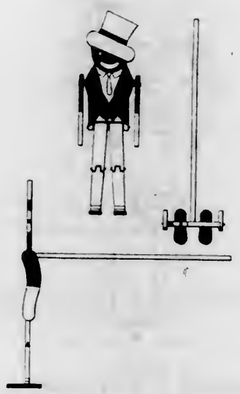
2,046,309
CONTAINER OPENING DEVICE
John D. Webber, Bayonne, N. J., assignor to Cemco Engineering and Manufacturing Corporation, New York, N. Y., a corporation of New York
Application June 22, 1933, Serial No. 677,001
5 Claims. (Cl. 221—23)



4. A container opening device for use upon a substantially cylindrical container, comprising a cup-like cover adapted to fit snugly over the container to be opened, a rotatable disc secured upon the inside of said cover and adapted to overlie said container when the device is in position thereon, and a knife assembly mounted directly upon said disc so that when the knives are placed in position for opening the container, simple pressure will be effective to cause said knives to puncture said container and will allow the cover to be freely rotated.

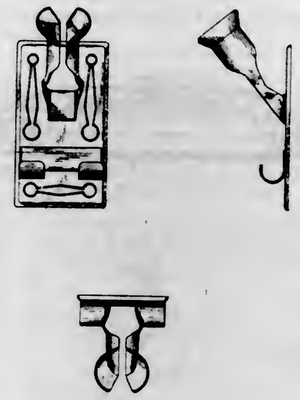
DESIGNS
JUNE 30, 1936

100,187
DESIGN FOR A FIGURE TOY
Lawrence R. Adrian, Iowa City, Iowa
Application April 15, 1936, Serial No. 62,139
Term of patent 3½ years



The ornamental design for a figure toy as shown.

100,188
DESIGN FOR A CIGAR AND CIGARETTE HOLDER
Henry Alberg, Millstadt, Ill.
Application December 21, 1935, Serial No. 60,216
Term of patent 3½ years



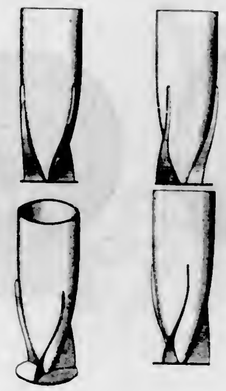
The ornamental design for a cigar and cigarette holder, as shown.

100,189
DESIGN FOR A HOT AIR GUN
Frans O. Albertson, Sioux City, Iowa, assignor to Albertson & Company, Inc., Sioux City, Iowa, a corporation of Iowa
Application February 28, 1936, Serial No. 61,403
Term of patent 14 years



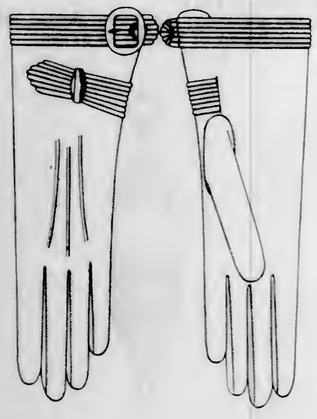
The ornamental design for a hot air gun, as shown and described.

100,190
DESIGN FOR A CUP OR SIMILAR ARTICLE
Jack G. Allen, Chicago, Ill., assignor to F. H. Noble & Co., Chicago, Ill., a corporation of Illinois
Application May 13, 1936, Serial No. 62,614
Term of patent 7 years



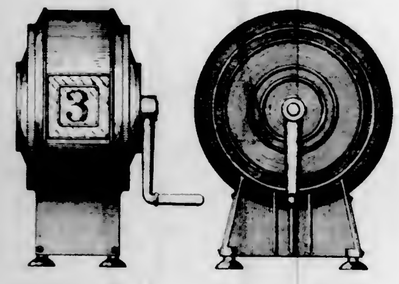
The ornamental design for a cup or similar article, as shown.

100,191
DESIGN FOR A GLOVE
Enzo Ardizone, New York, N. Y.
Application June 3, 1936, Serial No. 62,976
Term of patent 3½ years



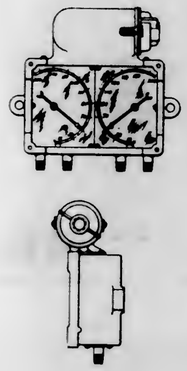
The ornamental design for a glove, substantially as shown.

100,192
DESIGN FOR A NONREPEATING INDICATOR
Alfred R. Babcock, Chicago, Ill.
Application April 30, 1936, Serial No. 62,390
Term of patent 7 years



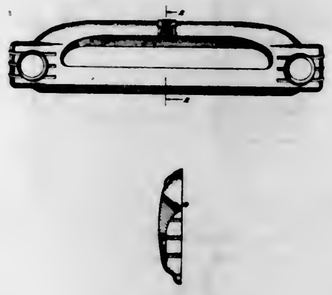
The ornamental design for a non-repeating indicator, as shown.

100,193
DESIGN FOR AN ILLUMINATED GAUGE
Harry S. Baker, Arlington, and Joseph W. Motherwell, Melrose, Mass., assignors to The Ashton Valve Company, Cambridge, Mass., a corporation of Massachusetts
Application May 11, 1936, Serial No. 62,598
Term of patent 14 years



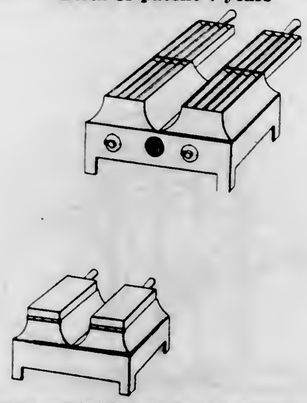
The ornamental design for an illuminated gauge, as shown.

100,194
DESIGN FOR AN ESCUTCHEON PLATE
George A. Beck, Bridgeport, Conn., assignor to General Electric Company, a corporation of New York
Application November 29, 1935, Serial No. 59,811
Term of patent 3½ years



The ornamental design for an escutcheon plate substantially as shown.

100,195
DESIGN FOR AN ELECTRIC ROLL BAKER OR SIMILAR ARTICLE
William Dallas Bellamy, Henderson, Tex., assignor of one-half to Ollie Thompson Brightwell, Henderson, Tex.
Application February 27, 1936, Serial No. 61,393
Term of patent 7 years



The ornamental design for an electric roll baker or similar article as shown.

100,196
DESIGN FOR A SLIPPER
Israel Berman, Little Falls, N. Y.
Application May 28, 1936, Serial No. 62,887
Term of patent 3½ years



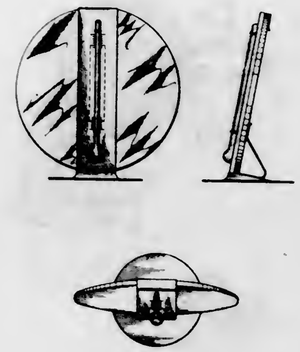
The ornamental design for a slipper substantially as shown.

100,197
DESIGN FOR AN EMBOSSED HOT DISH MAT OR SIMILAR ARTICLE
Nelson C. Brewer, Chicago, Ill., assignor to Chas. A. Brewer & Sons, Chicago, Ill.
Application April 9, 1936, Serial No. 62,022
Term of patent 3½ years



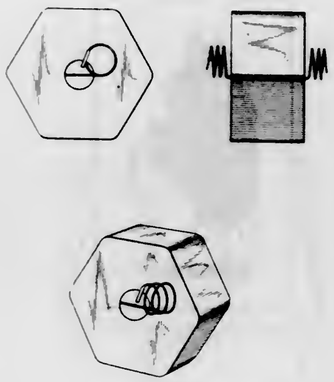
The ornamental design for an embossed hot dish mat, or similar article, as shown.

100,198
DESIGN FOR A THERMOMETER
H. Brainard Brown, Rochester, N. Y.
Application May 2, 1936, Serial No. 62,438
Term of patent 14 years



The ornamental design for a thermometer, as shown.

100,199
DESIGN FOR A DRY CELL BATTERY
Charles F. Burgess, Bokeelia, Fla., assignor to Burgess Battery Company, Madison, Wis., a corporation of Wisconsin
Application December 14, 1935, Serial No. 60,080
Term of patent 14 years



The ornamental design for a dry cell battery, substantially as shown and described.

100,200
DESIGN FOR A FISH BOWL
Samuel J. Carnes, Camden, Ark.
Application May 22, 1936, Serial No. 62,764
Term of patent 3½ years



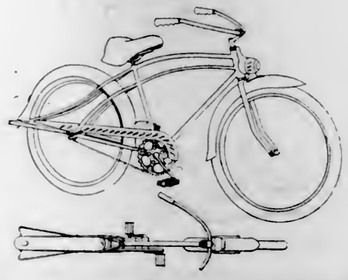
The ornamental design for a fish bowl, as shown and described.

100,201
DESIGN FOR A PLAQUE OR SIMILAR ARTICLE
Sinclair W. Chiles, Bethlehem, Pa.
Application December 5, 1935, Serial No. 59,927
Term of patent 3½ years



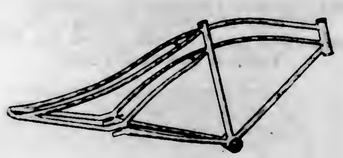
The ornamental design for a plaque or similar article as shown.

100,202
DESIGN FOR A BICYCLE
John W. Clements, Richmond, Ind., assignor to The Huffman Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application April 1, 1936, Serial No. 61,888
Term of patent 14 years



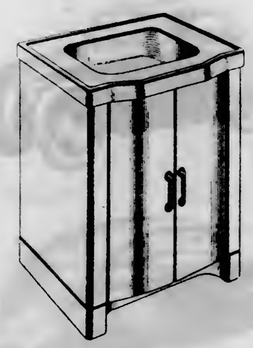
The ornamental design for a bicycle, substantially as shown and described.

100,203
DESIGN FOR A BICYCLE FRAME
John W. Clements, Richmond, Ind., assignor to The Huffman Manufacturing Company, Dayton, Ohio, a corporation of Ohio
Application April 1, 1936, Serial No. 61,889
Term of patent 14 years



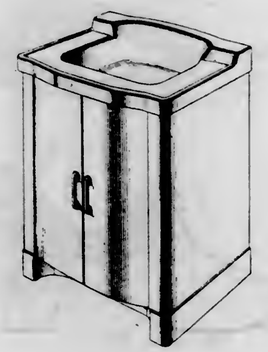
The ornamental design for a bicycle frame, substantially as shown and described.

100,204
DESIGN FOR A LAVATORY CABINET OR SIMILAR ARTICLE
Harry G. Coordes, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application May 18, 1936, Serial No. 62,716
Term of patent 14 years



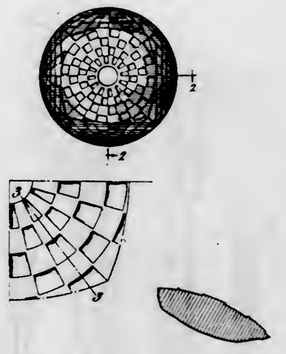
The ornamental design for a lavatory cabinet or similar article, substantially as shown.

100,205
DESIGN FOR A LAVATORY CABINET OR SIMILAR ARTICLE
Harry G. Coordes, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a corporation of Michigan
Application May 18, 1936, Serial No. 62,717
Term of patent 14 years



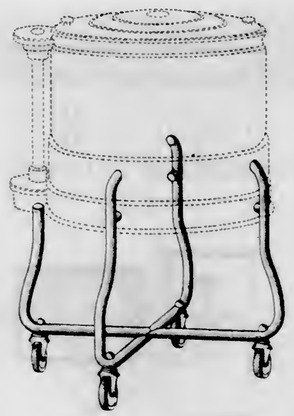
The ornamental design for a lavatory cabinet or similar article, substantially as shown.

100,206
DESIGN FOR A GOLF BALL OR THE LIKE
Henry K. B. Davis, Springfield, Mass.
Application February 20, 1936, Serial No. 61,261
Term of patent 14 years



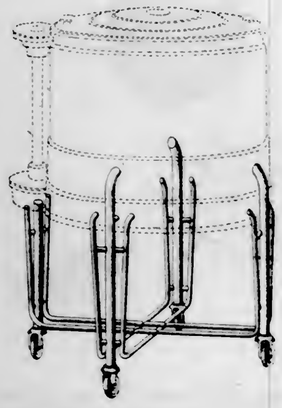
The ornamental design for a golf ball or the like substantially as shown and described.

100,207
DESIGN FOR A WASHING MACHINE OR THE LIKE
Clark A. Depue, Clinton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware
Application March 26, 1936, Serial No. 61,798
Term of patent 7 years



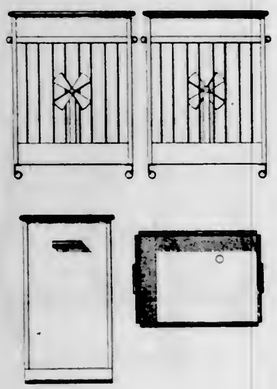
The ornamental design for a washing machine or the like substantially as shown and described.

100,208
DESIGN FOR A WASHING MACHINE OR THE LIKE
Clark A. Depue, Clinton, Iowa, assignor to The Maytag Company, Newton, Iowa, a corporation of Delaware
Application March 26, 1936, Serial No. 61,799
Term of patent 7 years



The ornamental design for a washing machine or the like substantially as shown and described.

100,209
DESIGN FOR A PORTABLE AIR CONDITIONING APPARATUS
William H. Fabry, Alhambra, Calif.
Application May 11, 1936, Serial No. 62,594
Term of patent 7 years



The ornamental design for a portable air conditioning apparatus substantially as shown.

100,210
DESIGN FOR AN AUTOMOBILE
Douglas Frederick Harold Fitzmaurice, London, England
Application February 14, 1936, Serial No. 61,177
In Great Britain May 29, 1935
Term of patent 14 years



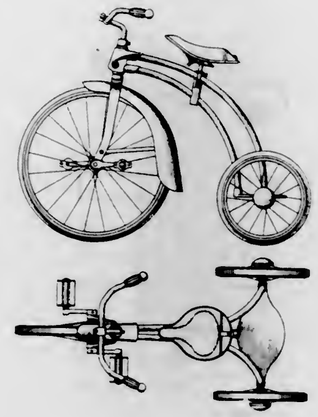
The ornamental design for an automobile as shown.

100,211
DESIGN FOR A SLIPPER
Louis E. Friedman, Brooklyn, N. Y.
Application May 26, 1936, Serial No. 62,834
Term of patent 3½ years



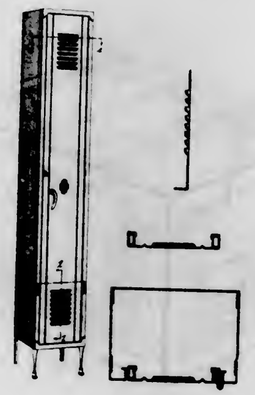
The ornamental design for a slipper, substantially as shown.

100,212
DESIGN FOR A TRICYCLE
Harry H. Henry, Chicago, Ill., assignor to Battery Patents Corporation, Chicago, Ill., a corporation of Illinois
Application May 1, 1936, Serial No. 62,411
Term of patent 14 years



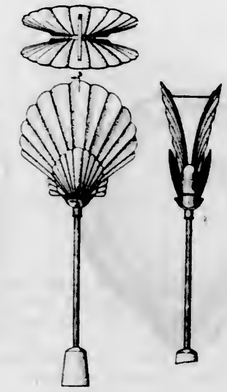
The ornamental design for a tricycle, as shown.

100,213
DESIGN FOR A METAL LOCKER OR SIMILAR ARTICLE
Carl A. Johnson, Jamestown, N. Y., assignor to Art Metal Construction Company, Jamestown, N. Y.
Application June 7, 1934, Serial No. 52,091
Term of patent 7 years



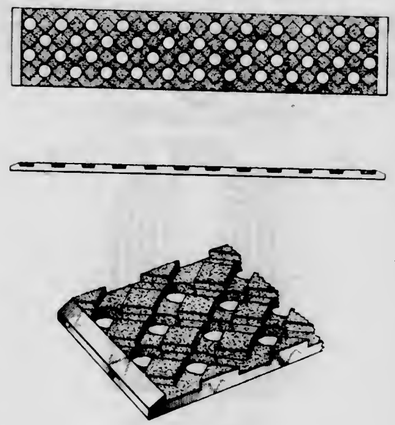
The ornamental design for a metal locker or similar article, substantially as shown and described.

100,214
DESIGN FOR A DISPLAY SIGN
William E. Joost, Oakland, Calif.
Application December 31, 1935, Serial No. 60,361
Term of patent 3½ years



The ornamental design for a display sign substantially as shown.

100,215
DESIGN FOR A SAFETY TREAD PLATE
John M. Klipfel, Elizabeth, N. J., assignor to Socony-Vacuum Oil Company, Incorporated, New York, N. Y., a corporation of New York
Application April 15, 1936, Serial No. 62,141
Term of patent 14 years



The ornamental design for a safety tread plate as shown.

100,216
DESIGN FOR AN AUTOMOBILE RADIO SPEAKER UNIT
John H. Little, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a corporation of Delaware
Application December 2, 1935, Serial No. 59,871
Term of patent 7 years



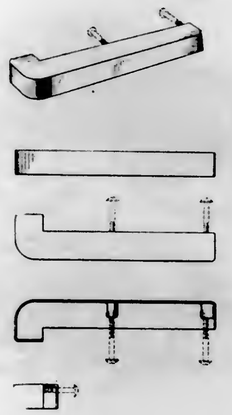
The ornamental design for an automobile radio speaker unit, substantially as shown.

100,217
DESIGN FOR A BOTTLE
Arnold I. Lorenzen, Toledo, Ohio, assignor to Owens-Illinois Glass Company, Toledo, Ohio, a corporation of Ohio
Application April 29, 1936, Serial No. 62,367
Term of patent 14 years



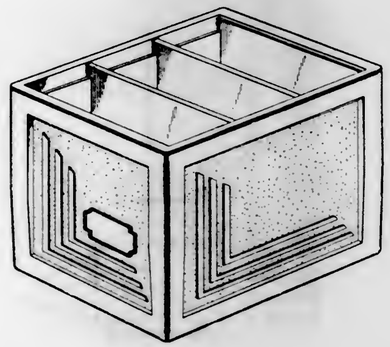
The ornamental design for a bottle substantially as shown.

100,218
DESIGN FOR A DRAWER PULL
Raymond H. Martin, Bridgeport, Conn., assignor to The Bassick Company, Bridgeport, Conn., a corporation of Connecticut
Application April 24, 1936, Serial No. 62,279
Term of patent 3½ years



The ornamental design for a drawer pull, as shown.

100,219
DESIGN FOR A STORAGE BATTERY CONTAINER
Joseph G. Monnin, San Leandro, Calif.
Application May 16, 1936, Serial No. 62,683
Term of patent 7 years



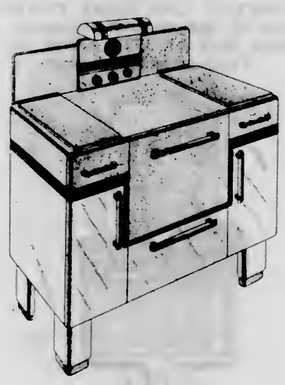
The ornamental design for a storage battery container substantially as shown and described.

100,220
DESIGN FOR A SLED
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application March 27, 1936, Serial No. 61,810
Term of patent 7 years



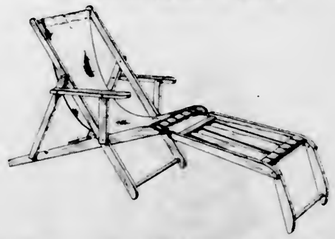
The ornamental design for a sled, as shown.

100,221
DESIGN FOR A COOK STOVE
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application April 4, 1936, Serial No. 61,946
Term of patent 7 years



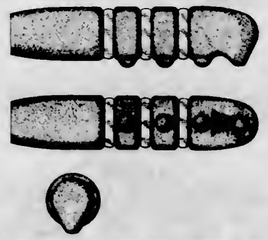
The ornamental design for a cook stove, as shown and described.

100,222
DESIGN FOR A DECK CHAIR
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application April 15, 1936, Serial No. 62,132
Term of patent 7 years



The ornamental design for a deck chair, as shown.

100,223
DESIGN FOR A HANDLE BAR GRIP
John R. Morgan, Oak Park, Ill., assignor to Sears, Roebuck and Co., Chicago, Ill., a corporation of New York
Application April 24, 1936, Serial No. 62,270
Term of patent 7 years



The ornamental design for a handle bar grip, as shown.

100,224
DESIGN FOR A DRESS
Mary Mullen, Philadelphia, Pa., assignor to Rosenau Bros. Inc., Philadelphia, Pa., a corporation of Pennsylvania
Application May 6, 1936, Serial No. 62,497
Term of patent 3½ years



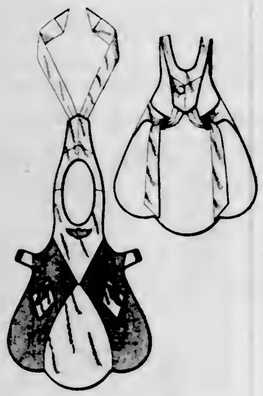
The ornamental design for a dress as shown and described.

100,225
DESIGN FOR A SINK BRUSH
Clyde A. Porter, Aurora, Ill.
Application May 13, 1935, Serial No. 56,802
Term of patent 14 years



The ornamental design for a sink brush, as shown and described.

100,226
DESIGN FOR AN APRON
Ada Quinn, Ogden, Utah
Application July 20, 1935, Serial No. 57,767
Term of patent 7 years



The ornamental design for an apron, as shown and described.

100,227
DESIGN FOR A SHOE
Harry Sobel, New York, N. Y.
Application May 28, 1936, Serial No. 62,885
Term of patent 3½ years



The ornamental design for a shoe, substantially as shown.

100,228
DESIGN FOR A SHOE
Harry Sobel, New York, N. Y.
Application May 28, 1936, Serial No. 62,886
Term of patent 3½ years



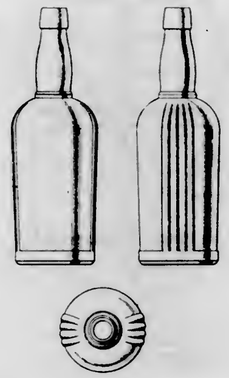
The ornamental design for a shoe, substantially as shown.

100,229
DESIGN FOR A COMBINED ORNAMENTAL DISPLAY AND NAME PLATE
Bernard M. Solomon, Montgomery, Ala.
Application May 23, 1936, Serial No. 62,797
Term of patent 7 years



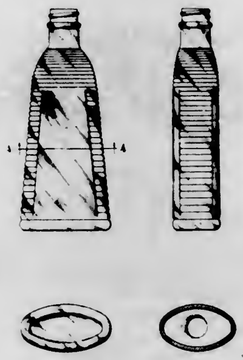
The ornamental design for a combined ornamental display and name plate, substantially as shown and described.

100,230
DESIGN FOR A BOTTLE
James S. Steelman, Millville, N. J., assignor to Whitall Tatum Company, Millville, N. J., a corporation of New Jersey
Application May 7, 1936, Serial No. 62,527
Term of patent 14 years



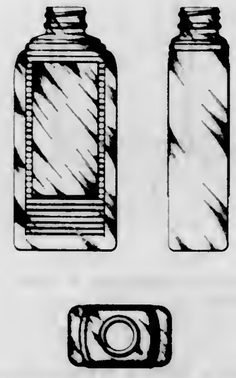
The ornamental design for a bottle as shown.

100,231
DESIGN FOR A BOTTLE
John H. Steuernagle, Du Bois, Pa., assignor to Brockway Glass Company, Inc., Brockway, Pa.
Application May 2, 1936, Serial No. 62,436
Term of patent 7 years



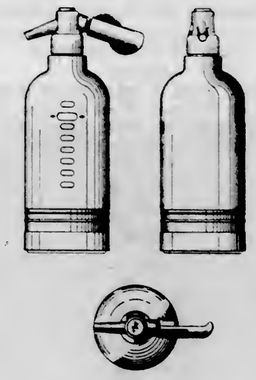
The ornamental design for a bottle substantially as shown and described.

100,232
DESIGN FOR A BOTTLE
John H. Steuernagle, Du Bois, Pa., assignor to Brockway Glass Company, Inc., Brockway, Pa.
Application May 2, 1936, Serial No. 62,437
Term of patent 7 years



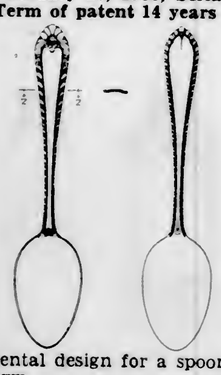
The ornamental design for a bottle substantially as shown and described.

100,233
DESIGN FOR A SIPHON BOTTLE
Archie Towart, Jr., West Caldwell, N. J., assignor to Walter Kidde Sales Company, Bloomfield, N. J., a corporation of Delaware
Application May 1, 1936, Serial No. 62,402
Term of patent 7 years



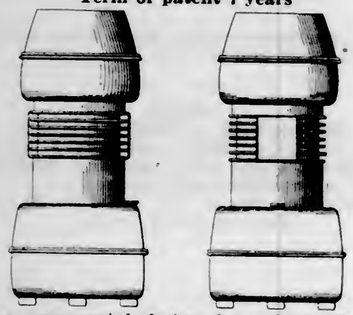
The ornamental design for a siphon bottle as shown and described.

100,234
DESIGN FOR A SPOON OR SIMILAR ARTICLE
George L. Turner, Taunton, Mass., assignor to Reed & Barton, Taunton, Mass., a corporation of Massachusetts
Application February 10, 1936, Serial No. 61,074
Term of patent 14 years



The ornamental design for a spoon or similar article as shown.

100,235
DESIGN FOR A HUMIDIFIER
Carl G. Vretman, Atlanta, Ga.
Application May 9, 1936, Serial No. 62,579
Term of patent 7 years



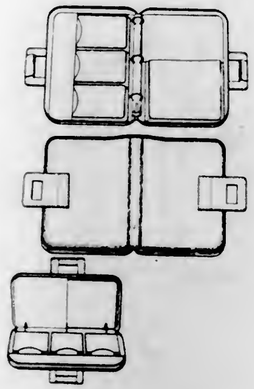
The ornamental design for a humidifier, as shown.

100,236
DESIGN FOR A DIAMOND TOOL
Selden G. Warner, West Orange, N. J.
Application April 16, 1936, Serial No. 62,155
Term of patent 14 years



The ornamental design for a diamond tool, as shown.

100,237
DESIGN FOR A BRIEF CASE
John P. Wege, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a corporation of Minnesota
Application January 24, 1936, Serial No. 60,762
Term of patent 3½ years



The ornamental design for a brief case, as shown and described.

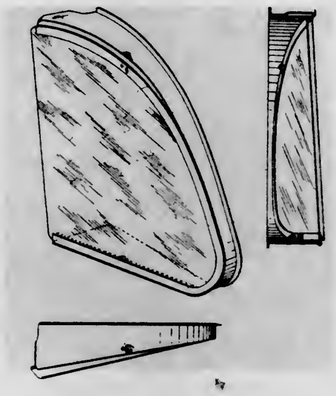
100,238
DESIGN FOR A PLATE OR SIMILAR ARTICLE
John T. Wigley, Syracuse, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a corporation of New York
Application May 5, 1936, Serial No. 62,485
Term of patent 14 years



The ornamental design for a plate or similar article, substantially as shown and described.

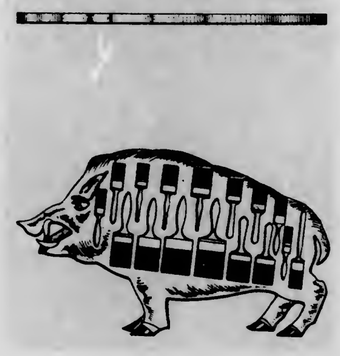
CARNEGIE LIBRARY OF ATLANTA

100,239
DESIGN FOR A MOTOR VEHICLE VENTILATOR
Emmett E. Woodward, San Mateo, and James P. Callahan, San Francisco, Calif.; said Woodward assignor to said Callahan
Application November 11, 1935, Serial No. 59,476
Term of patent 7 years



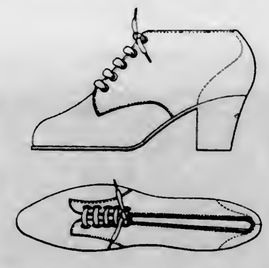
The ornamental design for a motor vehicle ventilator, substantially as shown.

100,240
DESIGN FOR A COMBINED ADVERTISING DISPLAY STAND AND BRUSHES THEREFOR
Ernest B. Wright, Montclair, N. J., assignor to Hanlon & Goodman Co., Belleville, N. J., a corporation of New York
Application February 19, 1936, Serial No. 61,235
Term of patent 14 years



The ornamental design for a combined advertising display stand and brushes therefor, as shown.

100,241
DESIGN FOR A BOOTEE
Harland F. Wright, New York, N. Y.
Application May 26, 1936, Serial No. 62,842
Term of patent 3½ years



The ornamental design for a bootee, substantially as shown.

100,242
DESIGN FOR A BOOTEE
Harland F. Wright, New York, N. Y.
Application May 26, 1936, Serial No. 62,843
Term of patent 3½ years



The ornamental design for a bootee, substantially as shown.

100,243
DESIGN FOR A LACE
George M. Boysen, Philadelphia, Pa.
Application June 6, 1936, Serial No. 63,076
Term of patent 3½ years



The ornamental design for a lace, substantially as shown and described.

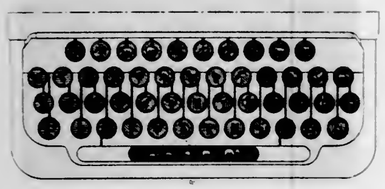
100,244
DESIGN FOR A LACE
George M. Boysen, Philadelphia, Pa.
Application June 6, 1936, Serial No. 63,077
Term of patent 3½ years



The ornamental design for a lace, substantially as shown and described.

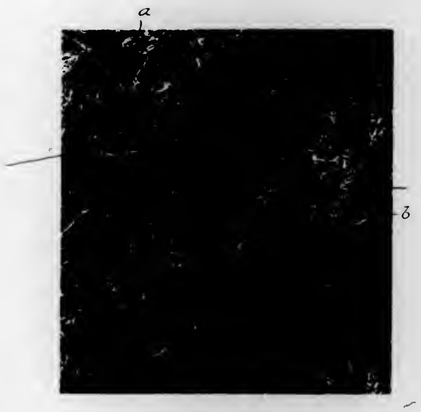
100,245
DESIGN FOR A TYPEWRITING MACHINE
Myrtle R. Keller, Syracuse, N. Y., assignor to L. C. Smith & Corona Typewriters, Inc., Syracuse, N. Y., a corporation of New York
Application May 16, 1936, Serial No. 62,675
Term of patent 14 years





The ornamental design for a typewriting machine, as shown, and described.

100,246
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Paul Reiman, New York, N. Y.
Application May 2, 1936, Serial No. 62,444
Term of patent 3½ years



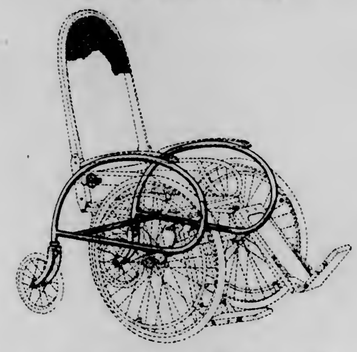
The ornamental design for a textile fabric or similar article as shown and described.

100,247
DESIGN FOR A TEXTILE FABRIC OR SIMILAR ARTICLE
Paul Reiman, New York, N. Y.
Application May 2, 1936, Serial No. 62,445
Term of patent 3½ years



The ornamental design for a textile fabric or similar article as shown and described.

100,248
DESIGN FOR AN INVALID CHAIR
Mayo E. Roe, Elyria, and Wilbur Henry Adams, Cleveland, Ohio, assignors to The Colson Corporation, Elyria, Ohio, a corporation of Ohio
Application April 29, 1936, Serial No. 62,379
Term of patent 7 years



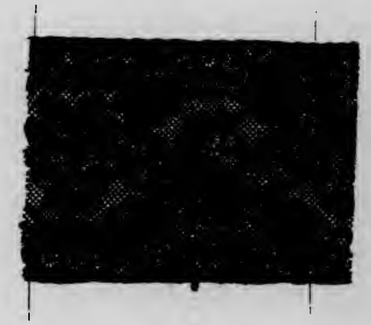
The ornamental design for an invalid chair substantially as shown and described.

100,249
DESIGN FOR A LACE
Max Solomon, New York, N. Y.
Application June 9, 1936, Serial No. 63,171
Term of patent 3½ years



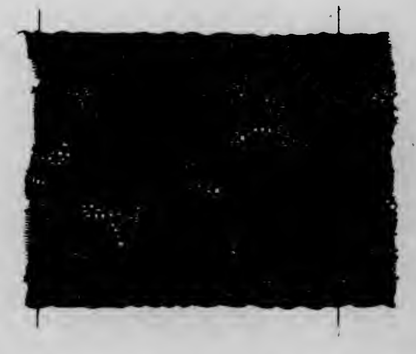
The ornamental design for a lace, substantially as shown and described.

100,250
DESIGN FOR A LACE
Max Solomon, New York, N. Y.
Application June 9, 1936, Serial No. 63,172
Term of patent 3½ years



The ornamental design for a lace, substantially as shown and described.

100,251
DESIGN FOR A LACE
Max Solomon, New York, N. Y.
Application June 6, 1936, Serial No. 63,075
Term of patent 3½ years



The ornamental design for a lace, substantially as shown and described.

ROLL NO AL

OFFICIAL GAZETTE

UNITED STATES PATENT OFFICE

MAY & JUNE
1936

VOLS. 466 & 467

MICRO-PHOTO SERVICE
BUREAU
CLEVELAND 3, OHIO